
Client:

LumCAT: TP34-4140W_无_无_865

Luminaire:

Report No:

Voltage(V): 230.2800

Test No: KYZ-A250804056-01-001

Current(A): 0.1730

LampCAT: LED

Power (W): 38.9900

Lamp flux(lm): -1.0

PF: 0.9804

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 5363.76

Efficiency(%): 0.00%

Lumens(lm)/Power(W): 137.57

Central intensity(cd): 1601.470

Maximum intensity(cd): 1636.088

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=104.9

[C90/270]Total=129.5

Field angle(10%Imax): [C0/180]Total=158.0

[C90/270]Total=200.8

Maximum s/h(1/2): C0_180=1.25 C90_270=1.36

Maximum s/h(1/4): C0_180=1.35 C90_270=1.49

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 5.38%

Down flux rate of LUM(%): 94.62%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 69.027%

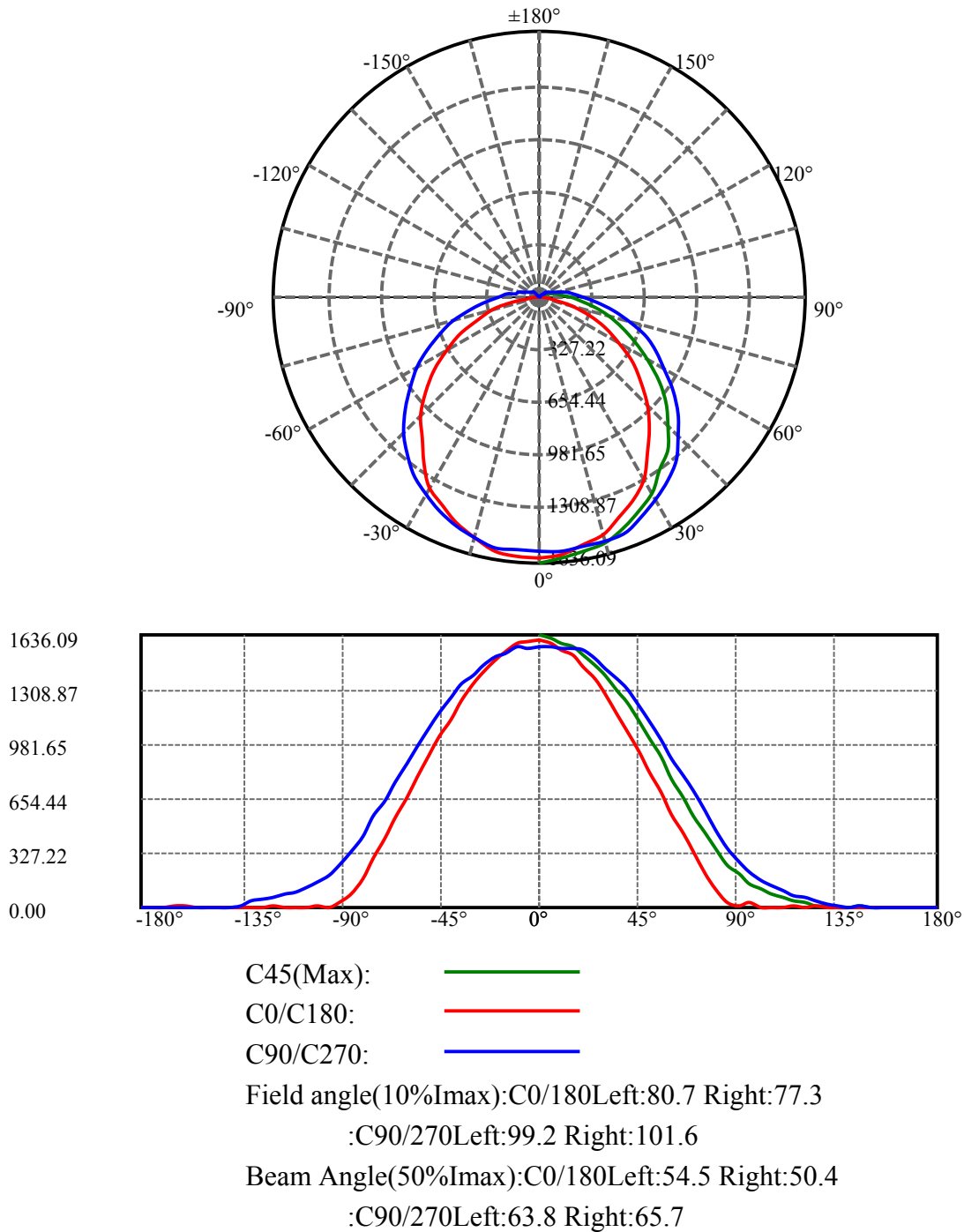
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1597.864	0.000	0	.000%	.000%
5.0	1589.880	38.109	38.109	.000%	.710%
10.0	1572.880	113.142	151.25	.000%	2.820%
15.0	1543.363	184.853	336.104	.000%	6.266%
20.0	1497.360	250.598	586.702	.000%	10.938%
25.0	1441.262	308.207	894.909	.000%	16.684%
30.0	1377.075	356.663	1251.572	.000%	23.334%
35.0	1291.356	392.945	1644.517	.000%	30.660%
40.0	1203.318	416.217	2060.735	.000%	38.420%
45.0	1104.411	427.295	2488.029	.000%	46.386%
50.0	996.952	424.611	2912.641	.000%	54.302%
55.0	880.737	408.272	3320.913	.000%	61.914%
60.0	769.775	381.511	3702.424	.000%	69.027%
65.0	655.981	346.604	4049.028	.000%	75.489%
70.0	545.225	304.153	4353.181	.000%	81.159%
75.0	437.715	256.925	4610.106	.000%	85.949%
80.0	326.548	204.496	4814.601	.000%	89.762%
85.0	230.732	151.426	4966.027	.000%	92.585%
90.0	168.194	109.229	5075.256	.000%	94.621%
95.0	129.506	81.513	5156.769	.000%	96.141%
100.0	96.640	61.450	5218.218	.000%	97.287%
105.0	71.965	45.114	5263.333	.000%	98.128%
110.0	53.626	32.828	5296.16	.000%	98.740%
115.0	41.675	24.131	5320.291	.000%	99.190%
120.0	30.445	17.532	5337.824	.000%	99.516%
125.0	21.121	11.919	5349.743	.000%	99.739%
130.0	11.591	7.113	5356.855	.000%	99.871%
135.0	2.524	2.852	5359.707	.000%	99.924%
140.0	0.464	0.553	5360.261	.000%	99.935%
145.0	5.151	0.937	5361.197	.000%	99.952%
150.0	2.061	1.062	5362.259	.000%	99.972%
155.0	2.112	0.528	5362.788	.000%	99.982%
160.0	2.318	0.465	5363.252	.000%	99.990%
165.0	1.855	0.344	5363.596	.000%	99.997%
170.0	0.000	0.110	5363.706	.000%	99.999%
175.0	1.185	0.042	5363.748	.000%	100.000%
180.0	0.000	0.014	5363.763	.000%	100.000%

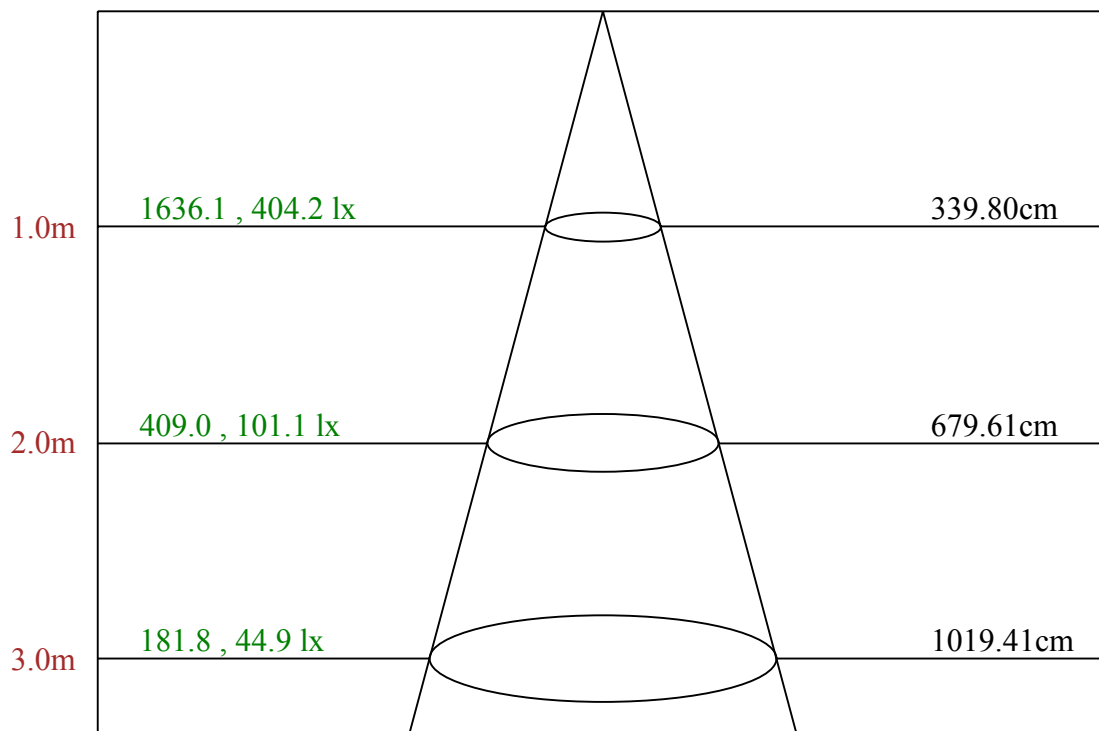
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1251.57	N.A.	23.33%
0-40	2060.73	N.A.	38.42%
0-60	3702.42	N.A.	69.03%
0-90	5075.26	N.A.	94.62%
0-120	5337.82	N.A.	99.52%
0-180	5363.76	N.A.	100.00%
60-90	1754.34	N.A.	32.71%
90-120	371.80	N.A.	6.93%
90-130	390.83	N.A.	7.29%
90-150	396.23	N.A.	7.39%
90-180	397.72	N.A.	7.41%
0-68.98	4291.01	N.A.	80.00%

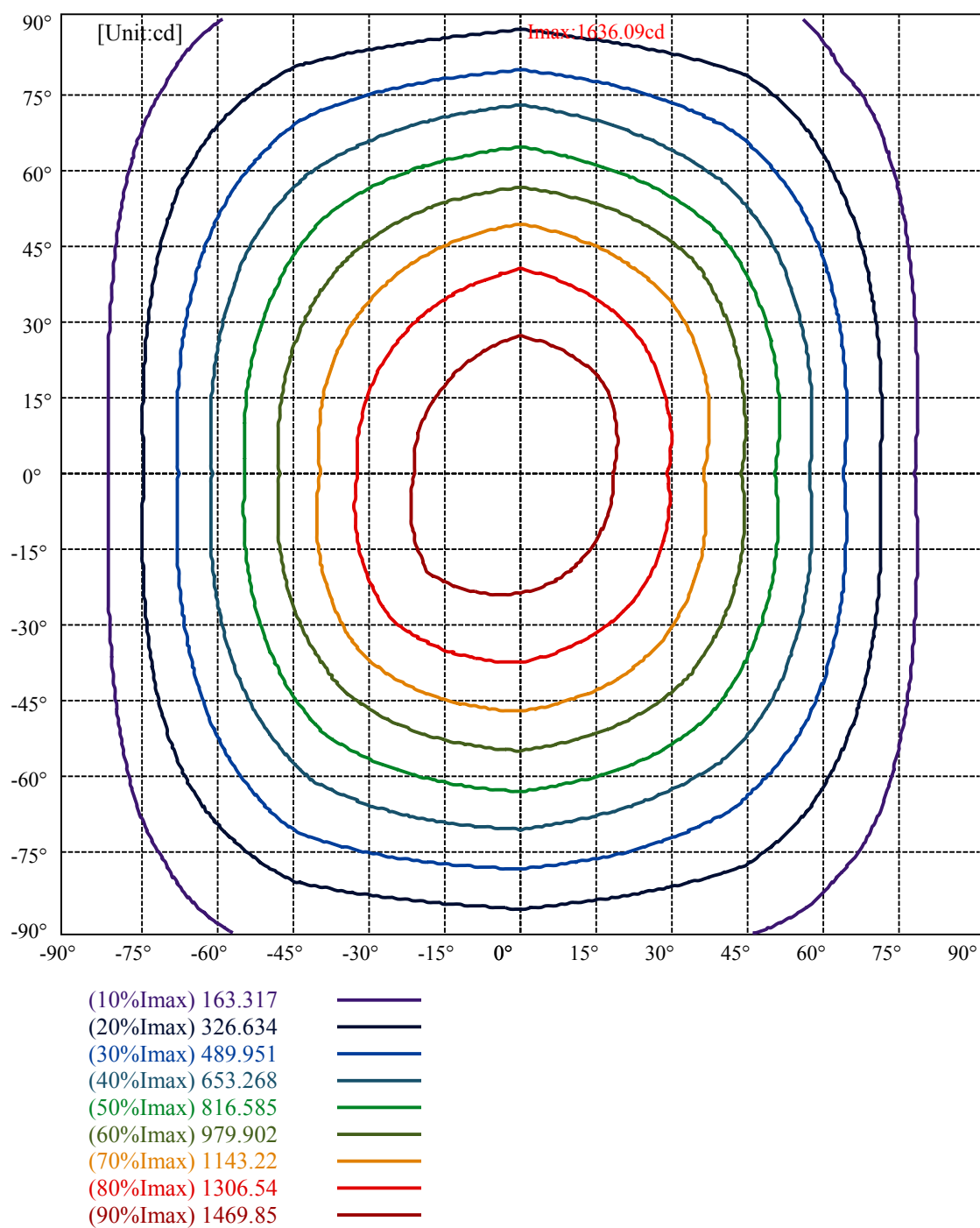
ZONAL LUMEN SUMMARY

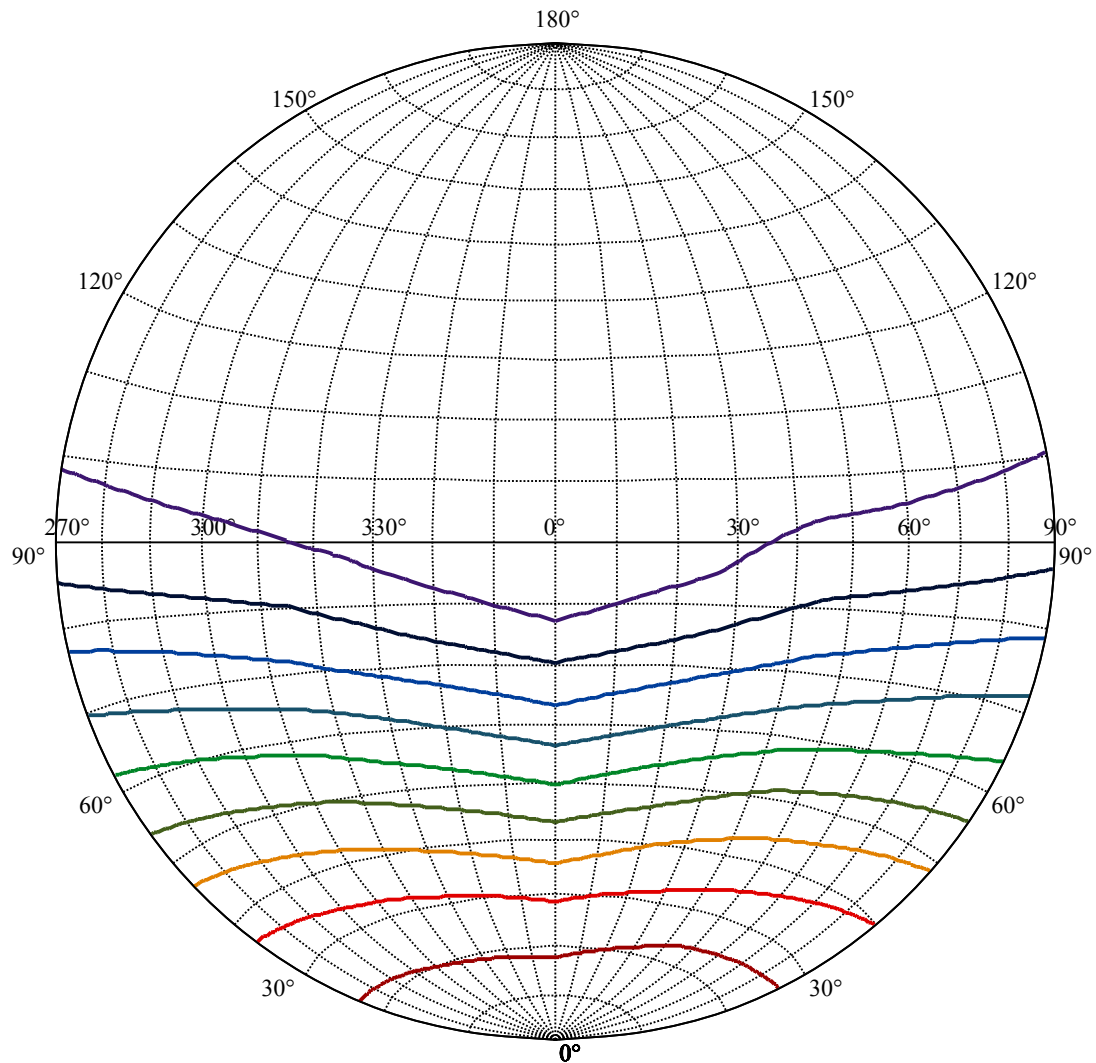
0-10	151.25
10-20	435.45
20-30	664.87
30-40	809.16
40-50	851.91
50-60	789.78
60-70	650.76
70-80	461.42
80-90	260.66
90-100	142.96
100-110	77.94
110-120	41.66
120-130	19.03
130-140	3.41
140-150	2.00
150-160	0.99
160-170	0.45
170-180	0.04





Max , Ave Beam angle of C45 plane 119.04





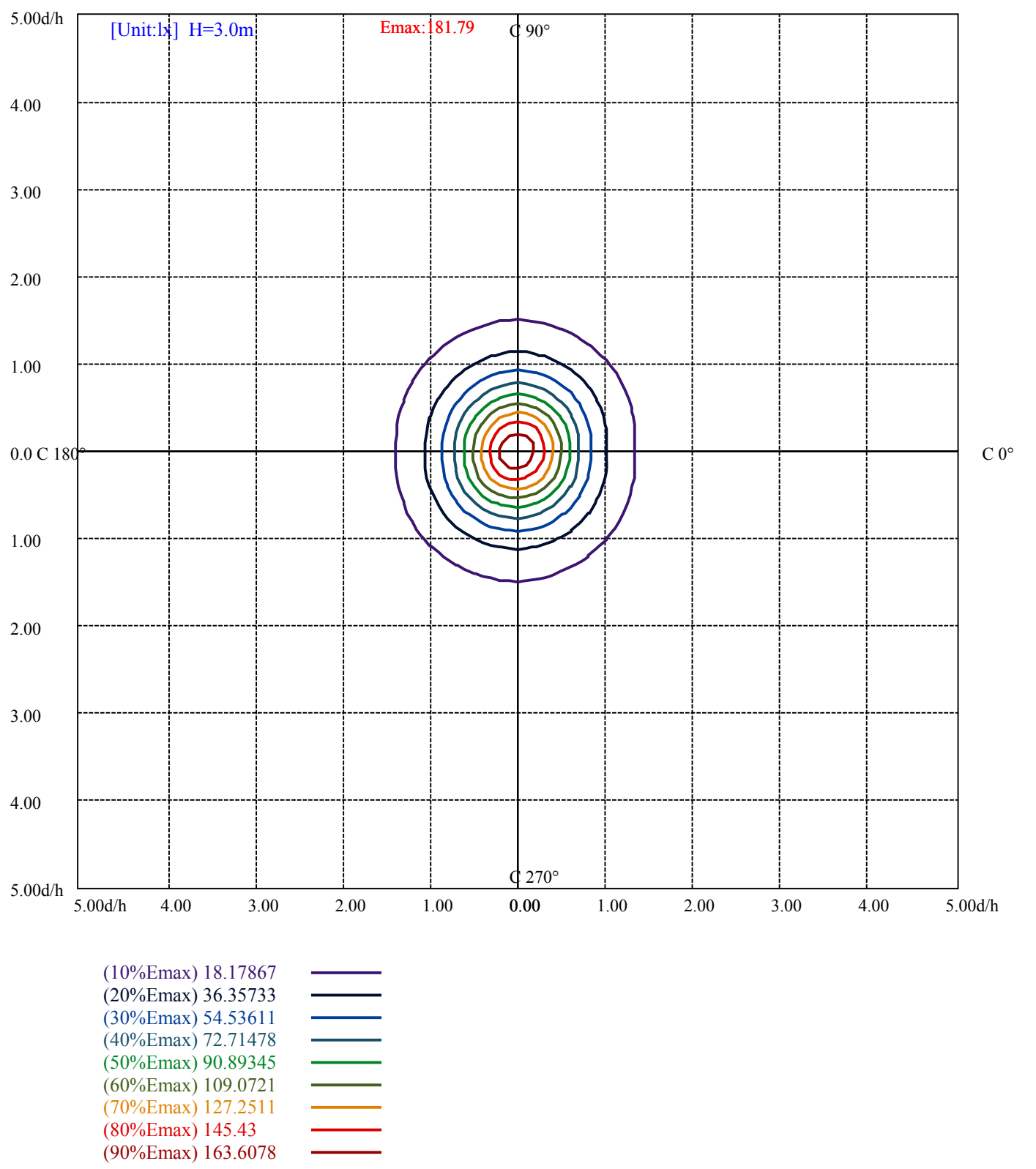
House

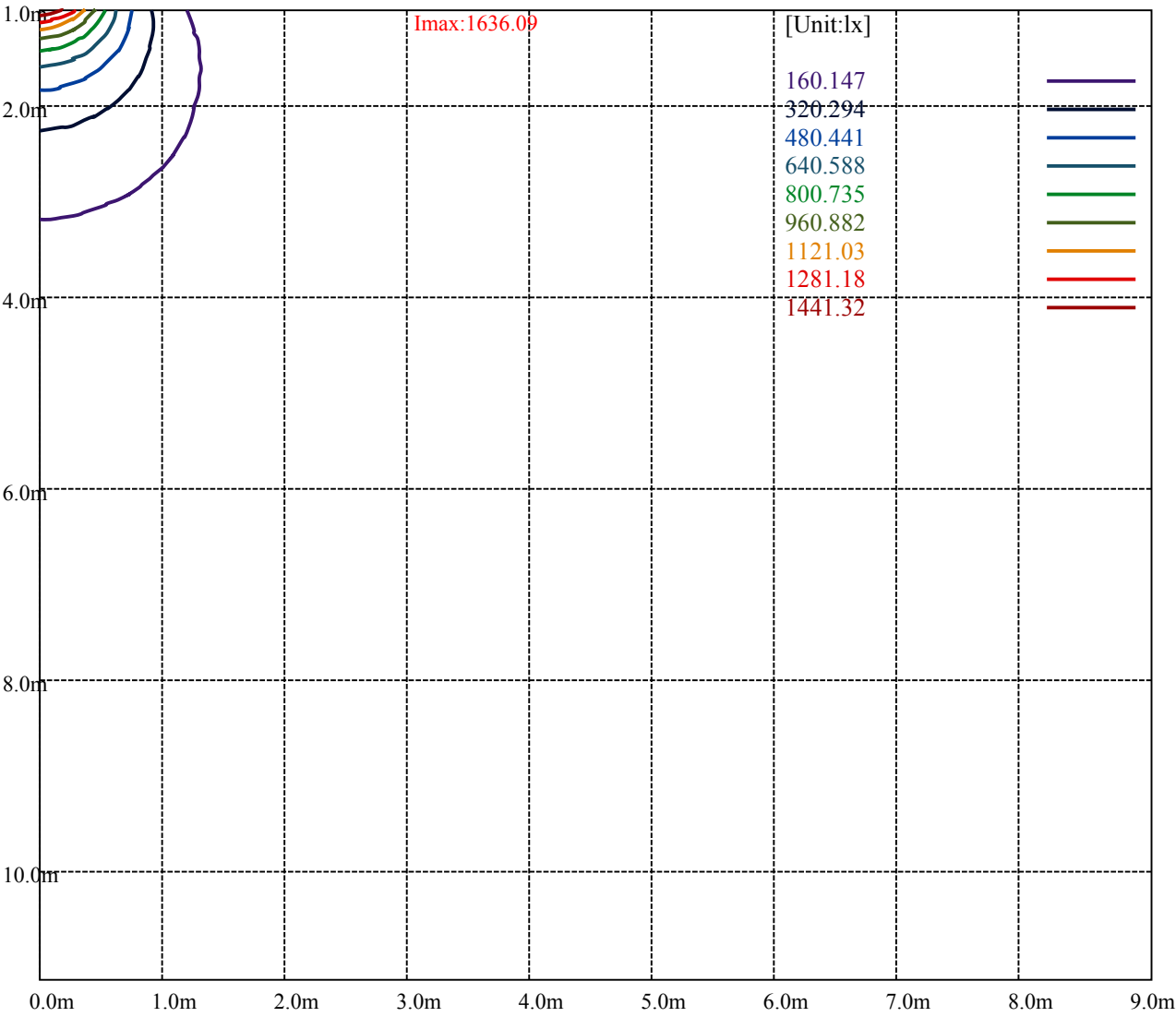
[Unit:cd]

Road

Imax:1636.09

(10%Imax)	163.609	
(20%Imax)	327.218	
(30%Imax)	490.826	
(40%Imax)	654.435	
(50%Imax)	818.044	
(60%Imax)	981.653	
(70%Imax)	1145.26	
(80%Imax)	1308.87	
(90%Imax)	1472.48	





Luminance Table

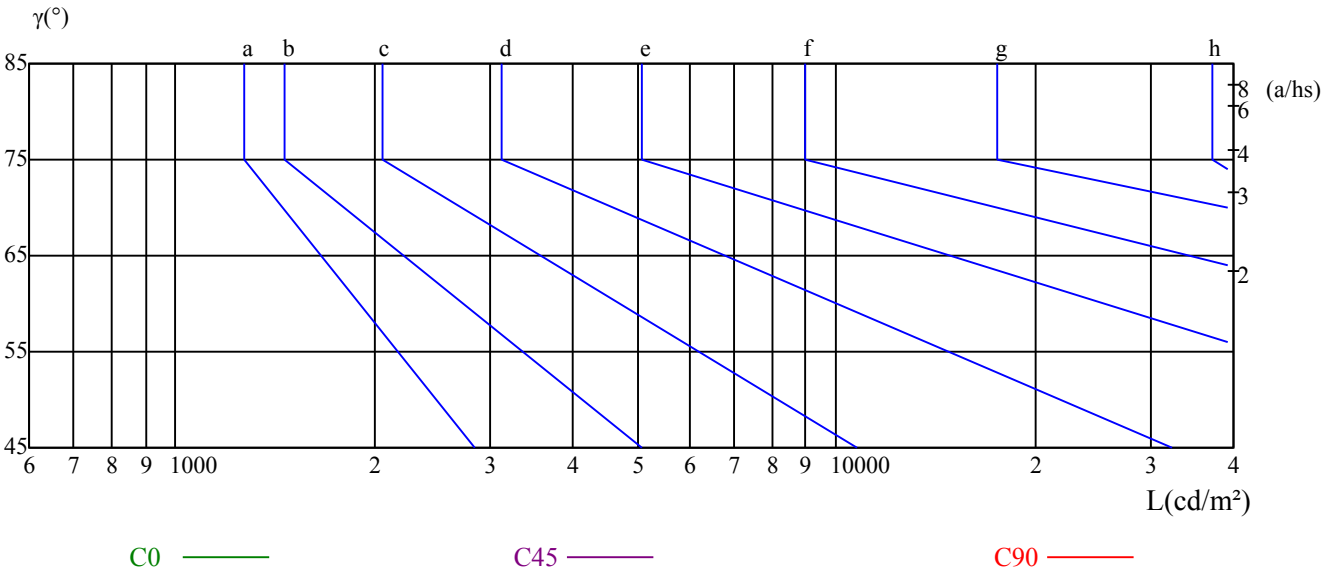
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

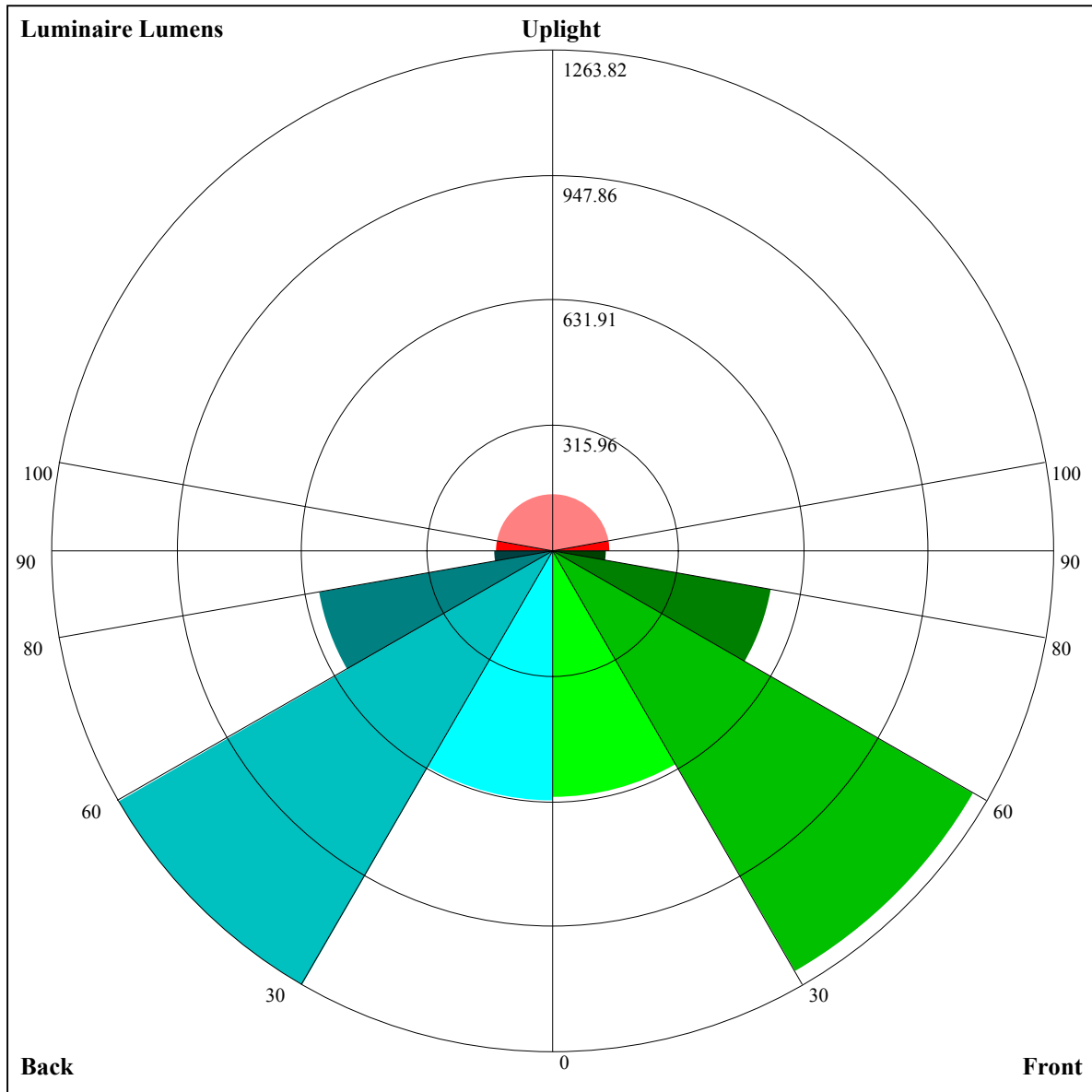
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





Luminaire Lumens:

FL=623.16,FM=1225.25,FH=560.71,FVH=136.59

BL=630.26,BM=1263.82,BH=601.14,BVH=147.94

UL=142.99,UH=145.72

BUG Rating:B2-U3-G2

Intensity data(cd)

C/ γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	1601.47	1588.28	1545.42	1512.45	1441.16	1372.34	1284.97	1160.10	1057.07
45.0	1636.09	1611.36	1584.57	1568.09	1512.04	1454.35	1387.17	1298.98	1228.51
90.0	1564.79	1568.09	1559.85	1555.73	1541.30	1490.20	1435.39	1375.22	1306.40
135.0	1589.11	1595.70	1572.21	1542.13	1498.03	1435.80	1376.46	1302.69	1219.44
180.0	1601.47	1595.70	1583.75	1534.30	1478.66	1415.20	1344.72	1243.76	1124.24
225.0	1636.09	1625.79	1612.19	1587.05	1538.42	1480.72	1437.04	1348.02	1259.00
270.0	1564.79	1559.43	1562.32	1528.94	1501.33	1454.35	1395.00	1336.89	1257.36
315.0	1589.11	1574.68	1562.73	1518.22	1467.95	1427.15	1355.85	1265.19	1174.52
360.0	1601.47	1588.28	1545.42	1512.45	1441.16	1372.34	1284.97	1160.10	1057.07

C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	936.73	810.63	693.59	560.47	450.03	334.22	204.41	108.39	28.02
45.0	1113.53	1019.57	899.64	774.77	656.08	548.93	442.61	351.12	254.27
90.0	1213.26	1120.53	1001.43	891.40	795.79	702.65	583.96	464.86	359.77
135.0	1118.89	1022.45	912.83	815.16	703.48	586.85	486.71	376.26	274.88
180.0	1031.11	912.83	787.14	661.03	536.98	413.76	294.25	172.68	76.65
225.0	1161.33	1038.52	929.31	826.29	708.01	607.45	510.61	383.68	276.94
270.0	1172.05	1076.03	961.05	863.38	757.05	644.96	549.35	423.24	330.51
315.0	1088.39	975.06	860.90	765.71	640.42	522.97	429.83	332.16	244.80
360.0	936.73	810.63	693.59	560.47	450.03	334.22	204.41	108.39	28.02

C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	8.24	25.96	0.00	0.00	0.00	5.36	0.00	7.01	0.82
45.0	202.76	146.71	109.62	76.24	58.93	40.80	25.96	9.89	9.07
90.0	271.58	208.53	166.49	134.35	101.79	73.36	59.76	42.86	16.48
135.0	209.35	168.14	105.09	80.36	63.05	41.62	25.14	7.83	6.59
180.0	32.56	4.12	9.89	0.00	0.00	0.00	11.95	0.00	0.00
225.0	206.47	155.37	124.87	86.96	58.52	42.86	34.62	28.44	17.31
270.0	250.15	194.52	149.18	125.69	92.73	79.54	56.87	52.34	42.45
315.0	164.43	132.70	107.97	72.12	53.99	49.87	29.26	20.61	0.00
360.0	8.24	25.96	0.00	0.00	0.00	5.36	0.00	7.01	0.82

C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00
45.0	0.00	0.00	9.89	0.00	0.00	3.30	0.00	0.00	1.65
90.0	9.07	0.00	10.71	0.00	0.00	4.12	0.00	0.00	2.06
135.0	0.00	1.24	1.24	0.00	10.30	0.00	1.24	0.00	0.00
180.0	0.00	0.00	2.06	0.00	0.00	11.13	13.60	0.00	0.00
225.0	0.82	2.47	2.88	7.83	0.00	0.00	0.00	0.00	0.00
270.0	10.30	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	11.13	8.65	3.30	0.00	0.00	0.00	5.77
360.0	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00

C/ γ (°)	180.0
0.0	0.00
45.0	0.00
90.0	0.00
135.0	0.00
180.0	0.00
225.0	0.00
270.0	0.00
315.0	0.00
360.0	0.00