



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024322-B023

Ballast type: AC

Test No: 2024322-C023

Voltage(V): 34.780

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.068

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2861.02, Efficiency(%): 82.07% , Luminous Efficacy(lm/W): 142.57

Central intensity(cd): 7002.421, Maximum intensity(cd): 7002.421

Angle of maximum intensity: C=0.0 γ =0.0

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

[C90/270]Total=35.0

Field angle(10%Imax): [C0/180]Total=61.0

[C90/270]Total=61.0

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.07%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.856%

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	7002.422	0.000	0	0.00%	0.00%
1.0	6996.643	6.698	6.698	0.19%	0.23%
2.0	6981.281	20.062	26.761	0.58%	0.94%
3.0	6948.142	33.315	60.075	0.96%	2.10%
4.0	6898.545	46.349	106.425	1.33%	3.72%
5.0	6817.418	59.005	165.43	1.69%	5.78%
6.0	6689.400	70.982	236.412	2.04%	8.26%
7.0	6519.246	81.986	318.398	2.35%	11.13%
8.0	6300.737	91.750	410.148	2.63%	14.34%
9.0	6062.770	100.200	510.347	2.87%	17.84%
10.0	5789.177	107.256	617.603	3.08%	21.59%
11.0	5531.020	113.112	730.715	3.24%	25.54%
12.0	5224.143	117.569	848.285	3.37%	29.65%
13.0	4926.775	120.466	968.75	3.46%	33.86%
14.0	4601.536	121.962	1090.712	3.50%	38.12%
15.0	4283.686	121.980	1212.692	3.50%	42.39%
16.0	3961.008	120.808	1333.5	3.47%	46.61%
17.0	3661.665	118.705	1452.206	3.41%	50.76%
18.0	3368.248	115.908	1568.114	3.32%	54.81%
19.0	3075.782	112.113	1680.227	3.22%	58.73%
20.0	2792.460	107.405	1787.632	3.08%	62.48%
21.0	2519.233	101.995	1889.627	2.93%	66.05%
22.0	2273.731	96.317	1985.944	2.76%	69.41%
23.0	2039.860	90.511	2076.454	2.60%	72.58%
24.0	1817.548	84.337	2160.791	2.42%	75.53%
25.0	1591.234	77.508	2238.299	2.22%	78.23%
26.0	1324.876	68.835	2307.134	1.97%	80.64%
27.0	1208.950	61.991	2369.125	1.78%	82.81%
28.0	1067.816	57.643	2426.768	1.65%	84.82%
29.0	903.463	51.574	2478.342	1.48%	86.62%
30.0	772.117	45.240	2523.583	1.30%	88.21%
31.0	638.393	39.252	2562.835	1.13%	89.58%
32.0	532.862	33.555	2596.39	0.96%	90.75%
33.0	433.747	28.477	2624.867	0.82%	91.75%
34.0	350.418	23.731	2648.598	0.68%	92.58%
35.0	292.108	19.954	2668.552	0.57%	93.27%
36.0	245.056	17.103	2685.656	0.49%	93.87%
37.0	180.015	13.863	2699.519	0.40%	94.36%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	150.739	11.040	2710.559	0.32%	94.74%
39.0	110.359	8.912	2719.471	0.26%	95.05%
40.0	91.419	7.037	2726.509	0.20%	95.30%
41.0	76.789	5.990	2732.498	0.17%	95.51%
42.0	67.323	5.236	2737.734	0.15%	95.69%
43.0	60.644	4.740	2742.475	0.14%	95.86%
44.0	55.977	4.402	2746.876	0.13%	96.01%
45.0	52.209	4.158	2751.034	0.12%	96.16%
46.0	49.232	3.967	2755.001	0.11%	96.29%
47.0	46.628	3.813	2758.814	0.11%	96.43%
48.0	44.470	3.683	2762.496	0.11%	96.56%
49.0	42.568	3.574	2766.07	0.10%	96.68%
50.0	40.724	3.473	2769.543	0.10%	96.80%
51.0	39.115	3.378	2772.921	0.10%	96.92%
52.0	37.681	3.295	2776.216	0.09%	97.04%
53.0	36.299	3.218	2779.435	0.09%	97.15%
54.0	34.843	3.136	2782.57	0.09%	97.26%
55.0	33.621	3.056	2785.626	0.09%	97.36%
56.0	32.312	2.979	2788.606	0.09%	97.47%
57.0	30.980	2.894	2791.5	0.08%	97.57%
58.0	29.751	2.808	2794.308	0.08%	97.67%
59.0	28.669	2.731	2797.039	0.08%	97.76%
60.0	27.520	2.655	2799.694	0.08%	97.86%
61.0	26.540	2.580	2802.274	0.07%	97.95%
62.0	25.574	2.511	2804.785	0.07%	98.03%
63.0	24.784	2.449	2807.234	0.07%	98.12%
64.0	24.060	2.397	2809.631	0.07%	98.20%
65.0	23.533	2.355	2811.986	0.07%	98.29%
66.0	23.036	2.324	2814.31	0.07%	98.37%
67.0	22.736	2.302	2816.611	0.07%	98.45%
68.0	22.663	2.300	2818.911	0.07%	98.53%
69.0	22.809	2.320	2821.231	0.07%	98.61%
70.0	22.977	2.352	2823.582	0.07%	98.69%
71.0	23.263	2.390	2825.972	0.07%	98.77%
72.0	23.285	2.420	2828.392	0.07%	98.86%
73.0	22.875	2.414	2830.806	0.07%	98.94%
74.0	22.560	2.389	2833.195	0.07%	99.03%
75.0	22.217	2.366	2835.561	0.07%	99.11%

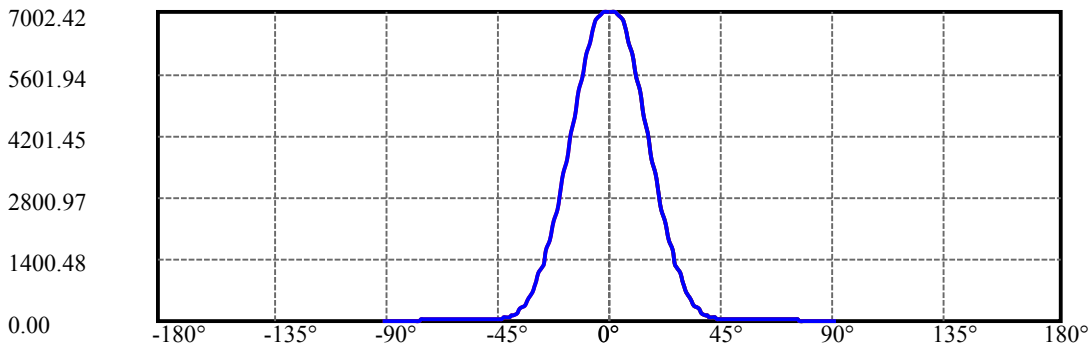
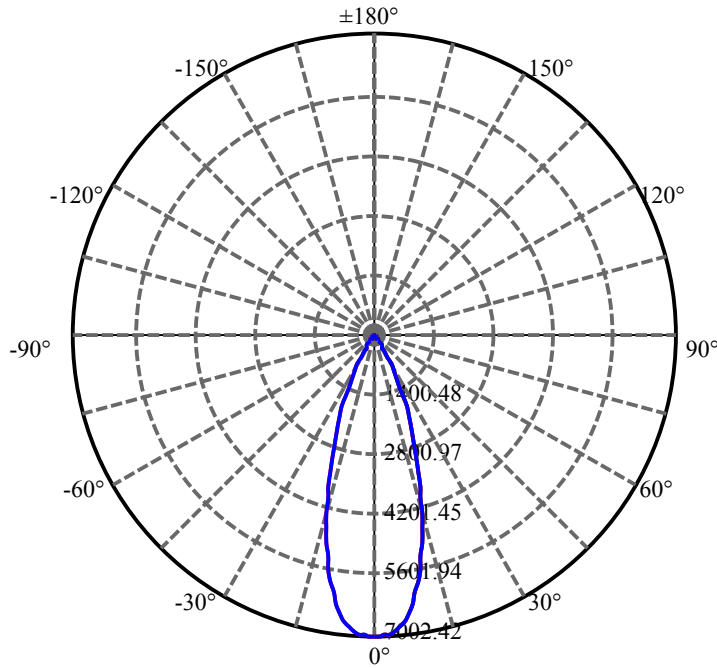
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.595	2.326	2837.886	0.07%	99.19%
77.0	20.819	2.261	2840.148	0.06%	99.27%
78.0	19.810	2.175	2842.323	0.06%	99.35%
79.0	18.405	2.053	2844.376	0.06%	99.42%
80.0	16.759	1.896	2846.272	0.05%	99.48%
81.0	15.355	1.737	2848.008	0.05%	99.55%
82.0	14.565	1.622	2849.631	0.05%	99.60%
83.0	14.060	1.556	2851.187	0.04%	99.66%
84.0	13.731	1.514	2852.701	0.04%	99.71%
85.0	13.321	1.476	2854.177	0.04%	99.76%
86.0	12.897	1.433	2855.611	0.04%	99.81%
87.0	12.480	1.389	2856.999	0.04%	99.86%
88.0	12.268	1.356	2858.355	0.04%	99.91%
89.0	12.143	1.338	2859.693	0.04%	99.95%
90.0	12.092	1.329	2861.022	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2523.58	72.39%	88.21%
0-40	2726.51	78.21%	95.30%
0-60	2799.69	80.31%	97.86%
0-90	2859.69	82.03%	99.95%
0-120	2859.69	82.03%	99.95%
0-180	2861.02	82.07%	100.00%
60-90	60.00	1.72%	2.10%
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%
0-25.73	2288.82	65.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	617.60
10-20	1170.03
20-30	735.95
30-40	202.93
40-50	43.03
50-60	30.15
60-70	23.89
70-80	22.69
80-90	13.42
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: —————

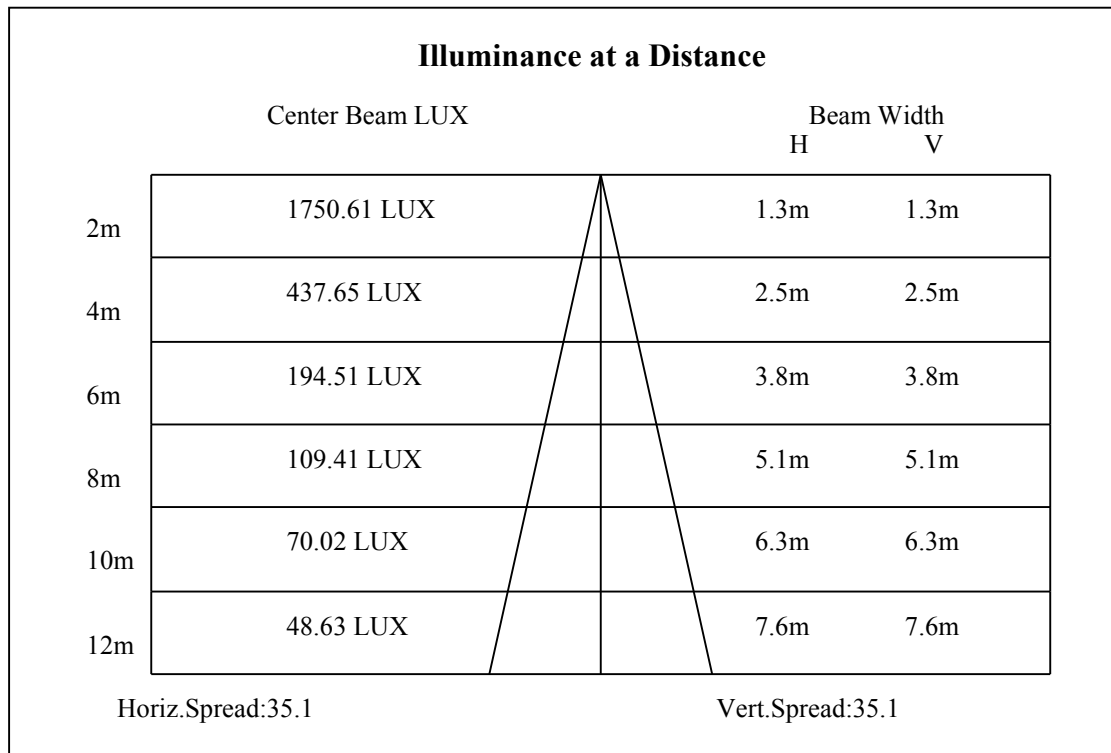
C90/C270: —————

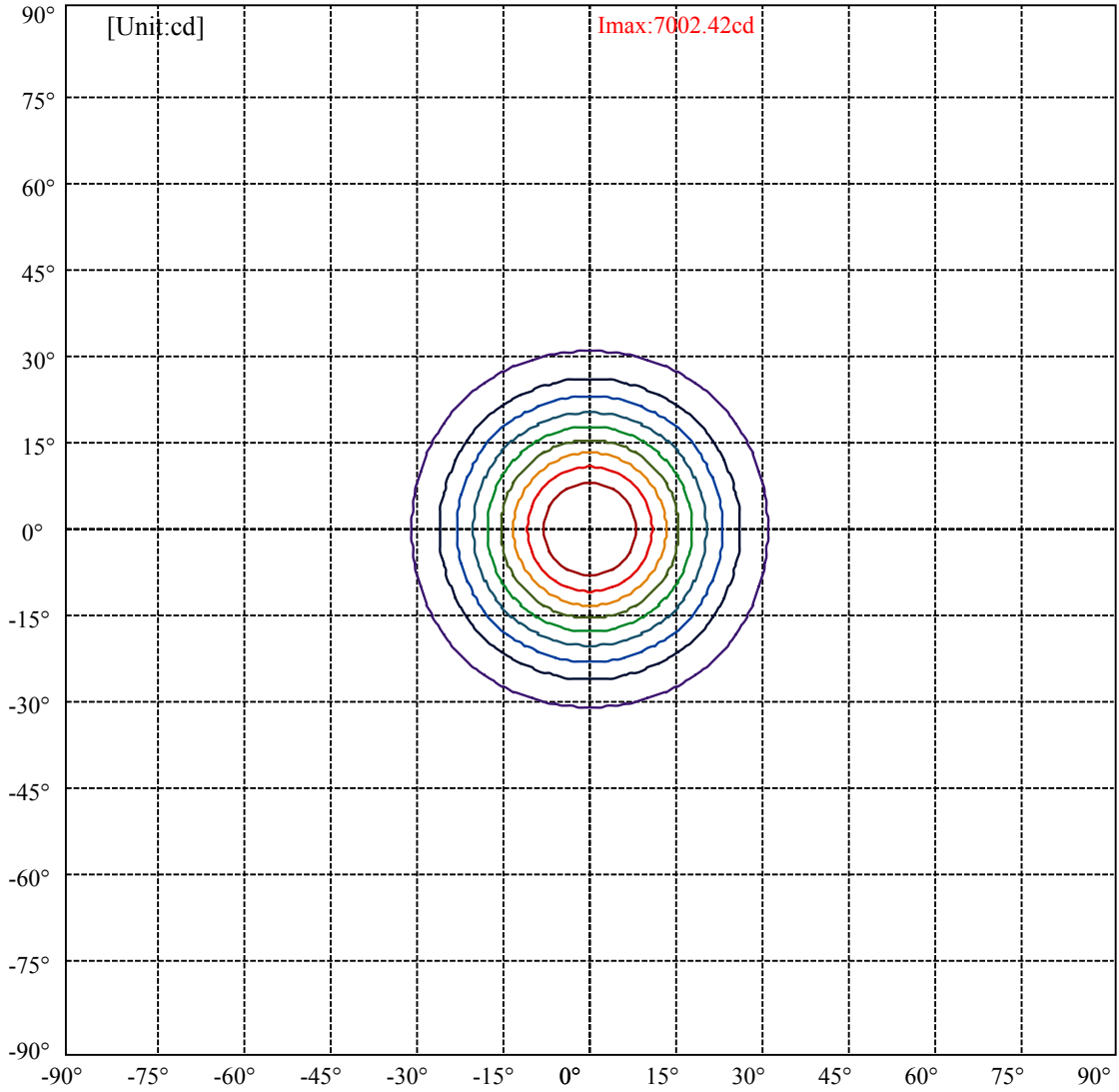
Field angle(10%Imax):C0/180Left:30.5 Right:30.5

:C90/270Left:30.5 Right:30.5

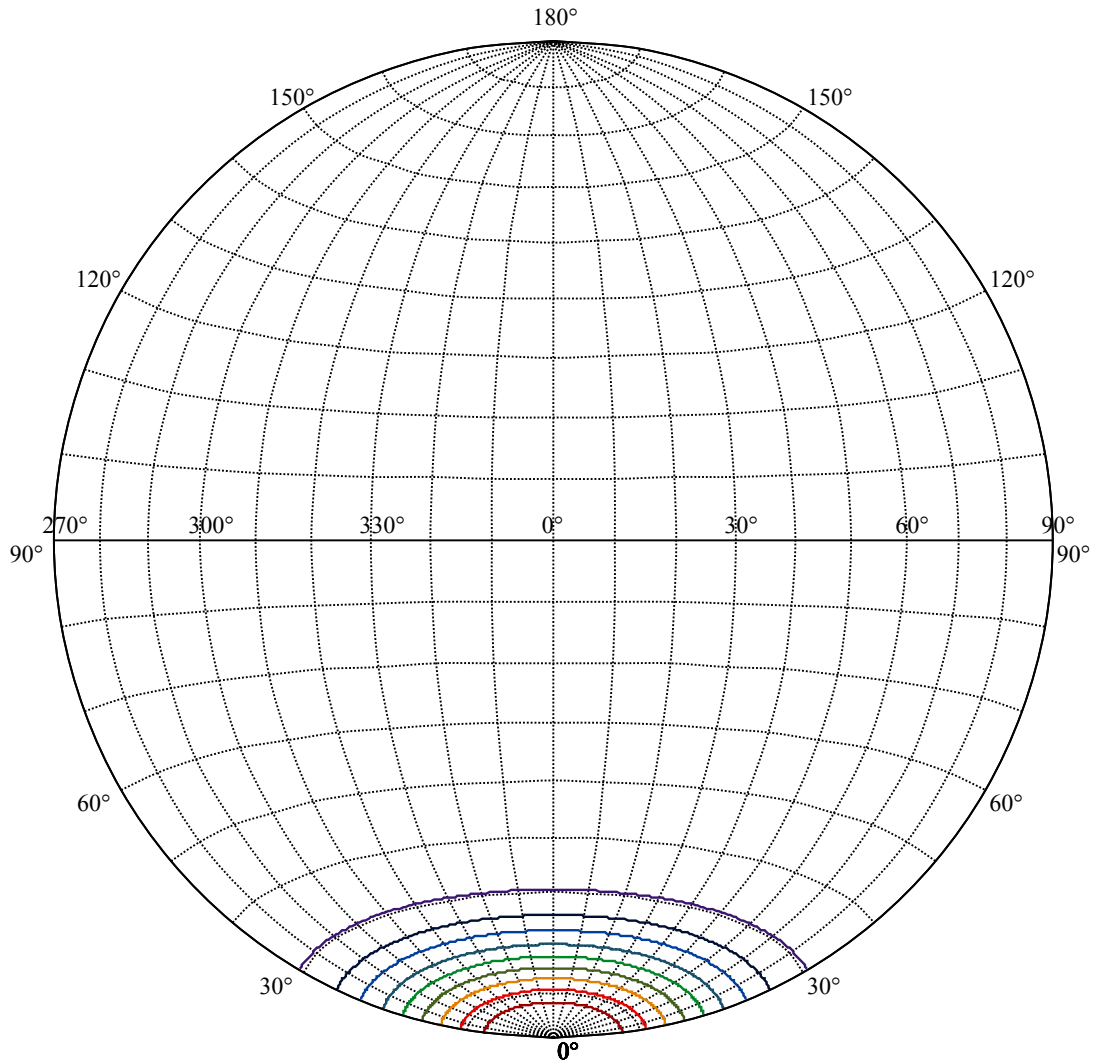
Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5

:C90/270Left:17.5 Right:17.5





(10%Imax) 700.242	—
(20%Imax) 1400.48	—
(30%Imax) 2100.73	—
(40%Imax) 2800.97	—
(50%Imax) 3501.21	—
(60%Imax) 4201.45	—
(70%Imax) 4901.69	—
(80%Imax) 5601.94	—
(90%Imax) 6302.18	—



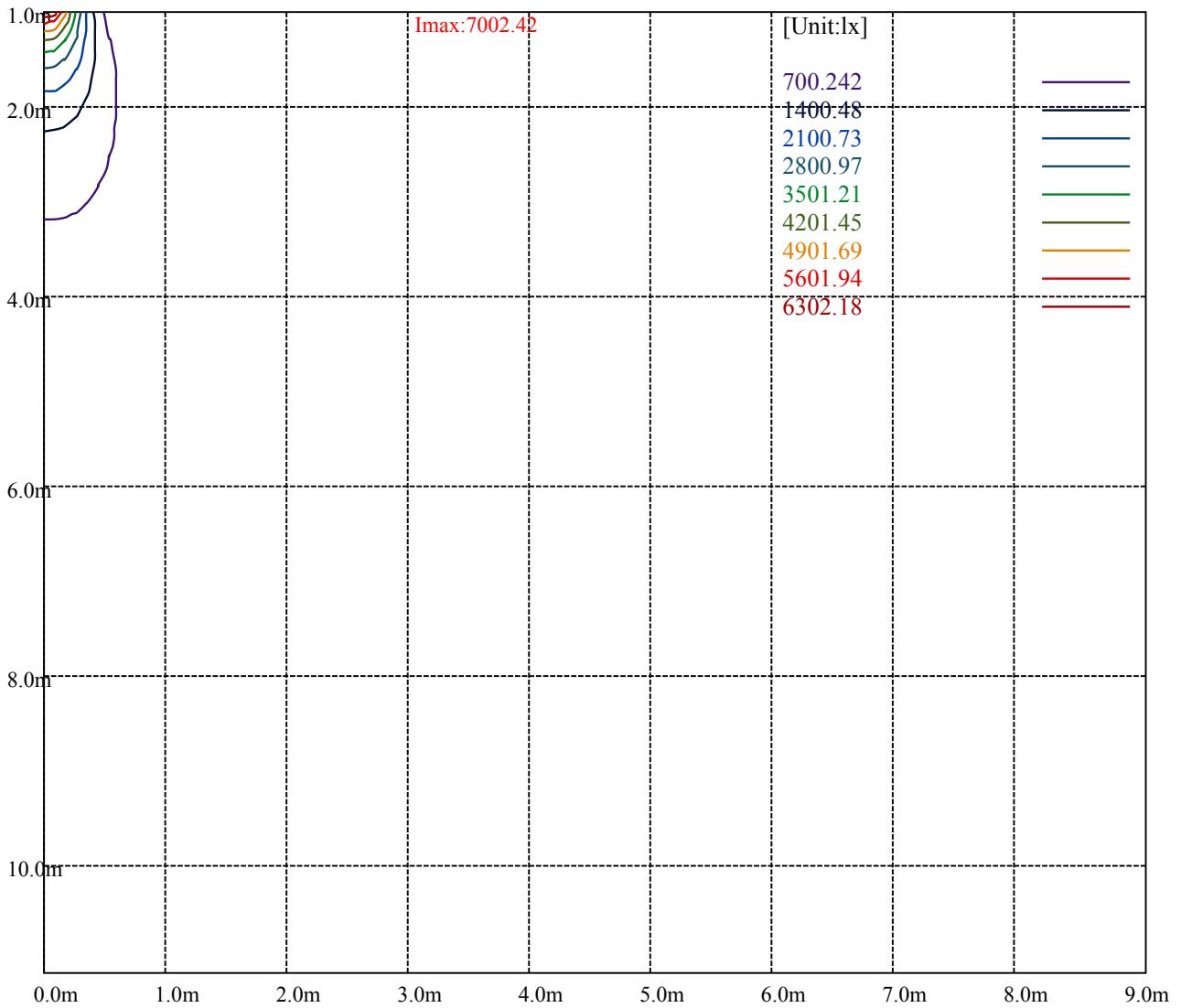
House

[Unit:cd]

Road

Imax:7002.42

(10%Imax)	700.242	—
(20%Imax)	1400.48	—
(30%Imax)	2100.73	—
(40%Imax)	2800.97	—
(50%Imax)	3501.21	—
(60%Imax)	4201.45	—
(70%Imax)	4901.69	—
(80%Imax)	5601.94	—
(90%Imax)	6302.18	—



Luminance Table

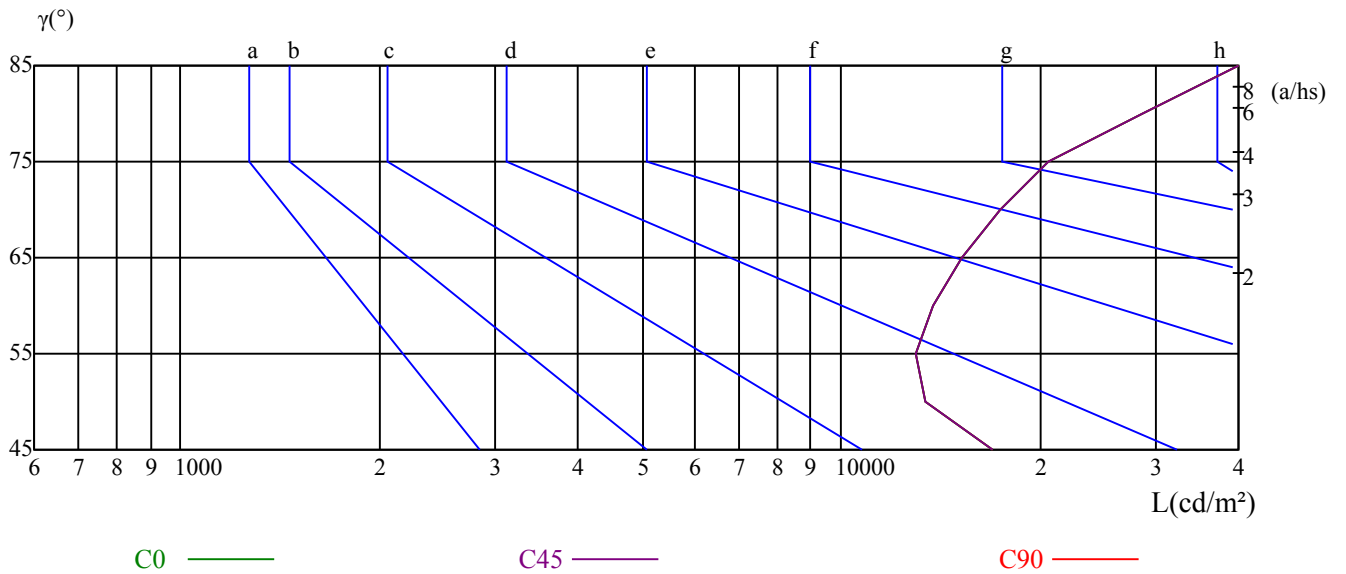
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

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

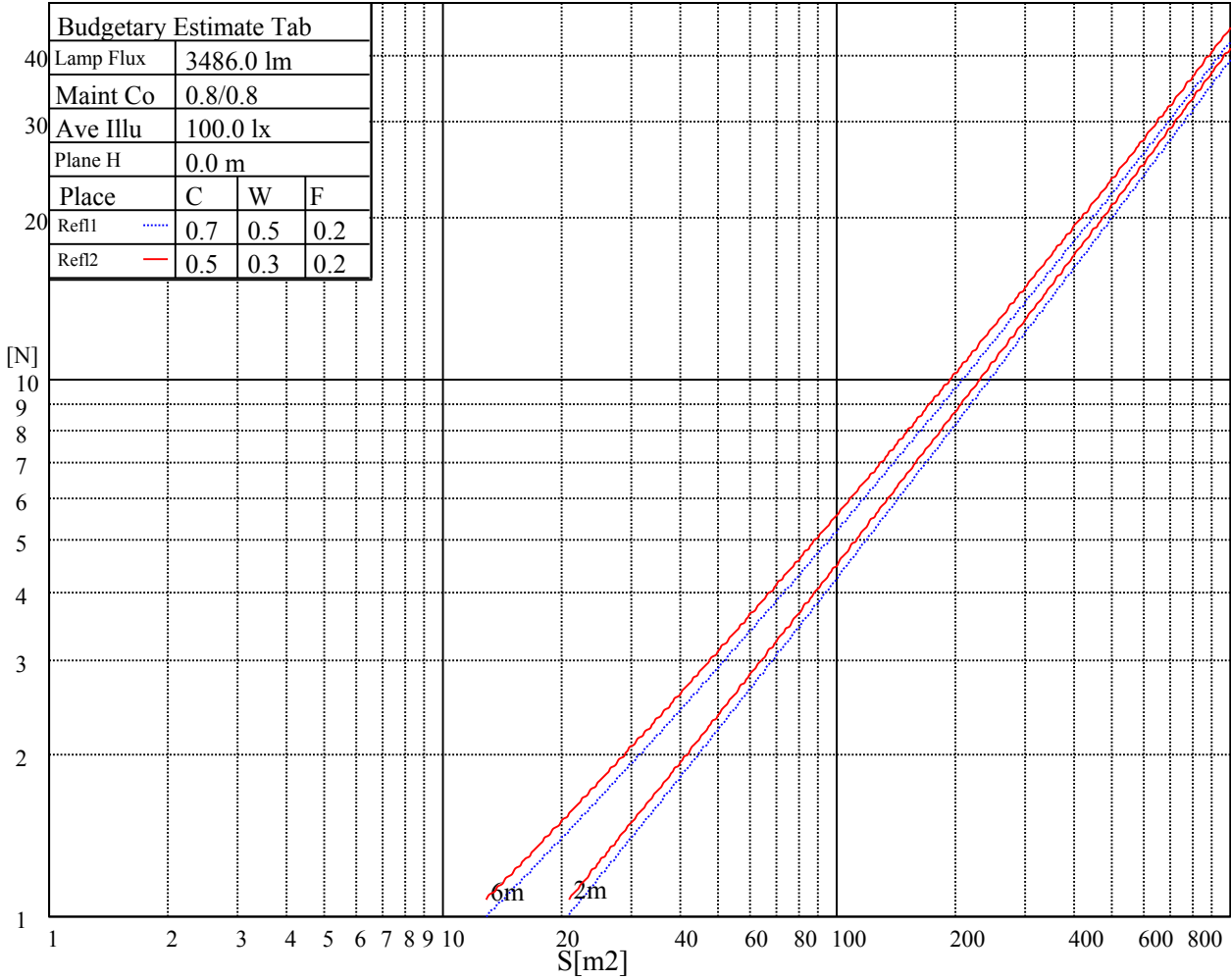
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

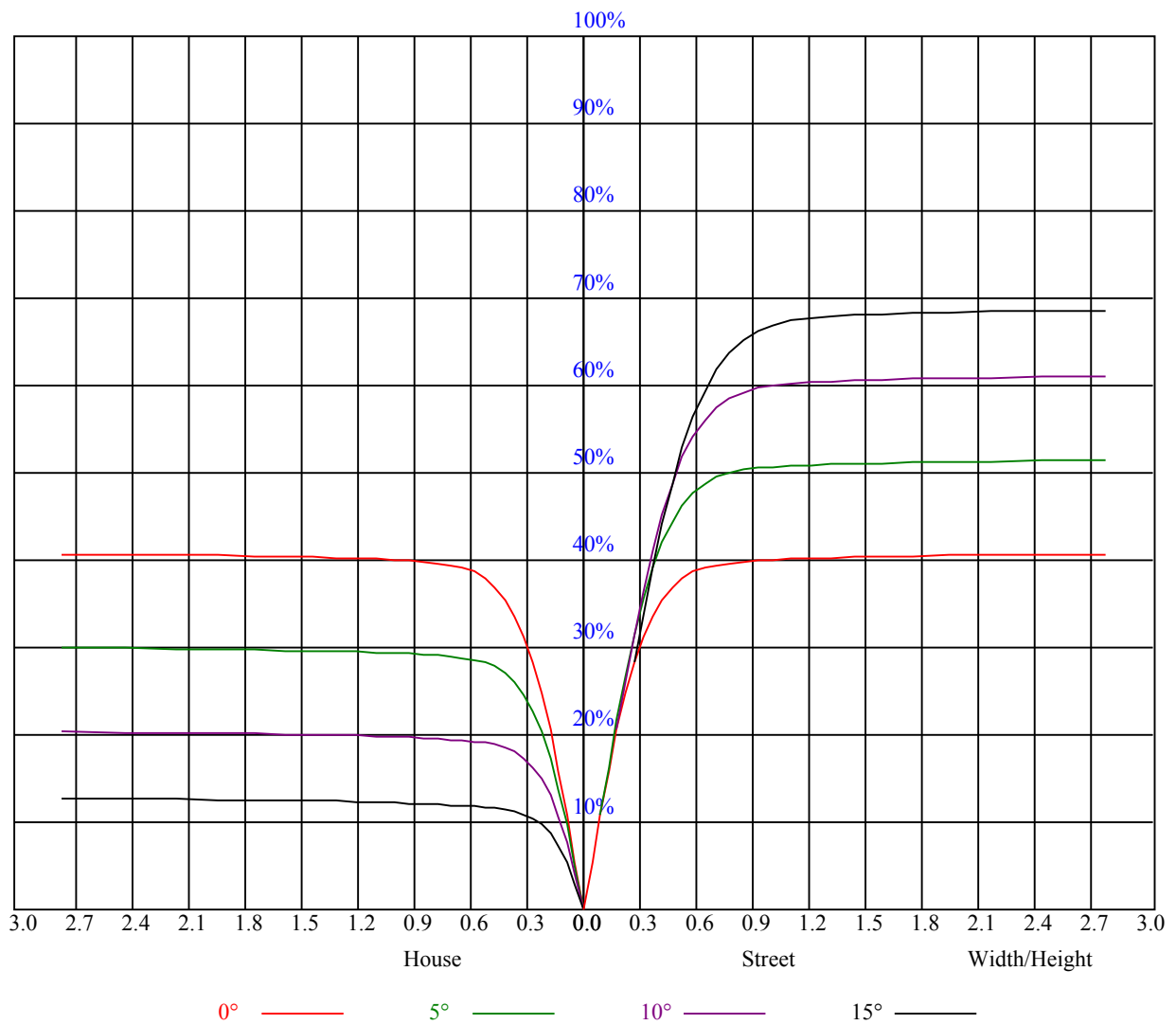


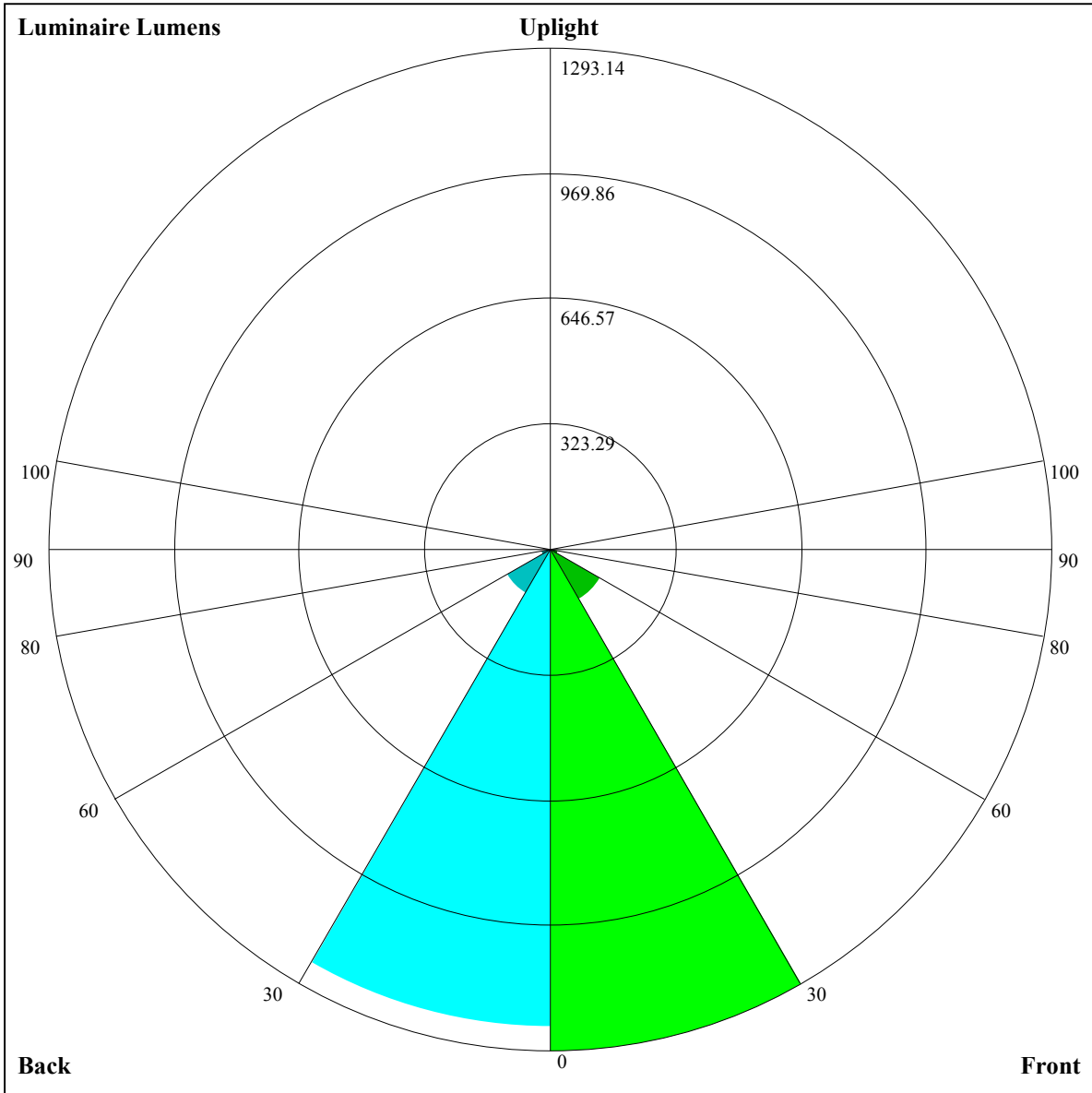
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.90	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78
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	0.78	0.76	0.75	0.74
3	0.81	0.78	0.75	0.80	0.77	0.75	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	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	0.60	0.64	0.61	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	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	0.58	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=1293.14,FM=147.61,FH=22.13,FVH=7.45

BL=1232.63,BM=132.05,BH=23.36,BVH=7.37

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	6999.35	6999.35	7010.47	6999.35	6947.26	6883.47	6782.82	6603.74	6403.01
45.0	7008.71	6987.06	6965.41	6940.83	6950.19	6919.17	6853.63	6775.21	6611.93
90.0	6982.96	6940.24	6923.27	6901.62	6861.24	6807.40	6690.35	6545.80	6361.45
135.0	7018.66	6993.50	6984.13	6968.33	6910.98	6855.38	6771.11	6648.21	6427.00
180.0	6999.35	7000.52	6997.59	6953.70	6898.69	6799.20	6672.79	6480.84	6201.10
225.0	7008.71	6987.06	6937.32	6884.65	6799.79	6658.75	6408.86	6178.28	5943.02
270.0	6982.96	7029.78	7022.76	6979.45	6919.17	6832.56	6709.66	6535.27	6284.20
315.0	7018.66	7035.63	7009.30	6957.21	6901.03	6783.40	6625.98	6386.62	6174.18
360.0	6999.35	6999.35	7010.47	6999.35	6947.26	6883.47	6782.82	6603.74	6403.01
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6102.78	5856.41	5608.85	5347.84	4987.93	4702.34	4400.37	4097.80	3738.48
45.0	6437.53	6222.76	5975.21	5645.72	5378.86	5088.00	4793.05	4417.34	4117.12
90.0	6134.39	5805.49	5532.78	5261.23	4965.11	4588.22	4290.93	3909.36	3623.19
135.0	6206.37	5889.76	5624.07	5294.59	5005.49	4713.46	4409.73	4031.09	3739.65
180.0	5959.99	5647.48	5388.23	5109.07	4815.88	4433.14	4128.24	3840.30	3570.52
225.0	5641.63	5384.71	5106.15	4742.72	4443.09	4142.28	3787.05	3510.82	3239.28
270.0	6077.62	5856.99	5612.37	5274.11	4988.52	4691.22	4303.80	4011.19	3671.17
315.0	5941.85	5649.82	5400.51	5117.85	4829.34	4453.62	4156.33	3870.15	3593.93
360.0	6102.78	5856.41	5608.85	5347.84	4987.93	4702.34	4400.37	4097.80	3738.48
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3469.27	3203.58	2936.72	2607.24	2364.95	2085.22	1880.39	1689.02	1160.68
45.0	3825.09	3549.45	3213.53	2949.01	2690.92	2384.27	2163.05	1906.72	1714.18
90.0	3349.89	3017.48	2754.71	2503.07	2208.11	1990.99	1790.26	1604.16	1131.94
135.0	3466.35	3196.56	2871.76	2616.01	2373.73	2149.59	1890.92	1698.97	1513.45
180.0	3228.74	2934.96	2686.24	2385.44	2144.32	1947.69	1705.99	1514.62	1340.81
225.0	2964.22	2634.74	2388.95	2165.98	1957.05	1714.77	1529.25	1144.35	1144.35
270.0	3388.51	3092.97	2772.85	2521.21	2267.81	2071.17	1847.03	1624.06	1433.27
315.0	3253.91	2976.51	2714.92	2405.92	2182.95	1975.19	1733.49	1547.98	1160.33
360.0	3469.27	3203.58	2936.72	2607.24	2364.95	2085.22	1880.39	1689.02	1160.68
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1160.68	1120.65	937.41	803.16	687.17	584.05	463.44	378.11	305.08
45.0	1527.50	1308.04	1142.42	989.09	849.81	697.06	592.31	494.57	406.79
90.0	1131.94	1055.16	910.38	777.76	635.20	537.47	425.28	347.21	280.62
135.0	1288.72	1118.42	927.64	826.40	677.16	575.33	458.87	377.53	306.72
180.0	1135.40	983.24	839.86	683.02	575.33	476.43	389.82	300.86	300.86
225.0	991.78	848.40	692.44	581.89	459.28	375.25	305.14	246.79	188.33
270.0	1275.26	1104.96	918.86	785.43	632.69	527.35	433.71	331.88	298.52
315.0	1160.33	1003.66	858.70	730.19	590.49	489.95	401.41	326.38	249.95
360.0	1160.68	1120.65	937.41	803.16	687.17	584.05	463.44	378.11	305.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	245.56	187.68	150.64	121.43	100.37	81.93	71.63	62.91	58.11
45.0	313.15	296.18	296.18	148.47	119.91	98.79	80.41	70.70	64.02
90.0	213.43	171.18	137.35	105.57	88.13	75.79	67.30	59.87	55.65
135.0	306.72	184.58	147.77	118.80	97.26	78.83	69.23	62.44	56.59
180.0	230.58	154.15	118.04	96.91	81.58	68.41	61.74	57.12	52.61
225.0	151.92	123.42	101.71	82.52	71.87	64.61	58.17	54.43	51.50
270.0	298.52	162.05	131.21	107.97	90.59	74.73	66.42	60.51	56.06
315.0	200.56	160.88	123.01	101.19	81.64	71.22	63.67	57.18	53.26
360.0	245.56	187.68	150.64	121.43	100.37	81.93	71.63	62.91	58.11

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	54.31	50.45	47.81	45.65	43.77	41.49	40.03	38.74	37.28
45.0	58.00	54.31	51.21	48.46	45.59	43.54	41.73	40.09	38.45
90.0	52.26	49.39	46.23	44.18	42.37	40.15	38.74	37.04	35.76
135.0	52.96	49.33	46.82	44.65	42.78	40.73	39.21	37.98	36.69
180.0	49.80	47.46	45.00	43.25	41.61	40.15	38.57	37.34	35.99
225.0	48.28	46.23	44.36	42.25	40.67	39.27	37.92	36.28	35.00
270.0	51.91	49.10	46.70	44.30	42.49	40.85	38.98	37.57	36.23
315.0	50.15	47.58	44.89	43.01	41.26	39.62	37.75	36.40	35.00
360.0	54.31	50.45	47.81	45.65	43.77	41.49	40.03	38.74	37.28
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.64	34.41	33.24	31.72	30.49	29.38	28.15	27.10	26.10
45.0	37.04	35.70	34.12	33.07	31.49	30.31	29.14	28.15	26.86
90.0	34.47	33.24	31.78	30.61	29.38	28.38	27.15	26.10	25.22
135.0	35.05	33.88	32.71	31.19	30.02	28.91	27.68	26.69	25.63
180.0	34.76	33.42	32.25	30.78	29.79	28.85	27.68	26.74	25.93
225.0	33.71	32.54	31.02	29.85	28.85	27.62	26.74	25.87	25.28
270.0	34.65	33.42	32.25	31.08	29.55	28.44	27.45	26.45	25.28
315.0	33.42	32.36	31.13	29.55	28.44	27.45	26.16	25.22	24.29
360.0	35.64	34.41	33.24	31.72	30.49	29.38	28.15	27.10	26.10
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.11	24.23	23.53	22.71	22.30	22.47	23.17	24.52	25.63
45.0	25.75	24.99	24.17	23.17	22.41	22.12	22.65	23.64	25.28
90.0	24.17	23.41	22.65	21.71	21.13	20.54	19.84	19.25	18.84
135.0	24.76	23.82	23.17	22.41	21.71	21.19	20.60	20.07	19.61
180.0	25.22	24.35	23.70	23.00	22.53	22.59	23.58	25.05	26.86
225.0	25.22	25.34	26.39	27.97	29.79	31.54	32.95	32.71	32.30
270.0	24.46	23.70	22.77	22.06	21.30	20.78	20.19	19.66	19.20
315.0	23.58	22.65	21.89	21.24	20.72	20.07	19.49	18.90	18.38
360.0	25.11	24.23	23.53	22.71	22.30	22.47	23.17	24.52	25.63
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.69	25.22	25.16	24.87	23.35	21.89	21.13	18.84	16.33
45.0	26.69	26.04	25.16	25.05	24.29	23.35	22.82	22.18	21.13
90.0	18.38	18.02	17.67	17.32	17.03	16.74	16.39	15.98	15.45
135.0	19.25	18.79	18.43	18.02	17.67	17.26	16.80	16.33	15.68
180.0	27.51	27.92	28.50	28.38	28.15	26.74	25.05	22.47	18.67
225.0	31.84	30.84	30.08	29.26	28.03	27.15	23.82	19.78	16.04
270.0	18.90	18.49	18.14	17.79	17.50	17.09	16.62	16.27	15.92
315.0	18.02	17.67	17.32	17.03	16.74	16.33	15.86	15.39	14.86
360.0	25.69	25.22	25.16	24.87	23.35	21.89	21.13	18.84	16.33
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.92	14.46	14.22	13.81	13.69	13.58	12.70	12.41	12.41
45.0	18.14	15.45	14.16	13.81	13.52	13.40	12.87	12.58	12.35
90.0	15.10	14.57	14.16	13.87	13.11	12.76	12.47	12.29	12.11
135.0	14.98	14.51	14.22	13.99	13.75	12.87	12.52	12.23	12.11
180.0	15.63	14.57	14.22	13.99	13.28	12.70	12.29	12.17	12.06
225.0	14.34	14.05	13.75	13.28	12.70	12.41	12.23	12.00	12.00
270.0	15.39	14.98	14.16	13.75	13.40	12.82	12.41	12.23	12.06
315.0	14.34	13.93	13.58	13.34	13.11	12.64	12.35	12.23	12.06
360.0	14.92	14.46	14.22	13.81	13.69	13.58	12.70	12.41	12.41

Intensity data(cd)

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