

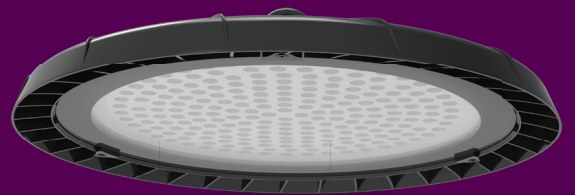


ATC MIDDLE EAST FZCO



 rafeed[®]
LED
E series
2020

OUR BEAUTIFUL WORLD WITH
LIGHTS.



Report No.:

Test Time:

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: LED HIGH BAY
Lamp Catalog: SMD2835
Current: 0.687 A
Power Factor: 0.988

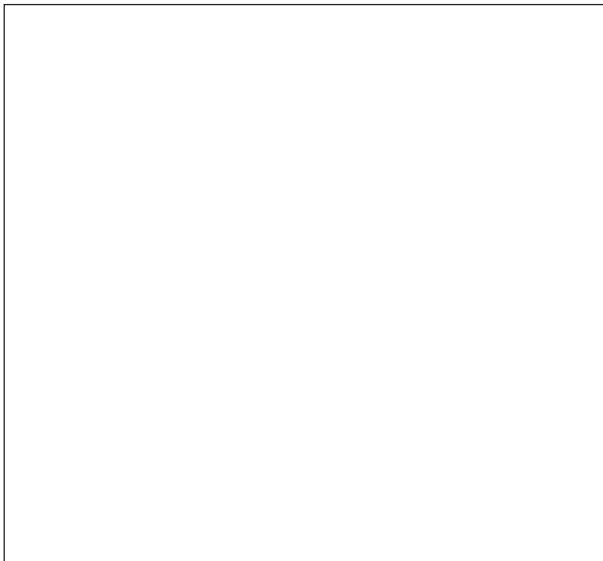
Luminaire Description: REF-0159B
Voltage: 229.3 V
Power: 155.87 W

Photometric Results

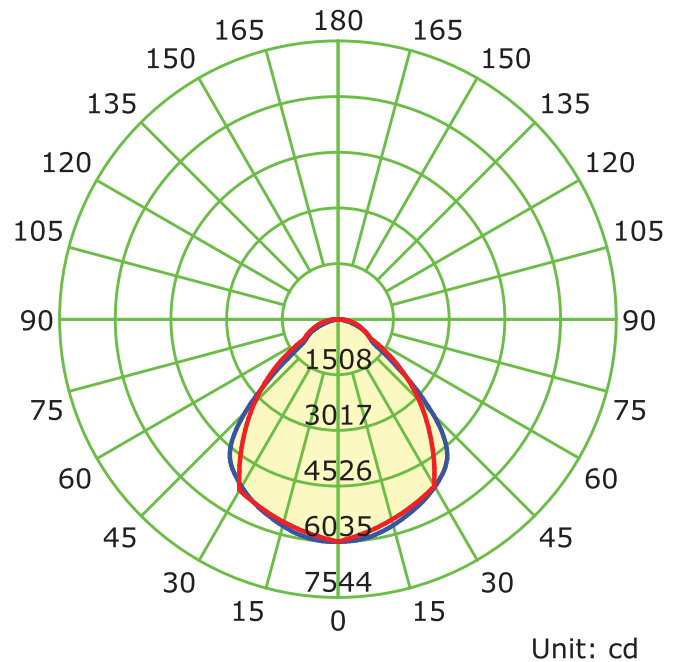
IES Classification: Type II
Total Rated Lamp Lumens: 13231.3 lm
Efficiency: 100%
Upward Ratio: 0%
Central Intensity: 6031.13 cd
Pos of Max. Intensity: H180 V2

Longitudinal Classification: Very Short
Measurement Flux: 13231.3 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 84.94
Max. Intensity: 6035.53 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve

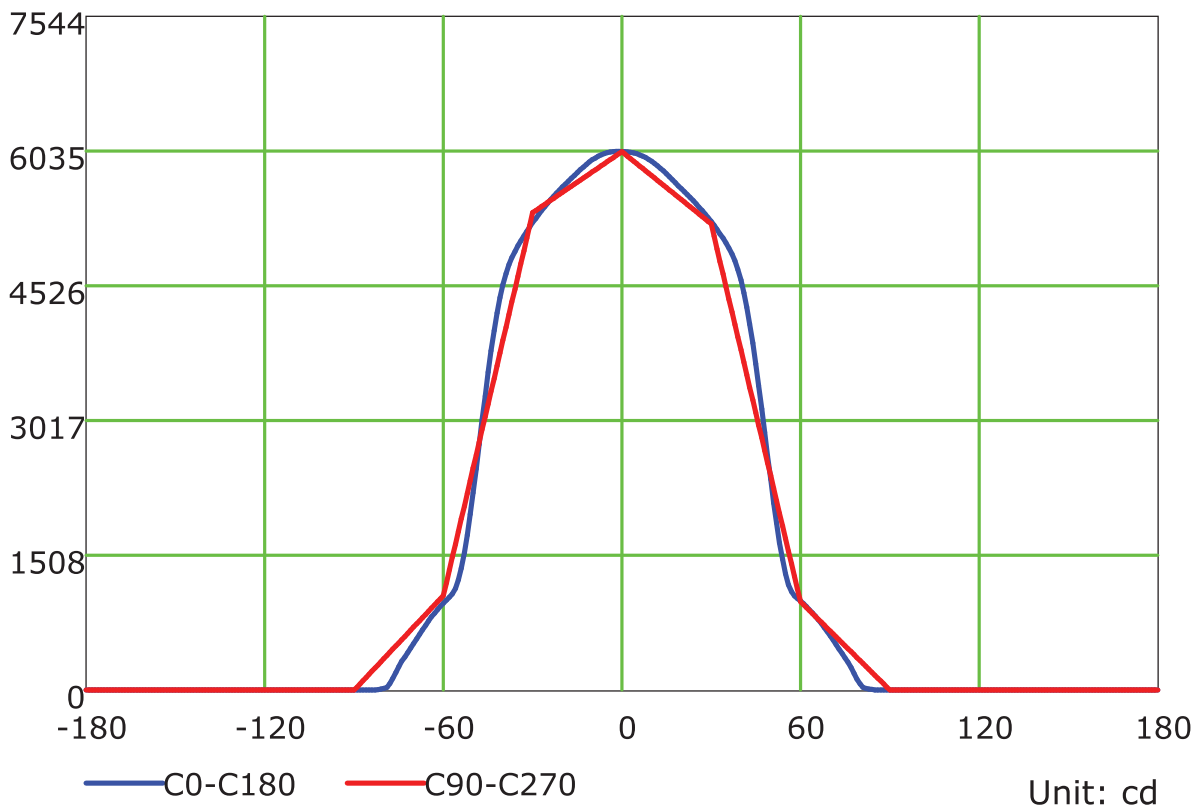
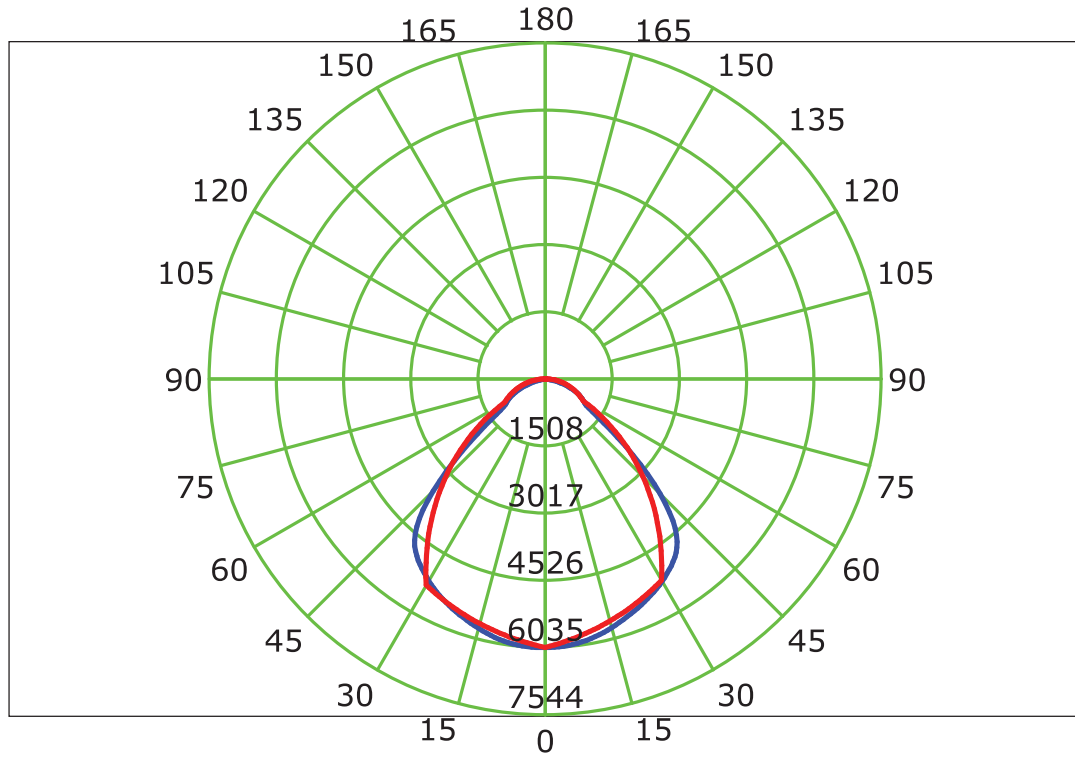


— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 6.869 m
Humidity:
Inspector:

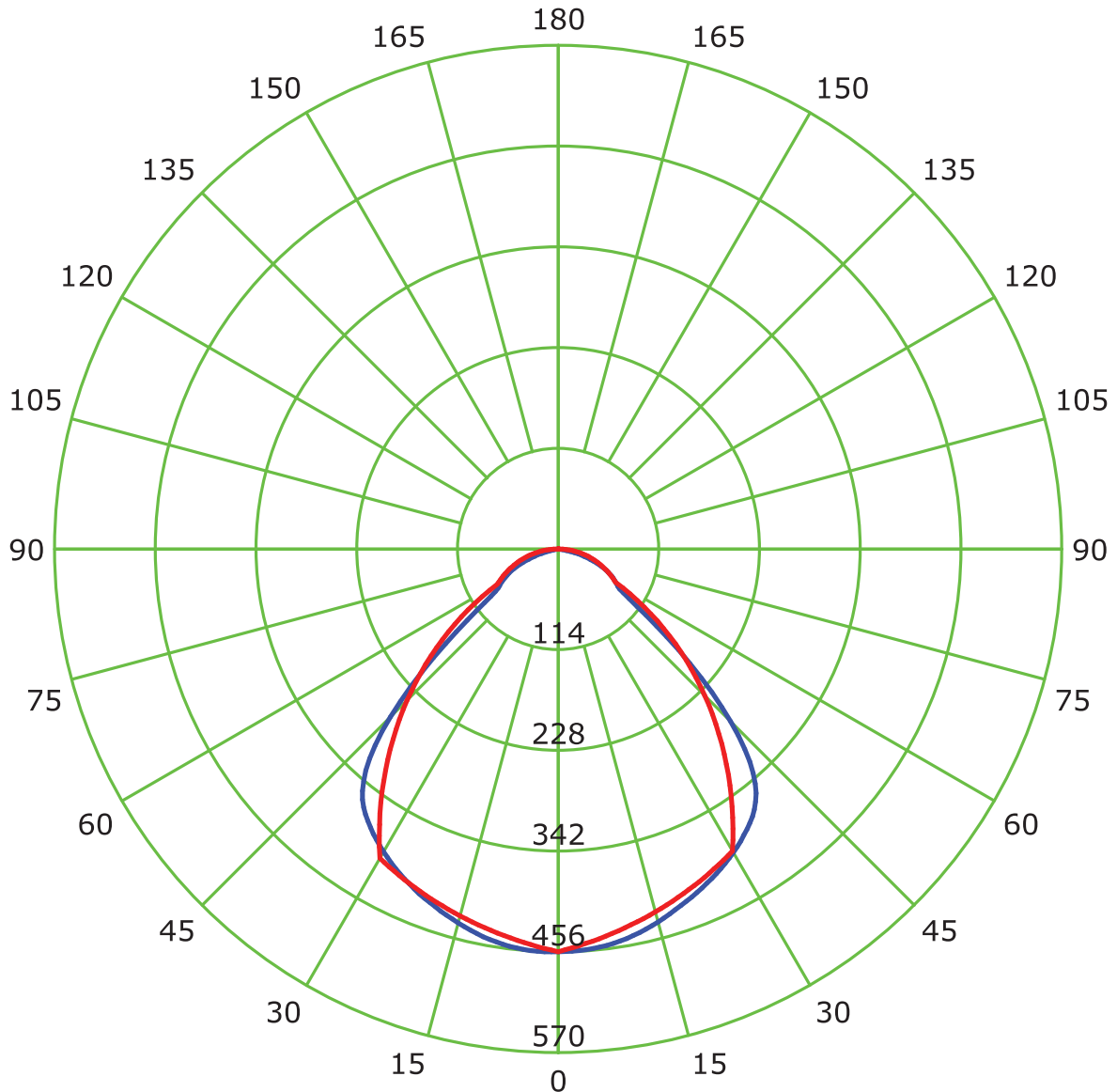
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm
— C0-C180
— C90-C270

$\eta=100\%$
SMD2835

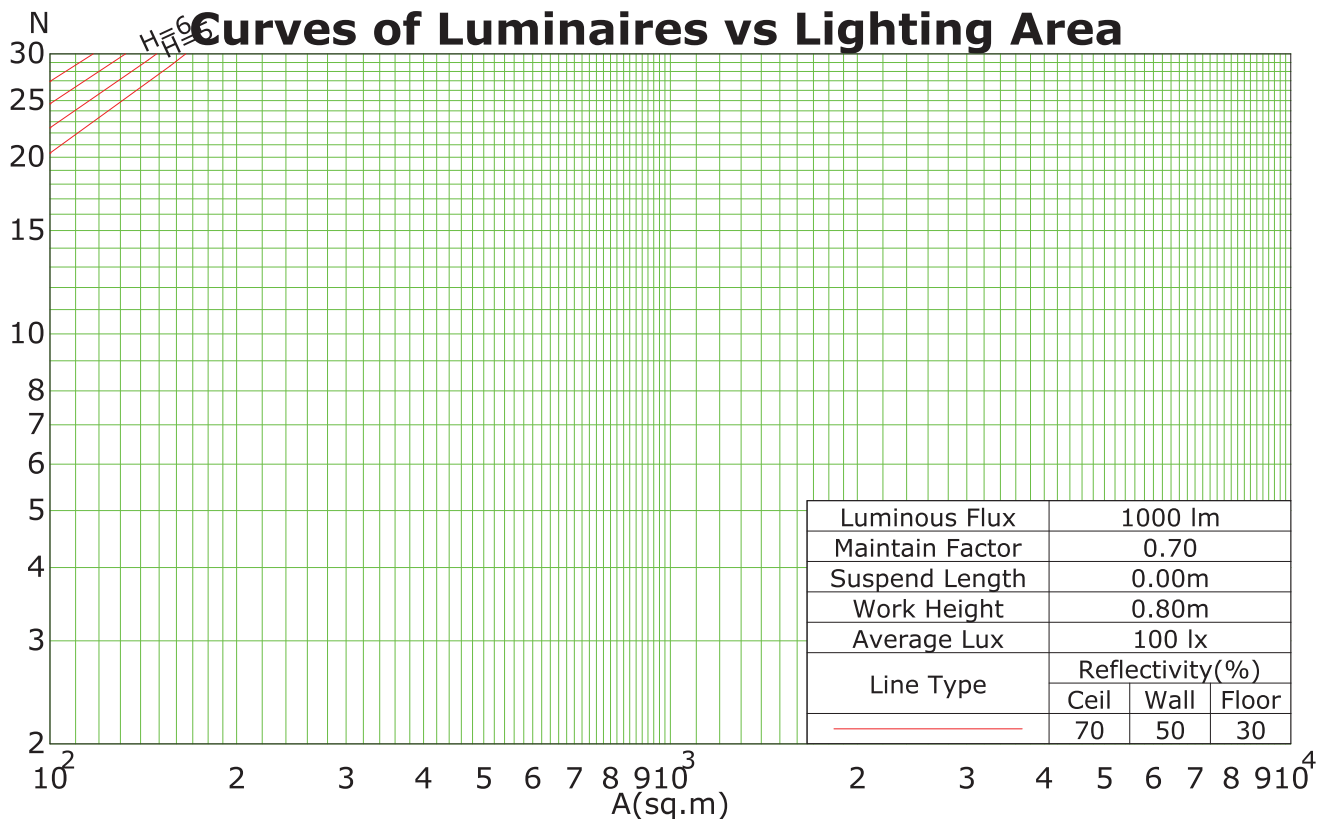
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41
8	65	52	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

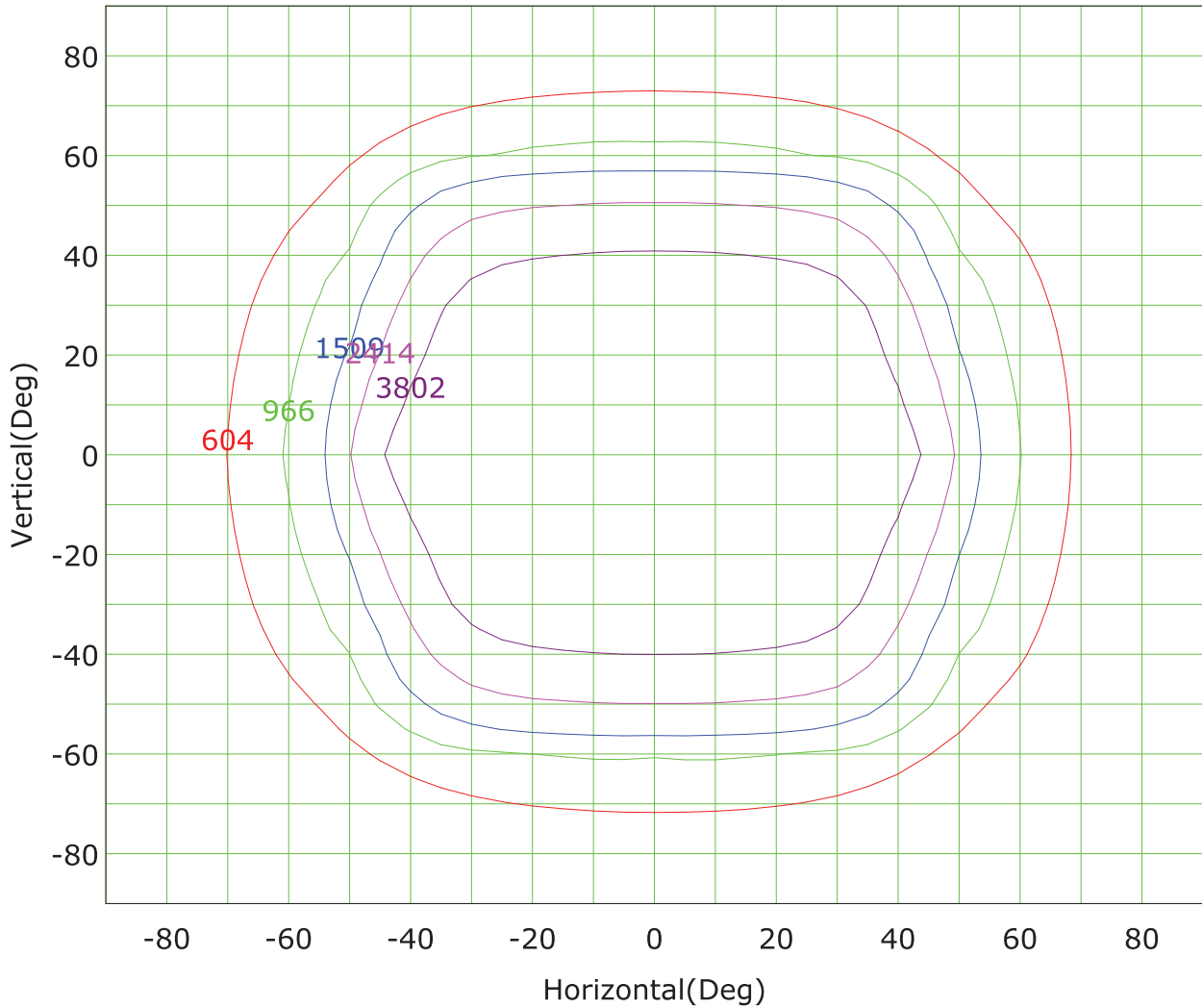
Spacing Criteria (0-180): 1.30
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.35



C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Isocandela (rectangle)



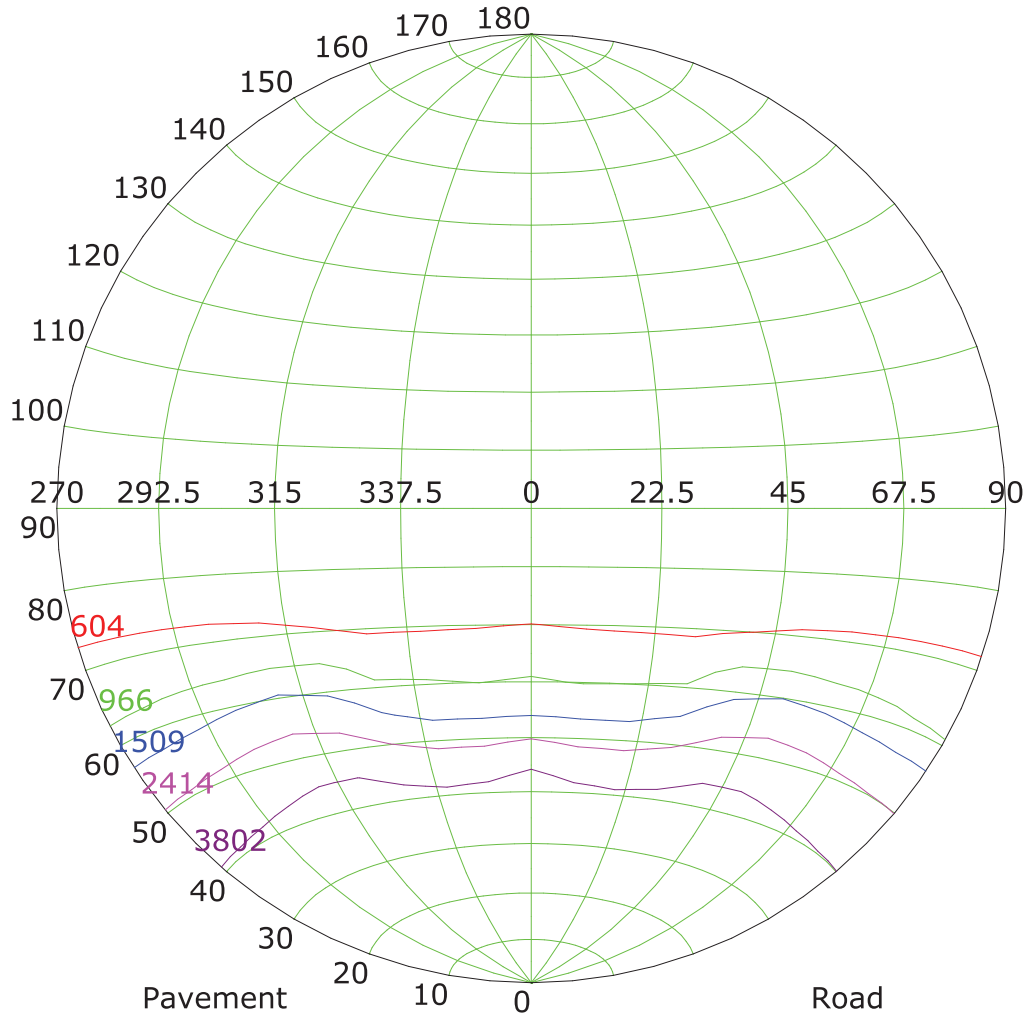
Imax (100%): 6036 cd

- | | |
|-------------------|-------------------|
| — (10%): 604 cd | — (16%): 966 cd |
| — (25%): 1509 cd | — (40%): 2414 cd |
| — (63%): 3802 cd | — (100%): 6036 cd |

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Isocandela (sphere)



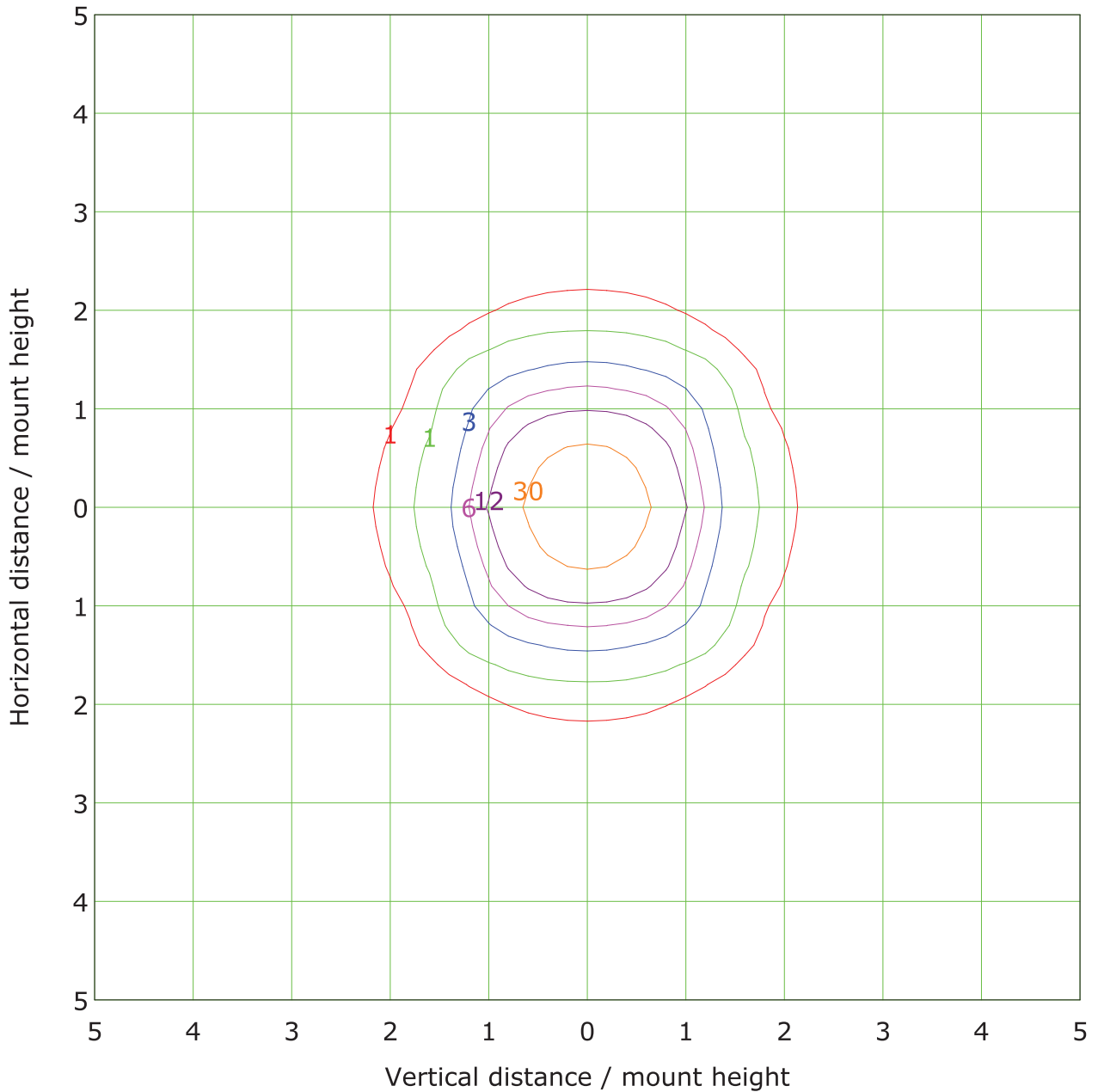
Imax (100%): 6036 cd

— (10%): 604 cd	— (16%): 966 cd
— (25%): 1509 cd	— (40%): 2414 cd
— (63%): 3802 cd	— (100%): 6036 cd

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

IsoLux Plot



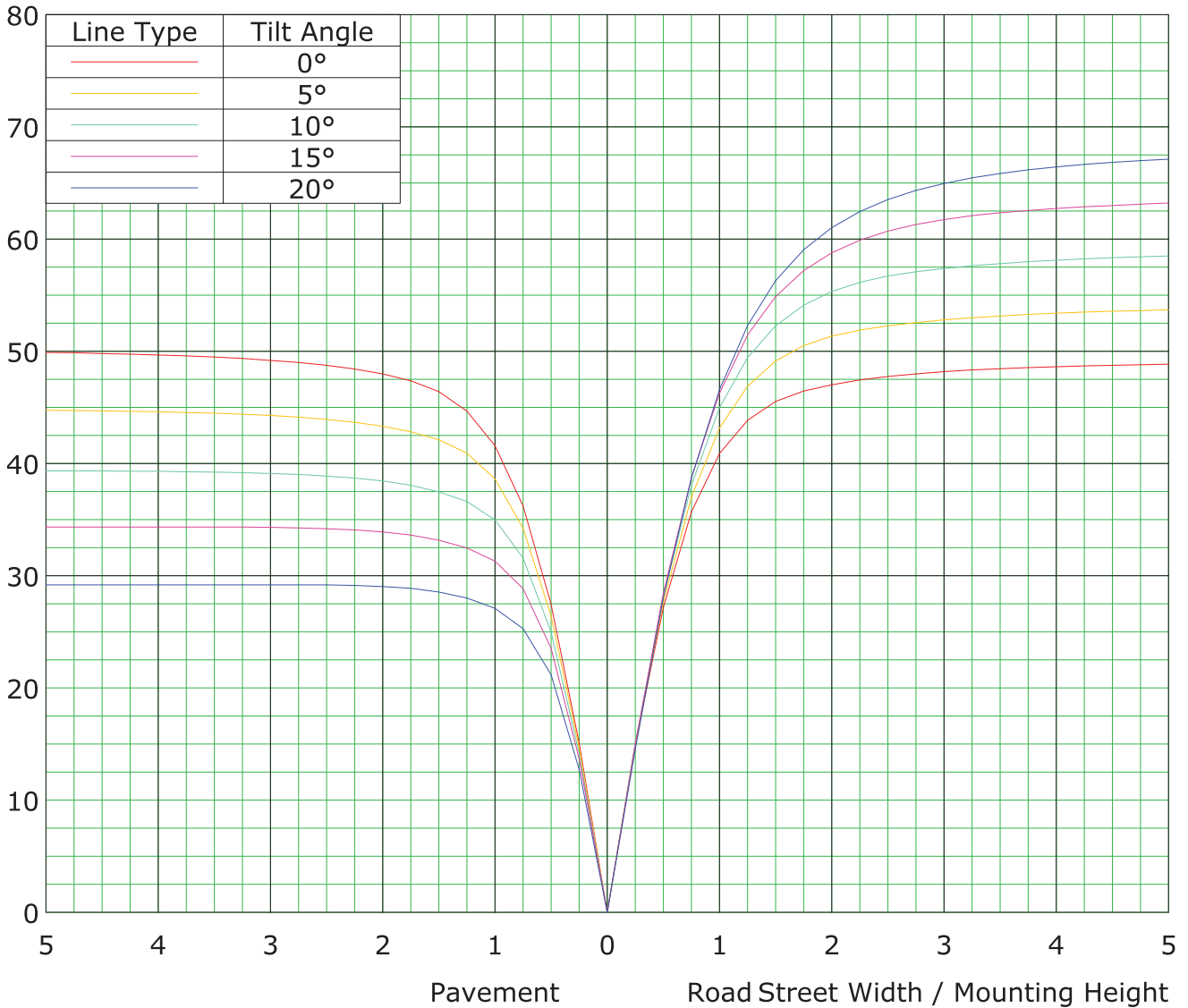
Mounting Height: 10.0m		Max Lux(100%): 60.3 lx	
— (1%):	0.6 lx	— (2%):	1.2 lx
— (5%):	3.0 lx	— (10%):	6.0 lx
— (20%):	12.1 lx	— (50%):	30.2 lx
— (100%):	60.3 lx		

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



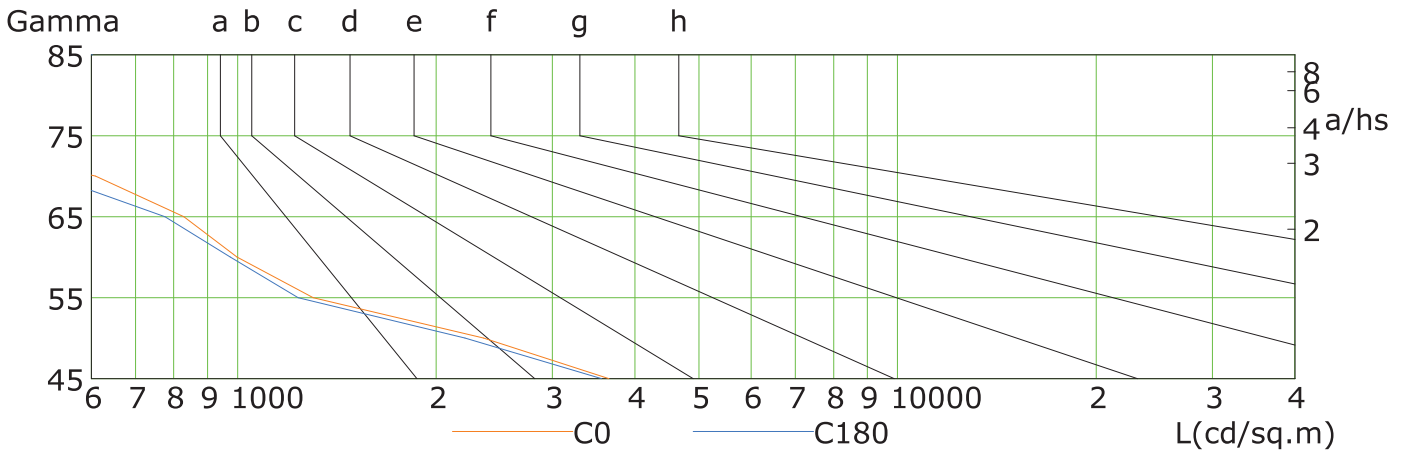
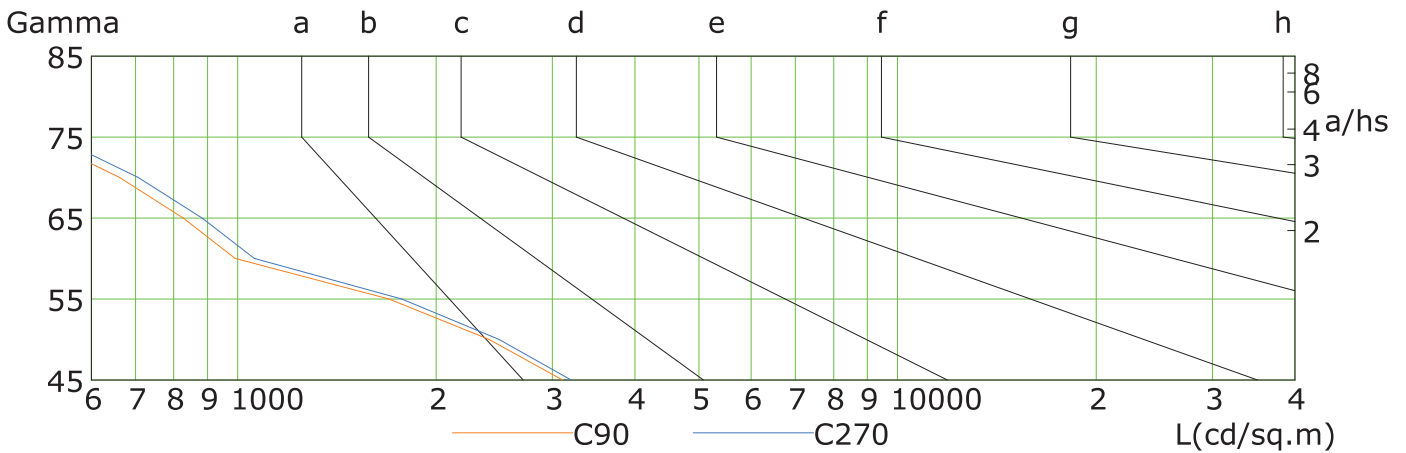
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

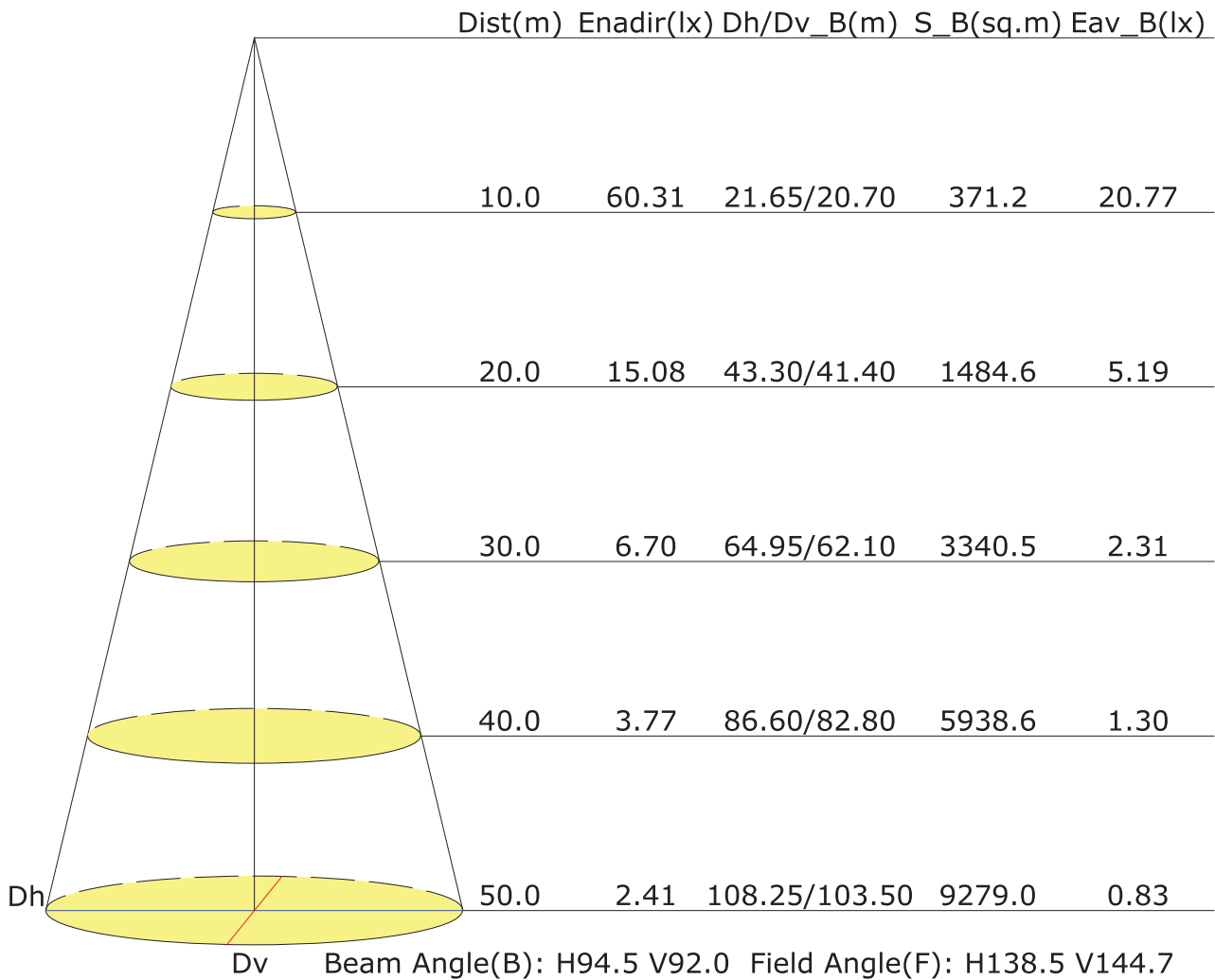


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3655	2358	1302	998	829	609	362	68	3
C90	3108	2402	1697	992	827	662	497	332	168
C180	3561	2210	1235	974	776	523	264	18	0
C270	3204	2489	1775	1060	883	707	530	353	177

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

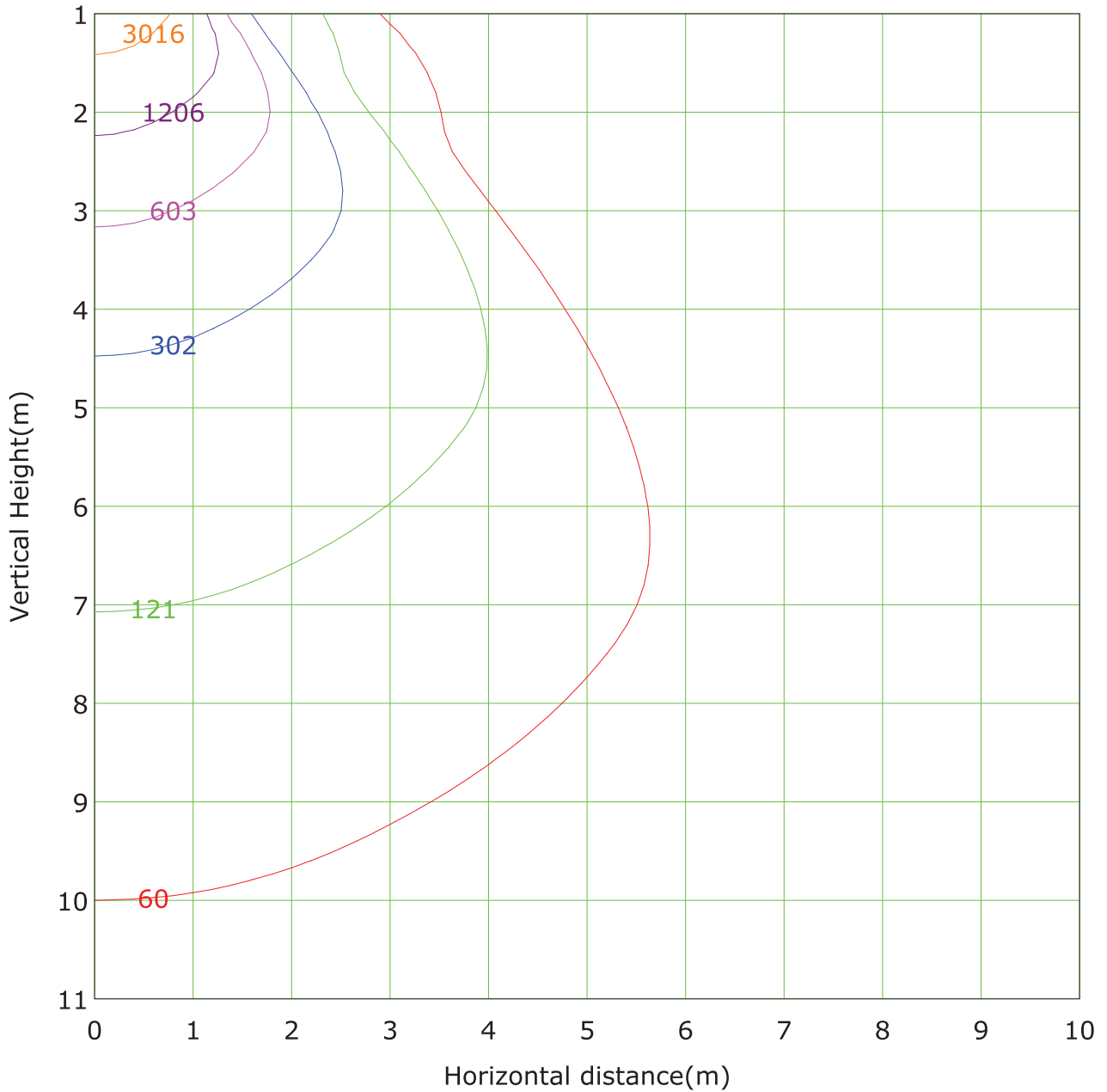
Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 6031.1 lx
 — (1%): 60.3 lx — (2%): 120.6 lx
 — (5%): 301.6 lx — (10%): 603.1 lx
 — (20%):1206.2 lx — (50%):3015.6 lx
 — (100%):6031.1 lx

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

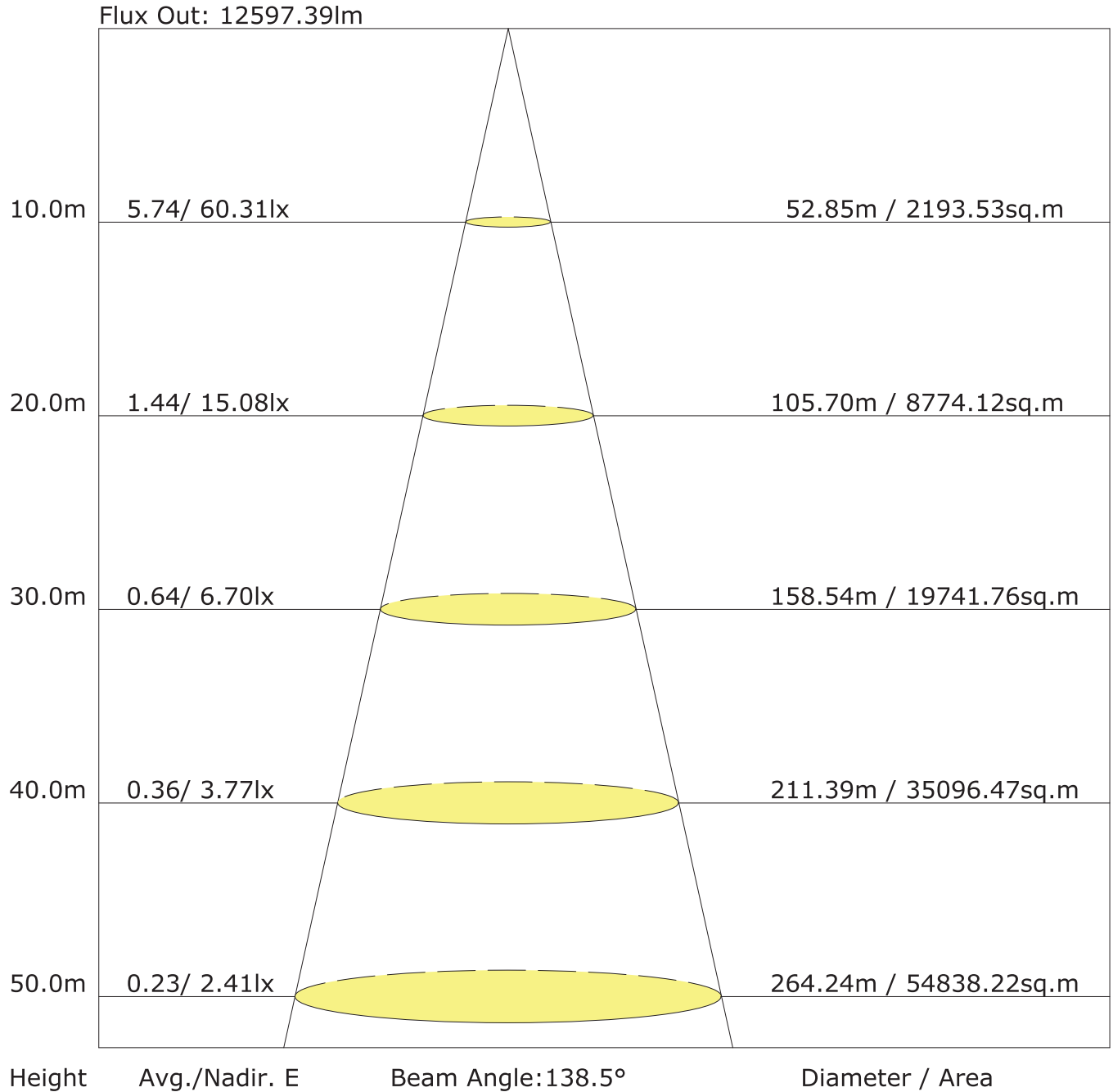
		Vertical plane																			
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Flux(T)	Flux(E)	0.0	0.1	0.4	1.2	2.2	3.4	4.3	5.0	5.3	5.3	5.0	4.4	3.5	2.4	1.3	0.5	0.1	0.0	44.4	0.0
0.0	0.0	0.2	1.3	3.6	6.7	10.0	12.9	14.9	16.0	16.0	15.0	13.1	10.3	7.1	3.9	1.5	0.3	0.0	132.7	22.7	
0.0	0.3	2.2	6.0	11.2	16.8	21.6	24.9	26.6	26.7	25.0	21.8	17.3	11.8	6.5	2.6	0.5	0.0	222.0	180.6		
0.0	0.6	3.6	9.0	18.1	32.1	43.9	50.5	53.7	53.7	50.5	43.9	32.3	18.5	9.6	4.1	0.8	0.0	424.9	401.3		
0.0	1.0	5.4	12.5	27.6	56.7	79.6	91.3	96.9	96.8	91.1	79.3	56.1	27.6	12.8	5.9	1.3	0.0	742.1	727.1		
0.0	1.5	7.2	16.1	37.3	81.7	115.4	132.0	140.0	139.8	131.6	114.8	80.3	36.9	16.2	7.6	1.8	0.0	1060.3	1049.8		
0.0	1.9	8.4	18.6	48.0	99.7	136.3	155.3	164.8	164.6	154.8	135.6	98.4	47.9	18.8	9.0	2.4	0.1	1264.4	1256.0		
0.0	2.1	9.3	21.1	59.2	109.6	142.1	161.4	171.8	171.5	160.9	141.6	109.2	59.9	21.7	9.9	2.7	0.1	1354.2	1347.1		
0.0	2.3	9.9	23.6	70.8	119.0	147.6	167.4	178.3	166.9	147.3	119.4	72.4	24.7	10.5	3.0	0.1	1441.7	1435.2			
0.0	2.2	9.9	23.5	70.4	118.4	147.1	166.8	178.0	177.7	166.3	146.7	118.7	72.1	24.6	10.5	3.0	0.1	1436.1	1429.6		
0.0	2.1	9.2	20.9	58.2	107.7	140.6	159.8	169.9	169.6	159.2	139.8	107.2	58.9	21.4	9.8	2.7	0.1	1337.2	1330.1		
0.0	1.8	8.3	18.3	46.4	96.5	133.8	152.6	161.7	161.5	152.0	132.6	95.2	46.3	18.3	8.8	2.3	0.1	1236.5	1227.9		
0.0	1.4	7.0	15.7	35.6	78.3	112.6	129.1	136.6	136.4	128.5	111.4	76.9	35.2	15.8	7.5	1.8	0.0	1029.9	1018.9		
0.0	0.9	5.3	12.2	26.4	54.4	77.4	88.9	94.0	93.9	88.4	76.6	53.6	26.3	12.5	5.8	1.3	0.0	717.9	702.2		
0.0	0.6	3.5	8.7	17.4	30.8	42.2	48.5	51.4	51.4	48.3	41.9	30.6	17.7	9.3	4.0	0.8	0.0	407.1	382.1		
0.0	0.3	2.1	5.8	10.8	16.1	20.5	23.5	25.0	24.9	23.4	20.4	16.3	11.3	6.4	2.6	0.5	0.0	210.0	163.2		
0.0	0.2	1.3	3.5	6.5	9.6	12.3	14.1	15.0	15.0	14.0	12.2	9.7	6.8	3.8	1.5	0.3	0.0	125.8	11.1		
0.0	0.1	0.4	1.2	2.2	3.2	4.1	4.7	5.0	5.0	4.7	4.1	3.3	2.3	1.3	0.5	0.1	0.0	42.5	0.0		
0.3	19.7	94.8	221.3	555.0	1044.2	1394.4	1590.9	1668.0	1585.6	1387.8	1038.4	561.3	229.0	102.6	25.6	0.6	13230				
0.0	0.0	51.1	183.1	517.4	1009.4	1361.4	1558.1	1658.9	1656.6	1552.8	1354.4	1004.4	524.6	190.1	62.8	0.0	0.0			12685	

Horizontal plane

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

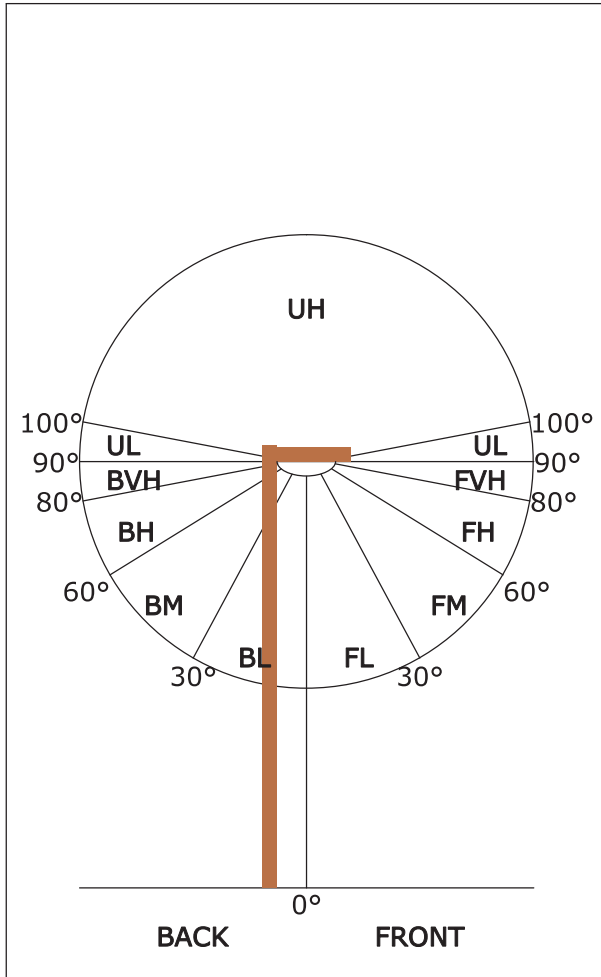
The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



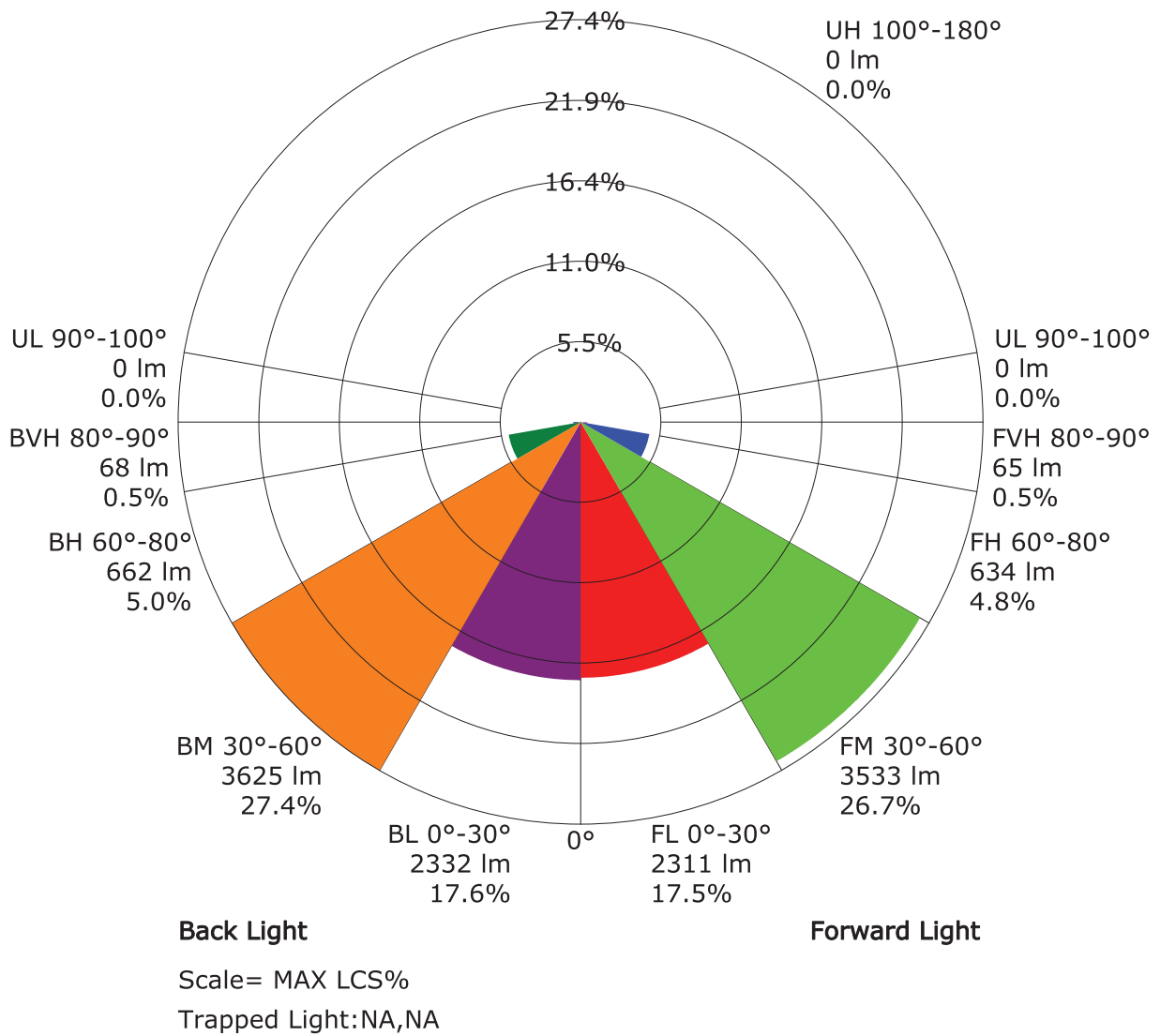
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	6544	49.5
FL (0°-30°)	2311	17.5
FM (30°-60°)	3533	26.7
FH (60°-80°)	634	4.8
FVH (80°-90°)	65	0.5
BACK LIGHT	6687	50.5
BL (0°-30°)	2332	17.6
BM (30°-60°)	3625	27.4
BH (60°-80°)	662	5.0
BVH (80°-90°)	68	0.5
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U1 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U1 G1

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.65	0.75	0.82	0.87	0.93	0.97	1.00	1.04	1.06	
	0.30		0.58	0.69	0.76	0.81	0.88	0.93	0.96	1.00	1.03	
	0.20		0.54	0.64	0.71	0.76	0.84	0.89	0.92	0.97	1.01	
0.50	0.50	0.20	0.64	0.73	0.80	0.84	0.90	0.94	0.96	1.00	1.02	
	0.30		0.58	0.68	0.74	0.79	0.86	0.90	0.93	0.97	1.00	
	0.20		0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.98	
0.30	0.50	0.20	0.62	0.72	0.78	0.82	0.87	0.91	0.93	0.96	0.98	
	0.30		0.57	0.67	0.73	0.77	0.84	0.88	0.90	0.94	0.96	
	0.20		0.53	0.63	0.69	0.74	0.80	0.85	0.88	0.92	0.95	
0.00	0.00	0.00	0.51	0.60	0.67	0.71	0.77	0.81	0.84	0.88	0.90	
<p>Rating:156W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.87	0.70	0.59	0.51	0.40	0.33	0.28	0.22	0.18	
	0.30		0.72	0.60	0.51	0.45	0.36	0.30	0.26	0.21	0.17	
	0.20		0.62	0.52	0.46	0.40	0.33	0.28	0.24	0.19	0.16	
0.50	0.50	0.20	0.84	0.67	0.56	0.48	0.38	0.35	0.27	0.21	0.17	
	0.30		0.71	0.58	0.50	0.43	0.35	0.29	0.25	0.19	0.16	
	0.20		0.61	0.51	0.45	0.39	0.32	0.27	0.24	0.19	0.15	
0.30	0.50	0.20	0.81	0.64	0.54	0.46	0.36	0.30	0.25	0.19	0.16	
	0.30		0.69	0.57	0.48	0.42	0.34	0.28	0.24	0.19	0.15	
	0.20		0.61	0.51	0.44	0.38	0.31	0.26	0.23	0.18	0.15	
0.00	0.00	0.00	0.49	0.40	0.34	0.29	0.23	0.19	0.16	0.13	0.10	
<p>Rating:156W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.16	0.17
0.50	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20
	0.30		0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:156W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	6023.5	5.8	5.8	0.04	0.04
1.0-2.0	6007.8	17.2	23.0	0.13	0.17
2.0-3.0	5991.0	28.7	51.7	0.22	0.39
3.0-4.0	5973.2	40.0	91.7	0.30	0.69
4.0-5.0	5954.3	51.2	142.9	0.39	1.08
5.0-6.0	5934.2	62.4	205.3	0.47	1.55
6.0-7.0	5912.6	73.4	278.7	0.55	2.11
7.0-8.0	5889.8	84.3	363.0	0.64	2.74
8.0-9.0	5865.6	95.1	458.0	0.72	3.46
9.0-10.0	5840.3	105.7	563.7	0.80	4.26
10.0-11.0	5814.0	116.2	679.9	0.88	5.14
11.0-12.0	5786.6	126.5	806.4	0.96	6.09
12.0-13.0	5758.3	136.7	943.1	1.03	7.13
13.0-14.0	5729.1	146.7	1089.8	1.11	8.24
14.0-15.0	5699.1	156.5	1246.3	1.18	9.42
15.0-16.0	5668.5	166.1	1412.4	1.26	10.67
16.0-17.0	5637.4	175.6	1588.0	1.33	12.00
17.0-18.0	5605.7	184.9	1772.8	1.40	13.40
18.0-19.0	5573.8	193.9	1966.8	1.47	14.86
19.0-20.0	5541.6	202.9	2169.6	1.53	16.40
20.0-21.0	5509.4	211.6	2381.2	1.60	18.00
21.0-22.0	5476.8	220.1	2601.3	1.66	19.66
22.0-23.0	5443.9	228.5	2829.8	1.73	21.39
23.0-24.0	5410.4	236.6	3066.3	1.79	23.17
24.0-25.0	5376.4	244.5	3310.8	1.85	25.02
25.0-26.0	5341.6	252.2	3563.0	1.91	26.93
26.0-27.0	5305.9	259.6	3822.6	1.96	28.89
27.0-28.0	5269.2	266.8	4089.4	2.02	30.91
28.0-29.0	5231.2	273.7	4363.2	2.07	32.98
29.0-30.0	5191.7	280.3	4643.5	2.12	35.09
30.0-31.0	5143.0	286.2	4929.8	2.16	37.26
31.0-32.0	5099.9	291.1	5220.8	2.20	39.46
32.0-33.0	5055.6	294.9	5515.8	2.23	41.69
33.0-34.0	4923.3	298.0	5813.8	2.25	43.94
34.0-35.0	4832.0	300.1	6113.9	2.27	46.21
35.0-36.0	4732.9	301.4	6415.3	2.28	48.49

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	4630.1	302.0	6717.3	2.28	50.77
37.0-38.0	4517.2	301.6	7018.8	2.28	53.05
38.0-39.0	4393.4	299.9	7318.8	2.27	55.31
39.0-40.0	4263.3	297.4	7616.1	2.25	57.56
40.0-41.0	4126.5	293.9	7910.0	2.22	59.78
41.0-42.0	3982.6	289.4	8199.4	2.19	61.97
42.0-43.0	3827.6	283.6	8483.0	2.14	64.11
43.0-44.0	3662.6	276.5	8759.5	2.09	66.20
44.0-45.0	3492.1	268.4	9027.9	2.03	68.23
45.0-46.0	3317.1	259.4	9287.3	1.96	70.19
46.0-47.0	3139.1	249.7	9537.0	1.89	72.08
47.0-48.0	2959.5	239.3	9776.3	1.81	73.89
48.0-49.0	2780.2	228.3	10004.6	1.73	75.61
49.0-50.0	2602.5	217.0	10221.6	1.64	77.25
50.0-51.0	2428.8	205.5	10427.2	1.55	78.81
51.0-52.0	2261.3	194.1	10621.2	1.47	80.27
52.0-53.0	2101.4	182.8	10804.0	1.38	81.66
53.0-54.0	1949.7	171.9	10975.9	1.30	82.95
54.0-55.0	1806.8	161.3	11137.2	1.22	84.17
55.0-56.0	1673.1	151.2	11288.4	1.14	85.32
56.0-57.0	1548.8	141.6	11430.1	1.07	86.39
57.0-58.0	1433.4	132.6	11562.6	1.00	87.39
58.0-59.0	1325.0	123.9	11686.5	0.94	88.33
59.0-60.0	1221.2	115.4	11801.9	0.87	89.20
60.0-61.0	1127.1	107.6	11909.5	0.81	90.01
61.0-62.0	1046.8	100.9	12010.4	0.76	90.77
62.0-63.0	976.6	95.0	12105.4	0.72	91.49
63.0-64.0	914.4	89.7	12195.1	0.68	92.17
64.0-65.0	859.3	85.1	12280.2	0.64	92.81
65.0-66.0	807.9	80.6	12360.8	0.61	93.42
66.0-67.0	760.9	76.5	12437.3	0.58	94.00
67.0-68.0	718.8	72.8	12510.1	0.55	94.55
68.0-69.0	677.8	69.2	12579.3	0.52	95.07
69.0-70.0	637.5	65.5	12644.8	0.49	95.57
70.0-71.0	598.5	61.9	12706.6	0.47	96.03
71.0-72.0	560.4	58.3	12764.9	0.44	96.48

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal FluxS [%]	Sum Rel Zonal Flux [%]
72.0-73.0	522.5	54.7	12819.6	0.41	96.89
73.0-74.0	484.6	51.0	12870.5	0.39	97.27
74.0-75.0	447.0	47.2	12917.8	0.36	97.63
75.0-76.0	409.8	43.5	12961.3	0.33	97.96
76.0-77.0	372.9	39.8	13001.0	0.30	98.26
77.0-78.0	336.5	36.0	13037.0	0.27	98.53
78.0-79.0	301.2	32.4	13069.4	0.24	98.78
79.0-80.0	268.5	29.0	13098.4	0.22	99.00
80.0-81.0	238.4	25.8	13124.2	0.19	99.19
81.0-82.0	210.0	22.8	13146.9	0.17	99.36
82.0-83.0	182.9	19.9	13166.8	0.15	99.51
83.0-84.0	156.7	17.1	13183.9	0.13	99.64
84.0-85.0	131.6	14.4	13198.3	0.11	99.75
85.0-86.0	107.3	11.7	13210.0	0.09	99.84
86.0-87.0	83.5	9.1	13219.1	0.07	99.91
87.0-88.0	60.0	6.6	13225.7	0.05	99.96
88.0-89.0	36.6	4.0	13229.7	0.03	99.99
89.0-90.0	13.3	1.5	13231.2	0.01	100.00
90.0-91.0	0.8	0.1	13231.3	0.00	100.00
91.0-92.0	0.0	0.0	13231.3	0.00	100.00
92.0-93.0	0.0	0.0	13231.3	0.00	100.00
93.0-94.0	0.0	0.0	13231.3	0.00	100.00
94.0-95.0	0.0	0.0	13231.3	0.00	100.00
95.0-96.0	0.0	0.0	13231.3	0.00	100.00
96.0-97.0	0.0	0.0	13231.3	0.00	100.00
97.0-98.0	0.0	0.0	13231.3	0.00	100.00
98.0-99.0	0.0	0.0	13231.3	0.00	100.00
99.0-100.0	0.0	0.0	13231.3	0.00	100.00
100.0-101.0	0.0	0.0	13231.3	0.00	100.00
101.0-102.0	0.0	0.0	13231.3	0.00	100.00
102.0-103.0	0.0	0.0	13231.3	0.00	100.00
103.0-104.0	0.0	0.0	13231.3	0.00	100.00
104.0-105.0	0.0	0.0	13231.3	0.00	100.00
105.0-106.0	0.0	0.0	13231.3	0.00	100.00
106.0-107.0	0.0	0.0	13231.3	0.00	100.00
107.0-108.0	0.0	0.0	13231.3	0.00	100.00

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	13231.3	0.00	100.00
109.0-110.0	0.0	0.0	13231.3	0.00	100.00
110.0-111.0	0.0	0.0	13231.3	0.00	100.00
111.0-112.0	0.0	0.0	13231.3	0.00	100.00
112.0-113.0	0.0	0.0	13231.3	0.00	100.00
113.0-114.0	0.0	0.0	13231.3	0.00	100.00
114.0-115.0	0.0	0.0	13231.3	0.00	100.00
115.0-116.0	0.0	0.0	13231.3	0.00	100.00
116.0-117.0	0.0	0.0	13231.3	0.00	100.00
117.0-118.0	0.0	0.0	13231.3	0.00	100.00
118.0-119.0	0.0	0.0	13231.3	0.00	100.00
119.0-120.0	0.0	0.0	13231.3	0.00	100.00
120.0-121.0	0.0	0.0	13231.3	0.00	100.00
121.0-122.0	0.0	0.0	13231.3	0.00	100.00
122.0-123.0	0.0	0.0	13231.3	0.00	100.00
123.0-124.0	0.0	0.0	13231.3	0.00	100.00
124.0-125.0	0.0	0.0	13231.3	0.00	100.00
125.0-126.0	0.0	0.0	13231.3	0.00	100.00
126.0-127.0	0.0	0.0	13231.3	0.00	100.00
127.0-128.0	0.0	0.0	13231.3	0.00	100.00
128.0-129.0	0.0	0.0	13231.3	0.00	100.00
129.0-130.0	0.0	0.0	13231.3	0.00	100.00
130.0-131.0	0.0	0.0	13231.3	0.00	100.00
131.0-132.0	0.0	0.0	13231.3	0.00	100.00
132.0-133.0	0.0	0.0	13231.3	0.00	100.00
133.0-134.0	0.0	0.0	13231.3	0.00	100.00
134.0-135.0	0.0	0.0	13231.3	0.00	100.00
135.0-136.0	0.0	0.0	13231.3	0.00	100.00
136.0-137.0	0.0	0.0	13231.3	0.00	100.00
137.0-138.0	0.0	0.0	13231.3	0.00	100.00
138.0-139.0	0.0	0.0	13231.3	0.00	100.00
139.0-140.0	0.0	0.0	13231.3	0.00	100.00
140.0-141.0	0.0	0.0	13231.3	0.00	100.00
141.0-142.0	0.0	0.0	13231.3	0.00	100.00
142.0-143.0	0.0	0.0	13231.3	0.00	100.00
143.0-144.0	0.0	0.0	13231.3	0.00	100.00

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.0	0.0	13231.3	0.00	100.00
145.0-146.0	0.0	0.0	13231.3	0.00	100.00
146.0-147.0	0.0	0.0	13231.3	0.00	100.00
147.0-148.0	0.0	0.0	13231.3	0.00	100.00
148.0-149.0	0.0	0.0	13231.3	0.00	100.00
149.0-150.0	0.0	0.0	13231.3	0.00	100.00
150.0-151.0	0.0	0.0	13231.3	0.00	100.00
151.0-152.0	0.0	0.0	13231.3	0.00	100.00
152.0-153.0	0.0	0.0	13231.3	0.00	100.00
153.0-154.0	0.0	0.0	13231.3	0.00	100.00
154.0-155.0	0.0	0.0	13231.3	0.00	100.00
155.0-156.0	0.0	0.0	13231.3	0.00	100.00
156.0-157.0	0.0	0.0	13231.3	0.00	100.00
157.0-158.0	0.0	0.0	13231.3	0.00	100.00
158.0-159.0	0.0	0.0	13231.3	0.00	100.00
159.0-160.0	0.0	0.0	13231.3	0.00	100.00
160.0-161.0	0.0	0.0	13231.3	0.00	100.00
161.0-162.0	0.0	0.0	13231.3	0.00	100.00
162.0-163.0	0.0	0.0	13231.3	0.00	100.00
163.0-164.0	0.0	0.0	13231.3	0.00	100.00
164.0-165.0	0.0	0.0	13231.3	0.00	100.00
165.0-166.0	0.0	0.0	13231.3	0.00	100.00
166.0-167.0	0.0	0.0	13231.3	0.00	100.00
167.0-168.0	0.0	0.0	13231.3	0.00	100.00
168.0-169.0	0.0	0.0	13231.3	0.00	100.00
169.0-170.0	0.0	0.0	13231.3	0.00	100.00
170.0-171.0	0.0	0.0	13231.3	0.00	100.00
171.0-172.0	0.0	0.0	13231.3	0.00	100.00
172.0-173.0	0.0	0.0	13231.3	0.00	100.00
173.0-174.0	0.0	0.0	13231.3	0.00	100.00
174.0-175.0	0.0	0.0	13231.3	0.00	100.00
175.0-176.0	0.0	0.0	13231.3	0.00	100.00
176.0-177.0	0.0	0.0	13231.3	0.00	100.00
177.0-178.0	0.0	0.0	13231.3	0.00	100.00
178.0-179.0	0.0	0.0	13231.3	0.00	100.00
179.0-180.0	0.0	0.0	13231.3	0.00	100.00

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G0.0	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1
G1.0	6029.6	6024.9	6020.5	6016.3	6012.7	6009.5	6007.1	6005.3	6004.4	6004.2
G2.0	6025.7	6016.5	6007.7	5999.8	5992.9	5987.2	5983.0	5979.5	5977.6	5977.3
G3.0	6022.3	6008.4	5995.3	5983.3	5972.7	5964.0	5957.6	5953.6	5950.8	5950.4
G4.0	6016.6	5998.1	5981.0	5965.7	5952.7	5941.2	5932.2	5926.9	5924.0	5923.5
G5.0	6008.6	5985.8	5964.8	5946.4	5930.7	5917.9	5907.3	5900.1	5897.2	5896.5
G6.0	5995.9	5969.1	5945.3	5925.2	5907.6	5893.2	5882.4	5873.4	5870.4	5869.6
G7.0	5981.3	5950.4	5923.5	5901.2	5882.8	5867.7	5855.9	5847.0	5843.1	5842.7
G8.0	5963.9	5929.2	5899.6	5875.6	5856.3	5841.5	5829.4	5820.7	5815.8	5815.8
G9.0	5944.4	5905.8	5873.6	5848.1	5828.5	5813.6	5802.1	5794.2	5788.5	5788.9
G10.0	5923.1	5880.9	5846.1	5819.1	5799.3	5784.9	5774.8	5766.6	5761.2	5761.9
G11.0	5898.4	5853.0	5816.9	5789.0	5768.9	5755.7	5746.1	5738.9	5733.8	5735.0
G12.0	5872.8	5824.0	5785.7	5757.5	5737.6	5725.2	5717.6	5711.1	5706.6	5708.1
G13.0	5845.4	5793.5	5753.5	5724.6	5705.9	5694.1	5688.0	5683.2	5679.6	5681.2
G14.0	5814.0	5759.9	5719.9	5691.0	5672.6	5662.3	5658.3	5655.2	5652.6	5654.3
G15.0	5783.0	5725.8	5683.6	5656.5	5638.8	5630.3	5628.0	5627.0	5625.6	5627.3
G16.0	5751.0	5691.0	5647.7	5619.6	5604.6	5598.0	5597.6	5598.5	5598.7	5600.4
G17.0	5716.3	5654.2	5610.8	5582.8	5569.9	5565.0	5566.3	5570.0	5571.7	5573.5
G18.0	5682.0	5616.9	5571.9	5545.5	5533.3	5531.5	5534.9	5541.5	5544.4	5546.6
G19.0	5648.3	5580.0	5533.1	5507.2	5496.9	5497.9	5503.5	5512.3	5516.6	5519.7
G20.0	5616.1	5544.0	5494.5	5468.0	5460.4	5464.0	5472.4	5483.1	5488.8	5492.8
G21.0	5582.7	5507.4	5456.4	5429.0	5423.5	5429.6	5440.8	5453.9	5461.0	5465.8
G22.0	5551.6	5471.1	5417.3	5389.8	5385.3	5394.6	5409.3	5424.4	5433.1	5438.9
G23.0	5517.0	5433.1	5378.0	5350.9	5347.2	5359.8	5377.5	5395.1	5405.2	5412.0
G24.0	5481.0	5392.2	5337.0	5310.6	5309.3	5325.1	5345.5	5365.9	5377.3	5385.1
G25.0	5446.2	5350.4	5292.8	5269.7	5270.9	5289.9	5313.5	5335.7	5349.5	5358.2
G26.0	5408.3	5305.8	5246.4	5227.3	5232.4	5254.3	5281.8	5305.6	5321.7	5331.2
G27.0	5371.4	5259.0	5197.2	5181.9	5192.9	5218.5	5250.0	5275.7	5293.9	5304.3
G28.0	5331.3	5208.8	5143.6	5133.5	5152.3	5182.9	5217.7	5246.0	5266.1	5277.4
G29.0	5291.3	5154.8	5087.2	5082.1	5110.9	5147.2	5185.7	5216.6	5238.3	5250.5
G30.0	5249.5	5097.1	5023.9	5025.7	5066.9	5111.0	5153.6	5187.3	5210.5	5223.6
G31.0	5206.3	5035.0	4955.5	4965.7	5020.7	5074.6	5121.9	5158.0	5113.2	5082.5
G32.0	5159.5	4967.9	4880.3	4900.6	4971.9	5038.0	5089.8	5081.2	4973.0	4941.4
G33.0	5110.6	4894.5	4798.8	4828.2	4919.1	4999.7	5057.8	4942.2	4832.7	4800.4
G34.0	5063.4	4816.3	4709.9	4749.6	4862.5	4961.0	4992.9	4803.1	4692.4	4659.3
G35.0	5009.7	4733.0	4611.9	4662.4	4802.0	4920.9	4854.9	4663.3	4552.1	4518.2
G36.0	4952.6	4641.7	4506.2	4568.0	4737.3	4879.7	4716.9	4523.5	4411.7	4377.2

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G37.0	4884.7	4541.2	4392.7	4466.1	4665.8	4836.5	4578.6	4383.7	4271.4	4236.1
G38.0	4806.3	4428.4	4269.5	4355.3	4588.6	4694.7	4440.4	4243.9	4130.5	4095.0
G39.0	4710.5	4302.4	4135.3	4233.5	4504.2	4551.5	4301.4	4104.1	3989.7	3954.0
G40.0	4591.9	4161.3	3989.5	4102.2	4412.3	4406.1	4162.3	3964.3	3848.8	3812.9
G41.0	4451.0	4000.7	3829.6	3962.6	4314.4	4260.4	4023.0	3824.5	3707.9	3671.9
G42.0	4288.1	3825.6	3662.7	3812.6	4204.0	4111.7	3883.2	3684.3	3567.1	3530.8
G43.0	4097.8	3633.4	3476.9	3652.0	4025.2	3963.7	3743.5	3544.1	3426.2	3389.7
G44.0	3886.5	3425.8	3286.1	3482.6	3846.4	3814.2	3603.1	3403.9	3285.4	3248.7
G45.0	3655.0	3205.8	3085.3	3297.3	3664.1	3665.5	3462.7	3263.7	3144.5	3107.6
G46.0	3411.5	2979.2	2878.2	3109.9	3482.3	3513.6	3322.2	3123.3	3003.7	2966.5
G47.0	3147.6	2747.9	2666.9	2915.1	3303.2	3363.0	3181.1	2982.9	2862.9	2825.5
G48.0	2888.1	2514.5	2454.9	2710.3	3126.2	3210.8	3040.2	2842.5	2722.0	2684.4
G49.0	2616.6	2290.2	2247.9	2510.4	2951.2	3060.5	2899.0	2702.2	2581.2	2543.3
G50.0	2358.4	2071.4	2043.8	2314.3	2778.9	2908.9	2757.5	2561.5	2440.4	2402.3
G51.0	2095.6	1872.7	1853.3	2128.9	2610.1	2759.8	2616.3	2420.8	2299.5	2261.2
G52.0	1873.9	1685.3	1675.7	1955.6	2446.0	2610.9	2474.8	2280.2	2158.7	2120.2
G53.0	1652.2	1531.8	1516.0	1791.2	2284.0	2464.6	2333.5	2139.5	2017.9	1979.1
G54.0	1463.8	1390.4	1377.7	1642.1	2130.4	2319.3	2192.5	1998.8	1877.0	1838.0
G55.0	1302.0	1269.8	1261.5	1504.6	1984.8	2176.3	2051.2	1858.0	1736.1	1697.0
G56.0	1181.3	1167.6	1168.2	1376.3	1842.8	2035.1	1909.9	1717.2	1595.1	1555.9
G57.0	1100.4	1086.5	1099.4	1265.4	1707.2	1896.0	1769.0	1576.4	1454.2	1414.8
G58.0	1056.2	1026.0	1047.2	1164.8	1581.9	1760.2	1628.5	1435.6	1313.3	1273.8
G59.0	1025.2	982.9	1005.9	1073.6	1463.5	1626.3	1488.2	1294.8	1172.5	1132.7
G60.0	997.6	949.3	970.1	997.5	1351.2	1496.0	1348.6	1153.9	1031.6	991.6
G61.0	968.1	918.2	933.1	930.1	1246.2	1369.0	1209.5	1012.9	957.8	958.7
G62.0	936.4	886.4	895.1	871.8	1149.4	1245.5	1070.8	923.7	924.8	925.7
G63.0	902.6	852.6	855.8	822.6	1059.0	1125.6	932.6	890.4	891.8	892.8
G64.0	866.7	816.9	815.3	777.7	975.1	1008.3	853.7	857.2	858.9	859.8
G65.0	829.1	779.8	773.8	738.4	897.4	894.6	820.1	824.1	825.9	826.8
G66.0	789.3	741.2	731.6	700.8	826.6	784.4	786.8	791.0	792.9	793.9
G67.0	747.1	701.1	688.9	664.3	761.1	739.7	753.5	758.0	759.9	760.9
G68.0	702.2	660.4	645.3	628.0	701.0	705.8	720.3	725.0	726.9	728.0
G69.0	658.0	617.2	601.3	591.6	646.0	672.1	687.2	692.0	693.9	695.0
G70.0	609.3	574.8	557.1	554.5	601.1	638.6	654.2	659.1	661.0	662.1
G71.0	561.2	530.9	513.1	517.2	567.4	605.2	621.0	626.1	628.0	629.1
G72.0	511.1	487.0	469.3	480.5	534.2	572.1	587.8	593.2	595.0	596.1
G73.0	459.6	443.2	425.8	443.7	501.5	539.2	554.8	560.2	562.1	563.2

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G74.0	411.1	393.4	382.1	407.2	469.4	506.3	521.9	527.2	529.1	530.2
G75.0	361.9	345.2	339.4	376.9	437.7	473.6	489.0	494.3	496.1	497.3
G76.0	314.1	295.2	298.2	347.4	406.5	441.1	456.2	461.4	463.2	464.3
G77.0	253.5	245.1	257.6	318.5	375.7	408.9	423.4	428.5	430.2	431.3
G78.0	187.5	197.7	217.6	290.4	345.3	376.8	390.7	395.6	397.3	398.4
G79.0	124.1	154.7	181.7	263.0	315.3	345.1	358.1	362.8	364.4	365.4
G80.0	68.4	117.5	160.1	236.3	285.7	313.5	325.6	330.0	331.4	332.5
G81.0	31.8	85.9	139.7	210.5	256.4	282.1	293.1	297.2	298.5	299.5
G82.0	20.8	59.2	120.4	185.4	227.5	250.9	260.7	264.4	265.5	266.5
G83.0	13.2	37.6	102.4	161.3	198.8	219.7	228.4	231.7	232.6	233.6
G84.0	8.0	20.9	86.0	137.8	170.4	188.7	196.1	199.0	199.7	200.6
G85.0	3.4	13.7	70.7	114.6	142.2	157.7	163.8	166.2	166.8	167.7
G86.0	0.5	10.1	56.3	91.9	114.2	126.9	131.5	133.5	133.8	134.7
G87.0	0.3	7.5	42.5	69.5	86.4	96.0	99.3	100.8	100.9	101.8
G88.0	1.5	5.7	29.1	47.3	58.7	65.3	67.1	68.1	68.0	68.8
G89.0	0.5	4.6	16.2	25.3	31.0	34.5	34.9	35.4	35.1	35.8
G90.0	1.5	0.5	0.7	1.0	1.4	1.2	0.3	0.7	0.2	0.2
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G0.0	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1
G1.0	6005.2	6007.0	6009.5	6012.7	6016.4	6020.7	6025.2	6029.9	6034.7	6030.6
G2.0	5979.2	5982.7	5987.7	5993.3	6000.2	6008.1	6016.8	6026.1	6035.5	6027.5
G3.0	5953.1	5958.2	5964.5	5973.0	5982.0	5992.6	6004.7	6017.9	6031.8	6020.0
G4.0	5927.0	5932.9	5941.3	5950.3	5961.9	5975.9	5991.9	6009.6	6028.3	6012.5
G5.0	5900.8	5907.6	5916.2	5927.2	5941.5	5957.4	5975.5	5996.3	6019.1	5999.9
G6.0	5874.4	5882.1	5891.0	5903.9	5918.2	5936.1	5957.7	5982.4	6009.6	5986.6
G7.0	5847.8	5855.5	5865.5	5878.3	5894.1	5914.6	5937.4	5964.8	5995.9	5969.8
G8.0	5821.1	5829.0	5839.9	5852.0	5869.5	5889.7	5914.2	5944.2	5979.1	5949.8
G9.0	5794.4	5802.4	5812.3	5825.9	5842.3	5862.8	5888.6	5920.6	5959.0	5926.8
G10.0	5767.7	5775.4	5784.8	5798.0	5813.6	5834.1	5861.6	5896.8	5939.0	5903.5
G11.0	5741.0	5748.4	5757.3	5769.3	5783.9	5804.9	5833.4	5869.5	5914.6	5877.0
G12.0	5714.0	5721.0	5729.9	5739.3	5753.4	5774.4	5802.2	5839.5	5887.5	5847.6
G13.0	5686.9	5692.9	5700.7	5709.0	5722.8	5741.6	5769.3	5808.3	5859.3	5816.8
G14.0	5659.7	5664.9	5671.4	5678.2	5690.0	5707.5	5735.6	5776.2	5830.1	5785.2
G15.0	5632.6	5636.9	5641.5	5647.1	5656.2	5672.8	5701.1	5741.8	5798.0	5751.5
G16.0	5605.5	5609.0	5611.6	5615.6	5621.9	5637.5	5664.3	5707.1	5766.3	5717.4
G17.0	5578.4	5581.2	5581.3	5582.9	5587.3	5600.7	5627.9	5671.5	5733.1	5682.2
G18.0	5551.2	5553.2	5551.2	5549.7	5552.1	5563.5	5590.4	5636.8	5702.1	5648.2
G19.0	5523.6	5524.1	5520.7	5516.4	5516.1	5526.1	5554.1	5600.6	5667.9	5612.5
G20.0	5496.0	5495.1	5490.3	5482.7	5479.5	5488.5	5515.9	5564.7	5635.9	5577.1
G21.0	5468.4	5466.2	5459.3	5449.1	5443.1	5451.3	5477.9	5527.7	5601.4	5540.7
G22.0	5440.7	5437.0	5428.1	5415.3	5406.1	5412.3	5438.9	5489.8	5567.1	5503.5
G23.0	5413.0	5408.0	5396.7	5380.6	5369.4	5373.6	5398.9	5450.0	5530.2	5464.4
G24.0	5385.3	5379.2	5365.3	5346.0	5332.5	5333.8	5357.1	5408.4	5492.3	5423.4
G25.0	5357.5	5350.3	5333.9	5311.4	5294.5	5293.0	5313.2	5365.7	5454.5	5381.5
G26.0	5329.8	5321.7	5302.6	5276.6	5256.3	5250.7	5267.7	5320.5	5414.6	5337.7
G27.0	5302.1	5293.2	5271.4	5241.8	5217.6	5206.3	5219.5	5271.3	5370.9	5289.7
G28.0	5274.5	5264.3	5239.9	5206.9	5178.2	5160.4	5166.9	5219.7	5329.0	5239.3
G29.0	5246.9	5235.4	5208.7	5171.9	5137.4	5111.6	5110.0	5164.0	5282.7	5185.6
G30.0	5219.3	5206.7	5176.9	5136.3	5094.9	5058.2	5049.4	5103.8	5237.3	5127.8
G31.0	5122.0	5177.8	5145.5	5100.3	5051.0	5000.7	4980.2	5039.0	5188.0	5065.6
G32.0	4981.7	5101.0	5113.9	5063.9	5005.9	4938.7	4906.0	4968.4	5137.9	4998.6
G33.0	4841.4	4961.6	5082.4	5027.1	4957.3	4870.7	4822.5	4893.6	5087.1	4927.0
G34.0	4701.0	4822.2	5017.9	4990.2	4905.2	4794.3	4732.1	4813.2	5031.9	4849.1
G35.0	4560.5	4682.3	4879.8	4951.6	4849.4	4710.3	4634.4	4725.7	4975.0	4764.3
G36.0	4420.1	4542.5	4741.5	4912.3	4789.5	4616.6	4528.6	4631.2	4913.5	4672.5

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G37.0	4279.6	4402.6	4602.5	4871.7	4724.0	4514.3	4412.8	4528.7	4844.9	4571.7
G38.0	4138.6	4262.6	4463.6	4731.8	4653.1	4404.1	4287.0	4415.2	4764.1	4458.7
G39.0	3997.6	4122.4	4324.2	4590.9	4573.6	4285.1	4152.2	4287.6	4663.0	4330.1
G40.0	3856.6	3982.3	4184.7	4447.8	4486.9	4156.4	4005.1	4141.3	4540.3	4184.5
G41.0	3715.6	3842.1	4044.8	4304.3	4393.4	4014.3	3848.4	3979.2	4395.5	4020.6
G42.0	3574.6	3701.5	3904.3	4157.4	4284.3	3863.4	3672.8	3797.4	4222.6	3837.9
G43.0	3433.6	3560.7	3763.9	4010.7	4101.6	3703.8	3491.1	3598.7	4027.0	3636.3
G44.0	3292.7	3419.9	3623.4	3862.3	3919.2	3531.5	3293.3	3383.9	3800.4	3420.1
G45.0	3151.7	3279.1	3482.9	3714.6	3735.1	3352.9	3088.1	3156.1	3560.7	3188.7
G46.0	3010.6	3138.1	3342.2	3563.4	3552.0	3161.1	2875.3	2921.5	3292.4	2951.4
G47.0	2869.6	2997.0	3200.7	3413.3	3371.0	2963.8	2659.5	2678.1	3027.6	2704.7
G48.0	2728.6	2856.0	3059.3	3260.1	3186.1	2766.4	2445.4	2442.4	2749.7	2468.3
G49.0	2587.5	2714.9	2917.7	3108.8	3005.9	2555.9	2233.3	2211.4	2479.6	2233.7
G50.0	2446.4	2573.7	2775.8	2955.9	2830.7	2353.9	2028.5	1996.4	2210.0	2014.3
G51.0	2305.4	2432.4	2634.1	2805.3	2655.9	2161.5	1835.4	1794.1	1969.1	1808.8
G52.0	2164.3	2291.2	2492.3	2652.9	2487.1	1977.1	1661.6	1619.7	1734.9	1632.5
G53.0	2023.2	2150.0	2350.4	2503.1	2324.6	1813.1	1507.7	1462.8	1538.4	1474.0
G54.0	1882.1	2008.7	2208.7	2354.2	2165.9	1658.5	1374.1	1333.0	1364.7	1343.9
G55.0	1741.1	1867.5	2066.7	2207.7	2011.7	1515.2	1262.8	1221.7	1235.3	1232.3
G56.0	1600.0	1726.2	1924.6	2063.2	1867.7	1387.0	1174.4	1133.1	1137.8	1143.6
G57.0	1459.0	1584.9	1782.8	1921.0	1731.6	1270.7	1107.9	1063.9	1078.3	1074.3
G58.0	1317.9	1443.6	1641.1	1781.9	1598.8	1166.8	1059.0	1012.7	1040.4	1023.1
G59.0	1176.8	1302.2	1499.4	1645.3	1473.7	1076.5	1019.5	973.7	1009.3	984.0
G60.0	1035.6	1160.7	1358.2	1512.1	1357.8	999.5	980.2	939.4	974.4	949.6
G61.0	961.7	1019.1	1217.4	1381.2	1248.9	930.6	937.6	904.8	940.7	914.8
G62.0	928.7	929.6	1076.8	1253.2	1146.8	870.0	894.9	867.9	902.6	877.8
G63.0	895.6	896.2	936.6	1128.9	1051.9	817.3	851.1	829.0	863.6	839.3
G64.0	862.6	862.8	856.7	1008.0	965.7	768.7	806.5	788.3	821.6	799.4
G65.0	829.4	829.5	823.0	890.5	885.5	726.3	761.0	745.8	775.9	756.8
G66.0	796.2	796.1	789.2	776.6	811.1	685.2	714.9	701.9	727.0	712.9
G67.0	763.0	762.7	755.4	731.5	742.2	645.3	668.3	656.8	676.5	666.8
G68.0	729.8	729.4	721.8	697.7	679.1	605.1	620.0	610.8	625.2	620.0
G69.0	696.6	696.1	688.3	664.2	620.9	564.8	572.0	564.2	574.0	573.7
G70.0	663.4	662.9	654.9	630.7	574.0	523.9	524.8	518.0	522.6	528.4
G71.0	630.3	629.7	621.5	597.4	541.2	482.9	477.5	473.0	470.9	483.1
G72.0	597.2	596.5	588.2	564.3	509.1	442.4	431.3	428.8	421.5	438.2
G73.0	564.0	563.3	555.1	531.5	477.4	401.9	386.5	385.9	372.0	394.9

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G74.0	530.9	530.1	522.0	498.8	445.8	362.6	341.9	336.8	323.4	346.5
G75.0	497.8	496.9	489.0	466.3	414.9	334.3	298.7	282.8	263.7	297.3
G76.0	464.7	463.8	456.1	434.1	384.7	307.1	257.3	230.8	197.6	247.3
G77.0	431.6	430.6	423.3	402.1	355.1	281.1	217.4	183.8	132.6	200.0
G78.0	398.6	397.5	390.5	370.3	326.0	256.0	179.1	142.3	74.7	156.7
G79.0	365.5	364.5	357.8	338.9	297.4	231.5	145.0	106.1	30.3	118.1
G80.0	332.4	331.4	325.2	307.7	269.1	207.7	126.6	75.4	18.1	84.3
G81.0	299.4	298.4	292.6	276.6	241.2	184.8	109.6	52.0	11.5	57.4
G82.0	266.4	265.4	260.1	245.8	213.7	162.6	94.1	33.4	5.3	36.4
G83.0	233.3	232.4	227.7	215.0	186.5	141.3	79.7	19.0	2.2	21.0
G84.0	200.3	199.4	195.3	184.4	159.6	120.5	66.5	9.2	1.5	10.0
G85.0	167.3	166.5	162.9	153.9	132.9	100.3	54.2	6.2	0.0	5.5
G86.0	134.3	133.5	130.5	123.4	106.5	80.5	42.9	5.0	0.2	3.7
G87.0	101.2	100.6	98.2	93.1	80.2	61.1	32.3	4.2	1.2	2.5
G88.0	68.2	67.7	65.9	62.7	54.1	41.9	22.3	3.9	1.4	1.6
G89.0	35.2	34.8	33.6	32.5	28.1	22.8	12.8	3.8	1.4	0.9
G90.0	0.3	0.5	0.3	0.2	0.5	0.3	0.9	0.3	0.0	3.9
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 10)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G0.0	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1
G1.0	6026.6	6022.7	6019.1	6015.9	6013.1	6010.9	6009.3	6008.4	6008.5	6009.2
G2.0	6019.7	6012.3	6005.6	5999.8	5995.0	5990.6	5987.4	5985.6	5985.8	5987.3
G3.0	6008.9	5998.8	5990.1	5982.7	5975.5	5970.0	5965.5	5962.9	5963.1	5965.3
G4.0	5997.6	5984.1	5972.4	5963.0	5956.0	5948.7	5943.5	5940.1	5940.4	5942.6
G5.0	5982.7	5967.8	5954.8	5942.9	5934.2	5927.4	5921.4	5917.3	5917.7	5919.9
G6.0	5966.1	5948.7	5934.4	5922.9	5912.3	5905.9	5899.2	5894.6	5894.9	5897.3
G7.0	5947.2	5928.8	5912.8	5900.7	5890.5	5882.9	5876.7	5871.8	5871.9	5874.6
G8.0	5925.4	5906.2	5890.4	5877.7	5868.7	5860.0	5854.2	5849.1	5848.8	5851.9
G9.0	5900.8	5881.0	5866.2	5854.0	5844.9	5837.1	5831.7	5826.3	5825.7	5829.0
G10.0	5875.0	5853.9	5839.7	5829.3	5821.3	5814.1	5809.2	5803.5	5802.7	5805.5
G11.0	5848.1	5826.4	5812.0	5804.1	5796.7	5791.1	5786.7	5780.8	5779.6	5782.0
G12.0	5818.3	5797.8	5783.6	5776.6	5772.1	5767.9	5763.8	5758.0	5756.6	5758.3
G13.0	5786.4	5767.1	5755.3	5748.7	5746.7	5743.9	5740.5	5735.3	5733.5	5734.3
G14.0	5753.5	5734.6	5725.3	5720.3	5721.5	5720.1	5717.2	5712.5	5710.3	5710.3
G15.0	5720.0	5701.0	5694.0	5691.9	5694.6	5696.1	5693.9	5689.7	5687.2	5686.0
G16.0	5684.9	5667.1	5661.6	5663.3	5667.5	5671.3	5670.6	5667.0	5664.0	5660.9
G17.0	5649.5	5632.3	5628.3	5634.1	5639.9	5646.6	5647.2	5644.2	5640.9	5635.8
G18.0	5612.7	5597.1	5594.9	5603.6	5612.5	5621.8	5623.9	5621.5	5617.5	5610.7
G19.0	5577.7	5561.0	5561.4	5572.7	5585.0	5597.0	5600.5	5598.7	5594.0	5585.2
G20.0	5540.6	5524.6	5527.7	5540.8	5557.7	5572.4	5577.1	5576.0	5570.5	5559.7
G21.0	5503.6	5489.5	5493.3	5509.0	5530.2	5547.7	5553.7	5553.2	5546.9	5534.3
G22.0	5465.9	5451.9	5457.6	5477.4	5502.9	5521.7	5530.3	5530.4	5523.3	5508.7
G23.0	5427.1	5414.7	5422.9	5446.1	5474.9	5495.8	5506.9	5507.7	5499.8	5483.1
G24.0	5386.6	5376.8	5388.6	5414.8	5446.3	5469.9	5483.4	5484.9	5476.2	5457.8
G25.0	5343.9	5337.9	5352.5	5382.6	5417.5	5444.1	5460.0	5462.2	5452.5	5431.8
G26.0	5299.9	5297.3	5316.2	5349.7	5388.0	5418.4	5436.6	5439.4	5428.9	5405.9
G27.0	5254.1	5254.8	5279.6	5316.5	5358.8	5392.9	5413.3	5416.6	5405.2	5380.1
G28.0	5204.3	5210.6	5242.9	5284.8	5329.9	5367.3	5390.0	5393.9	5381.6	5354.3
G29.0	5149.3	5164.8	5204.3	5252.8	5301.2	5341.8	5366.8	5371.1	5358.0	5328.5
G30.0	5091.8	5115.7	5164.1	5219.4	5273.5	5316.4	5343.7	5348.4	5334.4	5302.8
G31.0	5027.4	5061.5	5122.6	5185.6	5246.1	5291.2	5246.1	5205.4	5237.1	5277.1
G32.0	4957.3	5002.7	5079.6	5151.5	5217.4	5216.2	5103.2	5062.5	5094.5	5201.3
G33.0	4880.1	4939.7	5034.9	5117.7	5188.7	5075.5	4960.2	4919.5	4951.9	5060.0
G34.0	4796.8	4870.1	4987.6	5083.8	5125.0	4934.5	4817.2	4776.6	4809.3	4918.8
G35.0	4704.9	4792.1	4937.4	5047.9	4983.9	4792.4	4674.3	4633.6	4666.8	4777.2
G36.0	4603.8	4706.8	4880.6	5011.3	4843.0	4650.4	4531.4	4490.7	4524.2	4635.7

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 11)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G37.0	4493.3	4614.7	4819.9	4973.7	4702.7	4508.3	4388.5	4347.7	4381.7	4494.1
G38.0	4372.8	4514.1	4755.3	4831.9	4562.4	4365.7	4245.9	4204.8	4239.0	4352.4
G39.0	4241.4	4402.4	4684.4	4689.1	4421.0	4222.8	4103.3	4061.8	4096.3	4210.5
G40.0	4096.5	4280.0	4605.3	4545.3	4279.4	4079.9	3960.6	3918.9	3953.6	4068.7
G41.0	3936.4	4146.4	4520.3	4401.3	4137.4	3937.1	3817.9	3775.9	3810.9	3926.8
G42.0	3764.2	4002.5	4422.7	4254.7	3994.8	3794.4	3675.2	3633.0	3668.3	3784.7
G43.0	3578.5	3847.9	4245.1	4108.3	3852.2	3651.7	3532.5	3490.0	3525.6	3642.6
G44.0	3379.8	3680.6	4066.3	3958.0	3709.9	3509.0	3389.8	3347.1	3383.0	3500.4
G45.0	3169.9	3497.0	3882.5	3808.4	3567.8	3366.4	3246.8	3204.1	3240.4	3358.3
G46.0	2953.4	3306.9	3698.2	3656.7	3425.4	3223.8	3103.5	3061.2	3097.7	3216.0
G47.0	2733.5	3110.5	3515.5	3505.9	3281.9	3081.3	2960.3	2918.2	2955.1	3073.7
G48.0	2513.0	2907.5	3330.7	3352.9	3138.6	2938.6	2817.1	2775.3	2812.5	2931.5
G49.0	2295.6	2696.9	3148.3	3201.2	2994.9	2795.9	2674.0	2632.3	2669.8	2789.3
G50.0	2084.5	2482.4	2968.9	3047.0	2851.1	2652.7	2530.8	2489.4	2527.2	2647.0
G51.0	1890.5	2277.8	2789.6	2894.7	2707.4	2509.5	2387.6	2346.4	2384.6	2504.6
G52.0	1710.6	2085.1	2614.6	2742.0	2563.7	2366.3	2244.5	2203.5	2241.9	2362.2
G53.0	1548.9	1907.9	2441.3	2591.4	2419.9	2223.0	2101.3	2060.5	2099.3	2219.9
G54.0	1408.4	1742.6	2275.3	2441.3	2276.4	2079.7	1958.2	1917.6	1956.7	2077.5
G55.0	1292.2	1589.9	2116.6	2293.1	2132.7	1936.3	1815.1	1774.6	1814.0	1935.0
G56.0	1200.5	1452.0	1964.2	2146.0	1988.8	1792.9	1672.0	1631.7	1671.4	1792.6
G57.0	1131.1	1330.5	1819.0	2000.3	1845.1	1649.5	1528.9	1488.7	1528.8	1650.2
G58.0	1082.1	1220.9	1679.7	1857.5	1701.4	1506.1	1385.8	1345.8	1386.2	1507.8
G59.0	1042.3	1123.0	1548.2	1716.0	1557.4	1362.8	1242.7	1202.8	1243.6	1365.4
G60.0	1002.0	1038.2	1424.4	1577.6	1413.7	1219.4	1099.6	1059.9	1101.0	1222.9
G61.0	958.2	962.9	1308.5	1442.1	1270.3	1076.0	1023.5	1024.6	1025.1	1080.4
G62.0	914.2	897.7	1200.9	1309.6	1127.3	984.5	988.1	989.2	989.7	989.3
G63.0	869.4	842.0	1100.6	1180.6	984.7	949.0	952.7	953.9	954.4	953.6
G64.0	823.6	791.1	1008.2	1054.2	902.6	913.5	917.4	918.6	919.0	918.0
G65.0	777.0	746.1	922.4	931.0	867.0	878.1	882.0	883.3	883.6	882.4
G66.0	729.9	703.3	843.7	811.3	831.2	842.7	846.7	847.9	848.1	846.8
G67.0	682.1	662.0	771.1	763.6	795.6	807.3	811.4	812.6	812.7	811.2
G68.0	633.1	620.4	704.4	727.8	760.0	771.9	776.1	777.3	777.2	775.7
G69.0	584.7	578.6	642.9	692.4	724.6	736.6	740.8	742.0	741.8	740.2
G70.0	537.5	536.6	593.5	657.0	689.3	701.3	705.4	706.6	706.4	704.8
G71.0	489.1	494.7	559.3	621.7	653.9	666.1	670.1	671.3	671.0	669.4
G72.0	441.9	452.8	525.7	586.8	618.6	630.9	634.9	636.0	635.6	634.0
G73.0	396.0	410.9	492.6	552.3	583.5	595.6	599.6	600.7	600.3	598.6

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 12)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G74.0	350.6	370.8	459.9	518.1	548.6	560.3	564.3	565.3	564.9	563.2
G75.0	306.6	341.8	427.9	484.2	513.7	525.1	529.0	530.0	529.6	527.8
G76.0	264.4	313.9	396.4	450.6	479.0	489.9	493.8	494.7	494.2	492.5
G77.0	224.0	287.0	365.6	417.3	444.3	454.8	458.5	459.4	458.9	457.2
G78.0	185.4	261.0	335.3	384.2	409.8	419.7	423.2	424.1	423.6	422.0
G79.0	150.6	235.9	305.5	351.3	375.3	384.7	388.0	388.7	388.3	386.8
G80.0	131.1	211.5	276.2	318.7	340.9	349.6	352.7	353.4	353.0	351.6
G81.0	113.1	187.9	247.4	286.2	306.6	314.6	317.5	318.1	317.7	316.4
G82.0	96.7	165.1	219.0	253.9	272.4	279.7	282.2	282.8	282.4	281.3
G83.0	81.6	142.9	190.9	221.8	238.2	244.7	247.0	247.4	247.1	246.2
G84.0	67.6	121.4	163.1	189.9	204.1	209.8	211.7	212.1	211.8	211.0
G85.0	54.8	100.4	135.6	158.0	170.1	174.9	176.5	176.8	176.5	176.0
G86.0	42.9	79.8	108.3	126.3	136.1	140.0	141.3	141.5	141.2	140.9
G87.0	31.7	59.6	81.2	94.7	102.1	105.1	106.0	106.1	106.0	105.8
G88.0	21.1	39.7	54.2	63.2	68.2	70.2	70.8	70.8	70.7	70.8
G89.0	10.9	20.0	27.3	31.6	34.2	35.4	35.6	35.5	35.4	35.7
G90.0	3.4	3.9	2.2	2.2	1.4	1.9	2.2	2.9	2.2	2.7
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 13)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 14)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 15)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G0.0	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1			
G1.0	6010.7	6012.7	6015.3	6018.4	6021.9	6025.7	6029.6			
G2.0	5990.2	5993.6	5998.3	6004.0	6010.6	6017.9	6025.7			
G3.0	5968.5	5973.7	5980.8	5989.5	5999.5	6010.6	6022.3			
G4.0	5946.9	5954.0	5963.3	5974.0	5986.7	6001.0	6016.6			
G5.0	5925.4	5933.7	5944.1	5956.9	5972.0	5989.4	6008.6			
G6.0	5903.8	5912.4	5923.8	5937.7	5953.8	5973.4	5995.9			
G7.0	5881.1	5890.2	5901.5	5915.5	5933.3	5955.4	5981.3			
G8.0	5858.3	5867.1	5877.4	5891.9	5910.7	5934.8	5963.9			
G9.0	5834.7	5842.0	5852.1	5866.5	5886.2	5912.3	5944.4			
G10.0	5811.1	5816.2	5825.4	5839.6	5860.2	5888.0	5923.1			
G11.0	5785.6	5790.0	5797.8	5811.5	5832.2	5860.8	5898.4			
G12.0	5760.1	5762.6	5769.3	5782.0	5802.2	5832.4	5872.8			
G13.0	5733.9	5734.8	5740.1	5750.9	5771.4	5802.6	5845.4			
G14.0	5707.7	5706.5	5709.1	5719.2	5738.9	5769.6	5814.0			
G15.0	5680.9	5677.4	5677.8	5686.4	5703.9	5736.0	5783.0			
G16.0	5654.1	5648.0	5646.0	5651.3	5668.9	5701.8	5751.0			
G17.0	5626.6	5617.7	5613.4	5616.0	5633.2	5665.5	5716.3			
G18.0	5599.0	5587.2	5579.2	5580.3	5595.4	5628.8	5682.0			
G19.0	5571.2	5556.6	5544.8	5543.7	5557.8	5592.5	5648.3			
G20.0	5543.4	5525.3	5510.3	5506.2	5520.3	5557.2	5616.1			
G21.0	5515.0	5493.5	5475.5	5468.9	5483.5	5521.3	5582.7			
G22.0	5486.5	5461.4	5439.5	5431.3	5446.0	5486.0	5551.6			
G23.0	5458.0	5428.8	5403.6	5394.4	5408.6	5449.3	5517.0			
G24.0	5429.4	5396.4	5367.8	5356.5	5370.0	5409.9	5481.0			
G25.0	5400.8	5363.9	5331.5	5318.3	5328.7	5369.9	5446.2			
G26.0	5371.9	5330.8	5295.6	5279.2	5285.6	5327.5	5408.3			
G27.0	5343.0	5297.6	5259.0	5238.0	5240.8	5282.8	5371.4			
G28.0	5313.9	5264.6	5221.7	5193.8	5191.3	5234.7	5331.3			
G29.0	5285.0	5231.6	5183.9	5148.7	5138.9	5182.9	5291.3			
G30.0	5255.6	5197.9	5144.8	5098.3	5079.7	5127.4	5249.5			
G31.0	5226.4	5164.3	5103.9	5044.2	5016.0	5067.4	5206.3			
G32.0	5197.2	5130.8	5060.3	4984.8	4944.8	5001.9	5159.5			
G33.0	5168.2	5096.2	5015.3	4918.6	4867.5	4930.2	5110.6			
G34.0	5104.8	5061.3	4966.5	4846.7	4781.1	4853.7	5063.4			
G35.0	4964.8	5025.6	4913.6	4765.3	4687.1	4771.0	5009.7			
G36.0	4824.8	4989.4	4856.1	4677.0	4584.1	4680.2	4952.6			

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 16)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	4684.8	4952.5	4792.0	4579.5	4472.0	4579.6	4884.7			
G38.0	4544.8	4811.5	4722.5	4472.7	4349.7	4467.5	4806.3			
G39.0	4403.8	4668.8	4646.7	4358.1	4215.3	4342.0	4710.5			
G40.0	4262.8	4525.3	4562.3	4228.3	4070.4	4199.9	4591.9			
G41.0	4121.7	4382.0	4471.8	4091.2	3912.8	4039.2	4451.0			
G42.0	3980.4	4234.6	4368.6	3942.2	3743.4	3863.1	4288.1			
G43.0	3839.1	4087.4	4186.6	3781.4	3557.9	3669.0	4097.8			
G44.0	3697.4	3937.7	4004.5	3613.0	3365.8	3458.6	3886.5			
G45.0	3555.7	3788.7	3822.2	3431.5	3162.3	3236.7	3655.0			
G46.0	3413.9	3636.1	3636.1	3242.9	2950.6	3008.5	3411.5			
G47.0	3271.7	3484.6	3451.3	3046.3	2734.8	2776.4	3147.6			
G48.0	3129.6	3331.3	3269.6	2842.1	2519.3	2539.3	2888.1			
G49.0	2987.4	3179.7	3088.3	2640.4	2309.3	2311.8	2616.6			
G50.0	2845.1	3026.0	2908.7	2435.3	2104.0	2089.6	2358.4			
G51.0	2702.8	2874.5	2733.9	2239.1	1906.7	1888.9	2095.6			
G52.0	2559.9	2722.9	2564.5	2054.2	1723.0	1701.0	1873.9			
G53.0	2416.8	2573.6	2398.5	1881.3	1557.1	1546.1	1652.2			
G54.0	2273.9	2424.2	2239.1	1724.3	1413.9	1404.3	1463.8			
G55.0	2131.1	2276.8	2086.3	1580.1	1295.2	1283.6	1302.0			
G56.0	1988.6	2131.7	1938.7	1447.0	1200.8	1181.2	1181.3			
G57.0	1846.3	1989.1	1797.9	1327.8	1129.4	1100.0	1100.4			
G58.0	1703.9	1849.3	1666.8	1219.2	1076.8	1039.2	1056.2			
G59.0	1561.3	1710.4	1542.8	1121.0	1035.4	995.6	1025.2			
G60.0	1419.0	1575.2	1424.4	1038.7	998.5	961.4	997.6			
G61.0	1277.2	1443.3	1313.3	966.2	959.7	929.7	968.1			
G62.0	1135.6	1314.7	1210.0	904.1	919.8	897.4	936.4			
G63.0	994.5	1189.7	1113.7	852.3	878.4	863.4	902.6			
G64.0	912.9	1067.3	1024.9	805.1	835.7	827.8	866.7			
G65.0	876.9	948.6	942.6	763.3	792.3	790.4	829.1			
G66.0	841.1	833.5	868.0	723.6	748.4	751.1	789.3			
G67.0	805.3	785.9	799.1	685.3	703.3	710.0	747.1			
G68.0	769.7	749.5	735.5	647.2	658.0	668.3	702.2			
G69.0	734.1	713.3	676.9	609.1	612.6	624.8	658.0			
G70.0	698.5	677.5	628.9	569.9	567.1	580.2	609.3			
G71.0	662.9	642.0	593.2	530.5	521.5	535.0	561.2			
G72.0	627.4	606.7	558.2	491.6	476.1	489.7	511.1			
G73.0	592.0	571.7	523.7	452.8	431.1	445.1	459.6			

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 17)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G74.0	556.7	536.8	489.9	414.0	386.6	395.9	411.1			
G75.0	521.5	502.1	456.5	381.9	342.9	346.6	361.9			
G76.0	486.4	467.7	423.7	351.2	299.9	295.9	314.1			
G77.0	451.4	433.4	391.1	321.7	258.2	247.3	253.5			
G78.0	416.4	399.4	359.1	293.1	217.8	201.2	187.5			
G79.0	381.5	365.5	327.5	265.6	181.1	158.4	124.1			
G80.0	346.6	331.7	296.2	239.0	159.0	119.7	68.4			
G81.0	311.8	298.1	265.6	213.1	138.4	86.2	31.8			
G82.0	277.1	264.7	235.3	187.7	119.2	58.0	20.8			
G83.0	242.4	231.5	205.3	162.7	101.3	35.4	13.2			
G84.0	207.7	198.3	175.7	138.3	84.6	17.8	8.0			
G85.0	173.1	165.3	146.2	114.5	68.9	10.5	3.4			
G86.0	138.5	132.4	117.0	91.2	54.2	7.0	0.5			
G87.0	103.9	99.5	88.0	68.3	40.1	4.5	0.3			
G88.0	69.4	66.7	59.0	45.7	26.7	2.7	1.5			
G89.0	34.9	33.9	30.2	23.3	13.6	1.5	0.5			
G90.0	2.7	3.7	3.4	3.4	3.4	3.7	1.5			
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 18)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:

Candlepower Table (Continue 19)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: Rafeed

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 6.869 m
 Humidity:
 Inspector:



ATC MIDDLE EAST FZCO

ATC
Dubai, UAE
BCW, JAFZA View 18 &19, First Floor, Jebel Ali Free Zone.
P.O.Box 262746
Tel +971 (4) 455 8555
Fax +971 (4) 455 8556
E-mail info@atclighting.co
Website www.atclighting.co



Website www.rafeed.co