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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024322-B022

Ballast type: AC

Test No: 2024322-C022

Voltage(V): 34.760

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.056

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2858.02, Efficiency(%): 81.99% , Luminous Efficacy(lm/W): 142.50

Central intensity(cd): 7011.347, Maximum intensity(cd): 7011.347

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.0

[C90/270]Total=35.0

Field angle(10%Imax): [C0/180]Total=60.8

[C90/270]Total=60.8

Maximum s/h(1/2): C0\_180=0.58 C90\_270=0.58

Maximum s/h(1/4): C0\_180=0.57 C90\_270=0.57

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 81.99%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.768%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/22  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7011.347	0.000	0	0.00%	0.00%
1.0	7005.494	6.707	6.707	0.19%	0.23%
2.0	6983.841	20.079	26.786	0.58%	0.94%
3.0	6948.142	33.321	60.106	0.96%	2.10%
4.0	6893.863	46.334	106.44	1.33%	3.72%
5.0	6804.177	58.928	165.368	1.69%	5.79%
6.0	6681.646	70.872	236.24	2.03%	8.27%
7.0	6527.585	81.989	318.229	2.35%	11.13%
8.0	6326.926	91.997	410.227	2.64%	14.35%
9.0	6104.467	100.750	510.976	2.89%	17.88%
10.0	5853.260	108.213	619.189	3.10%	21.66%
11.0	5578.935	114.231	733.42	3.28%	25.66%
12.0	5278.788	118.690	852.111	3.40%	29.81%
13.0	4960.791	121.518	973.629	3.49%	34.07%
14.0	4640.600	122.897	1096.526	3.53%	38.37%
15.0	4305.339	122.814	1219.34	3.52%	42.66%
16.0	3968.689	121.238	1340.577	3.48%	46.91%
17.0	3660.348	118.805	1459.382	3.41%	51.06%
18.0	3339.791	115.417	1574.799	3.31%	55.10%
19.0	3030.792	110.835	1685.634	3.18%	58.98%
20.0	2750.250	105.809	1791.443	3.04%	62.68%
21.0	2479.437	100.421	1891.864	2.88%	66.19%
22.0	2209.795	94.232	1986.096	2.70%	69.49%
23.0	1989.165	88.106	2074.202	2.53%	72.57%
24.0	1774.314	82.283	2156.485	2.36%	75.45%
25.0	1585.053	76.385	2232.869	2.19%	78.13%
26.0	1343.150	69.121	2301.99	1.98%	80.54%
27.0	1212.462	62.524	2364.514	1.79%	82.73%
28.0	1077.919	57.988	2422.501	1.66%	84.76%
29.0	907.486	51.944	2474.445	1.49%	86.58%
30.0	761.722	45.068	2519.513	1.29%	88.16%
31.0	622.453	38.520	2558.033	1.10%	89.50%
32.0	494.383	31.996	2590.029	0.92%	90.62%
33.0	373.052	25.555	2615.584	0.73%	91.52%
34.0	295.136	20.221	2635.805	0.58%	92.22%
35.0	247.938	16.866	2652.671	0.48%	92.81%
36.0	180.059	13.628	2666.299	0.39%	93.29%
37.0	148.640	10.720	2677.019	0.31%	93.67%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	129.423	9.281	2686.3	0.27%	93.99%
39.0	117.235	8.419	2694.719	0.24%	94.29%
40.0	107.264	7.830	2702.549	0.22%	94.56%
41.0	97.850	7.304	2709.853	0.21%	94.82%
42.0	90.051	6.827	2716.68	0.20%	95.05%
43.0	82.502	6.392	2723.072	0.18%	95.28%
44.0	76.379	5.997	2729.068	0.17%	95.49%
45.0	70.622	5.649	2734.718	0.16%	95.69%
46.0	65.531	5.325	2740.042	0.15%	95.87%
47.0	61.375	5.047	2745.09	0.14%	96.05%
48.0	57.345	4.799	2749.889	0.14%	96.22%
49.0	53.855	4.566	2754.456	0.13%	96.38%
50.0	50.885	4.367	2758.823	0.13%	96.53%
51.0	48.142	4.190	2763.012	0.12%	96.68%
52.0	45.560	4.021	2767.033	0.12%	96.82%
53.0	43.343	3.867	2770.9	0.11%	96.95%
54.0	41.163	3.725	2774.625	0.11%	97.08%
55.0	39.108	3.583	2778.208	0.10%	97.21%
56.0	37.272	3.451	2781.66	0.10%	97.33%
57.0	35.530	3.329	2784.988	0.10%	97.44%
58.0	33.746	3.204	2788.192	0.09%	97.56%
59.0	32.180	3.082	2791.274	0.09%	97.66%
60.0	30.629	2.967	2794.241	0.09%	97.77%
61.0	29.173	2.854	2797.095	0.08%	97.87%
62.0	27.813	2.746	2799.841	0.08%	97.96%
63.0	26.789	2.656	2802.497	0.08%	98.06%
64.0	25.838	2.582	2805.079	0.07%	98.15%
65.0	24.989	2.515	2807.594	0.07%	98.24%
66.0	24.287	2.459	2810.053	0.07%	98.32%
67.0	23.965	2.426	2812.479	0.07%	98.41%
68.0	23.650	2.412	2814.891	0.07%	98.49%
69.0	23.716	2.416	2817.308	0.07%	98.58%
70.0	23.899	2.445	2819.753	0.07%	98.66%
71.0	24.075	2.480	2822.233	0.07%	98.75%
72.0	23.877	2.493	2824.726	0.07%	98.84%
73.0	23.489	2.477	2827.203	0.07%	98.92%
74.0	23.175	2.453	2829.656	0.07%	99.01%
75.0	22.751	2.427	2832.083	0.07%	99.09%

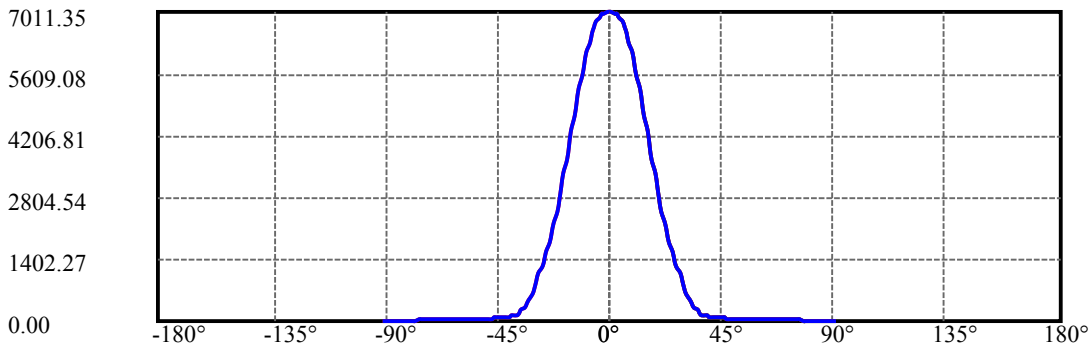
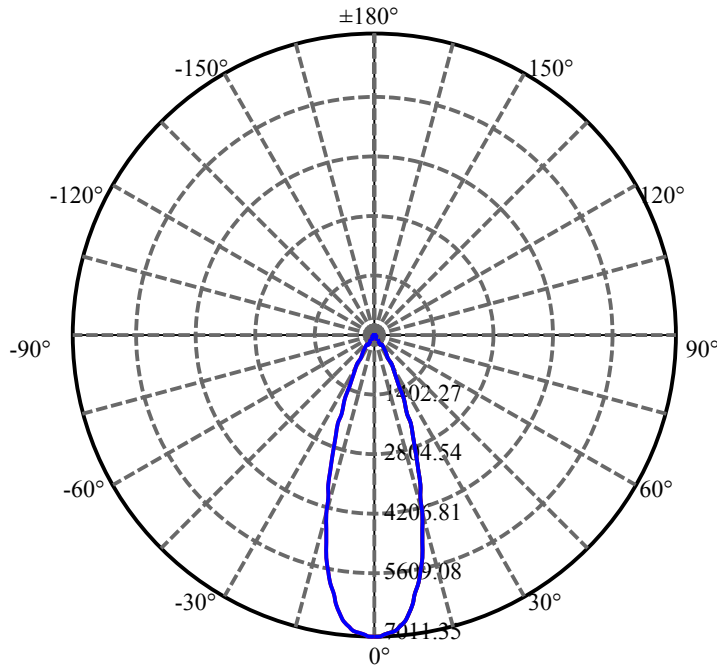
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.034	2.377	2834.46	0.07%	99.18%
77.0	21.273	2.309	2836.769	0.07%	99.26%
78.0	20.380	2.230	2838.999	0.06%	99.33%
79.0	18.866	2.109	2841.107	0.06%	99.41%
80.0	17.111	1.940	2843.047	0.06%	99.48%
81.0	15.786	1.779	2844.826	0.05%	99.54%
82.0	14.945	1.667	2846.493	0.05%	99.60%
83.0	14.360	1.593	2848.086	0.05%	99.65%
84.0	13.994	1.545	2849.63	0.04%	99.71%
85.0	13.533	1.502	2851.133	0.04%	99.76%
86.0	12.977	1.449	2852.582	0.04%	99.81%
87.0	12.560	1.398	2853.979	0.04%	99.86%
88.0	12.334	1.364	2855.343	0.04%	99.91%
89.0	12.165	1.343	2856.686	0.04%	99.95%
90.0	12.173	1.334	2858.02	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2519.51	72.28%	88.16%
0-40	2702.55	77.53%	94.56%
0-60	2794.24	80.16%	97.77%
0-90	2856.69	81.95%	99.95%
0-120	2856.69	81.95%	99.95%
0-180	2858.02	81.99%	100.00%
60-90	62.44	1.79%	2.18%
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%
0-25.77	2286.42	65.59%	80.00%

ZONAL LUMEN SUMMARY

0-10	619.19
10-20	1172.25
20-30	728.07
30-40	183.04
40-50	56.27
50-60	35.42
60-70	25.51
70-80	23.29
80-90	13.64
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



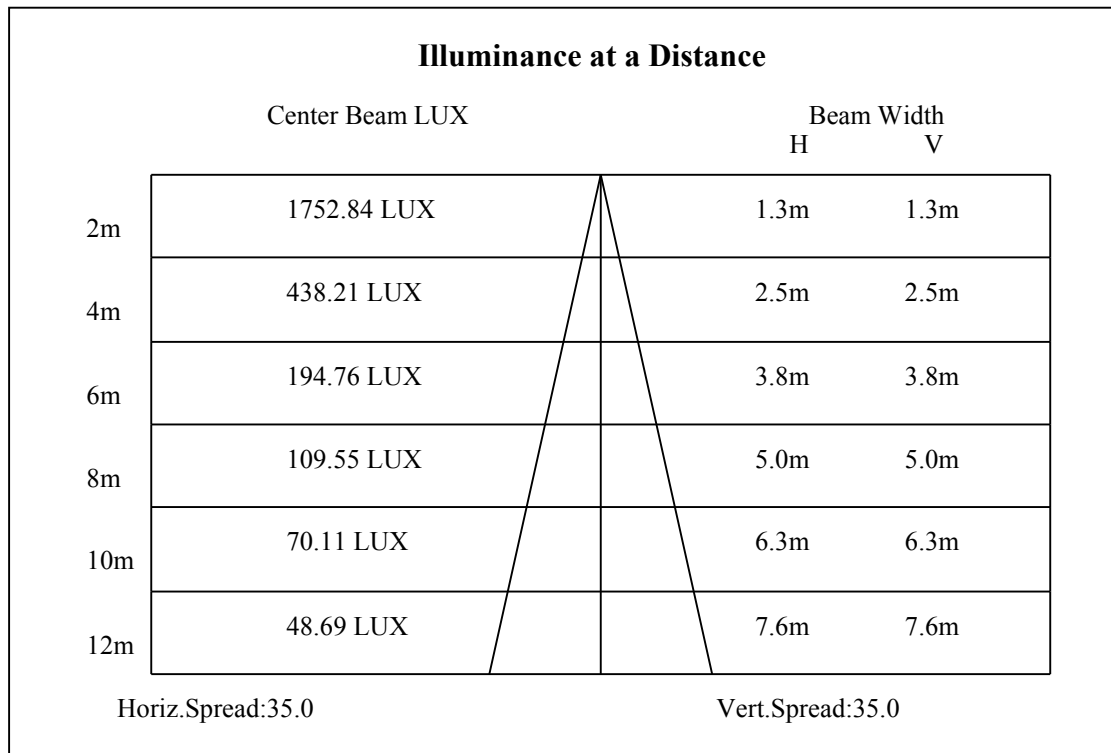
C0(Max): ———

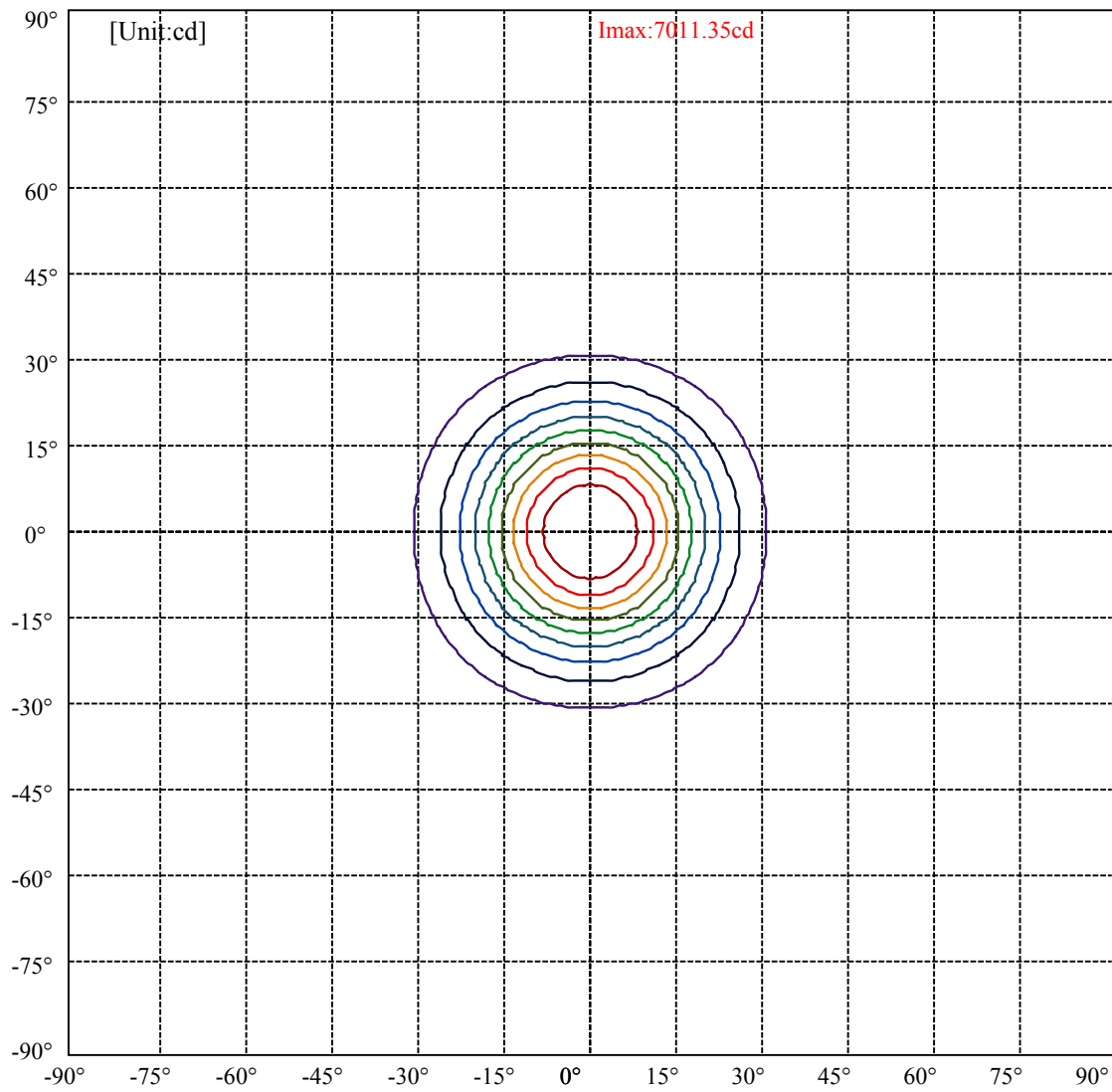
C0/C180: ———

C90/C270: ———

Field angle(10%Imax):C0/180Left:30.4 Right:30.4  
:C90/270Left:30.4 Right:30.4

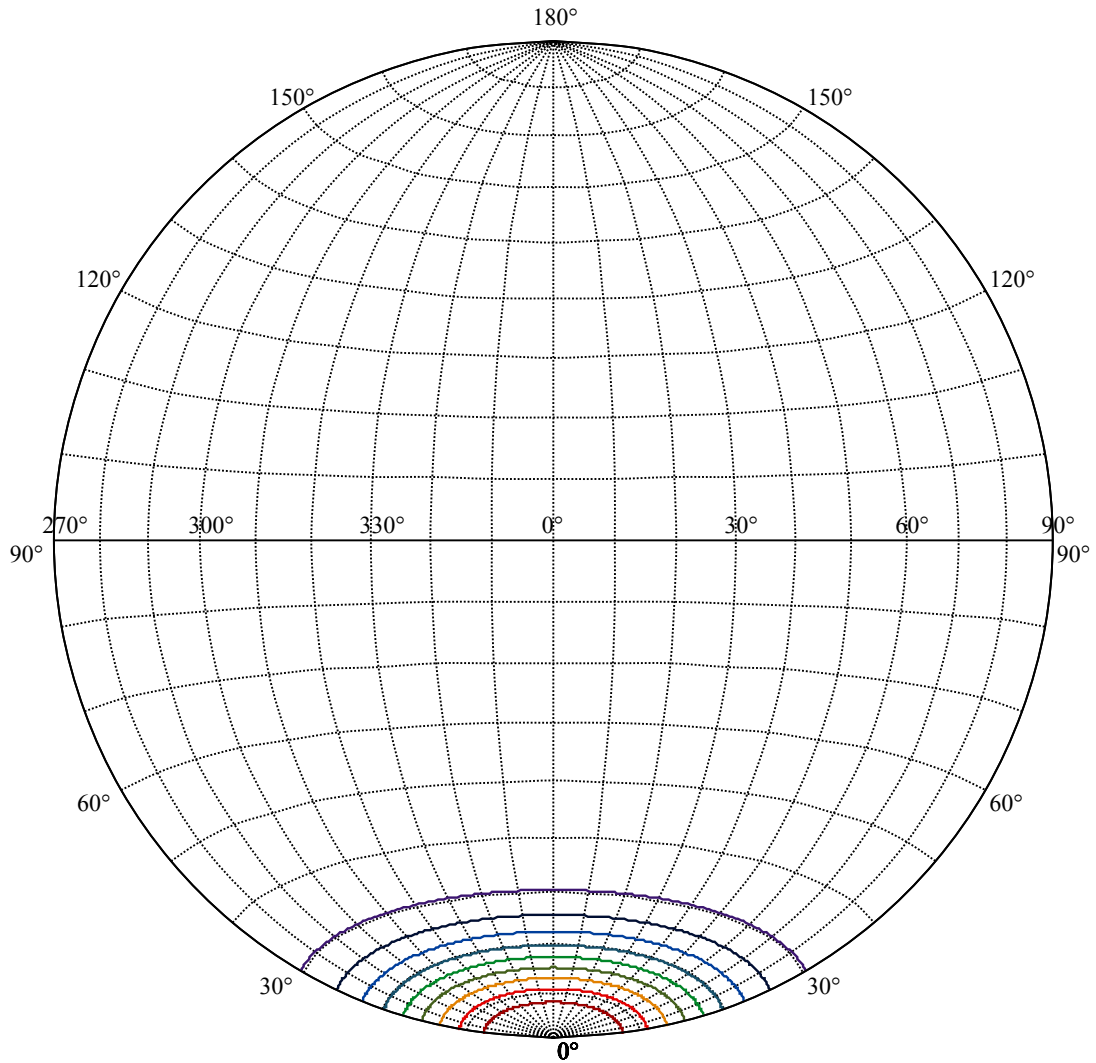
Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5  
:C90/270Left:17.5 Right:17.5





(10%Imax) 701.135	—
(20%Imax) 1402.27	—
(30%Imax) 2103.4	—
(40%Imax) 2804.54	—
(50%Imax) 3505.67	—
(60%Imax) 4206.81	—
(70%Imax) 4907.94	—
(80%Imax) 5609.08	—
(90%Imax) 6310.21	—





House

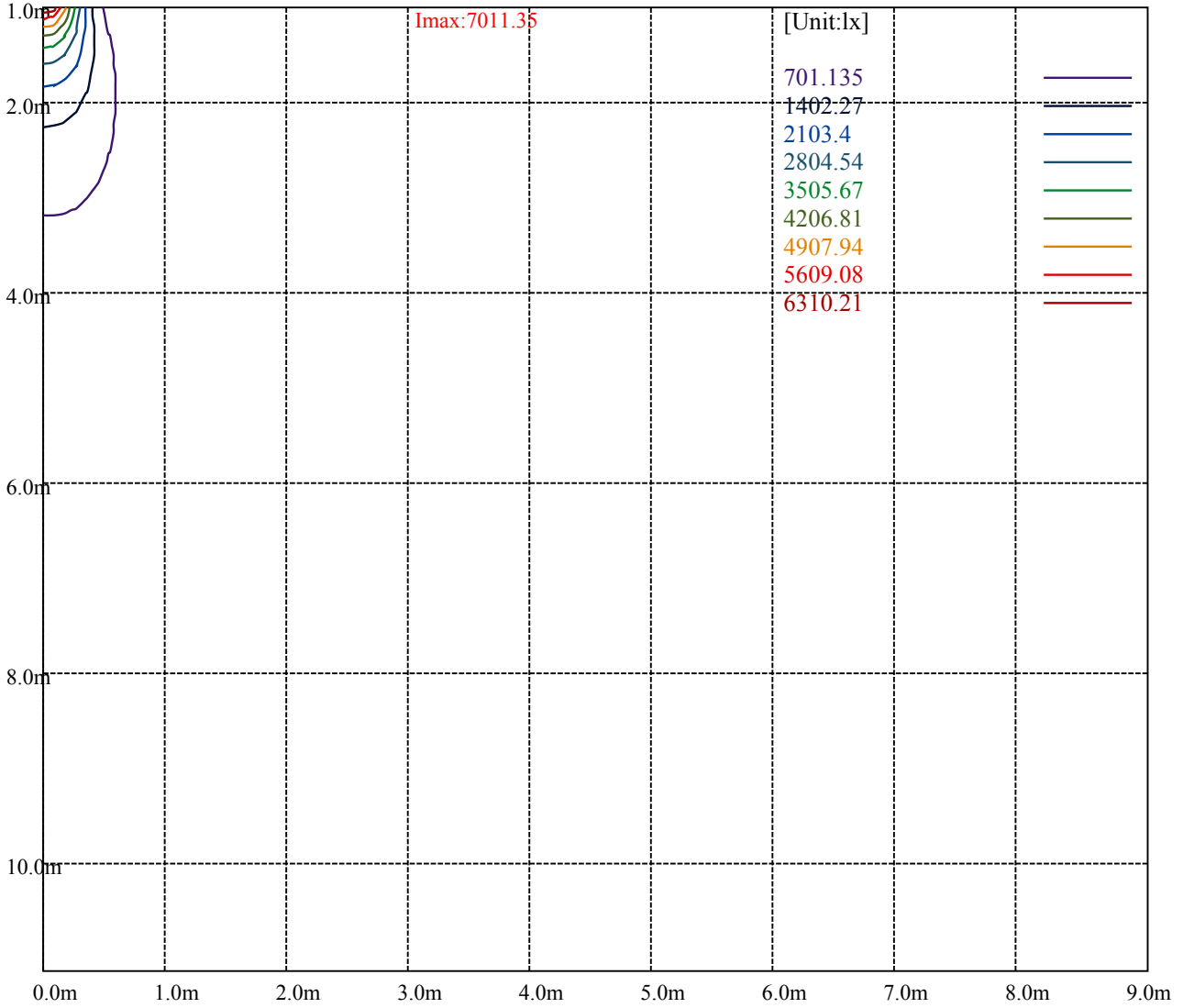
[Unit:cd]

Road

**Imax:7011.35**

(10%Imax) 701.135	—
(20%Imax) 1402.27	—
(30%Imax) 2103.4	—
(40%Imax) 2804.54	—
(50%Imax) 3505.67	—
(60%Imax) 4206.81	—
(70%Imax) 4907.94	—
(80%Imax) 5609.08	—
(90%Imax) 6310.21	—





Luminance Table

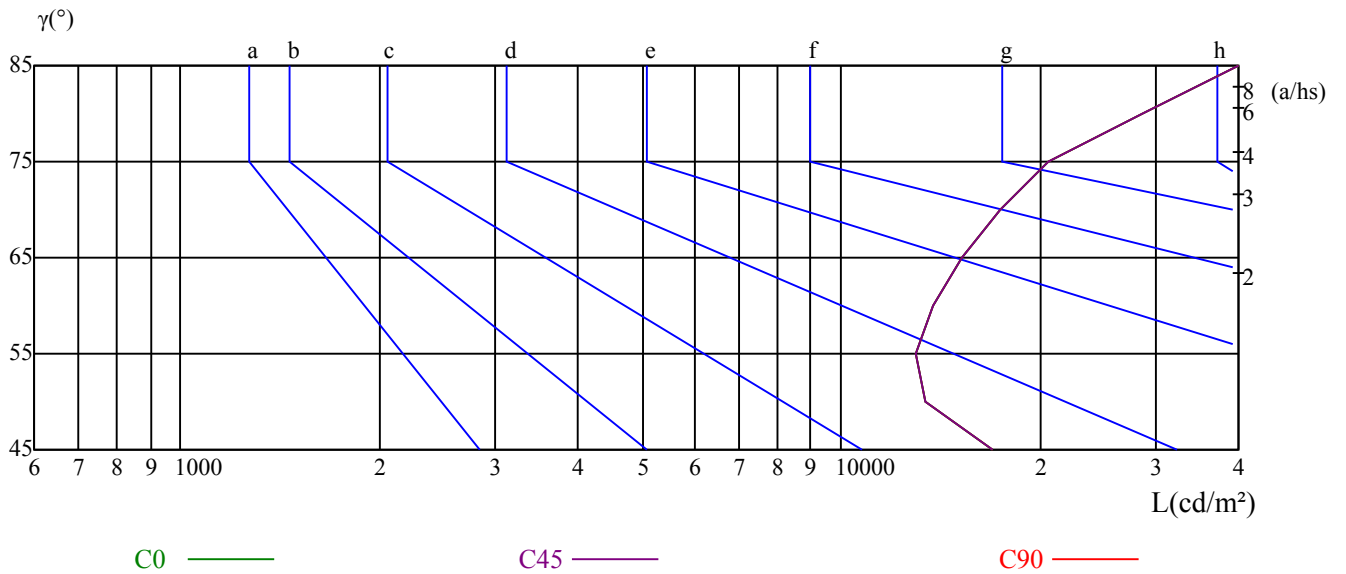
$\gamma$	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

Glare Table

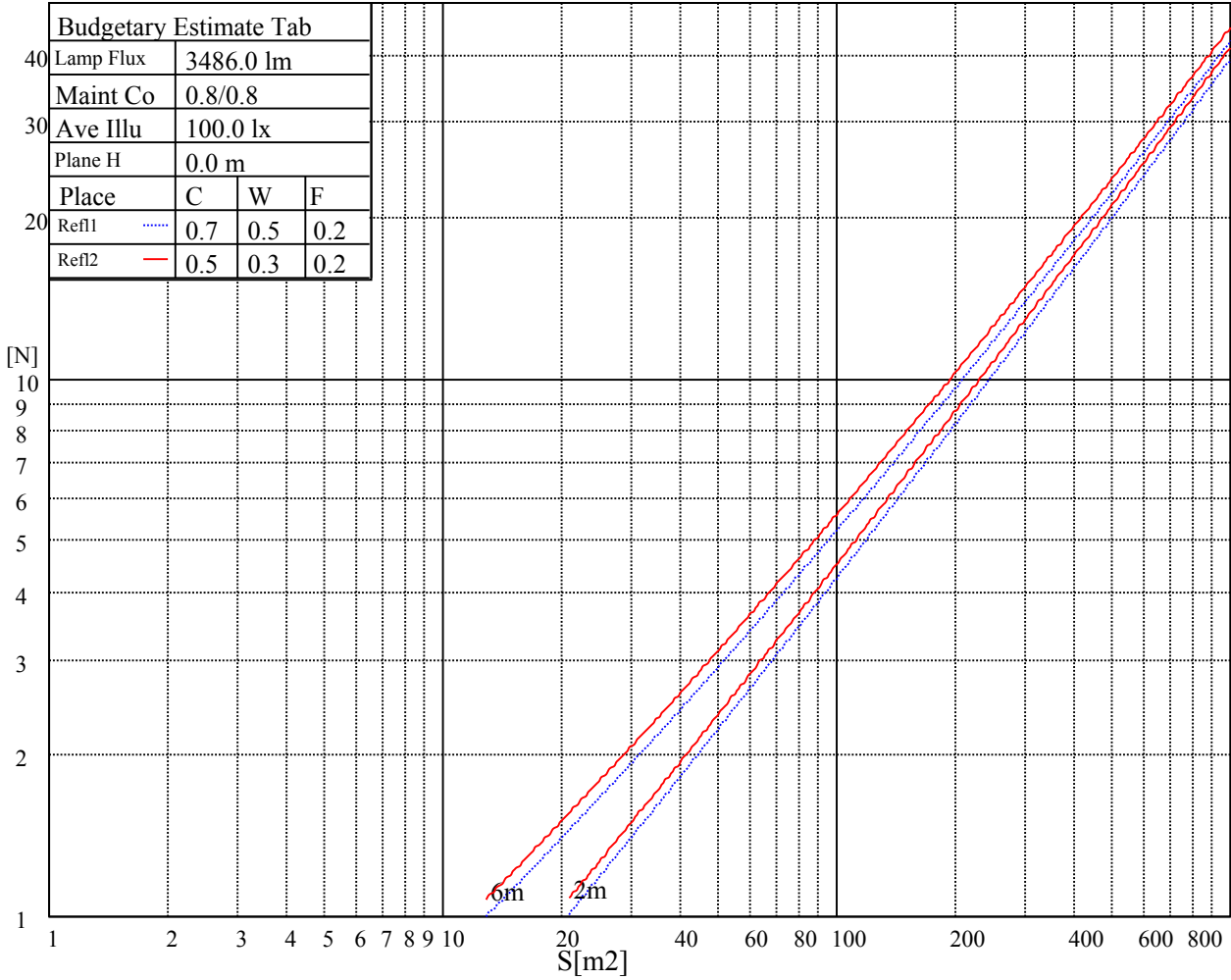
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

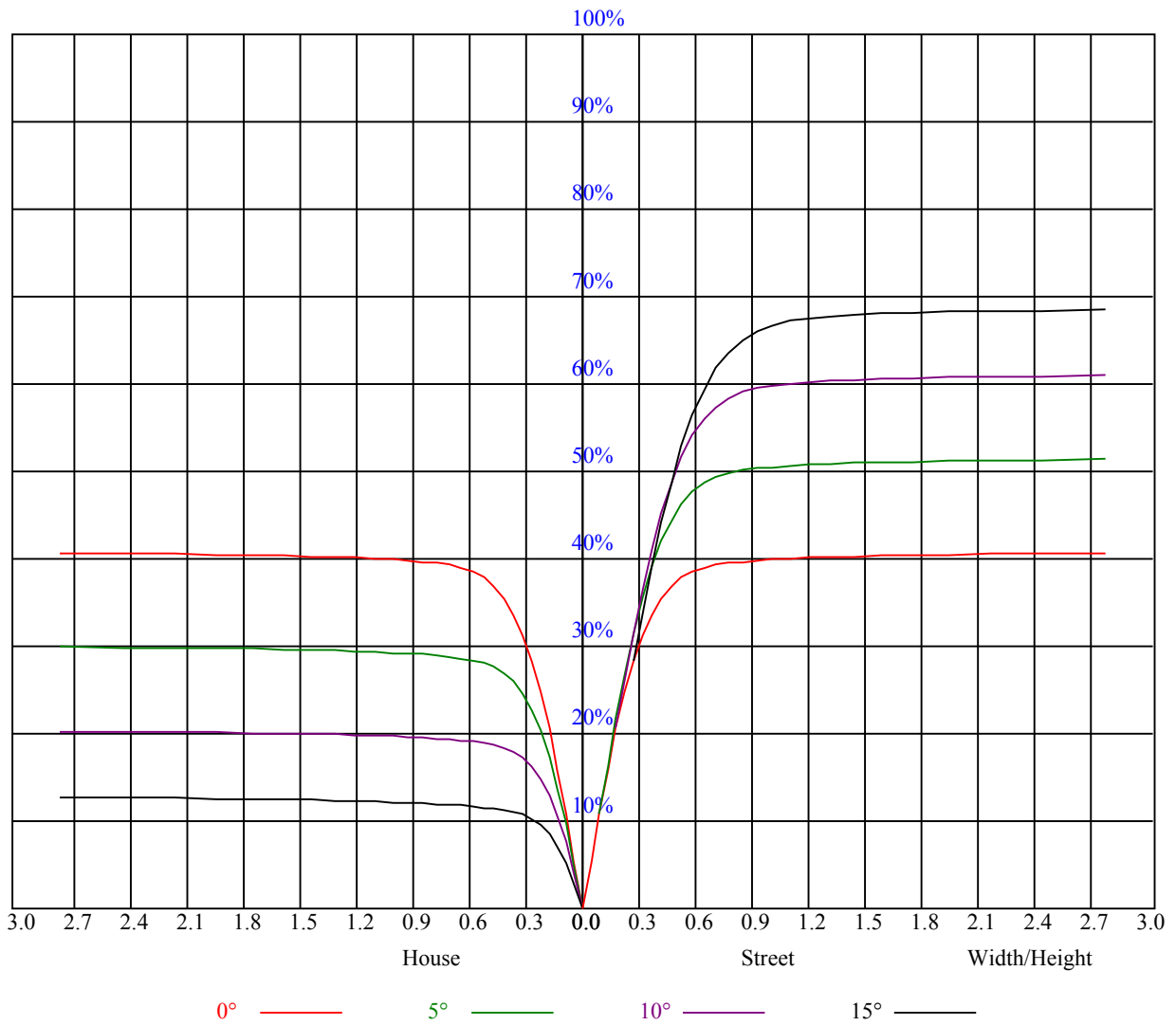


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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				

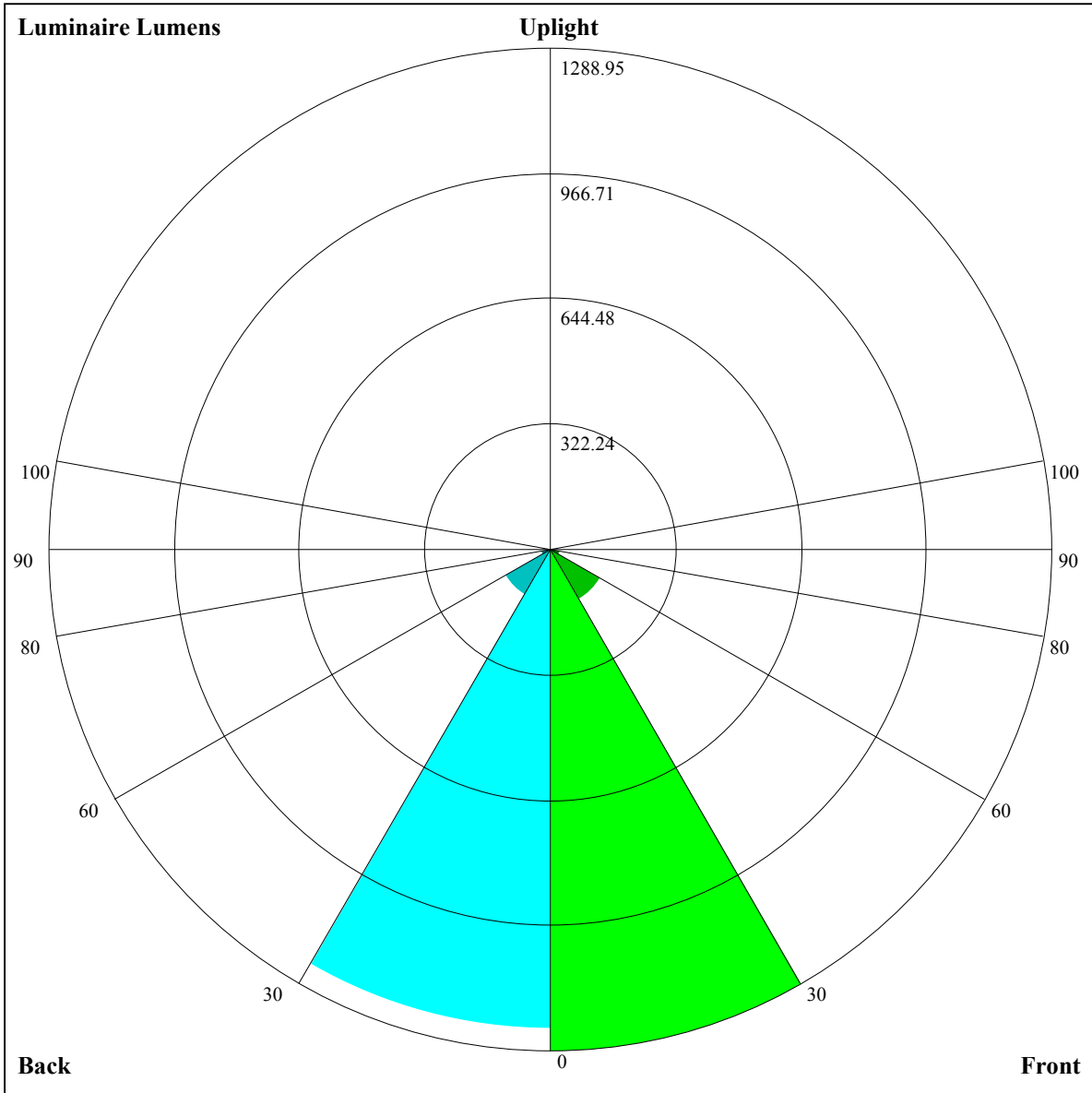
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52







Luminaire Lumens:

FL=1288.95,FM=145.77,FH=23.49,FVH=7.57

BL=1231.51,BM=134.79,BH=24.46,BVH=7.49

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	7022.76	7028.03	7012.22	6981.21	6941.41	6856.55	6752.38	6610.17	6436.36
45.0	6999.35	7022.76	7032.12	7022.76	6994.67	6954.29	6894.01	6800.96	6640.61
90.0	7019.25	7020.42	7002.28	6973.01	6928.54	6857.73	6720.20	6573.31	6348.58
135.0	7004.03	7006.37	6997.01	6971.26	6932.63	6853.04	6758.82	6626.56	6408.86
180.0	7022.76	7012.22	6975.36	6934.39	6878.79	6768.77	6636.51	6467.97	6223.93
225.0	6999.35	6964.24	6915.08	6852.46	6734.83	6593.20	6384.86	6184.13	5962.92
270.0	7019.25	7007.54	6980.62	6933.80	6881.13	6806.81	6699.71	6519.47	6346.24
315.0	7004.03	6982.38	6956.04	6916.25	6858.90	6743.02	6606.66	6438.12	6247.92
360.0	7022.76	7028.03	7012.22	6981.21	6941.41	6856.55	6752.38	6610.17	6436.36
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6240.90	5950.04	5685.52	5418.07	5058.16	4762.03	4381.05	4072.64	3768.91
45.0	6479.67	6287.72	6006.81	5752.82	5489.47	5127.80	4819.97	4426.12	4114.78
90.0	6135.56	5892.69	5558.53	5277.62	4976.23	4592.90	4280.98	3969.64	3667.08
135.0	6206.37	5981.06	5734.09	5395.25	5112.00	4812.95	4503.95	4108.92	3801.09
180.0	6005.64	5760.43	5494.74	5148.87	4852.16	4544.33	4237.09	3855.52	3564.08
225.0	5648.06	5377.11	5098.54	4807.68	4427.29	4120.04	3819.24	3526.04	3168.47
270.0	6092.84	5855.23	5592.47	5249.53	4959.26	4655.52	4272.20	3969.05	3676.44
315.0	6026.71	5721.80	5460.79	5180.47	4811.78	4509.22	4128.24	3821.58	3521.94
360.0	6240.90	5950.04	5685.52	5418.07	5058.16	4762.03	4381.05	4072.64	3768.91
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3402.56	3122.23	2850.69	2587.92	2274.83	2051.86	1863.41	1696.04	1358.37
45.0	3809.29	3511.99	3157.35	2886.39	2619.53	2367.88	2082.29	1892.09	1722.38
90.0	3306.58	3032.11	2766.42	2507.75	2196.99	1981.05	1799.63	1597.14	1134.93
135.0	3504.97	3149.15	2877.61	2558.08	2308.19	2076.44	1837.08	1673.22	1506.43
180.0	3274.98	2912.72	2664.00	2346.81	2088.73	1904.97	1732.91	1516.96	1346.66
225.0	2885.80	2621.28	2302.33	2067.66	1871.61	1662.10	1368.90	1162.20	1122.46
270.0	3376.81	3008.70	2756.47	2506.58	2235.62	1980.46	1789.09	1586.60	1415.13
315.0	3157.35	2888.14	2627.13	2374.32	2082.87	1888.58	1721.21	1556.17	1138.85
360.0	3402.56	3122.23	2850.69	2587.92	2274.83	2051.86	1863.41	1696.04	1358.37
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1150.67	1150.67	961.64	818.09	684.65	527.99	412.41	311.46	216.83
45.0	1550.90	1333.79	1168.17	1011.91	829.91	694.14	536.71	421.42	320.18
90.0	1134.93	1056.68	907.16	766.18	601.90	481.29	372.38	278.33	206.58
135.0	1332.62	1163.49	967.44	824.06	690.04	564.80	418.49	317.25	295.01
180.0	1181.63	1024.79	838.69	700.57	572.99	453.02	323.10	300.28	300.28
225.0	968.78	824.06	686.35	528.58	416.91	319.18	241.11	179.90	156.84
270.0	1241.32	1048.78	896.62	749.15	616.30	493.40	358.22	310.81	310.81
315.0	1138.85	1021.10	833.83	695.25	566.91	421.24	321.99	241.64	176.97
360.0	1150.67	1150.67	961.64	818.09	684.65	527.99	412.41	311.46	216.83
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	173.64	152.51	138.35	123.13	113.18	103.94	95.63	86.50	80.06
45.0	297.94	210.74	153.27	138.58	126.12	112.83	103.82	95.63	88.31
90.0	157.78	140.22	127.11	113.18	103.88	95.57	86.44	79.94	72.86
135.0	204.13	142.39	125.71	114.53	104.87	94.51	87.20	80.70	74.97
180.0	146.60	133.26	118.63	108.56	99.49	89.54	82.58	76.43	70.99
225.0	142.39	127.05	116.64	105.05	96.68	89.13	82.40	75.20	70.11
270.0	165.56	144.96	132.32	121.43	109.50	100.83	93.05	84.45	78.36
315.0	152.45	138.00	123.37	113.42	104.40	96.45	89.31	81.17	75.38
360.0	173.64	152.51	138.35	123.13	113.18	103.94	95.63	86.50	80.06

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	74.21	67.77	63.20	58.41	54.84	51.62	48.81	45.71	43.54
45.0	80.12	74.27	69.17	63.56	59.52	55.07	51.85	49.10	46.64
90.0	67.94	63.56	59.75	55.54	52.61	49.92	47.58	44.89	42.90
135.0	69.82	64.14	60.16	56.77	52.85	50.15	47.70	45.00	43.01
180.0	65.25	61.27	57.88	54.78	51.32	48.87	46.64	44.13	42.14
225.0	65.66	61.74	57.47	54.48	51.62	49.04	46.12	44.01	41.84
270.0	71.75	67.01	62.91	59.22	55.25	52.44	49.69	47.23	44.48
315.0	70.23	64.49	60.45	56.01	52.85	49.98	46.76	44.42	42.19
360.0	74.21	67.77	63.20	58.41	54.84	51.62	48.81	45.71	43.54
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.38	39.03	37.34	35.58	33.88	32.36	30.61	29.14	27.68
45.0	43.83	41.79	39.97	38.22	35.99	34.24	32.77	30.90	29.38
90.0	41.08	38.86	37.16	35.41	33.71	31.95	30.49	28.73	27.56
135.0	40.67	38.86	37.28	35.64	33.53	32.19	30.72	29.32	27.74
180.0	40.32	38.33	36.69	35.00	33.18	31.89	30.55	29.32	28.03
225.0	39.56	37.75	35.52	33.88	32.42	30.96	29.38	28.32	27.39
270.0	42.31	40.32	38.10	36.23	34.47	32.60	31.08	29.55	28.03
315.0	40.15	37.92	36.11	34.29	32.77	31.25	29.44	28.09	26.69
360.0	41.38	39.03	37.34	35.58	33.88	32.36	30.61	29.14	27.68
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.69	25.63	24.70	23.76	23.58	23.82	24.87	26.39	27.04
45.0	28.09	26.86	25.75	24.52	23.76	23.47	23.41	24.35	25.93
90.0	26.51	25.40	24.23	23.41	22.65	21.65	21.01	20.48	19.96
135.0	26.63	25.69	24.52	23.64	22.94	22.00	21.42	20.89	20.19
180.0	26.98	26.04	25.28	24.29	23.64	23.23	24.17	25.52	27.21
225.0	26.80	26.69	27.10	28.15	30.14	31.60	32.71	32.48	32.13
270.0	26.98	25.81	24.81	23.82	23.06	22.30	21.65	21.19	20.78
315.0	25.63	24.58	23.53	22.71	21.95	21.13	20.48	19.90	19.37
360.0	26.69	25.63	24.70	23.76	23.58	23.82	24.87	26.39	27.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.74	26.39	26.34	25.69	23.70	22.53	21.77	18.96	16.27
45.0	26.86	26.45	25.69	25.52	24.93	23.76	23.17	22.59	21.24
90.0	19.43	19.14	18.90	18.55	18.14	17.62	17.15	16.62	16.09
135.0	19.61	19.14	18.73	18.20	17.79	17.38	16.97	16.50	15.92
180.0	27.68	27.92	28.44	28.27	28.03	27.10	25.63	22.77	19.61
225.0	31.60	30.55	29.61	28.91	27.68	26.69	24.35	20.66	15.98
270.0	20.37	20.01	19.78	19.37	18.96	18.43	17.67	17.09	16.62
315.0	18.73	18.32	17.91	17.50	17.03	16.68	16.33	15.74	15.16
360.0	26.74	26.39	26.34	25.69	23.70	22.53	21.77	18.96	16.27
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.98	14.75	14.40	14.10	13.93	13.28	12.76	12.41	12.35
45.0	18.55	15.98	14.46	14.16	13.81	13.69	13.05	12.64	12.29
90.0	15.51	14.86	14.40	13.99	13.40	12.87	12.58	12.35	12.17
135.0	15.45	14.92	14.57	14.34	13.87	12.99	12.58	12.35	12.29
180.0	16.27	14.86	14.46	14.10	13.34	12.70	12.29	12.23	12.06
225.0	14.75	14.28	13.93	13.52	12.87	12.47	12.29	12.00	12.11
270.0	16.15	15.57	14.69	14.05	13.64	13.05	12.52	12.35	12.00
315.0	14.63	14.34	13.99	13.69	13.40	12.76	12.41	12.35	12.06
360.0	14.98	14.75	14.40	14.10	13.93	13.28	12.76	12.41	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.00
45.0	12.35
90.0	12.17
135.0	12.23
180.0	12.06
225.0	12.11
270.0	12.23
315.0	12.23
360.0	12.00