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NT

Client: NT

LumCAT: 4-2757-A

Luminaire: 92.70.445.00 LED HOLDER

Report No: 20250408-B002

Ballast type: AC

Test No: 20250408-C002

Voltage(V): 35.400

LampCAT: BRIDGELUX V18

Current(A): 0.897

Lamp flux(lm): 4283.7

Power (W): 31.750

Number of Lamps: 1

PF: 0.000

Length(mm): 111

Width(mm): 111

Phm Type: C

Height(mm): 60

Photometric Results

Lumens(lm): 3856.73, Efficiency(%): 90.03% , Luminous Efficacy(lm/W): 121.47

Central intensity(cd): 15454.790, Maximum intensity(cd): 15540.060

Angle of maximum intensity: C=180.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=23.4

[C90/270]Total=23.0

Field angle(10%Imax): [C0/180]Total=45.0

[C90/270]Total=45.0

Maximum s/h(1/2): C0_180=0.45 C90_270=0.37

Maximum s/h(1/4): C0_180=0.42 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.96%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 100.032%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/4/8
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15469.448	0.000	0	0.00%	0.00%
1.0	15429.480	14.785	14.785	0.35%	0.38%
2.0	15303.582	44.111	58.896	1.03%	1.53%
3.0	15043.128	72.579	131.475	1.69%	3.41%
4.0	14641.454	99.364	230.839	2.32%	5.99%
5.0	14141.860	123.824	354.663	2.89%	9.20%
6.0	13175.913	143.562	498.225	3.35%	12.92%
7.0	12075.740	156.737	654.962	3.66%	16.98%
8.0	11265.666	167.050	822.012	3.90%	21.31%
9.0	10581.422	177.059	999.071	4.13%	25.90%
10.0	9427.627	181.075	1180.145	4.23%	30.60%
11.0	8374.084	177.876	1358.021	4.15%	35.21%
12.0	7275.244	171.070	1529.09	3.99%	39.65%
13.0	6231.959	160.296	1689.387	3.74%	43.80%
14.0	5235.569	146.783	1836.17	3.43%	47.61%
15.0	4289.605	130.766	1966.936	3.05%	51.00%
16.0	3549.207	114.861	2081.797	2.68%	53.98%
17.0	2917.321	100.701	2182.498	2.35%	56.59%
18.0	2522.309	89.688	2272.185	2.09%	58.91%
19.0	2328.800	84.399	2356.585	1.97%	61.10%
20.0	1966.228	78.611	2435.196	1.84%	63.14%
21.0	1737.014	71.110	2506.305	1.66%	64.99%
22.0	1613.781	67.336	2573.641	1.57%	66.73%
23.0	1518.126	65.716	2639.357	1.53%	68.44%
24.0	1451.513	64.927	2704.284	1.52%	70.12%
25.0	1401.753	64.877	2769.161	1.51%	71.80%
26.0	1361.786	65.234	2834.395	1.52%	73.49%
27.0	1331.011	65.880	2900.275	1.54%	75.20%
28.0	1306.697	66.781	2967.056	1.56%	76.93%
29.0	1287.313	67.867	3034.922	1.58%	78.69%
30.0	1268.728	69.013	3103.935	1.61%	80.48%
31.0	1251.542	70.135	3174.07	1.64%	82.30%
32.0	1235.689	71.256	3245.327	1.66%	84.15%
33.0	1218.569	72.303	3317.63	1.69%	86.02%
34.0	1177.542	72.513	3390.143	1.69%	87.90%
35.0	1117.764	71.284	3461.427	1.66%	89.75%
36.0	1065.127	69.504	3530.931	1.62%	91.55%
37.0	957.768	65.975	3596.906	1.54%	93.26%

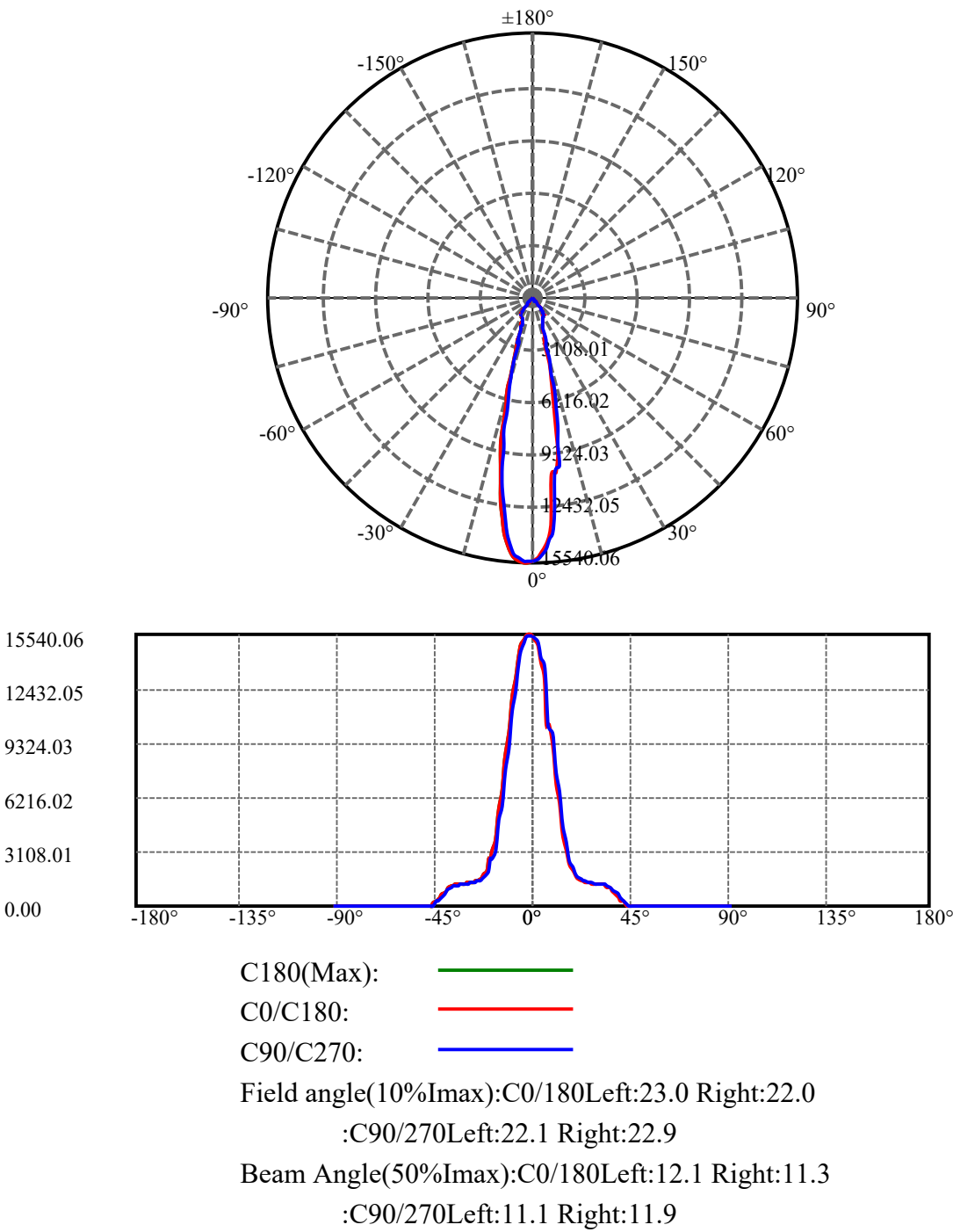
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	834.735	59.831	3656.738	1.40%	94.81%
39.0	702.888	52.483	3709.221	1.23%	96.18%
40.0	550.726	43.722	3752.943	1.02%	97.31%
41.0	414.743	34.380	3787.322	0.80%	98.20%
42.0	280.245	25.250	3812.573	0.59%	98.86%
43.0	196.427	17.657	3830.23	0.41%	99.31%
44.0	143.170	12.817	3843.047	0.30%	99.65%
45.0	38.262	6.973	3850.02	0.16%	99.83%
46.0	9.885	1.883	3851.903	0.04%	99.87%
47.0	5.862	0.626	3852.529	0.01%	99.89%
48.0	3.657	0.385	3852.914	0.01%	99.90%
49.0	2.764	0.264	3853.178	0.01%	99.91%
50.0	2.571	0.222	3853.4	0.01%	99.91%
51.0	2.345	0.208	3853.608	0.00%	99.92%
52.0	2.172	0.194	3853.802	0.00%	99.92%
53.0	2.038	0.183	3853.985	0.00%	99.93%
54.0	1.898	0.174	3854.159	0.00%	99.93%
55.0	1.785	0.164	3854.323	0.00%	99.94%
56.0	1.639	0.155	3854.478	0.00%	99.94%
57.0	1.505	0.144	3854.621	0.00%	99.95%
58.0	1.412	0.135	3854.756	0.00%	99.95%
59.0	1.312	0.127	3854.884	0.00%	99.95%
60.0	1.212	0.119	3855.003	0.00%	99.96%
61.0	1.126	0.112	3855.115	0.00%	99.96%
62.0	1.052	0.105	3855.22	0.00%	99.96%
63.0	0.979	0.099	3855.318	0.00%	99.96%
64.0	0.906	0.093	3855.411	0.00%	99.97%
65.0	0.839	0.086	3855.497	0.00%	99.97%
66.0	0.799	0.082	3855.579	0.00%	99.97%
67.0	0.739	0.077	3855.656	0.00%	99.97%
68.0	0.706	0.073	3855.73	0.00%	99.97%
69.0	0.639	0.069	3855.798	0.00%	99.98%
70.0	0.600	0.064	3855.862	0.00%	99.98%
71.0	0.553	0.060	3855.921	0.00%	99.98%
72.0	0.526	0.056	3855.978	0.00%	99.98%
73.0	0.493	0.053	3856.031	0.00%	99.98%
74.0	0.473	0.051	3856.082	0.00%	99.98%
75.0	0.446	0.049	3856.13	0.00%	99.98%

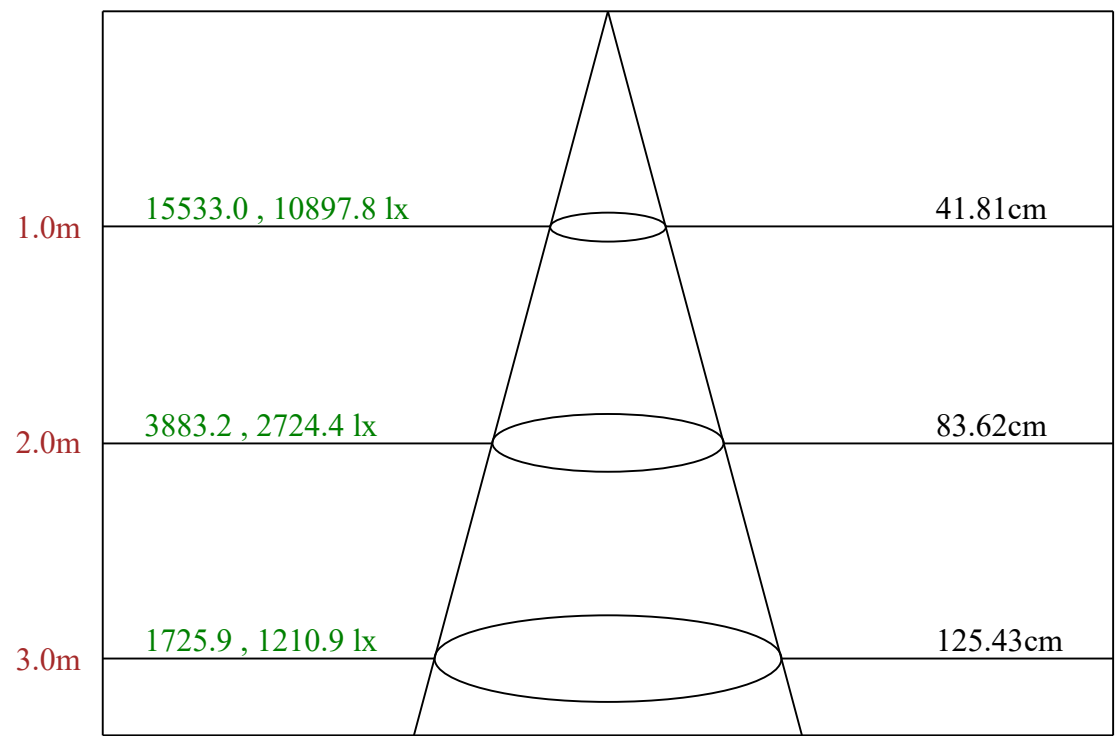
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.426	0.046	3856.177	0.00%	99.99%
77.0	0.413	0.045	3856.221	0.00%	99.99%
78.0	0.413	0.044	3856.265	0.00%	99.99%
79.0	0.393	0.043	3856.309	0.00%	99.99%
80.0	0.386	0.042	3856.351	0.00%	99.99%
81.0	0.366	0.041	3856.392	0.00%	99.99%
82.0	0.353	0.039	3856.431	0.00%	99.99%
83.0	0.353	0.038	3856.469	0.00%	99.99%
84.0	0.346	0.038	3856.507	0.00%	99.99%
85.0	0.346	0.038	3856.545	0.00%	100.00%
86.0	0.346	0.038	3856.583	0.00%	100.00%
87.0	0.333	0.037	3856.62	0.00%	100.00%
88.0	0.326	0.036	3856.656	0.00%	100.00%
89.0	0.346	0.037	3856.693	0.00%	100.00%
90.0	0.366	0.039	3856.732	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3103.93	72.46%	80.48%
0-40	3752.94	87.61%	97.31%
0-60	3855.00	89.99%	99.96%
0-90	3856.69	90.03%	100.00%
0-120	3856.69	90.03%	100.00%
0-180	3856.73	90.03%	100.00%
60-90	1.69	0.04%	0.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.73	3085.39	72.03%	80.00%

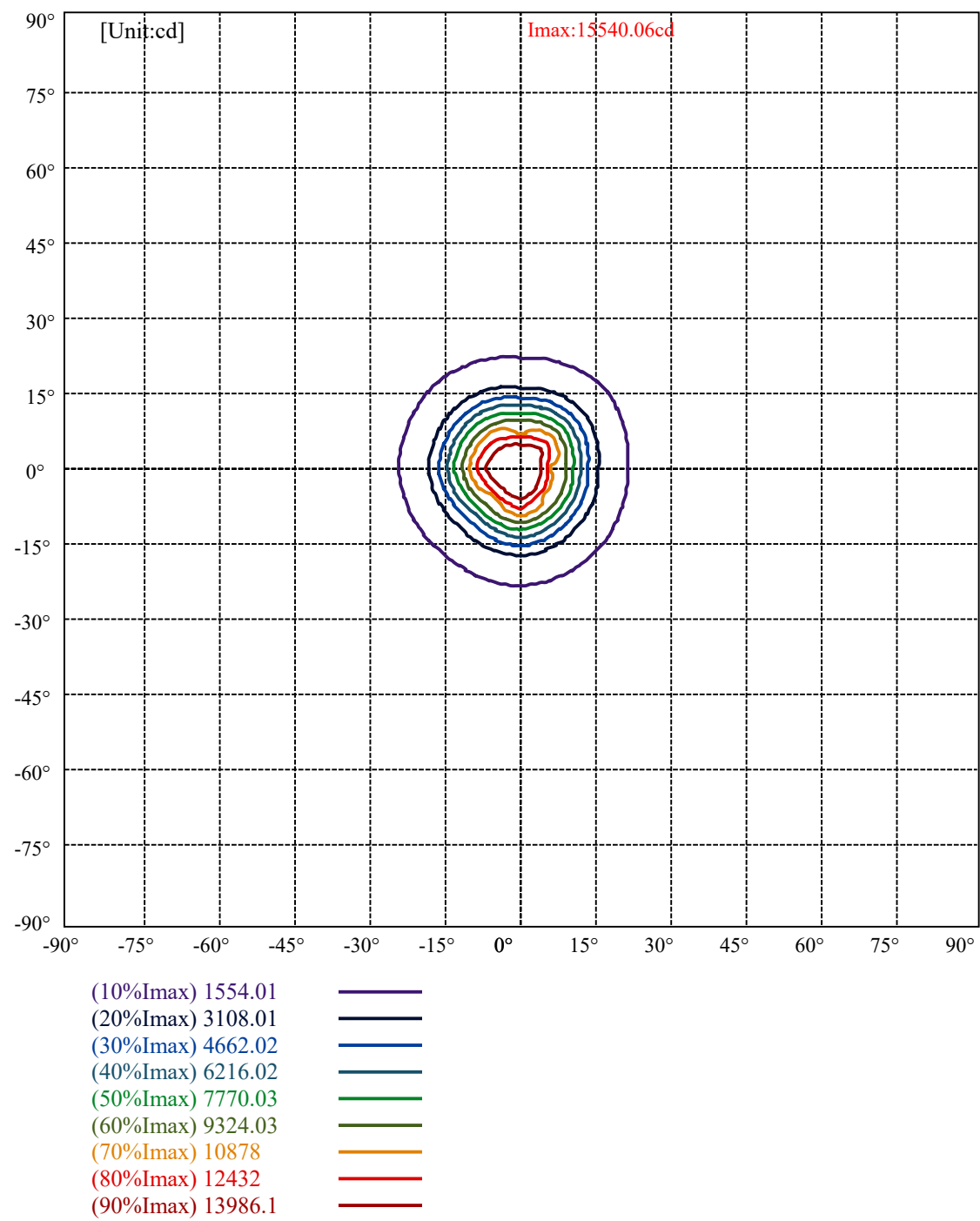
ZONAL LUMEN SUMMARY

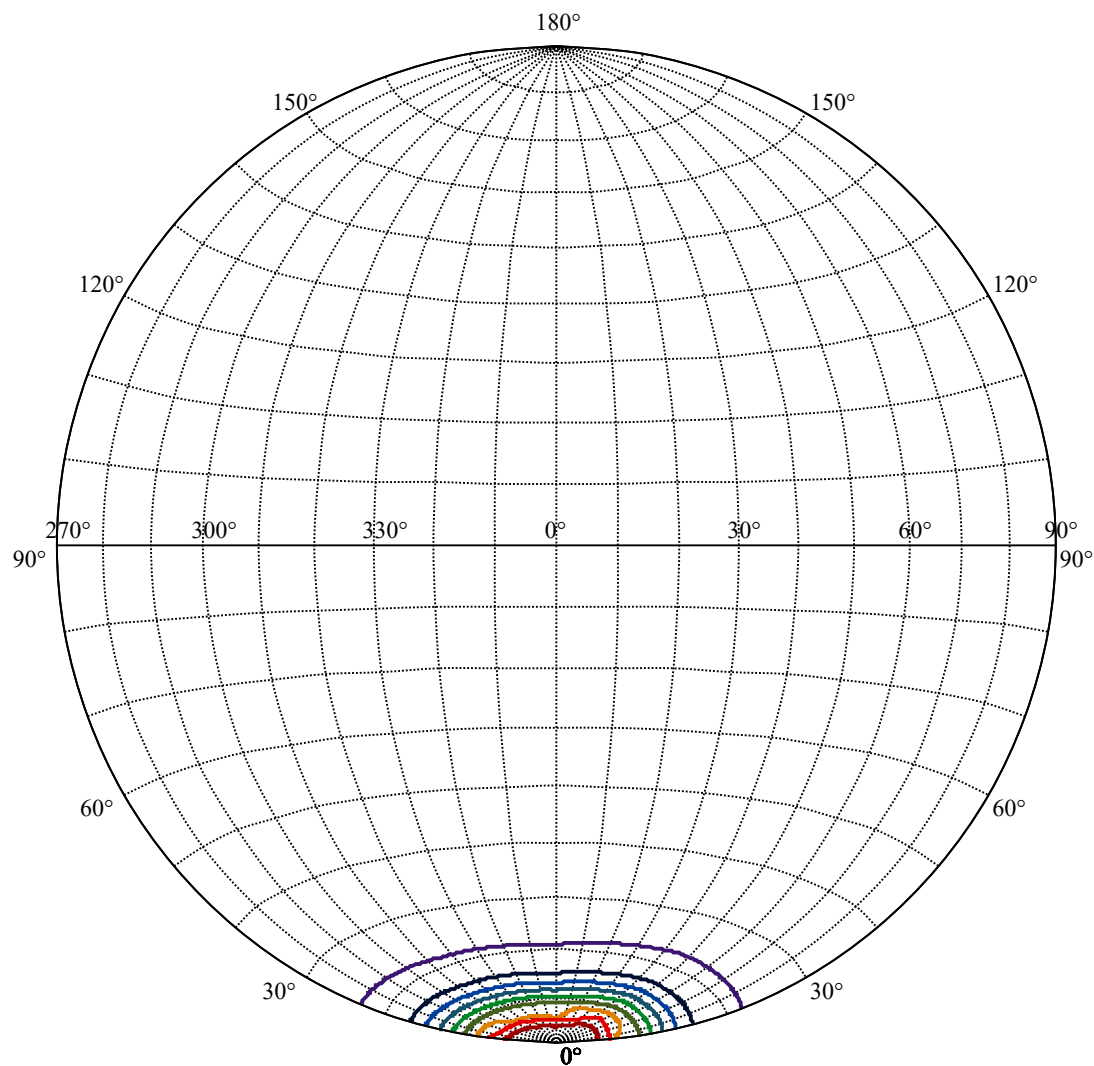
0-10	1180.15
10-20	1255.05
20-30	668.74
30-40	649.01
40-50	100.46
50-60	1.60
60-70	0.86
70-80	0.49
80-90	0.34
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C180 plane 23.61



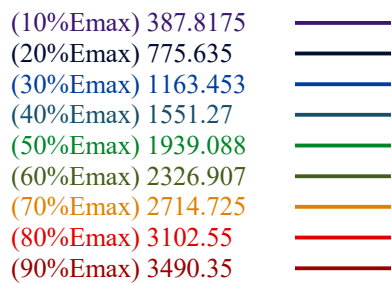


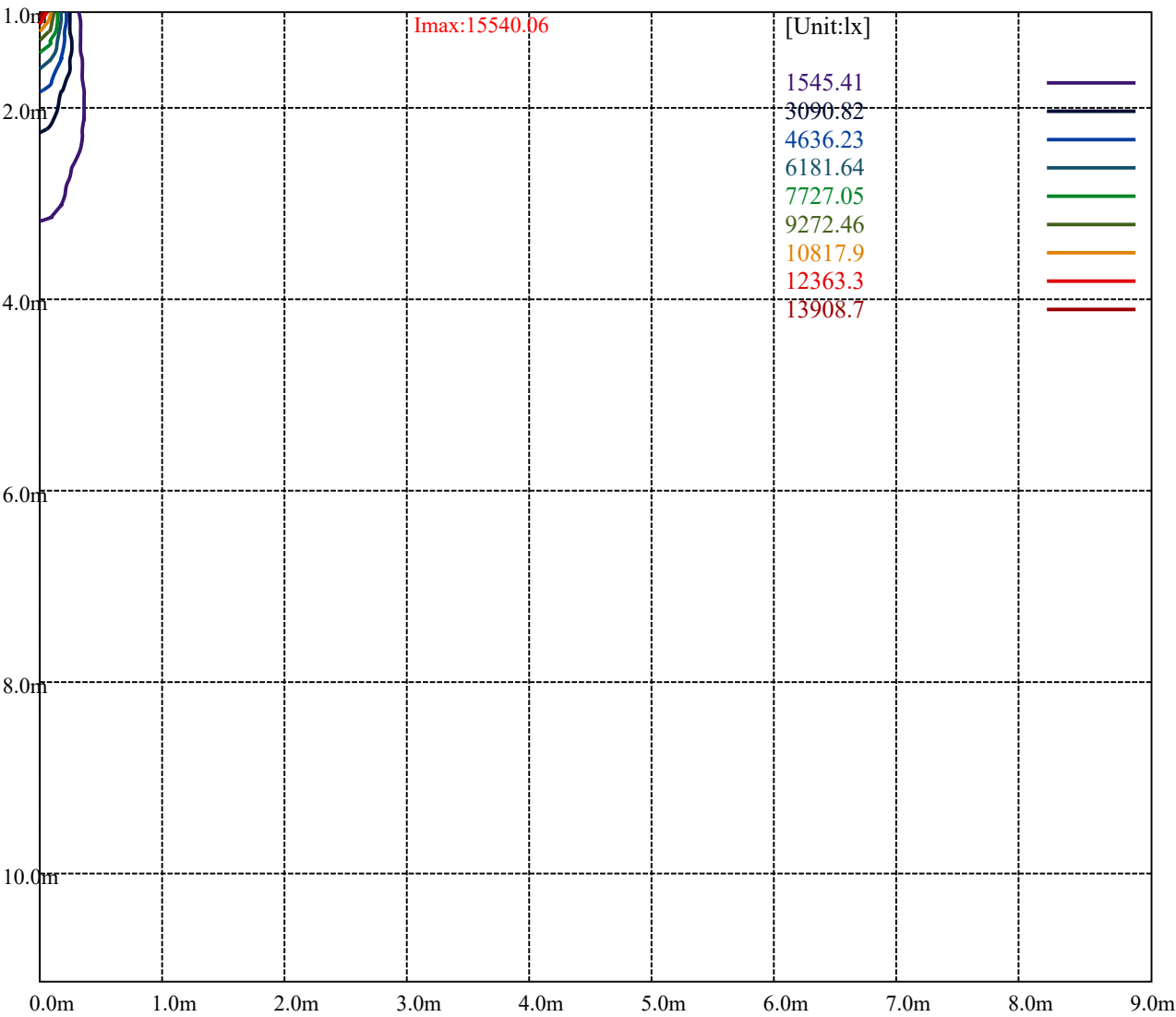
House

[Unit:cd]

Road

Imax:15540.06	
(10%Imax)	1553.94
(20%Imax)	3107.87
(30%Imax)	4661.81
(40%Imax)	6215.75
(50%Imax)	7769.68
(60%Imax)	9323.62
(70%Imax)	10877.6
(80%Imax)	12431.5
(90%Imax)	13985.4





Luminance Limiting Curve(no luminous side)

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Luminance Table

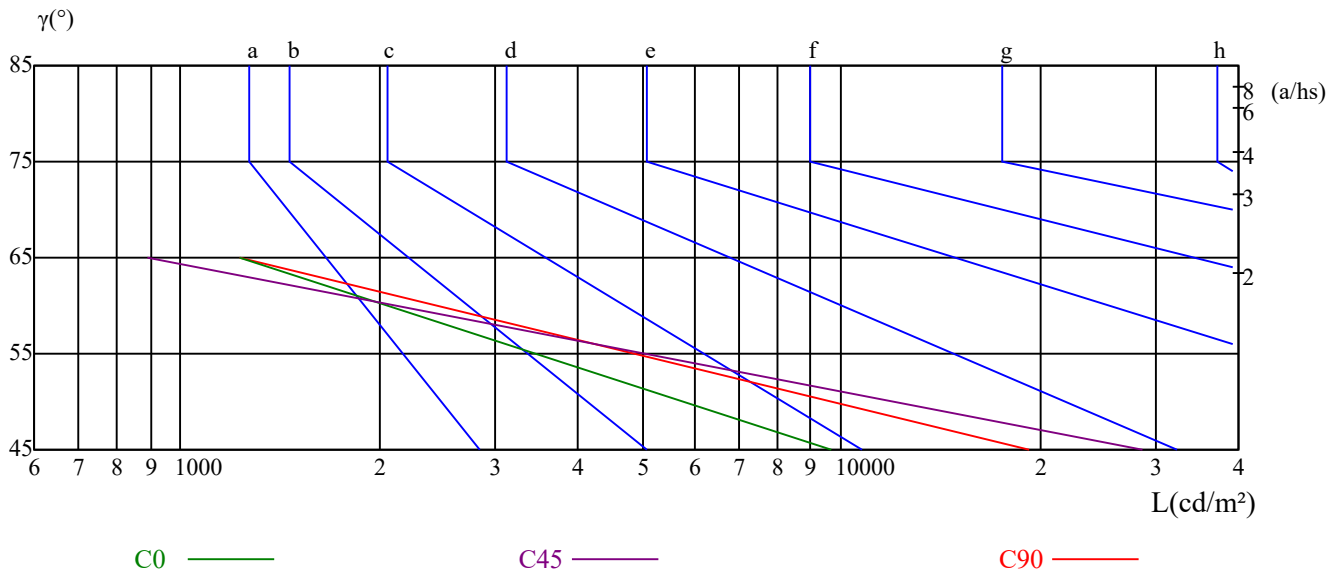
γ	45	50	55	60	65	70	75	80	85
C0	9650	0	0	0	1231	0	0	0	0
C45	28591	0	0	0	891	0	0	0	0
C90	19299	0	0	0	1231	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7816	7816	3908	0	0	0	0	0	0

Glare Table

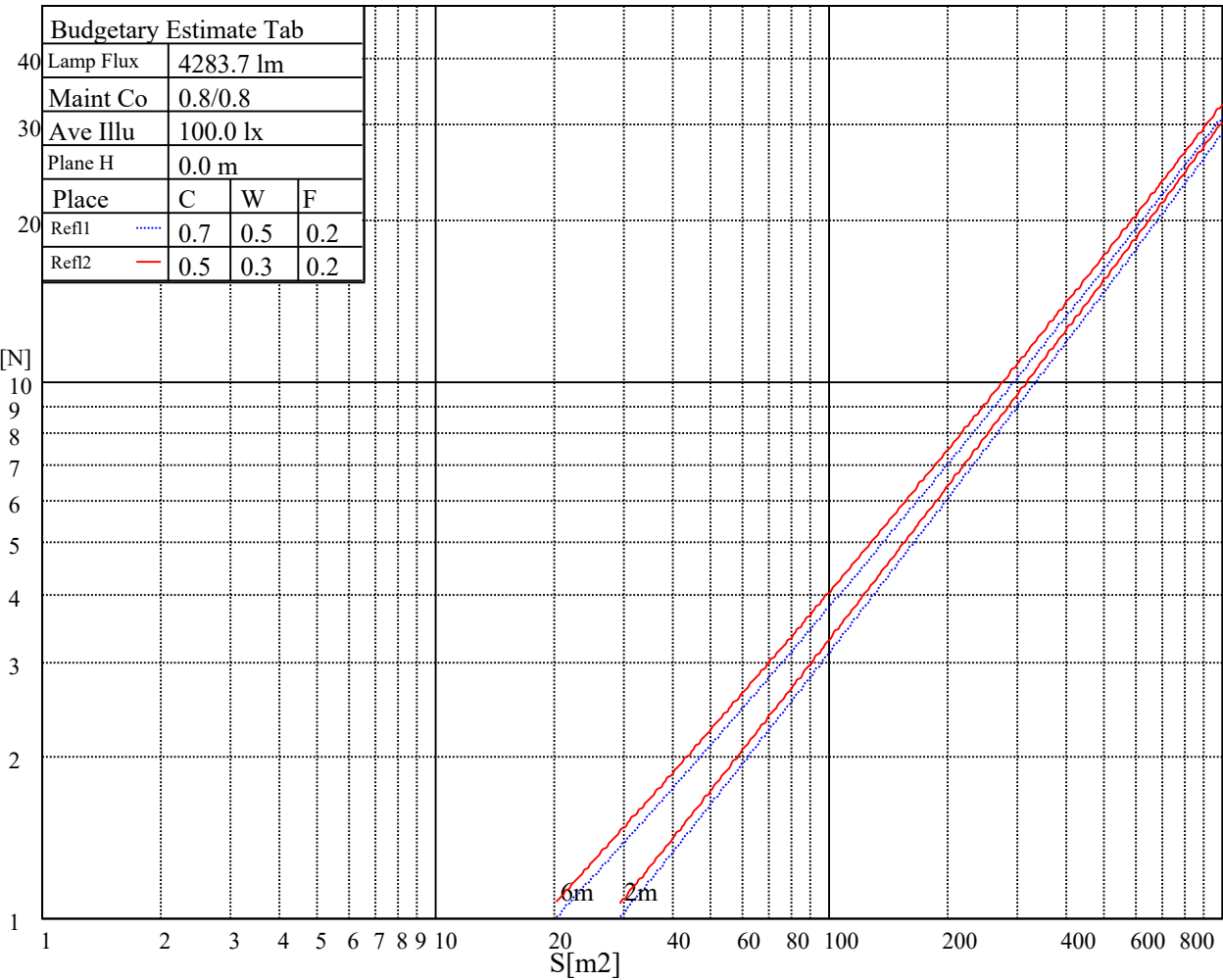
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

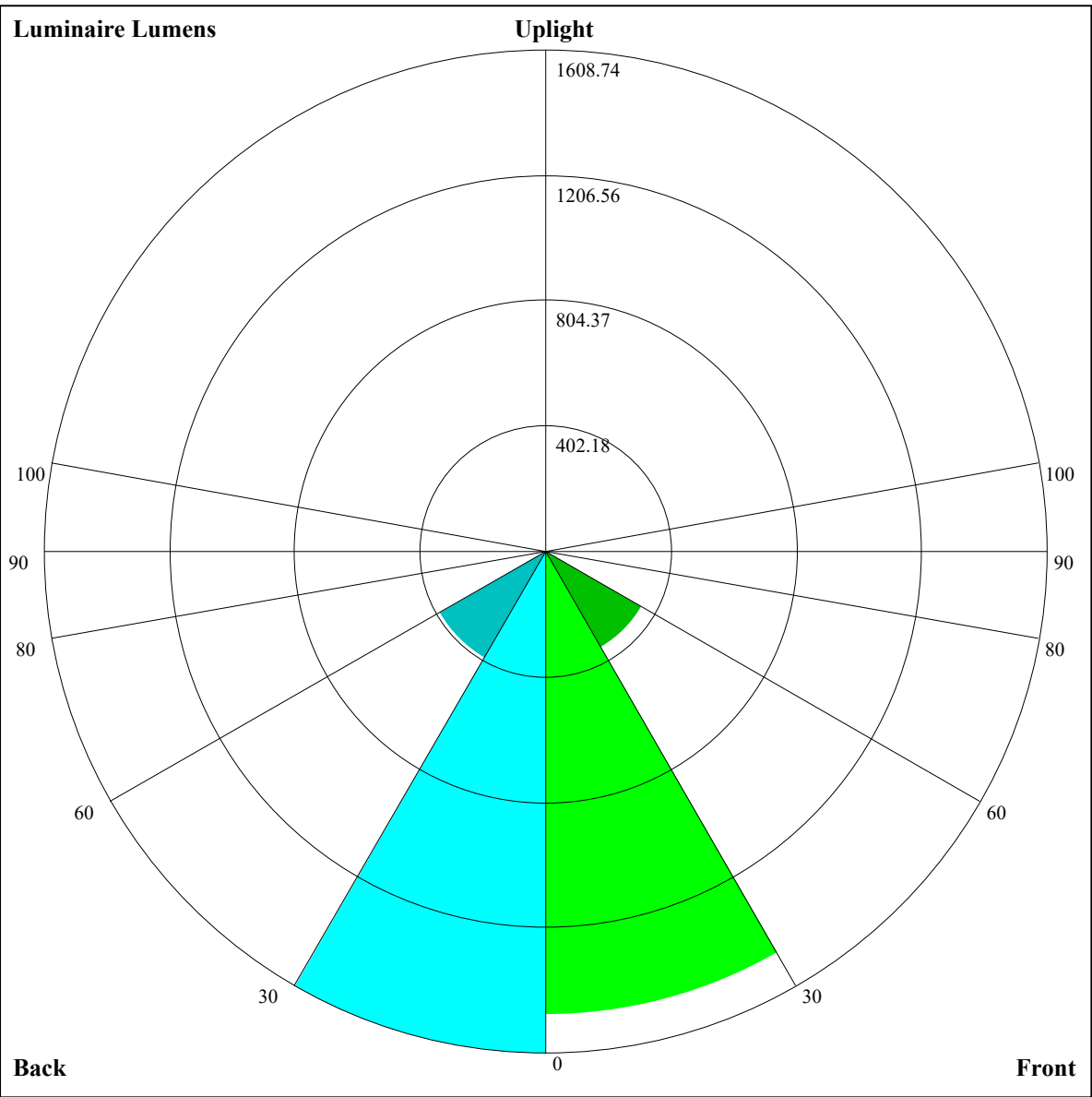


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	26.41	27.32	26.77	27.63	27.95	26.63	27.54	27.00	27.85	28.17
	3H	26.19	27.00	26.58	27.34	27.68	26.41	27.22	26.80	27.56	27.91
	4H	26.08	26.83	26.48	27.18	27.55	26.30	27.05	26.71	27.40	27.77
	6H	25.99	26.66	26.41	27.04	27.44	26.21	26.89	26.63	27.27	27.66
	8H	25.91	26.55	26.33	26.94	27.35	26.13	26.78	26.55	27.16	27.57
	12H	25.83	26.44	26.26	26.84	27.26	26.06	26.67	26.48	27.06	27.48
4H	2H	26.08	26.83	26.48	27.18	27.55	26.30	27.05	26.71	27.40	27.77
	3H	25.82	26.44	26.25	26.84	27.26	26.04	26.66	26.47	27.06	27.48
	4H	25.73	26.27	26.17	26.69	27.14	25.96	26.49	26.40	26.92	27.37
	6H	25.58	26.05	26.06	26.51	26.96	25.81	26.28	26.28	26.73	27.18
	8H	25.52	25.95	26.01	26.42	26.89	25.74	26.18	26.23	26.64	27.11
	12H	25.46	25.86	25.96	26.32	26.84	25.69	26.09	26.18	26.54	27.06
8H	4H	25.52	25.95	26.01	26.41	26.89	25.74	26.18	26.23	26.64	27.11
	6H	25.35	25.71	25.86	26.19	26.70	25.58	25.93	26.08	26.41	26.92
	8H	25.33	25.63	25.87	26.15	26.65	25.56	25.85	26.09	26.37	26.87
	12H	25.27	25.50	25.82	26.01	26.54	25.50	25.72	26.04	26.24	26.76
12H	4H	25.46	25.86	25.96	26.32	26.84	25.69	26.09	26.18	26.54	27.06
	6H	25.33	25.63	25.87	26.15	26.65	25.56	25.85	26.09	26.37	26.87
	8H	25.27	25.50	25.82	26.01	26.54	25.50	25.72	26.04	26.24	26.76
Variation with the observer position at spacings:											
S = 1.0H		4.7/-30.7					4.9/-30.9				
S = 1.5H		7.6/-30.9					7.7/-31.0				
S = 2.0H		9.6/-30.7					9.7/-30.8				
Standard tables:		BK0					BK0				
Uncorrected UGR		7.4					7.2				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.95	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.76	0.73	0.77	0.75	0.73	0.72
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.72	0.70	0.69
7	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
9	0.70	0.65	0.63	0.69	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59



Luminaire Lumens:

FL=1487.63,FM=354.36,FH=0.67,FVH=0.2

BL=1608.74,BM=393.01,BH=0.69,BVH=0.19

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

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C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	15454.79	15278.94	14980.51	14511.56	13856.09	13003.45	10524.93	10306.45	10306.45
45.0	15513.41	15465.45	15396.17	15087.09	14692.75	14378.33	13696.22	12832.92	11841.73
90.0	15449.46	15337.55	15113.74	14756.69	14223.79	13824.12	12625.09	10547.32	10102.35
135.0	15460.12	15454.79	15390.84	15209.66	14921.89	14474.26	13850.76	13056.74	12124.17
180.0	15454.79	15540.06	15534.73	15470.78	15278.94	14980.51	14500.90	13850.76	13030.10
225.0	15513.41	15486.77	15364.20	15108.41	14714.06	14143.86	13371.15	12459.89	10117.27
270.0	15449.46	15481.44	15444.13	15305.58	15039.13	14602.15	13978.66	13179.31	12230.75
315.0	15460.12	15390.84	15204.33	14895.25	14404.98	13728.20	12859.57	10372.53	10372.53
360.0	15454.79	15278.94	14980.51	14511.56	13856.09	13003.45	10524.93	10306.45	10306.45

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	9186.29	8061.87	6950.24	5879.65	4855.94	3942.55	3210.88	2679.58	2292.70
45.0	10759.94	9651.51	8532.42	7429.32	6342.20	5297.72	4327.84	3507.17	2894.34
90.0	9882.79	8759.44	7657.93	6572.42	5529.00	4544.20	3682.50	3025.43	2544.76
135.0	11506.00	10008.55	8905.45	8249.98	7157.54	6086.41	5068.57	4136.00	3368.62
180.0	12086.86	11037.05	9939.28	8830.85	7946.23	6640.63	5574.83	4775.48	3730.99
225.0	10117.27	8998.71	8333.65	6783.98	5720.84	5109.61	3846.10	3400.06	2818.67
270.0	11180.93	10088.49	8969.40	7855.64	6757.86	5702.72	4898.04	3826.91	3134.14
315.0	9931.28	8815.39	7704.30	6600.13	5546.05	4560.72	3708.08	3043.02	2554.35
360.0	9186.29	8061.87	6950.24	5879.65	4855.94	3942.55	3210.88	2679.58	2292.70

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2009.73	1802.96	1653.75	1548.77	1473.10	1417.14	1381.97	1347.86	1321.22
45.0	2697.17	2697.17	1931.39	1719.30	1619.64	1524.79	1454.44	1403.29	1364.38
90.0	2191.44	1936.19	1750.74	1619.11	1540.77	1453.91	1411.81	1370.25	1338.80
135.0	2798.42	2798.42	2085.40	1862.11	1700.64	1584.47	1498.67	1436.86	1398.49
180.0	3182.11	2665.19	2665.19	2012.39	1807.22	1659.08	1553.56	1475.76	1418.74
225.0	2390.22	2079.54	1855.72	1694.78	1579.14	1495.48	1433.66	1386.77	1350.00
270.0	2707.82	2707.82	2029.98	1817.35	1664.94	1555.69	1476.29	1417.14	1373.44
315.0	2201.57	1943.11	1757.66	1622.31	1524.79	1454.44	1401.69	1376.11	1329.21
360.0	2009.73	1802.96	1653.75	1548.77	1473.10	1417.14	1381.97	1347.86	1321.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1298.84	1279.65	1262.60	1246.08	1230.09	1213.04	1191.72	1018.05	1018.05
45.0	1333.48	1308.96	1288.18	1270.06	1253.01	1237.02	1220.50	1203.45	1172.54
90.0	1313.76	1292.98	1274.32	1257.27	1241.28	1225.30	1208.78	1173.61	1056.58
135.0	1360.65	1325.48	1306.30	1285.51	1266.86	1250.34	1233.29	1216.77	1197.05
180.0	1376.64	1344.13	1318.55	1304.70	1284.98	1267.40	1250.88	1234.36	1217.84
225.0	1321.75	1298.30	1278.05	1261.00	1244.48	1227.96	1211.44	1192.79	1054.50
270.0	1339.34	1313.23	1299.37	1271.66	1254.61	1243.95	1228.49	1205.05	1194.39
315.0	1303.63	1290.84	1271.13	1253.54	1237.02	1220.50	1203.45	1176.27	1031.16
360.0	1298.84	1279.65	1262.60	1246.08	1230.09	1213.04	1191.72	1018.05	1018.05

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	893.51	752.61	608.57	520.75	320.17	244.49	131.63	23.87	11.88
45.0	1087.28	975.37	896.50	697.73	551.18	463.25	267.68	267.68	154.70
90.0	1008.35	880.30	737.00	648.70	494.21	294.53	219.13	109.03	33.68
135.0	1138.97	1041.45	914.62	776.60	636.98	495.22	356.67	330.02	330.02
180.0	1197.59	1132.57	1032.39	912.48	773.40	628.98	485.63	343.88	290.06
225.0	1054.50	959.06	822.69	677.16	528.74	382.25	245.19	130.13	42.10
270.0	1156.55	1069.16	954.05	820.83	673.75	522.40	375.32	266.61	266.61
315.0	984.27	851.63	712.06	568.87	427.39	286.81	160.72	100.19	16.31
360.0	893.51	752.61	608.57	520.75	320.17	244.49	131.63	23.87	11.88

Intensity data(cd)

Appendix Page: 18 Total:19

C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	7.03	3.57	2.82	2.56	2.34	2.24	2.08	1.87	1.76
45.0	21.85	9.38	5.54	2.98	2.66	2.34	2.18	2.08	1.92
90.0	11.03	6.71	3.36	2.88	2.72	2.50	2.29	2.13	2.03
135.0	56.91	13.86	8.42	4.85	3.46	3.09	2.88	2.61	2.45
180.0	155.98	20.36	11.30	6.77	2.98	2.77	2.45	2.29	2.13
225.0	11.99	7.25	3.73	2.77	2.34	2.24	2.03	1.92	1.81
270.0	30.32	11.30	8.37	3.36	2.82	2.77	2.45	2.29	2.13
315.0	10.98	6.66	3.36	3.09	2.77	2.61	2.40	2.18	2.08
360.0	7.03	3.57	2.82	2.56	2.34	2.24	2.08	1.87	1.76
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.71	1.55	1.39	1.28	1.23	1.12	1.12	1.01	0.96
45.0	1.76	1.71	1.55	1.44	1.33	1.28	1.17	1.12	1.01
90.0	1.87	1.71	1.60	1.44	1.44	1.28	1.17	1.12	1.07
135.0	2.24	2.13	1.97	1.87	1.71	1.55	1.44	1.33	1.23
180.0	1.97	1.92	1.76	1.60	1.44	1.39	1.28	1.17	1.07
225.0	1.65	1.60	1.44	1.33	1.28	1.17	1.07	0.96	0.91
270.0	2.08	1.87	1.76	1.60	1.49	1.39	1.23	1.17	1.12
315.0	1.92	1.81	1.65	1.49	1.39	1.33	1.23	1.12	1.07
360.0	1.71	1.55	1.39	1.28	1.23	1.12	1.12	1.01	0.96
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.91	0.80	0.80	0.75	0.69	0.64	0.59	0.53	0.53
45.0	0.96	0.85	0.80	0.80	0.75	0.69	0.64	0.59	0.59
90.0	1.01	0.91	0.80	0.75	0.75	0.75	0.64	0.59	0.53
135.0	1.12	1.12	1.07	1.01	0.85	0.85	0.80	0.75	0.64
180.0	1.01	0.96	0.85	0.80	0.75	0.75	0.69	0.64	0.59
225.0	0.85	0.75	0.75	0.69	0.64	0.53	0.53	0.53	0.48
270.0	1.01	0.96	0.85	0.85	0.80	0.75	0.64	0.59	0.53
315.0	0.96	0.91	0.80	0.75	0.69	0.69	0.59	0.59	0.53
360.0	0.91	0.80	0.80	0.75	0.69	0.64	0.59	0.53	0.53
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.48	0.48	0.43	0.43	0.43	0.43	0.43	0.43	0.43
45.0	0.53	0.48	0.48	0.48	0.48	0.43	0.43	0.37	0.37
90.0	0.59	0.48	0.53	0.43	0.43	0.43	0.43	0.43	0.43
135.0	0.59	0.59	0.59	0.53	0.48	0.48	0.48	0.43	0.43
180.0	0.53	0.48	0.48	0.48	0.43	0.37	0.43	0.43	0.37
225.0	0.43	0.43	0.37	0.37	0.37	0.37	0.32	0.32	0.32
270.0	0.53	0.53	0.48	0.43	0.43	0.43	0.43	0.37	0.37
315.0	0.53	0.48	0.43	0.43	0.37	0.37	0.37	0.37	0.37
360.0	0.48	0.48	0.43	0.43	0.43	0.43	0.43	0.43	0.43
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.37	0.37	0.43	0.37	0.43	0.43	0.37	0.37	0.53
45.0	0.43	0.37	0.37	0.37	0.37	0.37	0.37	0.32	0.37
90.0	0.43	0.43	0.43	0.37	0.43	0.43	0.43	0.37	0.43
135.0	0.43	0.37	0.37	0.43	0.37	0.37	0.37	0.37	0.32
180.0	0.32	0.32	0.32	0.32	0.27	0.32	0.27	0.32	0.27
225.0	0.27	0.32	0.32	0.32	0.27	0.27	0.27	0.27	0.27
270.0	0.37	0.32	0.32	0.32	0.37	0.32	0.32	0.32	0.32
315.0	0.32	0.32	0.27	0.27	0.27	0.27	0.27	0.27	0.27
360.0	0.37	0.37	0.43	0.37	0.43	0.43	0.37	0.37	0.53

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.59
45.0	0.37
90.0	0.43
135.0	0.37
180.0	0.21
225.0	0.27
270.0	0.37
315.0	0.32
360.0	0.59