



ATC MIDDLE EAST FZCO



 rafeed<sup>®</sup>  
LED  
**E**series  
2022  
OUR BEAUTIFUL WORLD WITH  
**LIGHTS.**

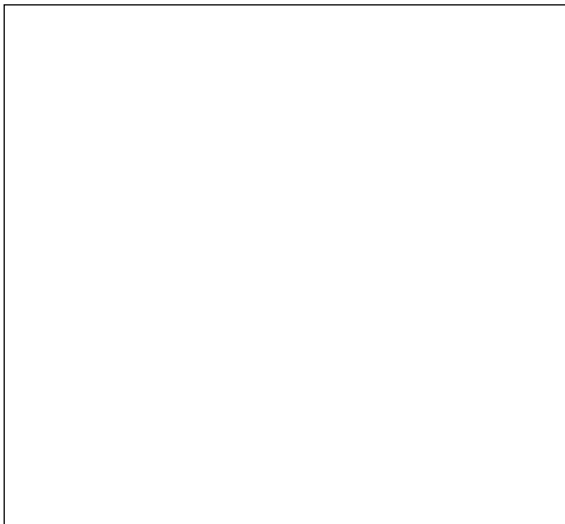
## Luminaire Property

Luminaire Manufacturer: ATC  
 Luminaire Description: 595-595-40W-6000k Luminous Length (mm): 545  
 Luminous Width (mm): 545 Voltage: 231.1 V  
 Current: 0.183 A Power: 40.99 W  
 Power Factor: 0.971

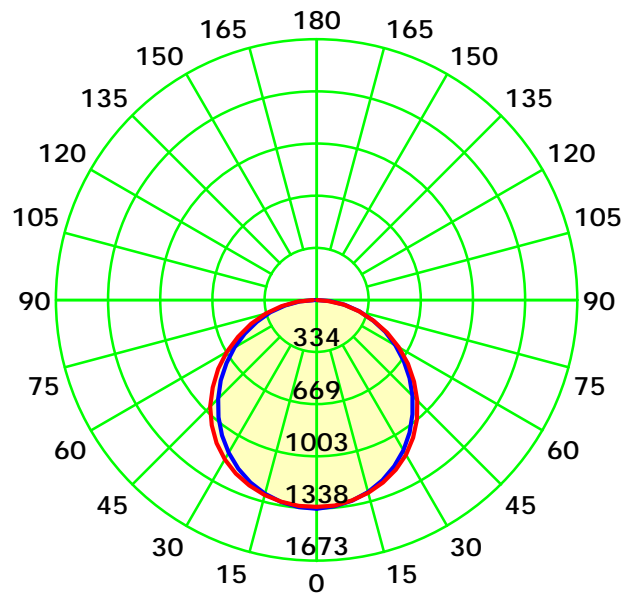
## Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 4001.1 lm  
 Measurement Flux: 4001.1 lm Efficiency: 100%  
 Downward Ratio: 100% Upward Ratio: 0%  
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 166.3, 166.8, 166.5, 166.6  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.7, 117.6, 115.2, 115.2  
 Luminaire Efficacy Rating (LER): 97.66 Central Intensity: 1338.41 cd  
 Max. Intensity: 1338.42 cd Pos of Max. Intensity: H0 V0  
 S/MH(C0/C180): 1.25 S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

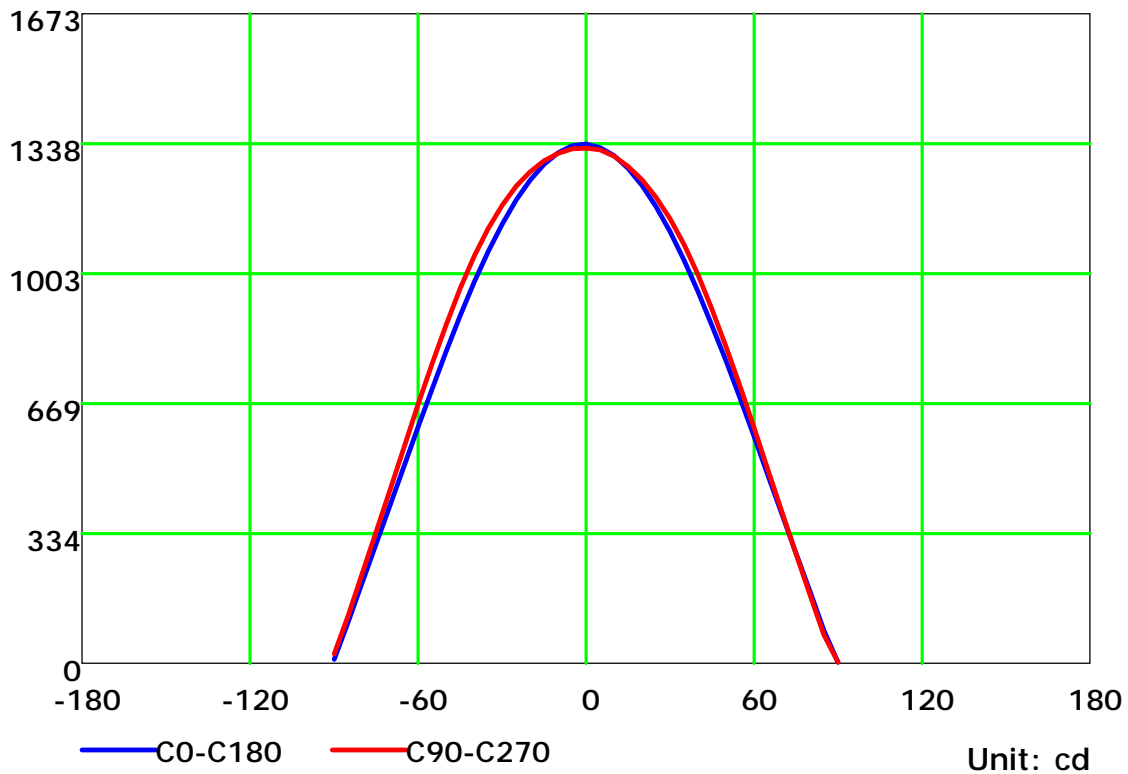
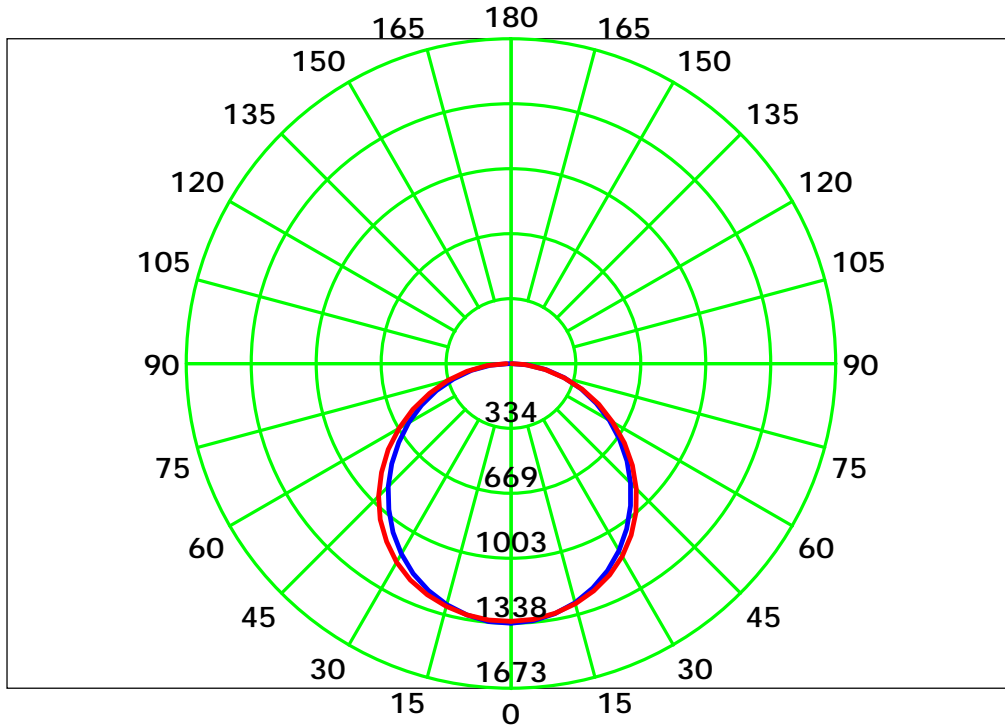
Average Diffuse Angle(50%): 115.1°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

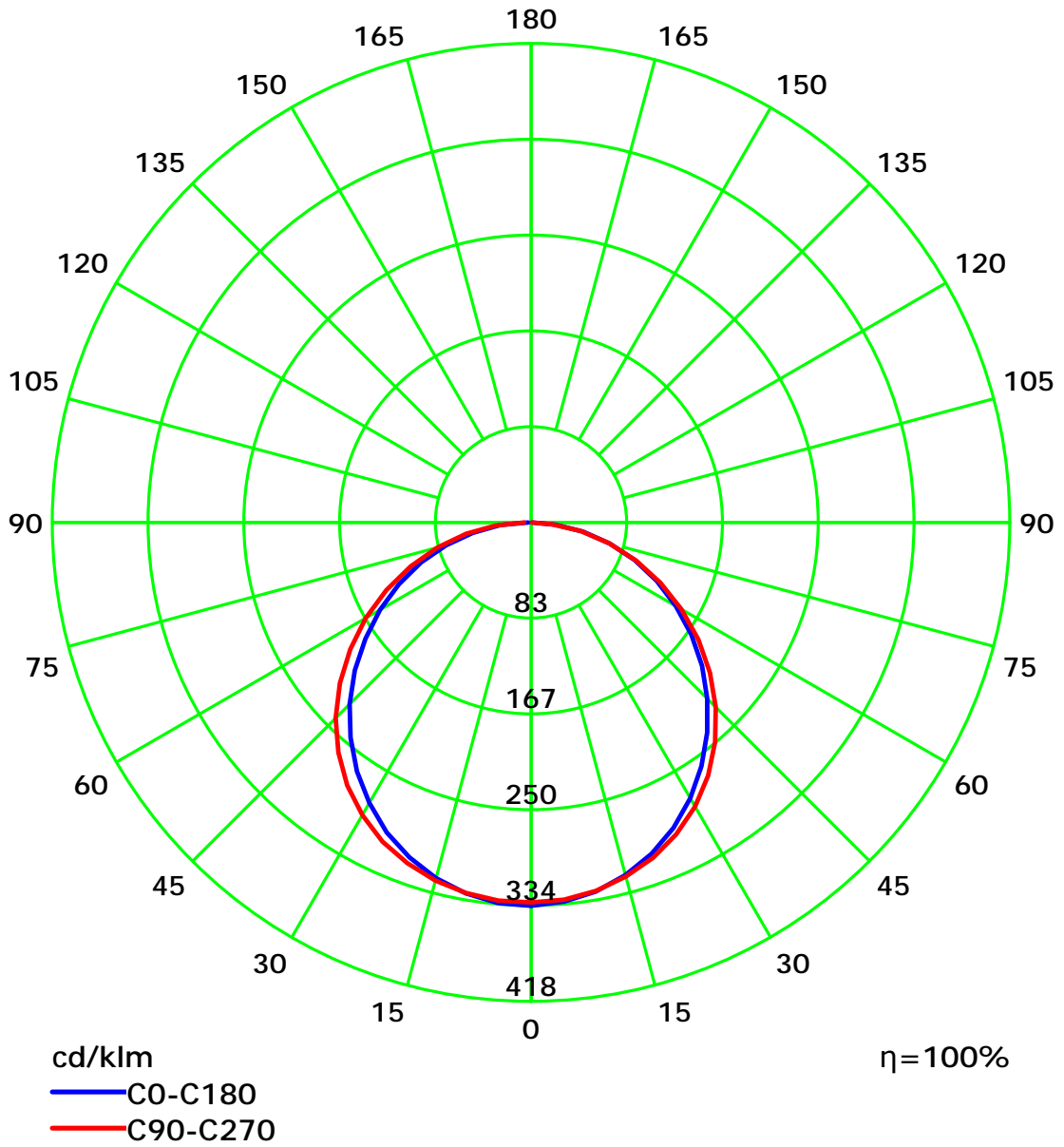
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



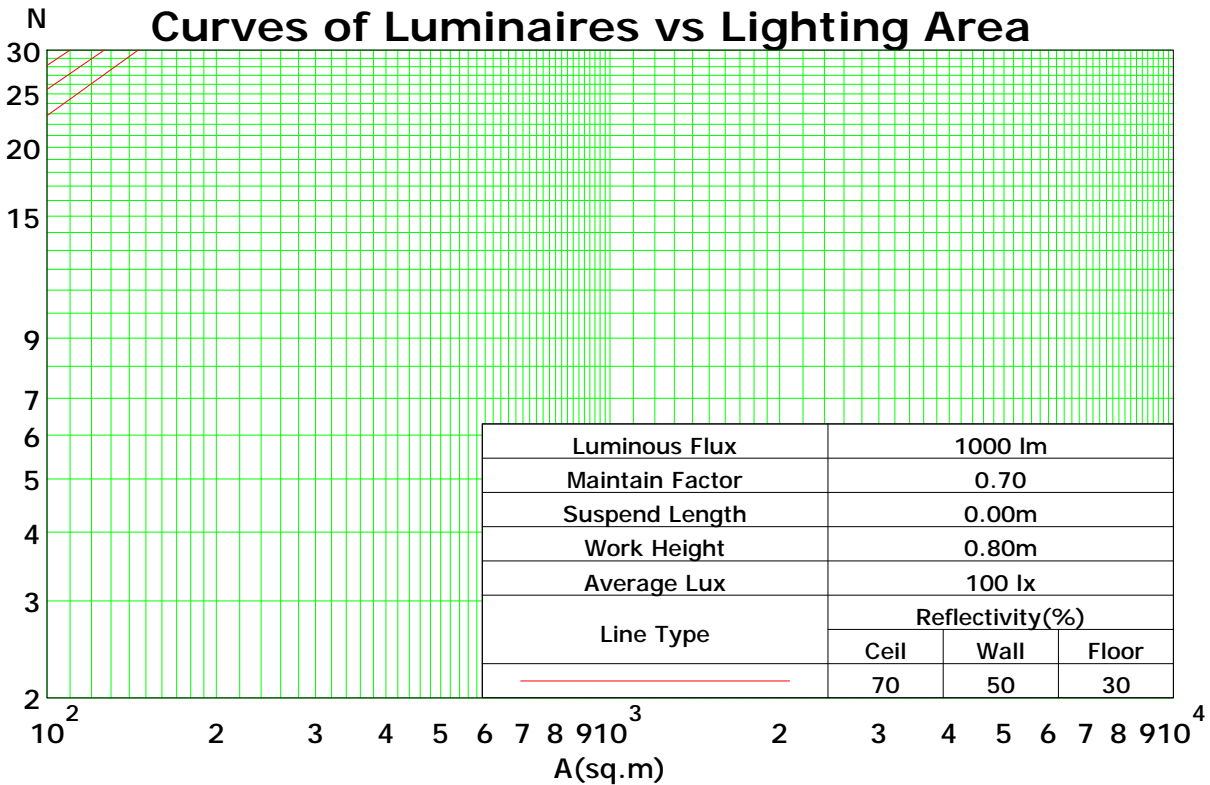
C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	51	48
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

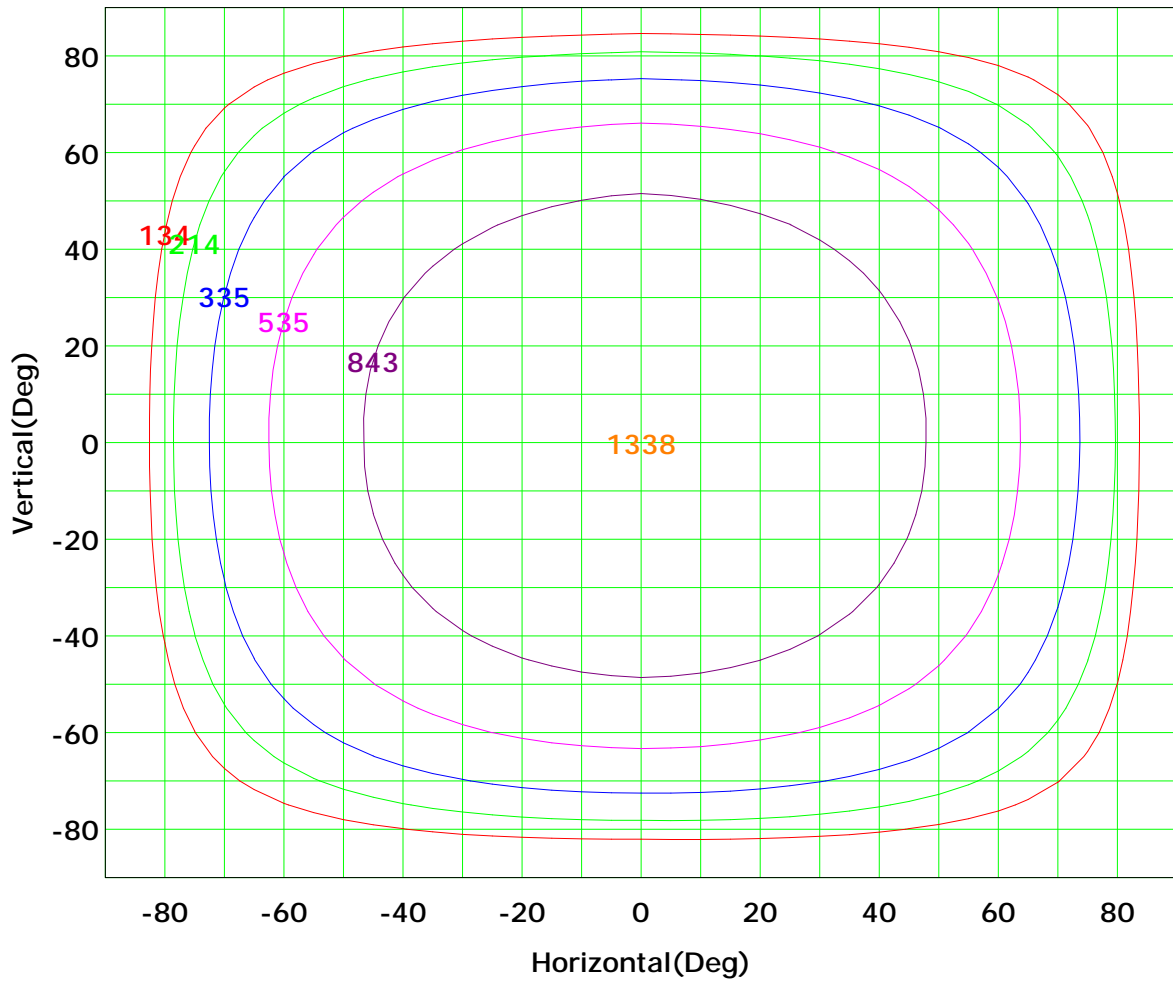
Spacing Criteria (0-180): 1.25  
 Spacing Criteria (90-270): 1.30  
 Spacing Criteria (Diagonal): 1.39



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



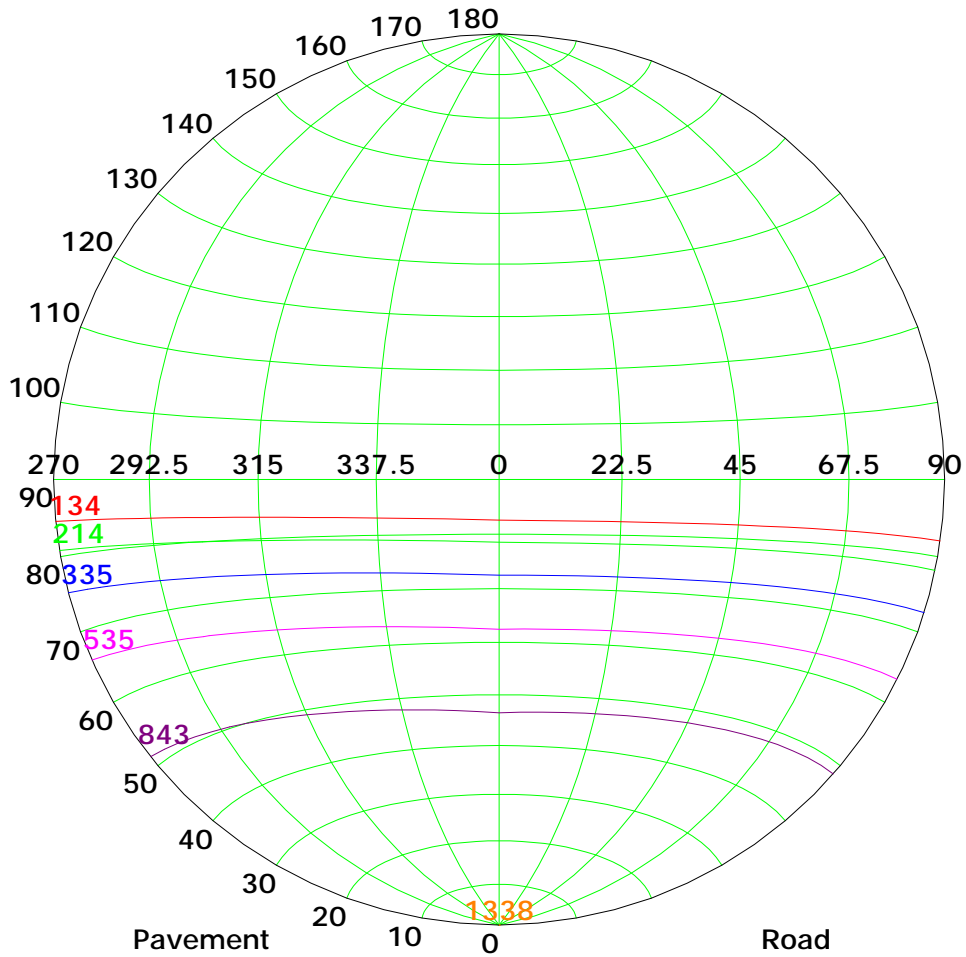
Imax (100%): 1338 cd

— ( 10%): 134 cd	— ( 16%): 214 cd
— ( 25%): 335 cd	— ( 40%): 535 cd
— ( 63%): 843 cd	— (100%): 1338 cd

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



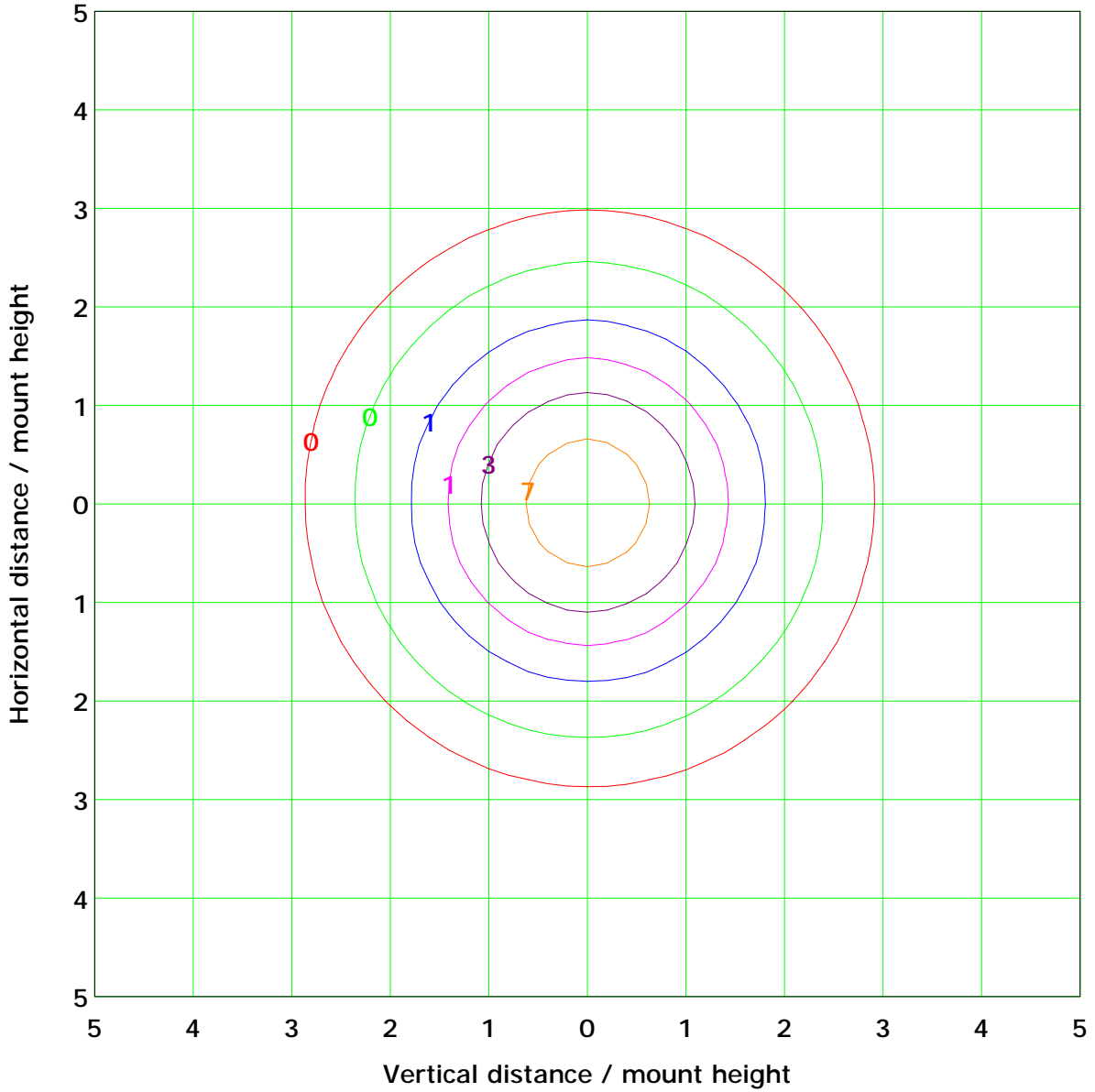
Imax (100%): 1338 cd

— ( 10%): 134 cd	— ( 16%): 214 cd
— ( 25%): 335 cd	— ( 40%): 535 cd
— ( 63%): 843 cd	— (100%): 1338 cd

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## IsoLux Plot



<b>Mounting Height: 10.0m    Max Lux(100%): 13.4 lx</b>	
( 1%): 0.1 lx	( 2%): 0.3 lx
( 5%): 0.7 lx	( 10%): 1.3 lx
( 20%): 2.7 lx	( 50%): 6.7 lx
(100%): 13.4 lx	

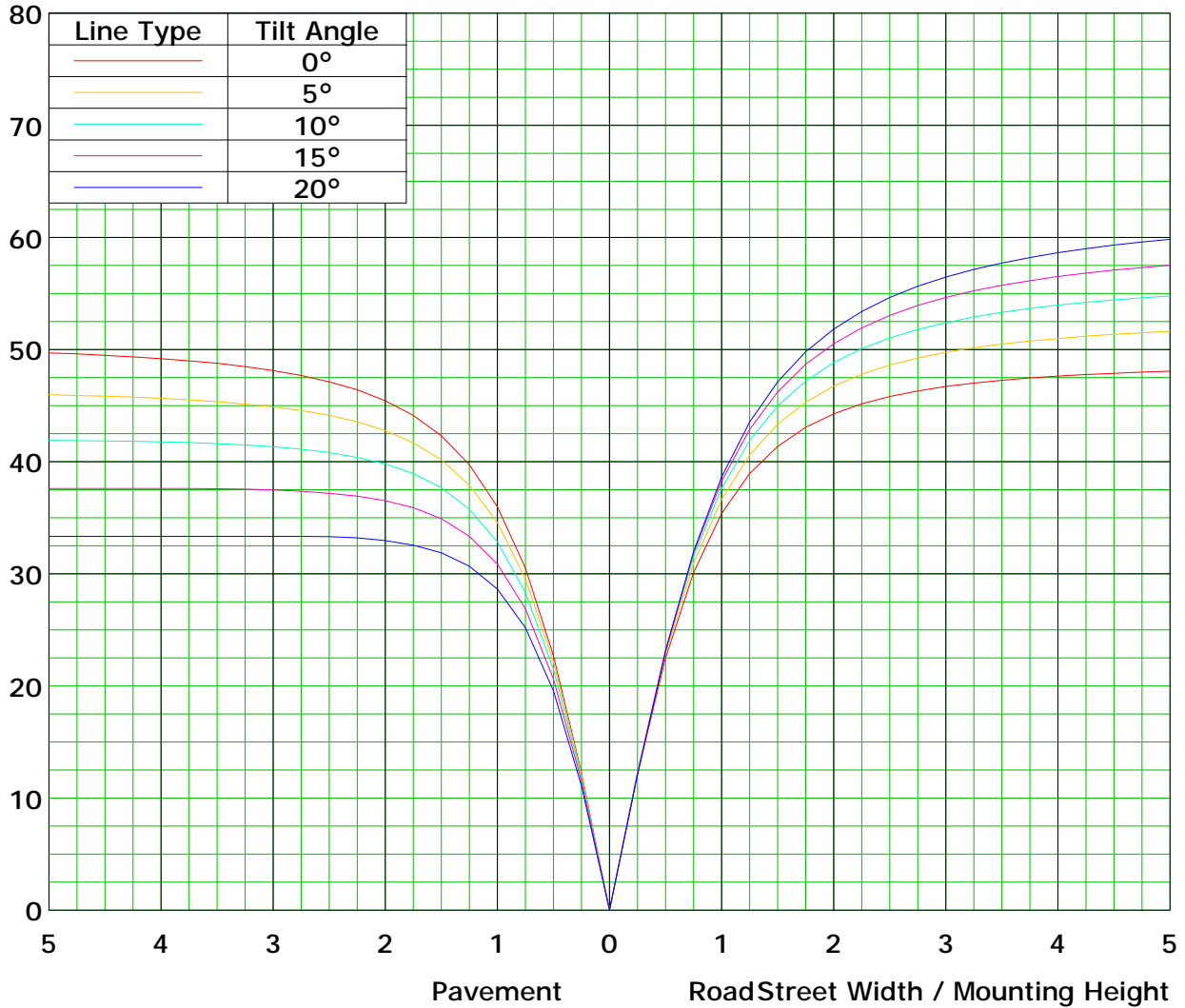
C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:



## Roadway CU Curve

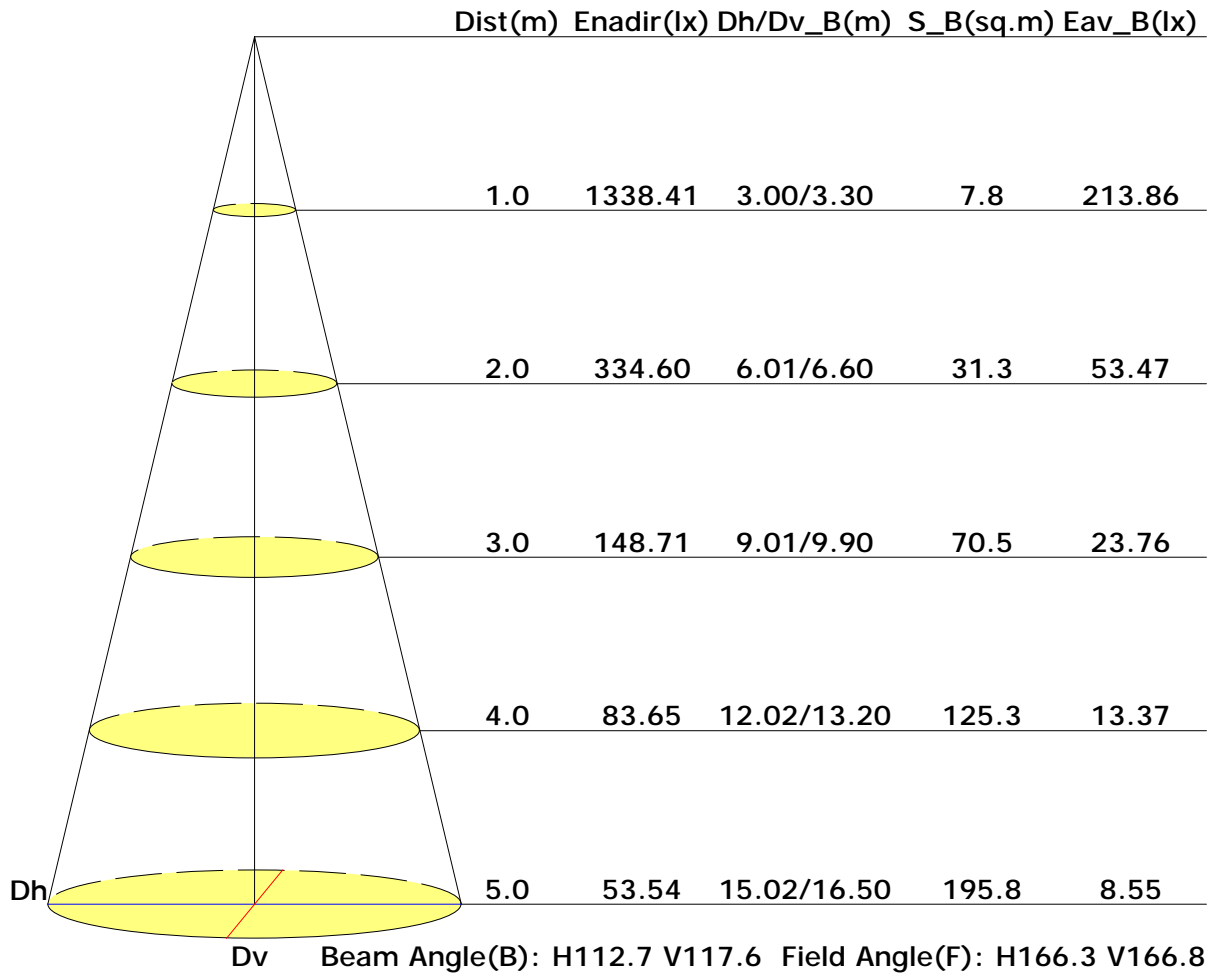
Efficiency(%)



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

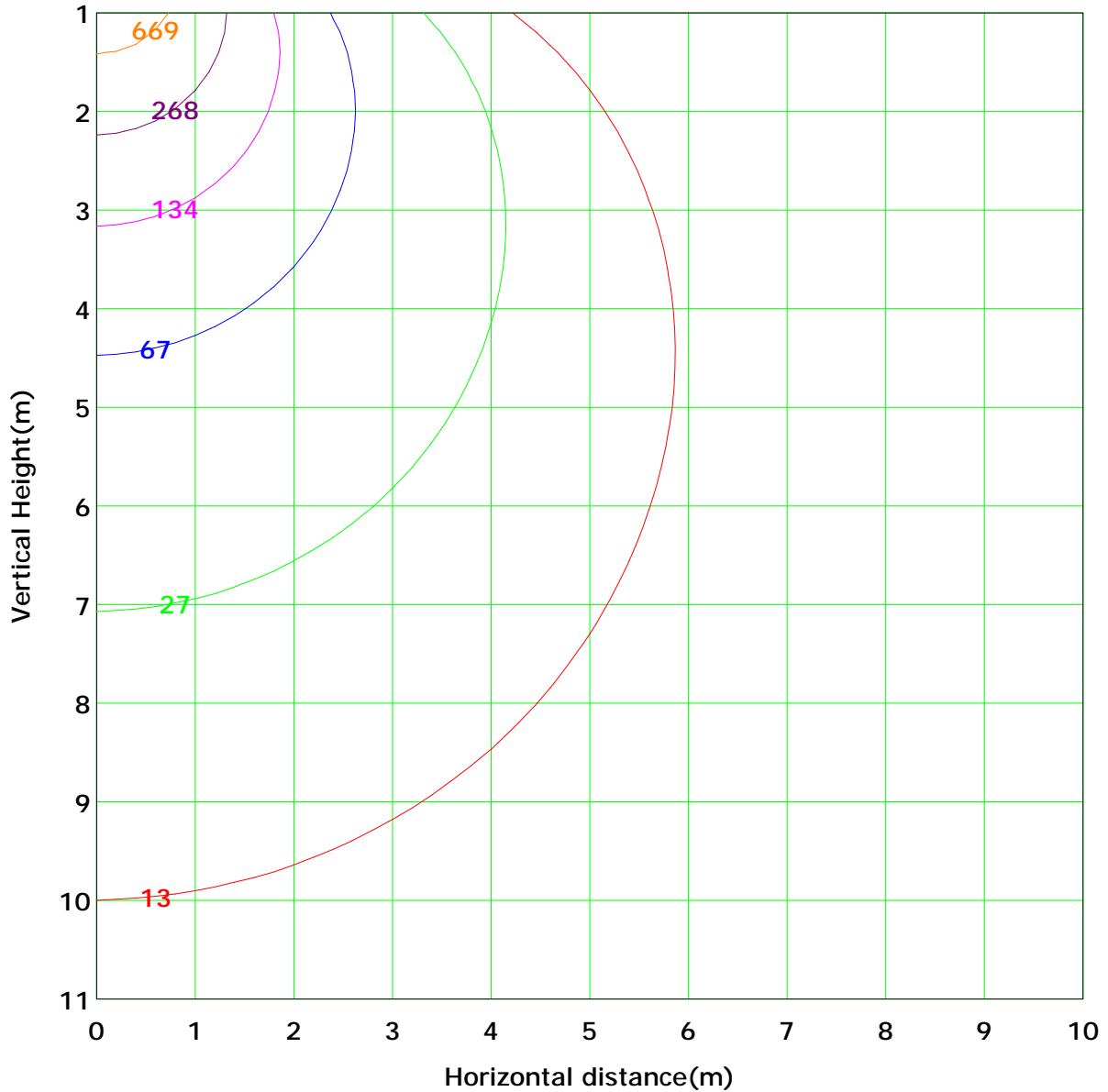
## Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1338.4 lx  
 ( 1%): 13.4 lx ( 2%): 26.8 lx  
 ( 5%): 66.9 lx ( 10%): 133.8 lx  
 ( 20%): 267.7 lx ( 50%): 669.2 lx  
 (100%):1338.4 lx

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## Area Flux Table

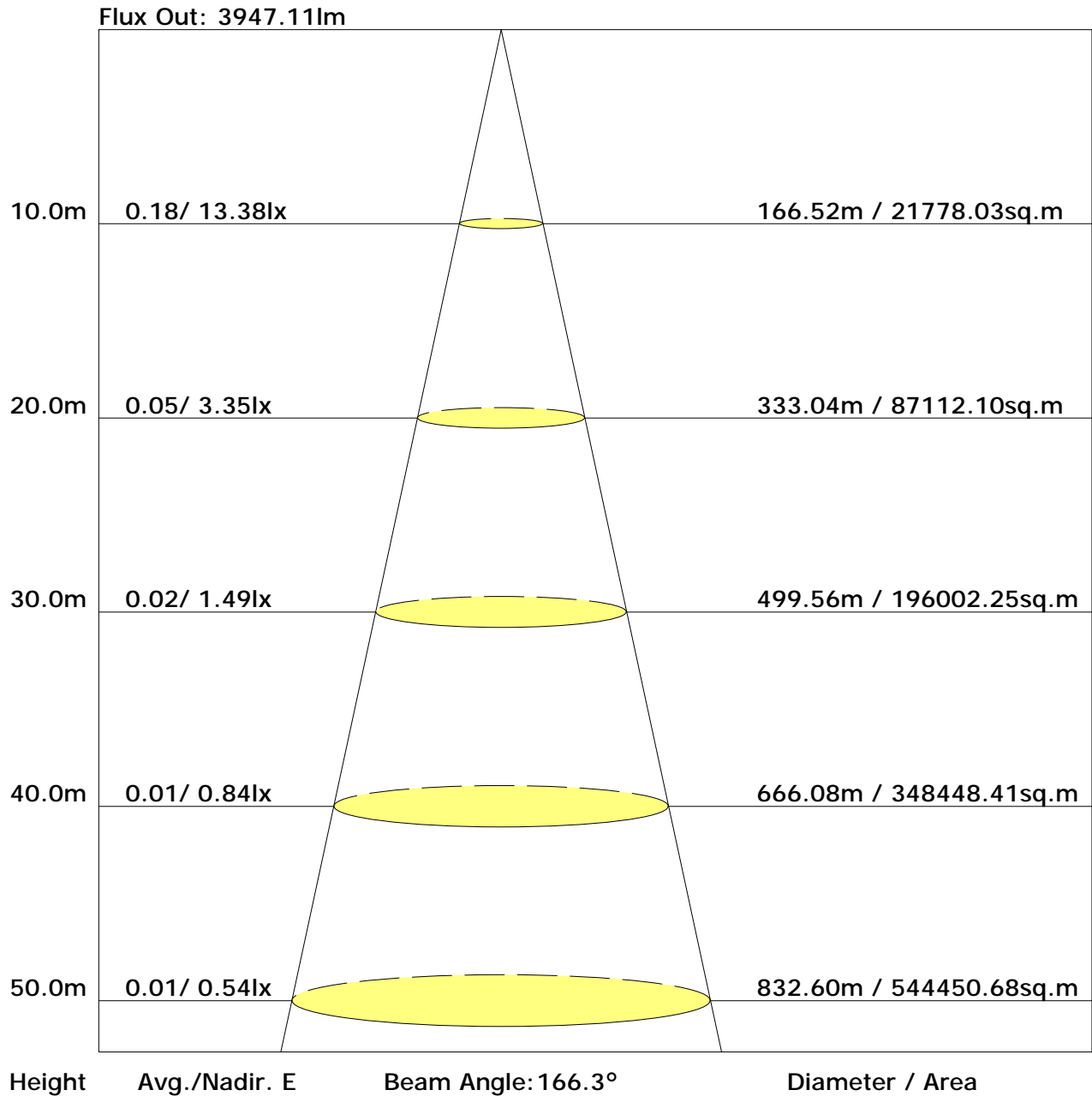
Unit: lm

		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)
Horizontal plane	90	4.5	29.1	76.0	141.2	218.4	298.2	370.3	424.6	454.1	453.1	421.6	365.5	292.3	212.2	135.7	71.5	26.3	3.6	3998		
	80	0.1	0.3	0.6	1.0	1.5	1.9	2.2	2.4	2.5	2.5	2.3	2.1	1.7	1.3	0.8	0.5	0.2	0.0	23.9	5.6	
	70	0.1	0.7	1.6	2.9	4.4	5.9	7.2	8.1	8.6	8.5	8.0	7.0	5.6	4.1	2.7	1.4	0.5	0.1	77.3	72.6	
	60	0.2	1.0	2.7	4.9	7.4	10.1	12.4	14.1	15.1	15.0	14.0	12.2	9.8	7.2	4.6	2.5	0.9	0.1	134.1	132.7	
	50	0.2	1.4	3.7	6.8	10.4	14.1	17.5	20.1	21.5	21.4	19.9	17.3	13.8	10.1	6.5	3.4	1.3	0.2	189.5	188.8	
	40	0.3	1.8	4.6	8.5	13.1	17.9	22.3	25.6	27.4	27.3	25.4	22.0	17.6	12.8	8.2	4.3	1.6	0.2	240.7	240.3	
	30	0.3	2.3	6.0	11.1	17.3	23.7	29.5	33.8	36.1	36.0	33.6	29.2	23.3	16.9	10.8	5.7	2.1	0.3	318.0	317.7	
	20	0.4	2.4	6.4	11.9	18.6	25.5	31.6	36.2	38.6	38.5	36.0	31.3	25.0	18.1	11.6	6.1	2.2	0.3	340.6	340.4	
	10	0.4	2.5	6.6	12.3	19.2	26.3	32.7	37.5	39.9	39.9	37.2	32.3	25.8	18.7	11.9	6.3	2.3	0.3	352.1	351.9	
	0	0.4	2.5	6.6	12.4	19.3	26.4	32.8	37.6	40.0	39.9	37.3	32.4	25.9	18.8	12.0	6.3	2.3	0.3	353.1	352.9	
	-10	0.4	2.4	6.4	12.1	18.8	25.7	31.9	36.5	38.9	38.9	36.3	31.6	25.3	18.3	11.7	6.1	2.3	0.3	343.9	343.7	
	-20	0.3	2.3	6.1	11.3	17.6	24.2	30.0	34.4	36.9	36.8	34.2	29.7	23.7	17.2	11.0	5.8	2.1	0.3	324.0	323.7	
	-30	0.3	2.1	5.5	10.2	15.9	21.8	27.1	31.2	33.5	33.5	31.0	26.8	21.4	15.5	9.9	5.2	1.9	0.3	293.1	292.8	
	-40	0.3	1.8	4.7	8.8	13.6	18.6	23.2	26.8	28.9	28.8	26.6	23.0	18.3	13.3	8.5	4.5	1.6	0.2	251.7	251.3	
	-50	0.2	1.5	3.8	7.1	11.0	15.0	18.6	21.5	23.1	23.1	21.3	18.4	14.7	10.7	6.8	3.6	1.3	0.2	201.8	201.1	
	-60	0.2	1.1	2.9	5.2	8.0	10.9	13.5	15.6	16.7	16.7	15.4	13.3	10.6	7.8	5.0	2.6	1.0	0.1	146.7	145.5	
	-70	0.1	0.7	1.8	3.3	5.0	6.7	8.3	9.5	10.2	10.1	9.4	8.1	6.5	4.7	3.0	1.6	0.6	0.1	89.6	86.1	
	-80	0.1	0.3	0.7	1.3	1.9	2.5	3.1	3.5	3.8	3.8	3.4	2.9	2.3	1.7	1.1	0.6	0.2	0.0	33.4	15.5	
-90	0.1	0.3	0.7	1.3	1.9	2.5	3.1	3.5	3.8	3.8	3.4	2.9	2.3	1.7	1.1	0.6	0.2	0.0	33.4	15.5		

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
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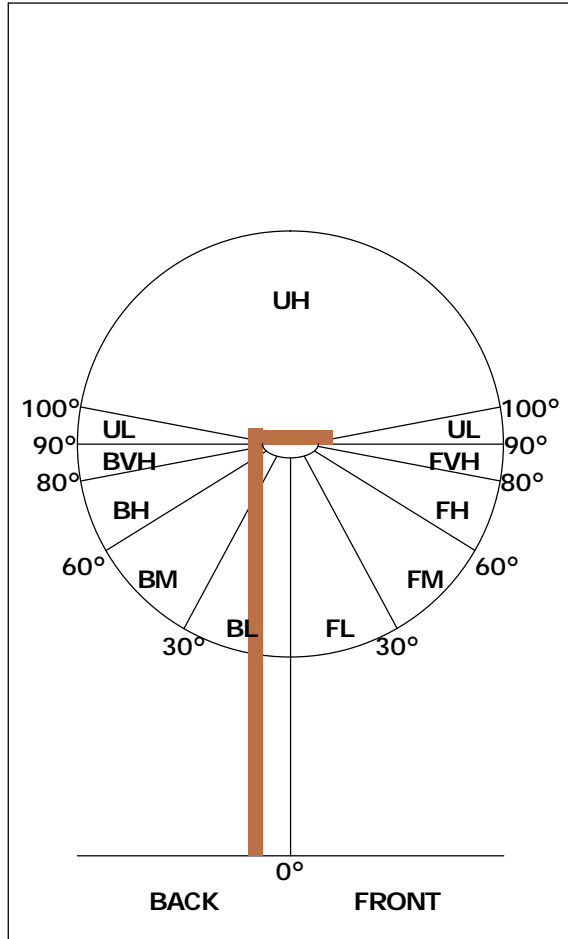
## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	17.4	18.8	17.7	19.1	19.3	17.7	19.2	18.0	19.4	19.6
3H	19.1	20.4	19.4	20.6	20.9	19.5	20.8	19.8	21.0	21.3
4H	19.8	21.0	20.1	21.3	21.6	20.2	21.4	20.6	21.7	22.0
6H	20.4	21.5	20.8	21.8	22.2	20.8	22.0	21.2	22.3	22.6
8H	20.6	21.7	21.0	22.0	22.4	21.1	22.2	21.5	22.5	22.8
12H	20.7	21.8	21.1	22.1	22.5	21.3	22.3	21.6	22.7	23.0
X=4H Y=2H	18.2	19.4	18.5	19.7	20.0	18.4	19.6	18.8	19.9	20.2
3H	20.0	21.1	20.4	21.4	21.8	20.3	21.4	20.7	21.7	22.1
4H	20.9	21.8	21.3	22.2	22.6	21.2	22.2	21.6	22.6	22.9
6H	21.6	22.5	22.0	22.9	23.3	22.0	22.9	22.4	23.2	23.6
8H	21.9	22.7	22.3	23.1	23.5	22.3	23.1	22.8	23.5	23.9
12H	22.1	22.8	22.6	23.2	23.7	22.6	23.3	23.0	23.7	24.1
X=8H Y=4H	21.3	22.1	21.7	22.5	22.9	21.6	22.4	22.0	22.8	23.2
6H	22.2	22.8	22.7	23.3	23.7	22.5	23.2	23.0	23.6	24.1
8H	22.6	23.1	23.1	23.6	24.1	22.9	23.5	23.4	24.0	24.4
12H	22.9	23.4	23.4	23.8	24.3	23.3	23.8	23.8	24.2	24.7
X=12H Y=4H	21.3	22.0	21.8	22.5	22.9	21.6	22.3	22.1	22.7	23.2
6H	22.3	22.9	22.8	23.3	23.8	22.6	23.2	23.1	23.6	24.1
8H	22.7	23.2	23.2	23.7	24.2	23.1	23.6	23.6	24.0	24.5
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.1				
S=1.5H	+0.4/-0.4					+0.3/-0.3				
S=2.0H	+0.5/-0.8					+0.5/-0.7				

Calculate in accordance with CIE Pub.117. The table is revised with 4001lm ( $8\log(F/F_0) = 4.8$ ).

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:



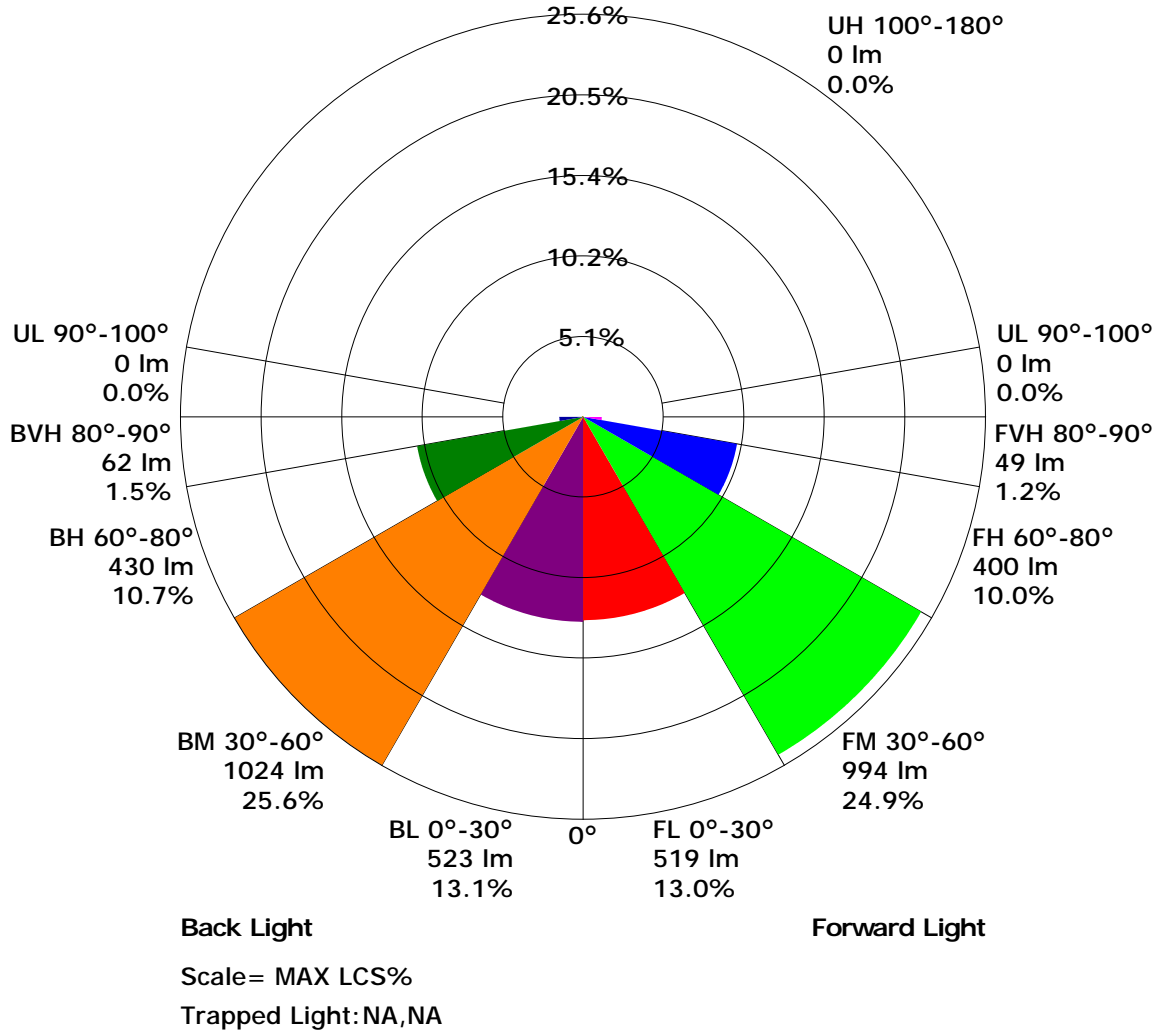
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>1962</b>	<b>49.0</b>
FL ( 0°-30°)	519	13.0
FM (30°-60°)	994	24.9
FH (60°-80°)	400	10.0
FVH (80°-90°)	49	1.2
<b>BACK LIGHT</b>	<b>2039</b>	<b>51.0</b>
BL ( 0°-30°)	523	13.1
BM (30°-60°)	1024	25.6
BH (60°-80°)	430	10.7
BVH (80°-90°)	62	1.5
<b>UP LIGHT</b>	<b>0</b>	<b>0.0</b>
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
<b>TRAPPED LIGHT</b>	<b>NA</b>	<b>NA</b>

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U1 G1

C Plane (°):0.0-360.0: 90.0  
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Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## LCS Graph



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
Test Device: GPM-1600L  
Distance: 7.884 m  
Humidity:  
Inspector:



## 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	0.55	0.65	0.73	0.78	0.86	0.91	0.95	0.99	1.02	
	0.30		0.47	0.57	0.65	0.71	0.79	0.85	0.89	0.95	0.99	
	0.20		0.41	0.51	0.59	0.65	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.83	0.87	0.91	0.95	0.98	
	0.30		0.46	0.56	0.64	0.69	0.77	0.82	0.86	0.92	0.95	
	0.20		0.41	0.51	0.58	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.68	0.73	0.80	0.84	0.87	0.92	0.94	
	0.30		0.45	0.55	0.62	0.68	0.75	0.80	0.84	0.89	0.92	
	0.20		0.41	0.50	0.58	0.63	0.71	0.76	0.80	0.86	0.89	
0.00	0.00	0.00	0.38	0.48	0.55	0.60	0.67	0.73	0.76	0.81	0.85	
<p>Rating: 41W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## 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	1.02	0.85	0.73	0.64	0.51	0.43	0.37	0.29	0.23	
	0.30		0.85	0.73	0.63	0.56	0.46	0.39	0.34	0.27	0.22	
	0.20		0.73	0.64	0.56	0.51	0.42	0.36	0.32	0.25	0.21	
0.50	0.50	0.20	0.99	0.82	0.70	0.61	0.49	0.44	0.35	0.27	0.22	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.73	0.63	0.55	0.50	0.41	0.35	0.31	0.25	0.21	
0.30	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.39	0.33	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.37	0.32	0.25	0.21	
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.00	0.00	0.00	0.62	0.52	0.45	0.40	0.33	0.28	0.24	0.19	0.16	
<p>Rating: 41W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

## 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	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.04	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.17	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	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		0.04	0.06	0.07	0.09	0.11	0.12	0.13	0.15	0.16	
0.30	0.50	0.20	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<p>Rating: 41W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: GPM-1600L  
 Distance: 7.884 m  
 Humidity:  
 Inspector:

# Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	1330.4	31.8	31.8	0.80	0.80
5.0-10.0	1319.6	94.4	126.2	2.36	3.15
10.0-15.0	1297.8	154.0	280.2	3.85	7.00
15.0-20.0	1265.7	208.6	488.8	5.21	12.22
20.0-25.0	1224.0	256.8	745.6	6.42	18.63
25.0-30.0	1171.8	296.6	1042.2	7.41	26.05
30.0-35.0	1108.9	326.6	1368.8	8.16	34.21
35.0-40.0	1036.1	345.7	1714.5	8.64	42.85
40.0-45.0	954.5	353.5	2068.0	8.83	51.69
45.0-50.0	865.1	349.6	2417.6	8.74	60.42
50.0-55.0	769.0	334.4	2752.0	8.36	68.78
55.0-60.0	668.5	309.0	3061.1	7.72	76.51
60.0-65.0	565.4	274.9	3336.0	6.87	83.38
65.0-70.0	460.8	233.4	3569.3	5.83	89.21
70.0-75.0	356.0	186.1	3755.4	4.65	93.86
75.0-80.0	251.8	134.8	3890.2	3.37	97.23
80.0-85.0	149.1	81.0	3971.2	2.03	99.25
85.0-90.0	54.6	29.9	4001.1	0.75	100.00

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:ATC

Gamma Plane (°):0.0-90.0:5.0  
Test Device: GPM-1600L  
Distance: 7.884 m  
Humidity:  
Inspector:

# Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1338.4	1327.3	1338.4	1327.3	1338.4					
G5.0	1329.0	1323.0	1334.0	1325.9	1329.0					
G10.0	1308.7	1306.7	1315.5	1314.4	1308.7					
G15.0	1275.4	1280.5	1286.0	1295.0	1275.4					
G20.0	1231.2	1246.1	1245.2	1266.5	1231.2					
G25.0	1177.5	1201.4	1194.6	1229.9	1177.5					
G30.0	1113.1	1145.8	1132.0	1180.5	1113.1					
G35.0	1038.9	1079.3	1061.2	1120.7	1038.9					
G40.0	957.3	1001.1	981.7	1049.0	957.3					
G45.0	870.5	912.6	896.9	966.8	870.5					
G50.0	779.8	816.5	804.4	873.5	779.8					
G55.0	683.7	714.2	707.5	772.7	683.7					
G60.0	585.0	607.0	609.8	667.8	585.0					
G65.0	484.8	499.2	510.3	559.0	484.8					
G70.0	384.9	390.3	409.5	448.5	384.9					
G75.0	284.2	282.0	308.7	339.7	284.2					
G80.0	185.0	176.0	208.1	231.0	185.0					
G85.0	85.5	73.6	108.6	125.2	85.5					
G90.0	3.6	3.7	11.3	25.5	3.6					

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 Test Device: GPM-1600L  
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## ATC MIDDLE EAST FZCO

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