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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.411.00

Report No: 2024829-B027

Ballast type: AC

Test No: 2024829-C027

Voltage(V): 35.030

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.598

Lamp flux(lm): 3408.0

Power (W): 20.940

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3198.78, Efficiency(%): 93.86% , Luminous Efficacy(lm/W): 152.76

Central intensity(cd): 15251.510, Maximum intensity(cd): 15251.510

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.8

[C90/270]Total=18.8

Field angle(10%Imax): [C0/180]Total=50.2

[C90/270]Total=50.2

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

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

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.86%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.250%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15251.509	0.000	0	0.00%	0.00%
1.0	15137.987	14.541	14.541	0.43%	0.45%
2.0	14820.404	42.999	57.54	1.26%	1.80%
3.0	14041.527	69.028	126.568	2.03%	3.96%
4.0	13372.899	91.765	218.333	2.69%	6.83%
5.0	12587.503	111.680	330.013	3.28%	10.32%
6.0	11397.022	126.045	456.058	3.70%	14.26%
7.0	10038.840	133.052	589.11	3.90%	18.42%
8.0	9148.345	137.319	726.429	4.03%	22.71%
9.0	8006.235	139.029	865.458	4.08%	27.06%
10.0	7070.064	136.435	1001.893	4.00%	31.32%
11.0	6165.936	132.255	1134.148	3.88%	35.46%
12.0	5405.751	126.495	1260.643	3.71%	39.41%
13.0	4780.119	120.881	1381.524	3.55%	43.19%
14.0	4281.045	115.982	1497.506	3.40%	46.81%
15.0	3841.931	111.516	1609.021	3.27%	50.30%
16.0	3475.873	107.226	1716.248	3.15%	53.65%
17.0	3155.439	103.267	1819.515	3.03%	56.88%
18.0	2938.421	100.475	1919.99	2.95%	60.02%
19.0	2649.781	97.223	2017.213	2.85%	63.06%
20.0	2379.524	92.050	2109.263	2.70%	65.94%
21.0	2221.219	88.344	2197.607	2.59%	68.70%
22.0	2024.359	85.317	2282.923	2.50%	71.37%
23.0	1827.302	80.818	2363.742	2.37%	73.90%
24.0	1670.108	76.466	2440.208	2.24%	76.29%
25.0	1534.431	72.864	2513.072	2.14%	78.56%
26.0	1407.085	69.435	2582.507	2.04%	80.73%
27.0	1309.549	66.463	2648.97	1.95%	82.81%
28.0	1186.907	63.205	2712.175	1.85%	84.79%
29.0	1076.973	59.229	2771.404	1.74%	86.64%
30.0	963.661	55.097	2826.501	1.62%	88.36%
31.0	861.861	50.802	2877.302	1.49%	89.95%
32.0	743.615	45.995	2923.297	1.35%	91.39%
33.0	626.512	40.364	2963.662	1.18%	92.65%
34.0	522.885	34.784	2998.446	1.02%	93.74%
35.0	424.633	29.426	3027.872	0.86%	94.66%
36.0	350.651	24.685	3052.558	0.72%	95.43%
37.0	260.414	19.930	3072.487	0.58%	96.05%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	190.368	15.047	3087.534	0.44%	96.52%
39.0	150.375	11.630	3099.164	0.34%	96.89%
40.0	129.383	9.757	3108.921	0.29%	97.19%
41.0	78.929	7.418	3116.339	0.22%	97.42%
42.0	64.297	5.204	3121.543	0.15%	97.59%
43.0	56.656	4.480	3126.023	0.13%	97.73%
44.0	51.334	4.076	3130.099	0.12%	97.85%
45.0	47.070	3.782	3133.881	0.11%	97.97%
46.0	43.423	3.539	3137.42	0.10%	98.08%
47.0	39.829	3.311	3140.731	0.10%	98.19%
48.0	36.932	3.103	3143.834	0.09%	98.28%
49.0	34.396	2.929	3146.763	0.09%	98.37%
50.0	32.392	2.785	3149.548	0.08%	98.46%
51.0	30.657	2.667	3152.215	0.08%	98.54%
52.0	29.409	2.577	3154.793	0.08%	98.62%
53.0	28.436	2.516	3157.309	0.07%	98.70%
54.0	27.852	2.481	3159.79	0.07%	98.78%
55.0	27.569	2.474	3162.264	0.07%	98.86%
56.0	27.405	2.484	3164.748	0.07%	98.94%
57.0	27.319	2.502	3167.25	0.07%	99.01%
58.0	27.227	2.522	3169.772	0.07%	99.09%
59.0	26.866	2.529	3172.301	0.07%	99.17%
60.0	26.176	2.506	3174.807	0.07%	99.25%
61.0	25.184	2.451	3177.258	0.07%	99.33%
62.0	23.436	2.343	3179.601	0.07%	99.40%
63.0	21.406	2.181	3181.782	0.06%	99.47%
64.0	19.113	1.988	3183.77	0.06%	99.53%
65.0	16.491	1.762	3185.532	0.05%	99.59%
66.0	14.047	1.524	3187.056	0.04%	99.63%
67.0	11.938	1.307	3188.362	0.04%	99.67%
68.0	10.026	1.113	3189.475	0.03%	99.71%
69.0	8.397	0.940	3190.415	0.03%	99.74%
70.0	7.306	0.806	3191.221	0.02%	99.76%
71.0	6.603	0.719	3191.94	0.02%	99.79%
72.0	6.018	0.656	3192.597	0.02%	99.81%
73.0	5.624	0.609	3193.205	0.02%	99.83%
74.0	5.256	0.572	3193.777	0.02%	99.84%
75.0	4.941	0.539	3194.316	0.02%	99.86%

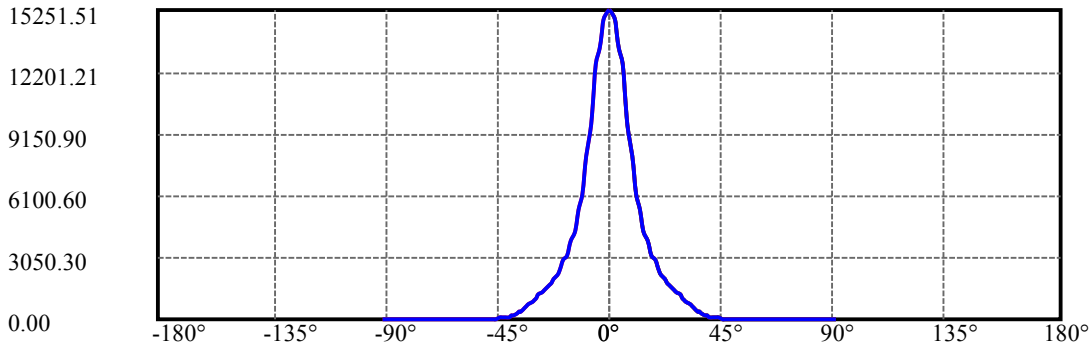
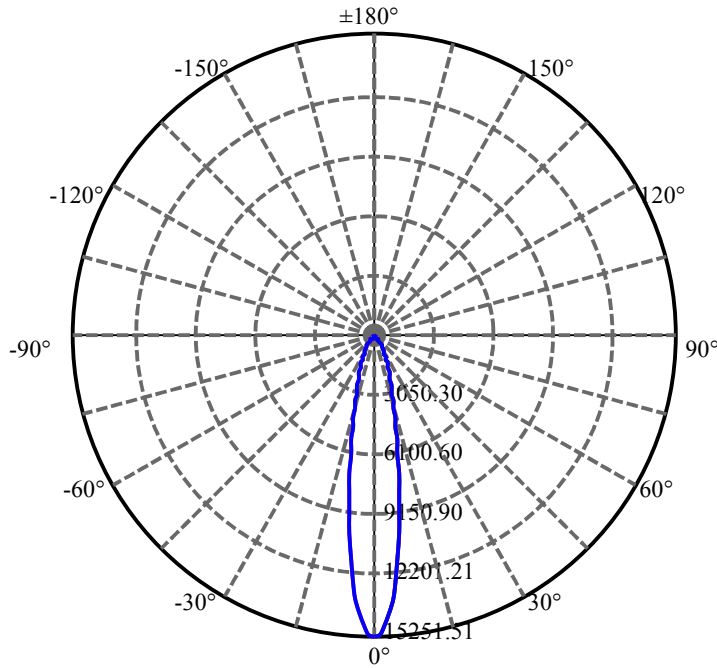
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.665	0.510	3194.826	0.01%	99.88%
77.0	4.396	0.483	3195.309	0.01%	99.89%
78.0	4.100	0.455	3195.764	0.01%	99.91%
79.0	3.752	0.422	3196.186	0.01%	99.92%
80.0	3.469	0.389	3196.575	0.01%	99.93%
81.0	3.160	0.359	3196.934	0.01%	99.94%
82.0	2.825	0.325	3197.258	0.01%	99.95%
83.0	2.516	0.290	3197.549	0.01%	99.96%
84.0	2.208	0.257	3197.806	0.01%	99.97%
85.0	1.912	0.225	3198.031	0.01%	99.98%
86.0	1.649	0.195	3198.225	0.01%	99.98%
87.0	1.439	0.169	3198.394	0.00%	99.99%
88.0	1.229	0.146	3198.541	0.00%	99.99%
89.0	1.091	0.127	3198.668	0.00%	100.00%
90.0	1.032	0.116	3198.784	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2826.50	82.94%	88.36%
0-40	3108.92	91.22%	97.19%
0-60	3174.81	93.16%	99.25%
0-90	3198.67	93.86%	100.00%
0-120	3198.67	93.86%	100.00%
0-180	3198.78	93.86%	100.00%
60-90	23.86	0.70%	0.75%
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%
0-25.66	2559.03	75.09%	80.00%

ZONAL LUMEN SUMMARY

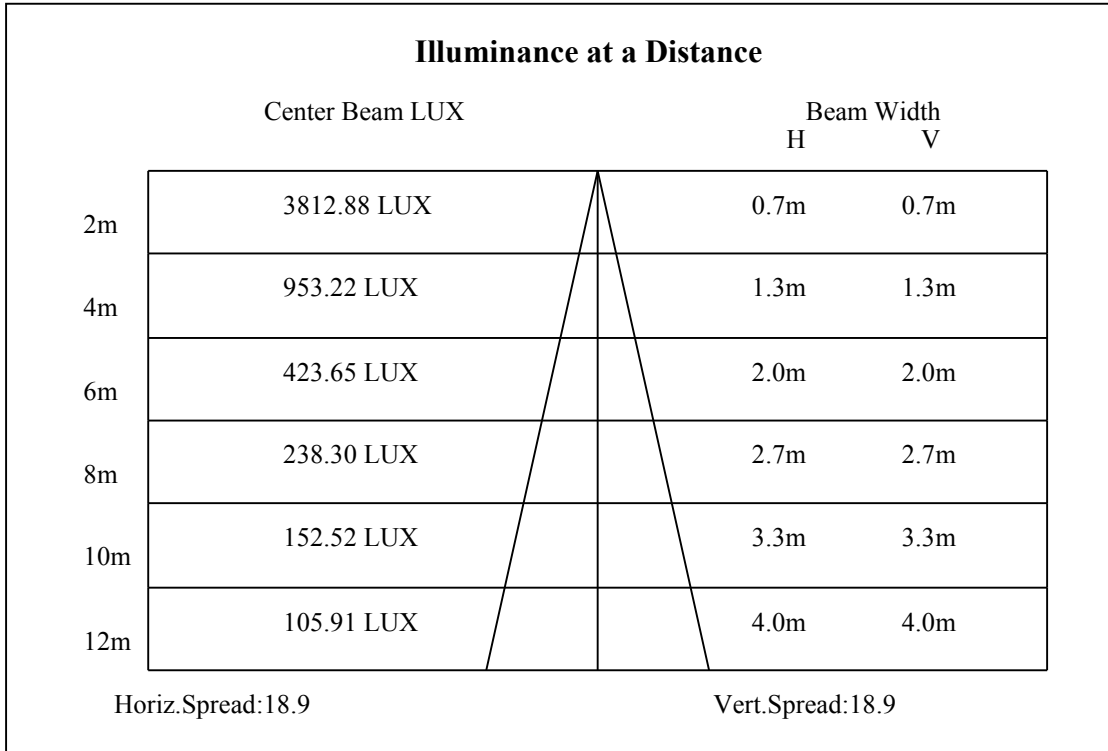
0-10	1001.89
10-20	1107.37
20-30	717.24
30-40	282.42
40-50	40.63
50-60	25.26
60-70	16.41
70-80	5.35
80-90	2.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

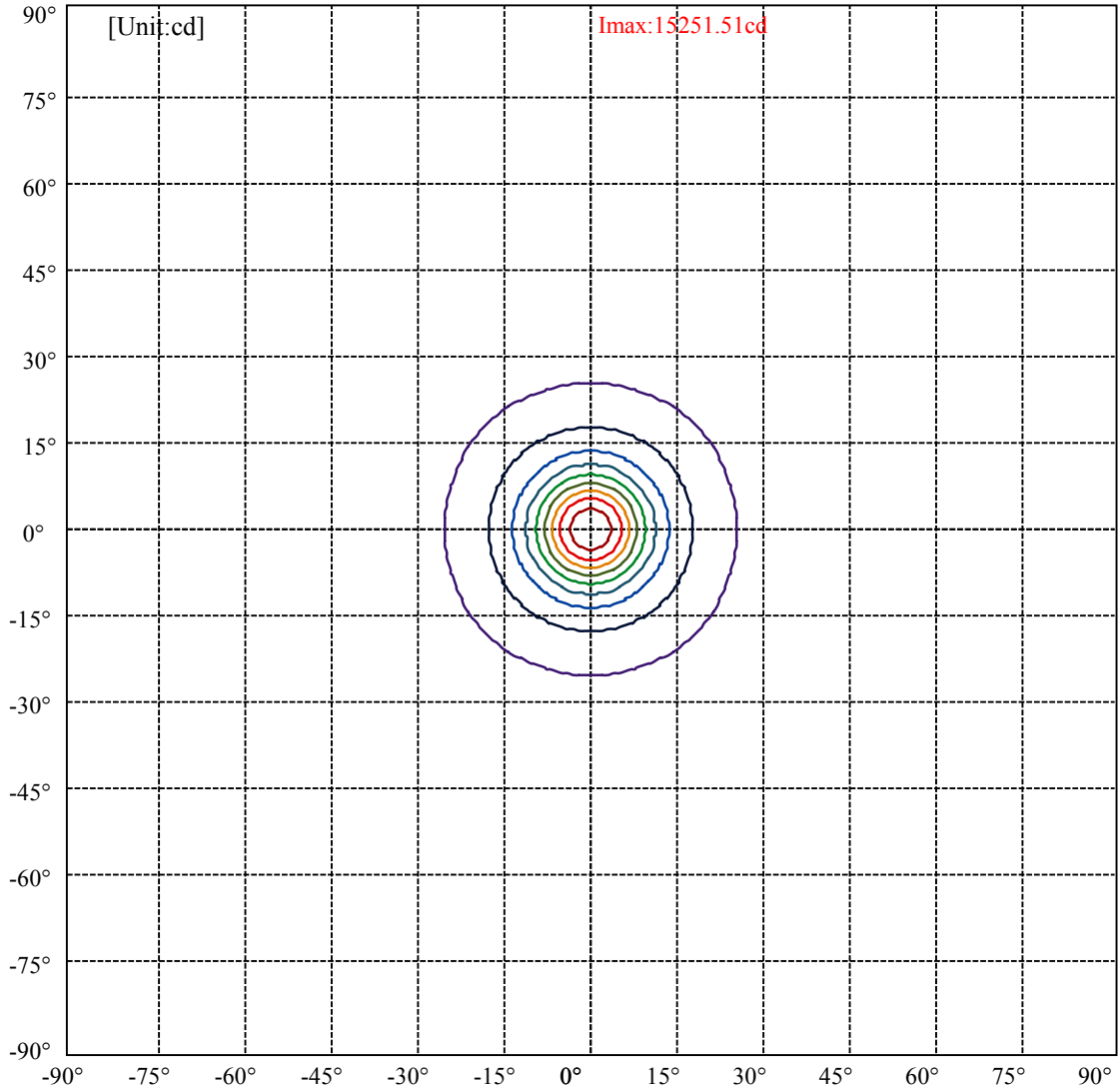


C0(Max): —————
C0/C180: —————
C90/C270: —————

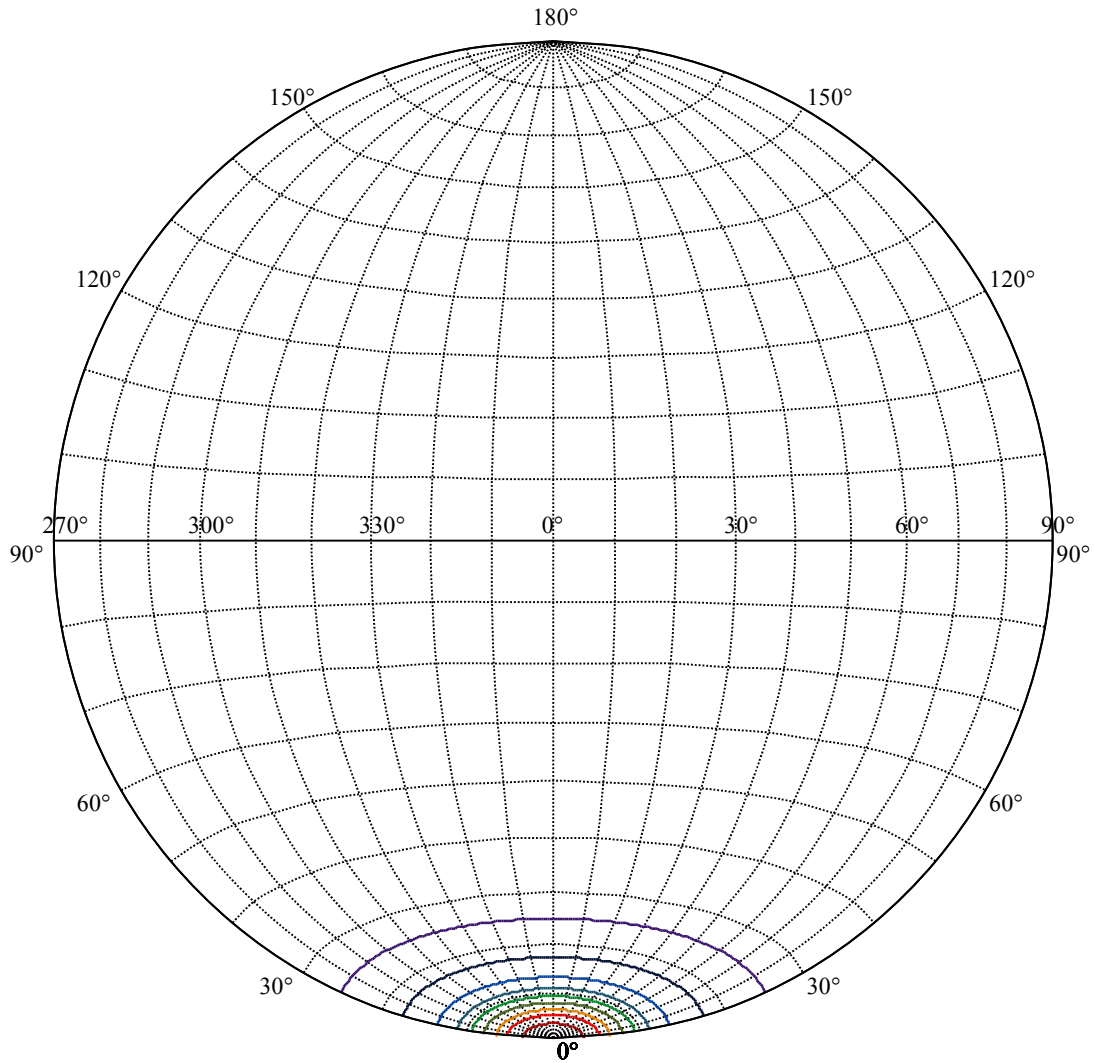
Field angle(10%Imax):C0/180Left:25.1 Right:25.1
:C90/270Left:25.1 Right:25.1

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4





(10%Imax) 1525.15	—
(20%Imax) 3050.3	—
(30%Imax) 4575.45	—
(40%Imax) 6100.6	—
(50%Imax) 7625.75	—
(60%Imax) 9150.9	—
(70%Imax) 10676.1	—
(80%Imax) 12201.2	—
(90%Imax) 13726.4	—



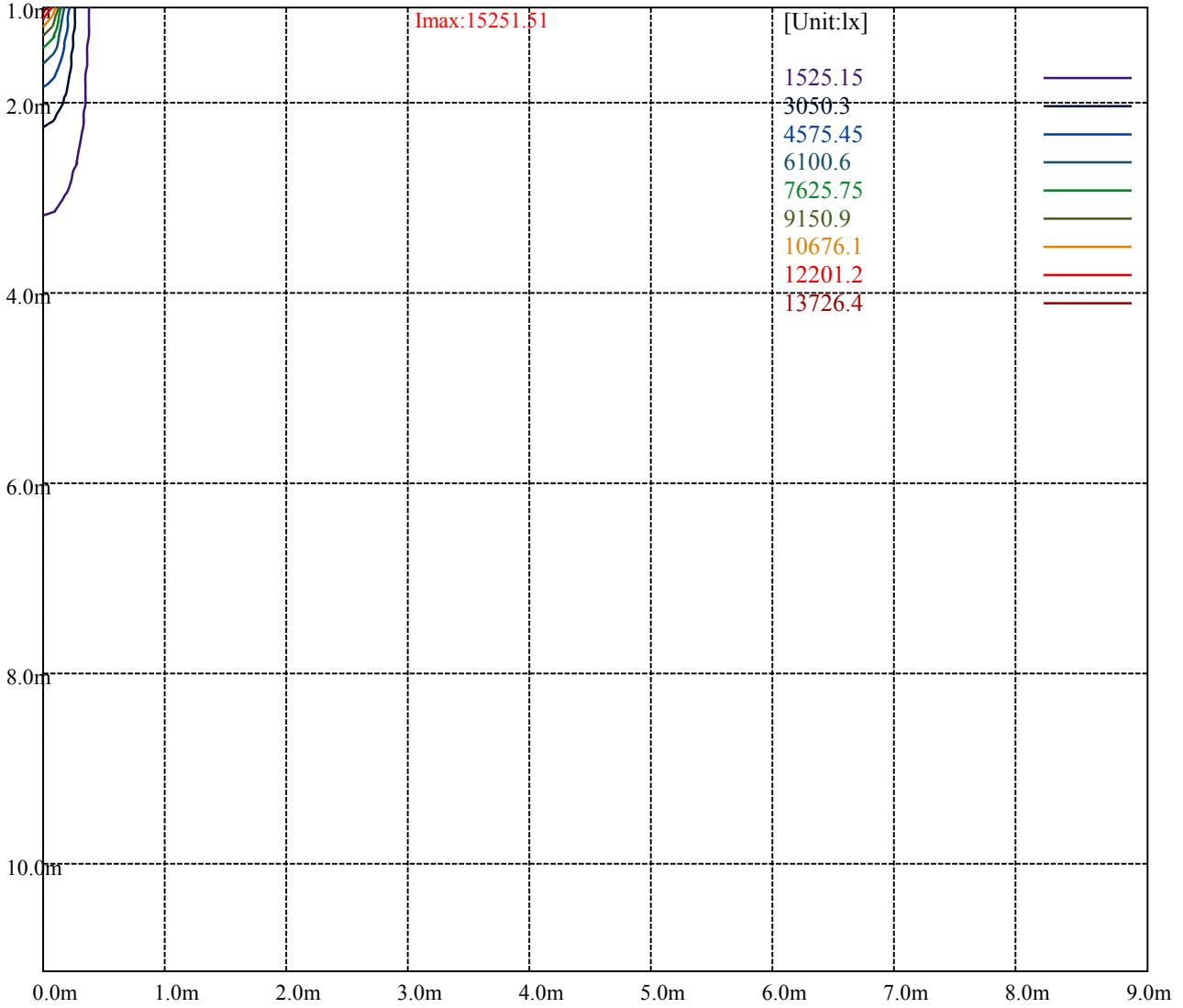
House

[Unit:cd]

Road

Imax:15251.51

(10%Imax) 1525.15	—
(20%Imax) 3050.3	—
(30%Imax) 4575.45	—
(40%Imax) 6100.6	—
(50%Imax) 7625.75	—
(60%Imax) 9150.9	—
(70%Imax) 10676.1	—
(80%Imax) 12201.2	—
(90%Imax) 13726.4	—



Luminance Table

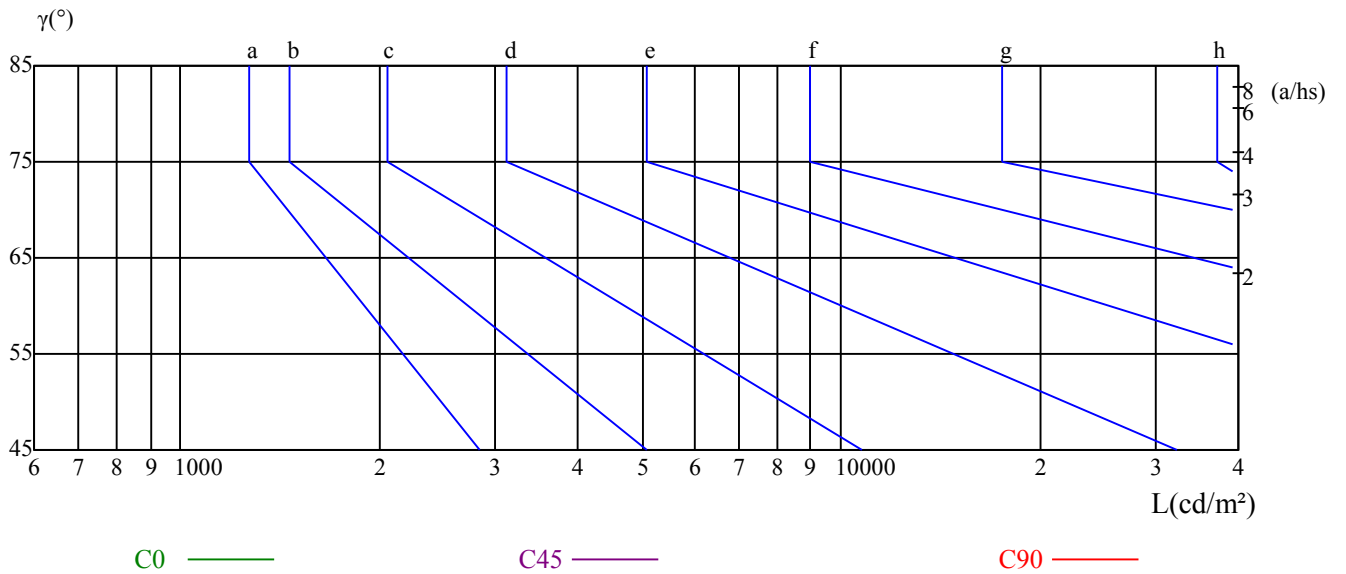
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

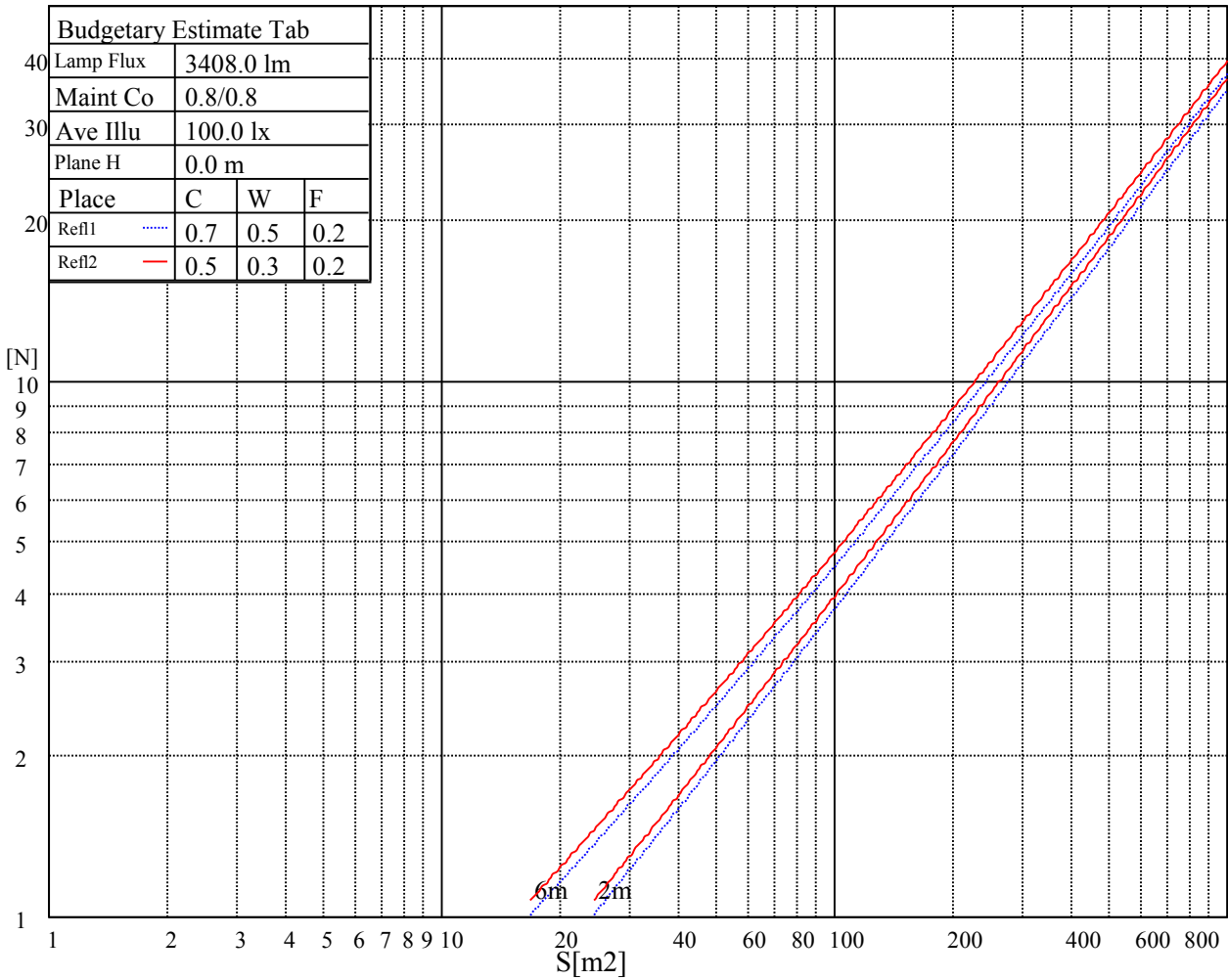
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

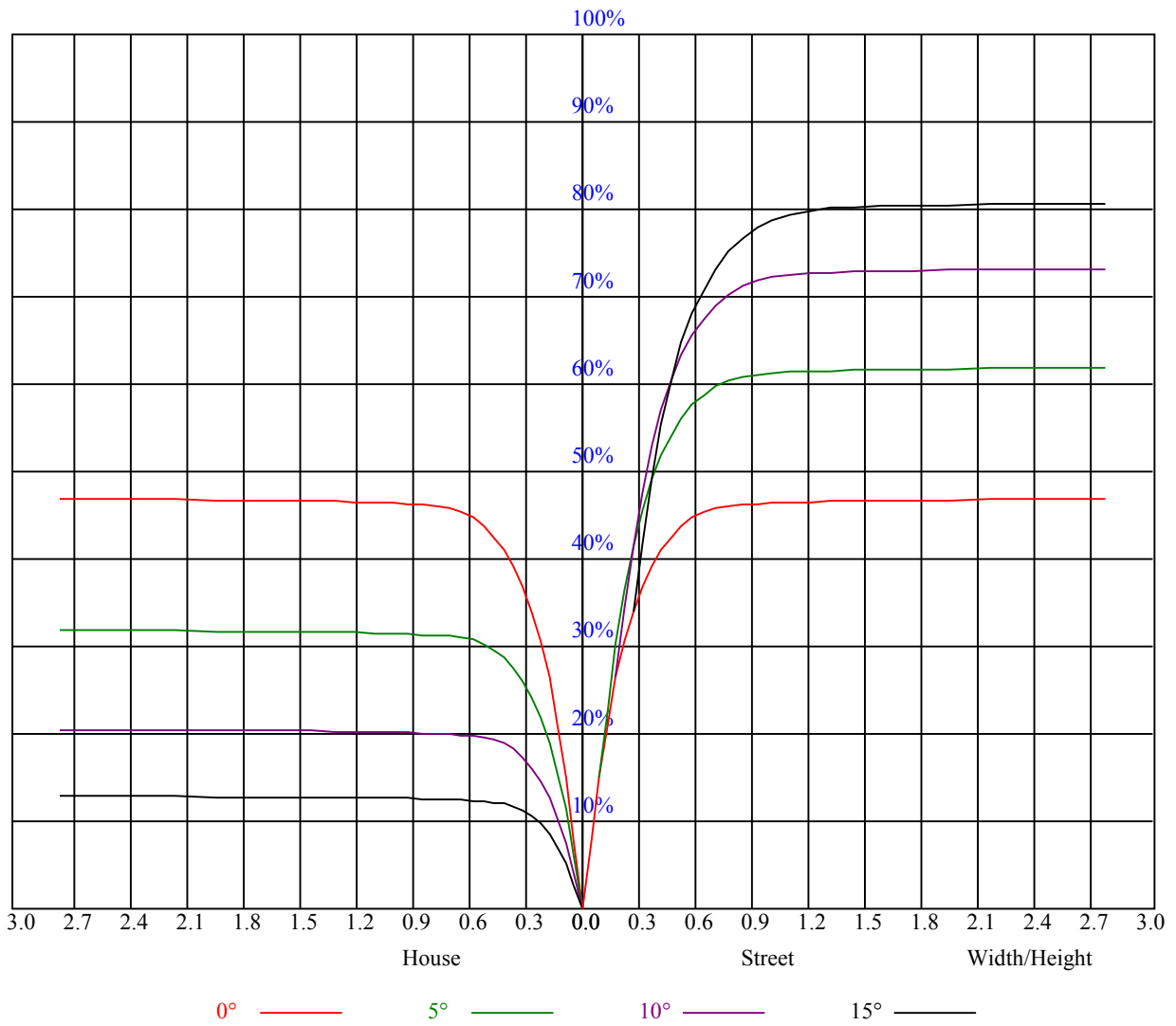


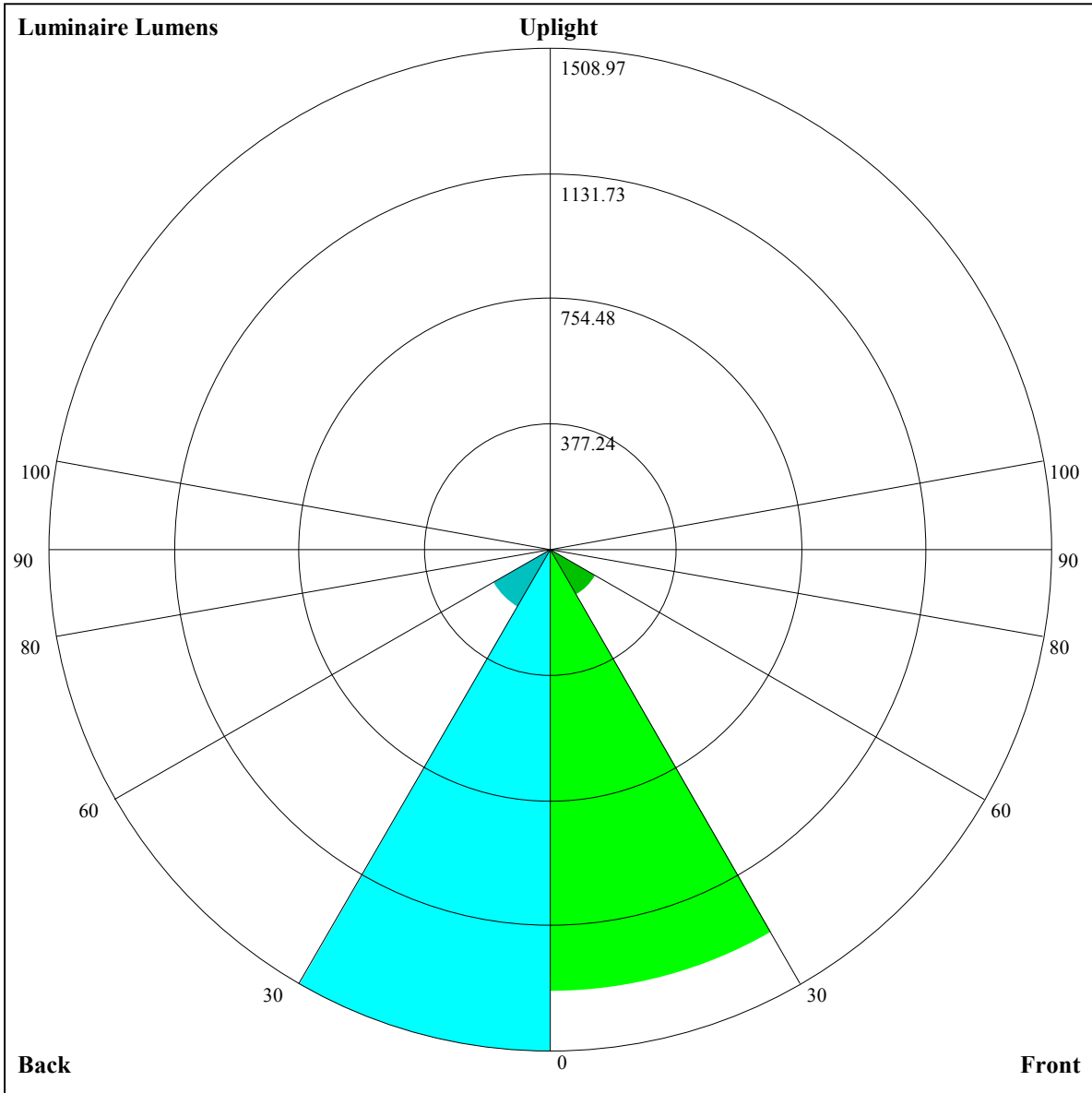
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.76	0.72	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.65
10	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.70	0.67	0.64	0.63





Luminaire Lumens:

FL=1332.41,FM=158.46,FH=10.06,FVH=1.05

BL=1508.97,BM=197.58,BH=11.71,BVH=1.18

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	15096.90	14617.74	13887.85	12545.09	10589.19	10312.82	8949.97	7718.70	6651.68
45.0	15453.48	15030.04	14411.59	13508.98	12361.23	11051.90	9664.56	8355.23	7174.05
90.0	14991.04	14339.16	13425.41	10938.52	10938.52	9818.04	8237.96	7092.42	6323.53
135.0	15464.62	15264.04	14968.75	14255.58	13581.41	12533.95	11285.90	9965.43	8639.38
180.0	15096.90	15364.33	15420.05	15269.62	14913.03	14595.45	13860.00	12450.37	11687.06
225.0	15453.48	15648.49	15648.49	15459.05	15141.47	14406.01	13692.85	10667.72	10667.72
270.0	14991.04	15425.62	15631.77	15642.92	15436.77	15230.62	14394.87	13525.70	12879.39
315.0	15464.62	15414.48	15169.33	14712.45	14021.57	12751.24	11090.06	10535.15	9163.96
360.0	15096.90	14617.74	13887.85	12545.09	10589.19	10312.82	8949.97	7718.70	6651.68
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5809.26	5250.99	4678.80	4208.00	3795.70	3430.75	3108.13	2816.19	2566.57
45.0	6210.15	5457.98	4839.53	4343.66	3903.50	3524.63	3195.91	3006.47	2839.32
90.0	5411.47	4906.66	4385.18	3950.60	3562.21	3215.14	2913.12	2645.68	2413.35
135.0	7441.48	6427.45	5619.56	4967.68	4443.95	3992.65	3602.63	3257.19	2950.75
180.0	10383.30	9018.25	7770.21	6689.31	5825.71	5151.55	4588.81	4120.79	3702.92
225.0	9834.76	8471.39	7276.86	6280.06	5513.96	4863.19	4360.11	3912.70	3526.58
270.0	11063.04	10221.72	8834.39	7580.77	6533.31	5703.14	5040.11	4499.67	4037.22
315.0	7896.41	6806.06	5922.95	5225.92	4662.61	4367.31	3926.63	3548.28	3206.79
360.0	5809.26	5250.99	4678.80	4208.00	3795.70	3430.75	3108.13	2816.19	2566.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2342.61	2140.92	1958.16	1794.38	1646.73	1512.43	1393.75	1290.67	1079.27
45.0	2839.32	2287.47	2094.09	1919.16	1762.58	1611.62	1479.00	1373.14	1276.22
90.0	2207.78	2025.02	1856.77	1702.97	1566.47	1442.21	1337.51	1090.04	1065.44
135.0	2895.04	2895.04	2312.54	2113.59	1938.66	1777.66	1632.22	1504.65	1390.96
180.0	3351.91	3028.76	2805.89	2805.89	2250.67	2133.67	1888.52	1794.38	1647.83
225.0	3322.63	2892.51	2627.34	2485.26	2269.07	2075.17	1906.34	1747.55	1607.73
270.0	3636.06	3279.48	2967.47	2744.60	2744.60	2215.04	2027.81	1924.16	1768.73
315.0	2912.02	2649.04	2413.93	2203.89	2016.09	1850.62	1695.72	1550.86	1420.50
360.0	2342.61	2140.92	1958.16	1794.38	1646.73	1512.43	1393.75	1290.67	1079.27
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1079.27	1004.73	833.22	758.11	641.32	528.78	425.28	328.62	239.53
45.0	1166.41	1047.78	921.26	798.16	677.79	561.89	472.22	369.15	310.64
90.0	1017.35	940.29	816.24	690.46	574.67	465.65	362.52	269.54	189.75
135.0	1285.68	1179.24	1055.56	930.78	803.73	685.05	571.93	464.97	365.78
180.0	1514.64	1398.79	1306.86	1206.57	1094.56	972.56	852.20	734.09	617.08
225.0	1477.90	1371.46	1246.10	1088.04	1040.63	913.69	788.70	668.33	552.33
270.0	1621.08	1486.78	1370.36	1271.17	1168.10	1051.67	930.78	805.94	682.84
315.0	1314.06	1066.18	1066.18	965.99	894.09	769.62	608.46	542.45	439.11
360.0	1079.27	1004.73	833.22	758.11	641.32	528.78	425.28	328.62	239.53
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	163.42	106.54	76.79	64.76	58.45	53.77	49.20	44.73	41.16
45.0	310.64	125.20	84.36	66.75	60.60	55.66	51.14	46.52	42.79
90.0	128.78	89.72	70.96	63.23	57.40	52.46	47.67	43.52	40.11
135.0	295.61	295.61	153.11	105.86	80.68	71.64	64.60	58.87	53.51
180.0	509.54	406.47	310.07	274.95	274.95	109.01	73.64	65.86	59.40
225.0	487.10	343.23	287.52	202.73	115.80	91.77	69.86	62.13	56.61
270.0	566.94	459.97	358.53	302.29	302.29	128.09	96.77	75.58	66.07
315.0	343.18	256.56	181.60	122.42	84.89	69.01	61.50	56.03	51.04
360.0	163.42	106.54	76.79	64.76	58.45	53.77	49.20	44.73	41.16

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	38.06	35.80	32.69	30.75	29.38	28.02	27.49	26.91	26.33
45.0	39.47	36.64	33.96	32.54	29.96	29.07	28.07	27.54	26.86
90.0	37.21	35.11	32.64	30.54	29.44	28.33	27.60	27.33	27.49
135.0	48.67	44.52	40.95	37.79	34.95	32.64	31.01	29.86	28.96
180.0	54.72	50.30	45.73	41.94	38.84	35.90	33.43	31.12	29.70
225.0	52.30	47.78	43.57	40.21	37.27	34.59	32.33	30.33	28.91
270.0	59.66	54.67	49.78	45.36	41.68	38.37	35.53	33.06	31.06
315.0	46.47	42.58	39.32	36.32	33.64	32.22	29.80	29.12	28.17
360.0	38.06	35.80	32.69	30.75	29.38	28.02	27.49	26.91	26.33
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.54	27.23	27.28	27.33	26.81	25.70	24.23	22.55	18.98
45.0	26.65	27.33	27.49	27.39	27.28	26.49	25.23	23.76	20.97
90.0	27.75	27.39	27.28	26.65	25.97	24.18	22.44	19.71	16.87
135.0	28.44	28.33	28.70	28.70	28.33	28.02	27.12	25.70	24.02
180.0	28.44	27.49	27.12	27.02	27.28	27.49	27.39	27.54	27.17
225.0	27.96	27.28	26.65	26.75	27.28	27.44	27.49	27.70	27.02
270.0	29.65	28.70	27.91	27.44	27.39	27.81	28.02	28.02	27.44
315.0	27.39	26.81	26.81	27.28	27.49	27.81	27.49	26.49	25.02
360.0	26.54	27.23	27.28	27.33	26.81	25.70	24.23	22.55	18.98
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.24	13.09	10.04	8.67	7.46	6.78	6.20	5.94	5.52
45.0	17.98	14.93	11.30	9.41	8.09	7.04	6.62	5.99	5.68
90.0	13.67	10.83	9.15	7.83	6.94	6.62	5.99	5.73	5.47
135.0	21.66	18.71	15.77	12.40	10.04	8.73	7.62	6.94	6.41
180.0	25.65	24.60	22.76	18.76	16.98	13.77	10.67	8.78	7.62
225.0	25.86	24.60	22.39	19.45	16.35	12.67	9.88	8.36	7.25
270.0	26.91	25.76	23.39	21.81	18.87	15.61	12.40	9.83	8.41
315.0	23.29	20.39	17.14	14.03	10.78	8.99	7.78	6.89	6.47
360.0	16.24	13.09	10.04	8.67	7.46	6.78	6.20	5.94	5.52
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.15	4.94	4.73	4.47	4.21	3.94	3.63	3.21	2.89
45.0	5.41	5.10	4.78	4.57	4.36	4.10	3.78	3.36	3.05
90.0	4.99	4.84	4.63	4.36	4.10	3.73	3.42	3.00	2.68
135.0	5.99	5.68	5.31	4.94	4.73	4.52	4.15	3.89	3.57
180.0	6.83	6.25	5.78	5.41	5.10	4.84	4.57	4.26	3.99
225.0	6.52	5.99	5.52	5.15	4.89	4.57	4.36	4.05	3.84
270.0	7.31	6.62	6.04	5.68	5.26	4.99	4.68	4.36	4.10
315.0	5.94	5.57	5.26	4.94	4.68	4.47	4.21	3.89	3.63
360.0	5.15	4.94	4.73	4.47	4.21	3.94	3.63	3.21	2.89
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.63	2.26	2.05	1.79	1.52	1.31	1.10	0.89	0.95
45.0	2.73	2.37	2.10	1.73	1.52	1.26	1.10	0.84	0.95
90.0	2.31	2.10	1.79	1.68	1.37	1.16	1.05	1.00	0.95
135.0	3.15	2.79	2.42	2.10	1.79	1.52	1.31	1.16	0.84
180.0	3.73	3.36	3.05	2.68	2.26	2.00	1.73	1.47	1.21
225.0	3.57	3.15	2.84	2.52	2.26	1.94	1.73	1.47	1.31
270.0	3.89	3.63	3.21	2.84	2.52	2.21	1.94	1.68	1.42
315.0	3.26	2.94	2.68	2.31	2.05	1.79	1.52	1.31	1.10
360.0	2.63	2.26	2.05	1.79	1.52	1.31	1.10	0.89	0.95

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	1.00
90.0	0.89
135.0	1.00
180.0	1.05
225.0	1.16
270.0	1.21
315.0	1.05
360.0	0.89