



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: 3-2807-L

Luminaire: 92.70.411.00

Report No: 2024403-B030

Ballast type: AC

Test No: 2024403-C030

Voltage(V): 34.420

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.894

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2880.70, Efficiency(%): 83.79% , Luminous Efficacy(lm/W): 144.80

Central intensity(cd): 6612.516, Maximum intensity(cd): 6612.516

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.4

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

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

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.79%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.692%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
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	6612.516	0.000	0	0.00%	0.00%
1.0	6595.764	6.320	6.32	0.18%	0.22%
2.0	6565.698	18.891	25.21	0.55%	0.88%
3.0	6519.831	31.296	56.507	0.91%	1.96%
4.0	6453.774	43.427	99.934	1.26%	3.47%
5.0	6364.234	55.142	155.076	1.60%	5.38%
6.0	6243.824	66.259	221.335	1.93%	7.68%
7.0	6081.351	76.502	297.837	2.23%	10.34%
8.0	5881.862	85.618	383.455	2.49%	13.31%
9.0	5669.938	93.621	477.076	2.72%	16.56%
10.0	5412.585	100.293	577.369	2.92%	20.04%
11.0	5159.622	105.638	683.007	3.07%	23.71%
12.0	4890.784	109.865	792.873	3.20%	27.52%
13.0	4627.506	112.958	905.831	3.29%	31.44%
14.0	4343.160	114.824	1020.654	3.34%	35.43%
15.0	4064.154	115.419	1136.074	3.36%	39.44%
16.0	3790.927	115.099	1251.173	3.35%	43.43%
17.0	3505.629	113.627	1364.8	3.31%	47.38%
18.0	3230.574	111.065	1475.865	3.23%	51.23%
19.0	2981.780	108.082	1583.947	3.14%	54.98%
20.0	2729.109	104.525	1688.472	3.04%	58.61%
21.0	2501.749	100.443	1788.915	2.92%	62.10%
22.0	2284.484	96.181	1885.097	2.80%	65.44%
23.0	2092.604	91.843	1976.94	2.67%	68.63%
24.0	1888.360	87.038	2063.978	2.53%	71.65%
25.0	1716.962	81.977	2145.955	2.38%	74.49%
26.0	1534.299	76.746	2222.702	2.23%	77.16%
27.0	1311.423	69.621	2292.323	2.03%	79.58%
28.0	1250.706	64.868	2357.191	1.89%	81.83%
29.0	1126.770	62.201	2419.392	1.81%	83.99%
30.0	983.851	56.986	2476.378	1.66%	85.96%
31.0	835.840	50.639	2527.018	1.47%	87.72%
32.0	695.672	43.876	2570.894	1.28%	89.25%
33.0	566.278	37.178	2608.071	1.08%	90.54%
34.0	441.633	30.502	2638.574	0.89%	91.59%
35.0	331.449	24.009	2662.583	0.70%	92.43%
36.0	250.301	18.523	2681.106	0.54%	93.07%
37.0	210.440	15.027	2696.133	0.44%	93.59%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.501	11.313	2707.446	0.33%	93.99%
39.0	105.677	7.993	2715.439	0.23%	94.26%
40.0	95.626	7.021	2722.46	0.20%	94.51%
41.0	87.462	6.520	2728.979	0.19%	94.73%
42.0	81.390	6.135	2735.114	0.18%	94.95%
43.0	75.589	5.815	2740.929	0.17%	95.15%
44.0	70.724	5.522	2746.451	0.16%	95.34%
45.0	66.635	5.279	2751.73	0.15%	95.52%
46.0	63.029	5.071	2756.801	0.15%	95.70%
47.0	59.934	4.891	2761.692	0.14%	95.87%
48.0	57.125	4.732	2766.424	0.14%	96.03%
49.0	54.762	4.595	2771.019	0.13%	96.19%
50.0	52.539	4.474	2775.492	0.13%	96.35%
51.0	50.549	4.361	2779.854	0.13%	96.50%
52.0	48.793	4.263	2784.117	0.12%	96.65%
53.0	46.913	4.163	2788.28	0.12%	96.79%
54.0	45.216	4.061	2792.341	0.12%	96.93%
55.0	43.511	3.961	2796.301	0.12%	97.07%
56.0	41.653	3.848	2800.15	0.11%	97.20%
57.0	39.722	3.721	2803.87	0.11%	97.33%
58.0	37.871	3.588	2807.458	0.10%	97.46%
59.0	35.955	3.451	2810.91	0.10%	97.58%
60.0	34.192	3.314	2814.224	0.10%	97.69%
61.0	32.429	3.179	2817.403	0.09%	97.80%
62.0	30.724	3.043	2820.446	0.09%	97.91%
63.0	29.349	2.922	2823.368	0.08%	98.01%
64.0	27.901	2.809	2826.177	0.08%	98.11%
65.0	26.811	2.708	2828.885	0.08%	98.20%
66.0	25.969	2.633	2831.518	0.08%	98.29%
67.0	25.384	2.582	2834.1	0.08%	98.38%
68.0	24.792	2.542	2836.642	0.07%	98.47%
69.0	24.353	2.507	2839.149	0.07%	98.56%
70.0	24.119	2.489	2841.639	0.07%	98.64%
71.0	23.870	2.480	2844.119	0.07%	98.73%
72.0	23.533	2.465	2846.584	0.07%	98.82%
73.0	23.248	2.446	2849.03	0.07%	98.90%
74.0	22.977	2.430	2851.46	0.07%	98.98%
75.0	22.553	2.406	2853.866	0.07%	99.07%

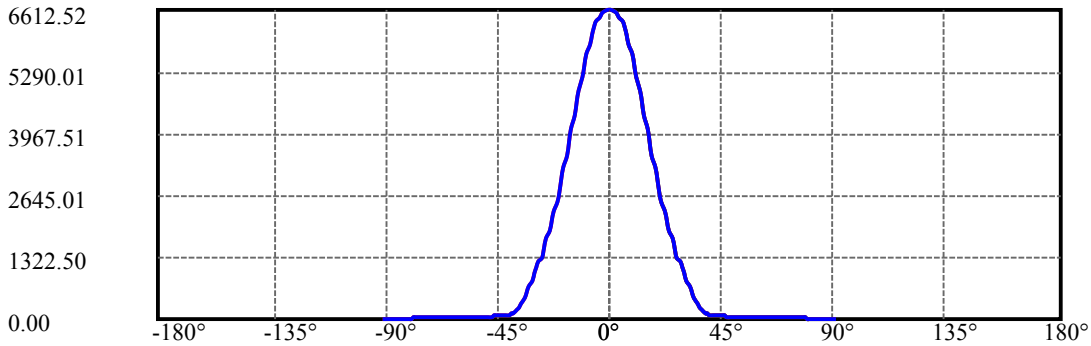
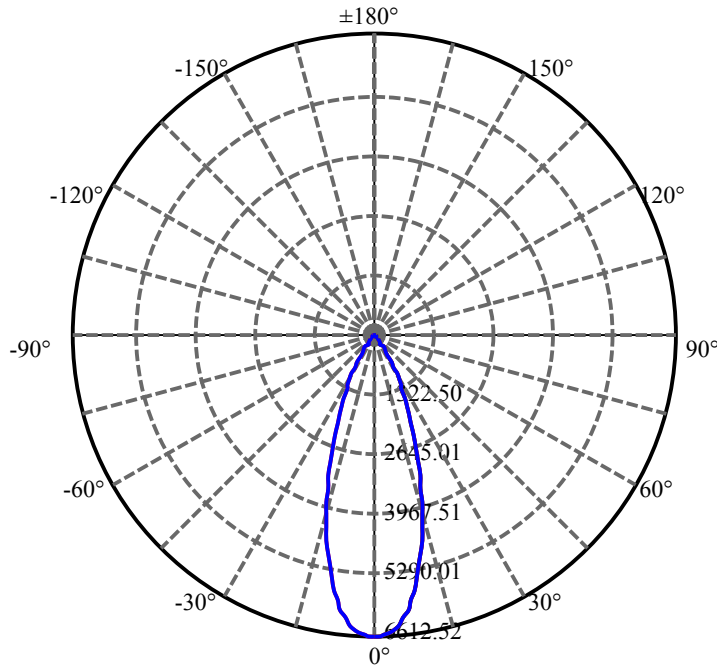
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.078	2.369	2856.235	0.07%	99.15%
77.0	21.595	2.328	2858.563	0.07%	99.23%
78.0	20.973	2.279	2860.842	0.07%	99.31%
79.0	20.146	2.209	2863.051	0.06%	99.39%
80.0	19.108	2.116	2865.168	0.06%	99.46%
81.0	17.630	1.987	2867.154	0.06%	99.53%
82.0	15.662	1.805	2868.96	0.05%	99.59%
83.0	14.631	1.647	2870.607	0.05%	99.65%
84.0	14.170	1.569	2872.176	0.05%	99.70%
85.0	13.636	1.518	2873.693	0.04%	99.76%
86.0	13.197	1.467	2875.16	0.04%	99.81%
87.0	12.787	1.422	2876.582	0.04%	99.86%
88.0	12.575	1.389	2877.971	0.04%	99.91%
89.0	12.414	1.370	2879.341	0.04%	99.95%
90.0	12.392	1.360	2880.701	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2476.38	72.03%	85.96%
0-40	2722.46	79.19%	94.51%
0-60	2814.22	81.86%	97.69%
0-90	2879.34	83.75%	99.95%
0-120	2879.34	83.75%	99.95%
0-180	2880.70	83.79%	100.00%
60-90	65.12	1.89%	2.26%
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%
0-27.19	2304.56	67.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	577.37
10-20	1111.10
20-30	787.91
30-40	246.08
40-50	53.03
50-60	38.73
60-70	27.41
70-80	23.53
80-90	14.17
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: —————

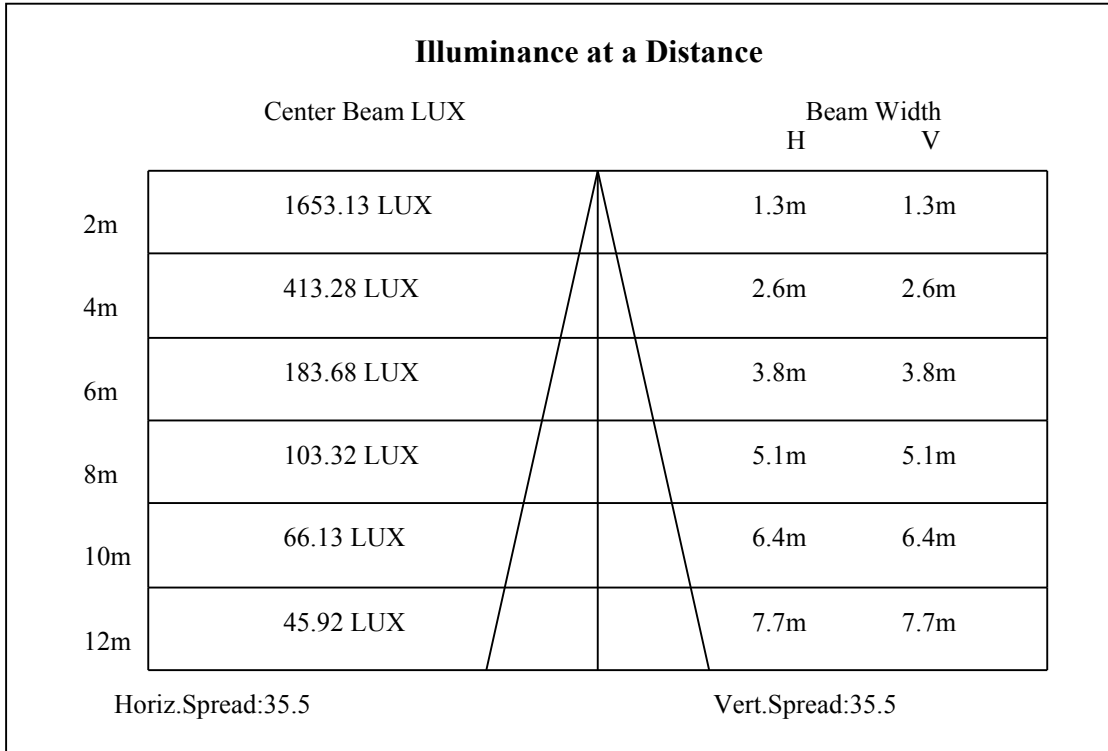
C90/C270: —————

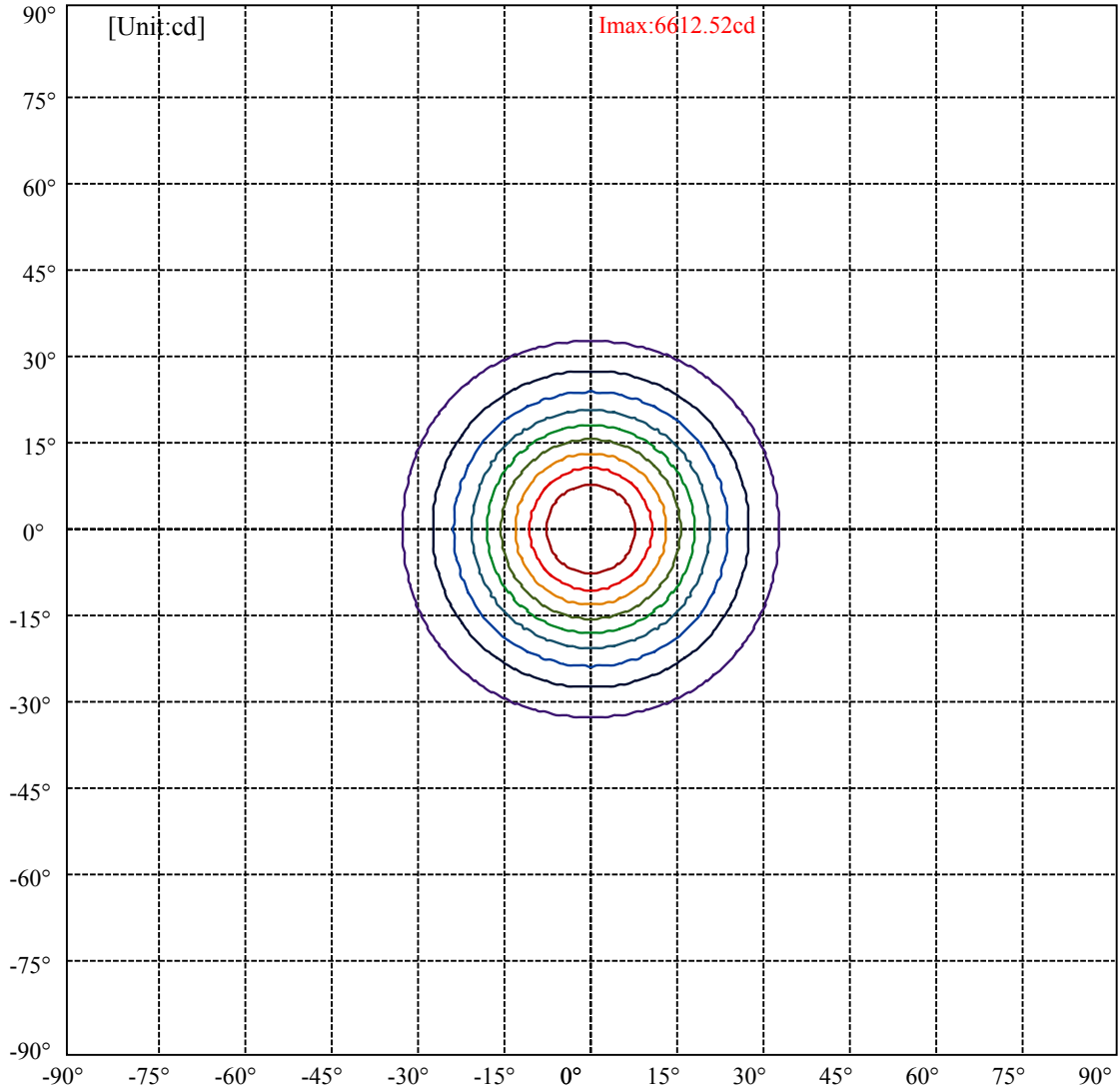
Field angle(10%Imax):C0/180Left:32.3 Right:32.3

:C90/270Left:32.3 Right:32.3

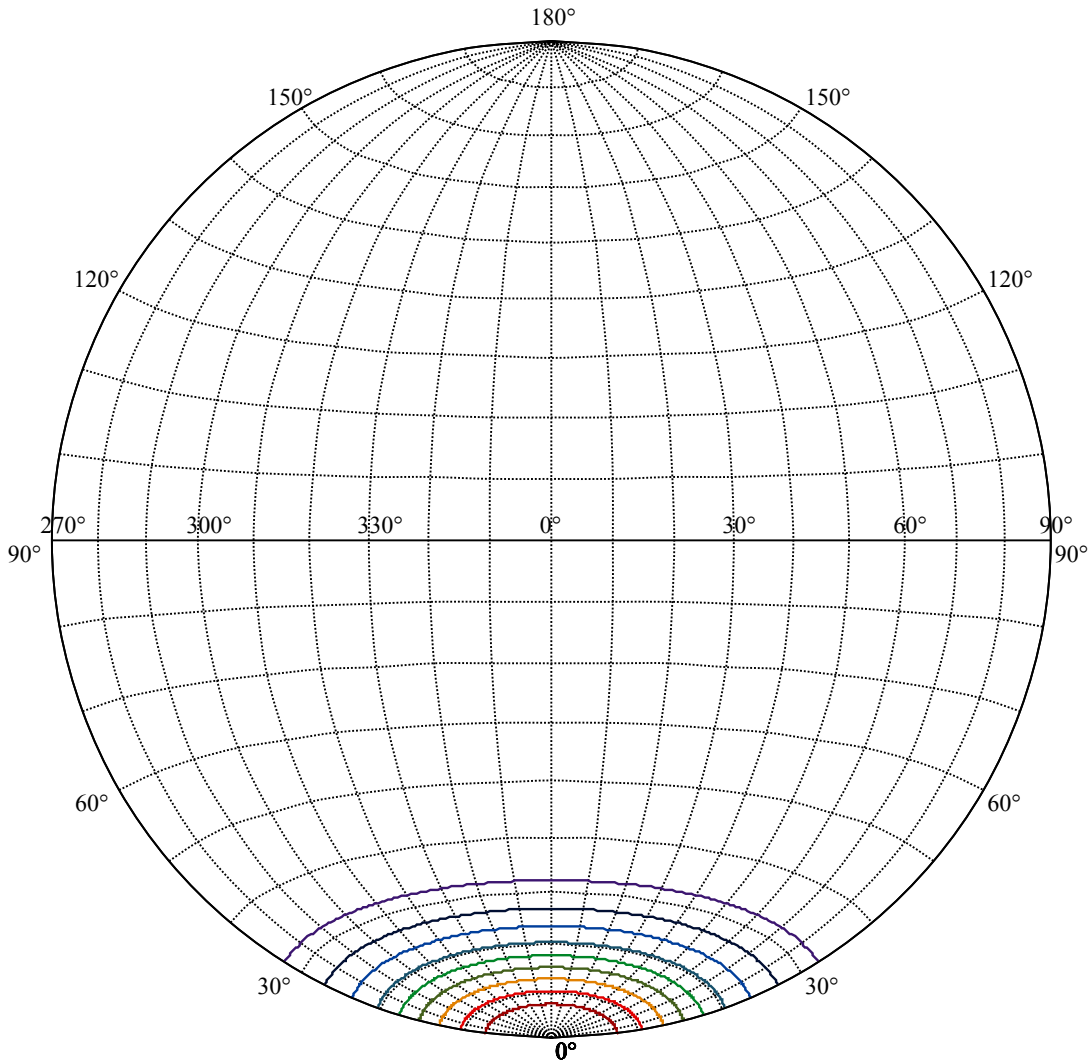
Beam Angle(50%Imax):C0/180Left:17.7 Right:17.7

:C90/270Left:17.7 Right:17.7





(10%Imax) 661.252	—
(20%Imax) 1322.5	—
(30%Imax) 1983.75	—
(40%Imax) 2645.01	—
(50%Imax) 3306.26	—
(60%Imax) 3967.51	—
(70%Imax) 4628.76	—
(80%Imax) 5290.01	—
(90%Imax) 5951.26	—



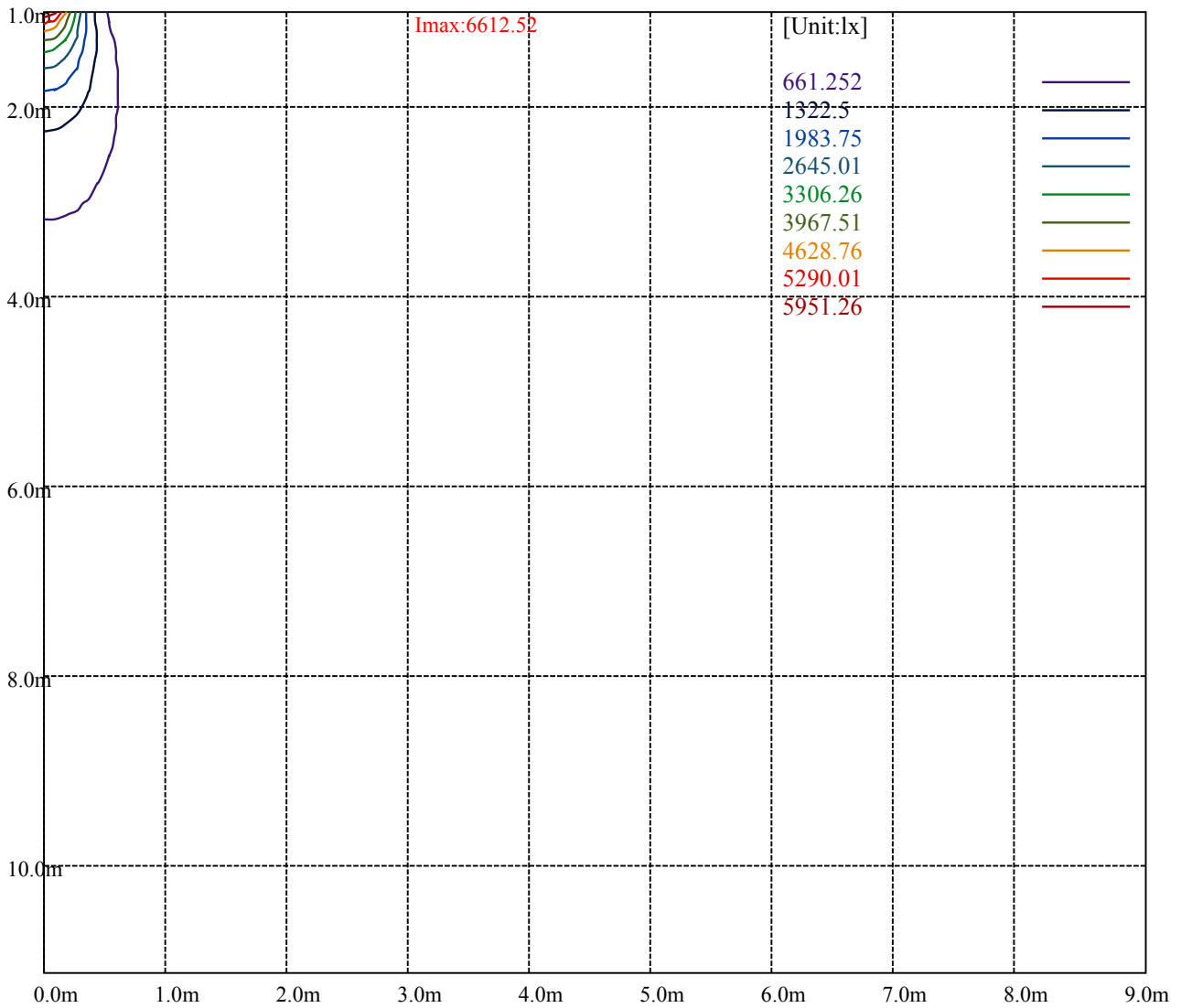
House

[Unit:cd]

Road

Imax:6612.52

(10%Imax) 661.252	—
(20%Imax) 1322.5	—
(30%Imax) 1983.75	—
(40%Imax) 2645.01	—
(50%Imax) 3306.26	—
(60%Imax) 3967.51	—
(70%Imax) 4628.76	—
(80%Imax) 5290.01	—
(90%Imax) 5951.26	—



Luminance Table

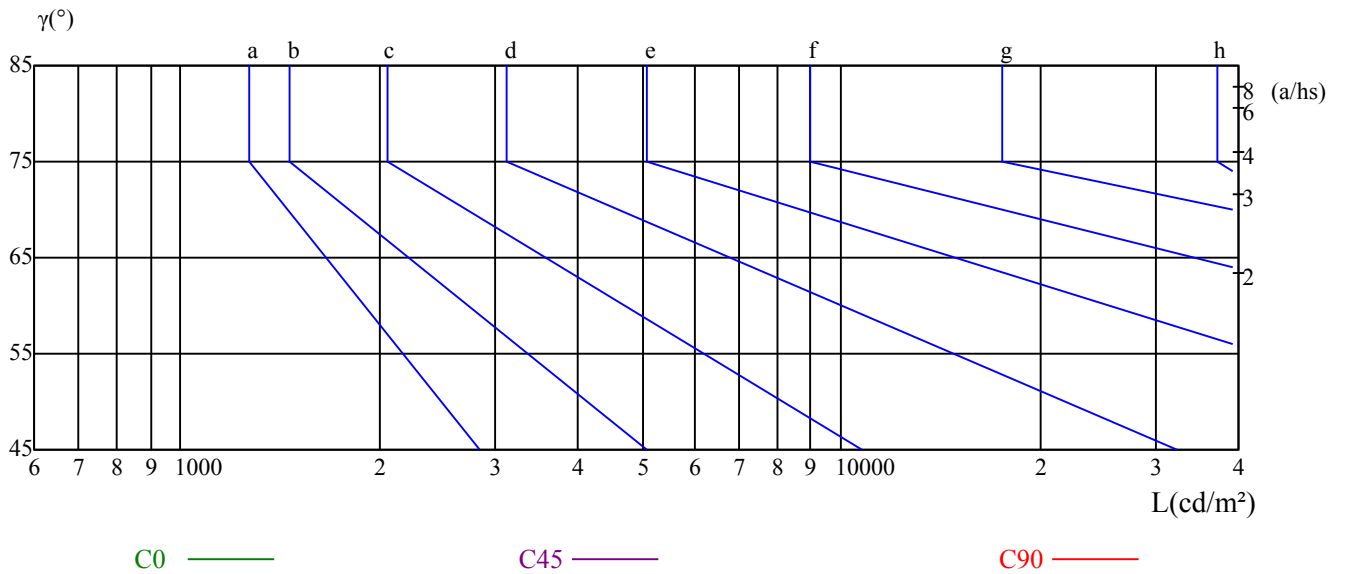
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

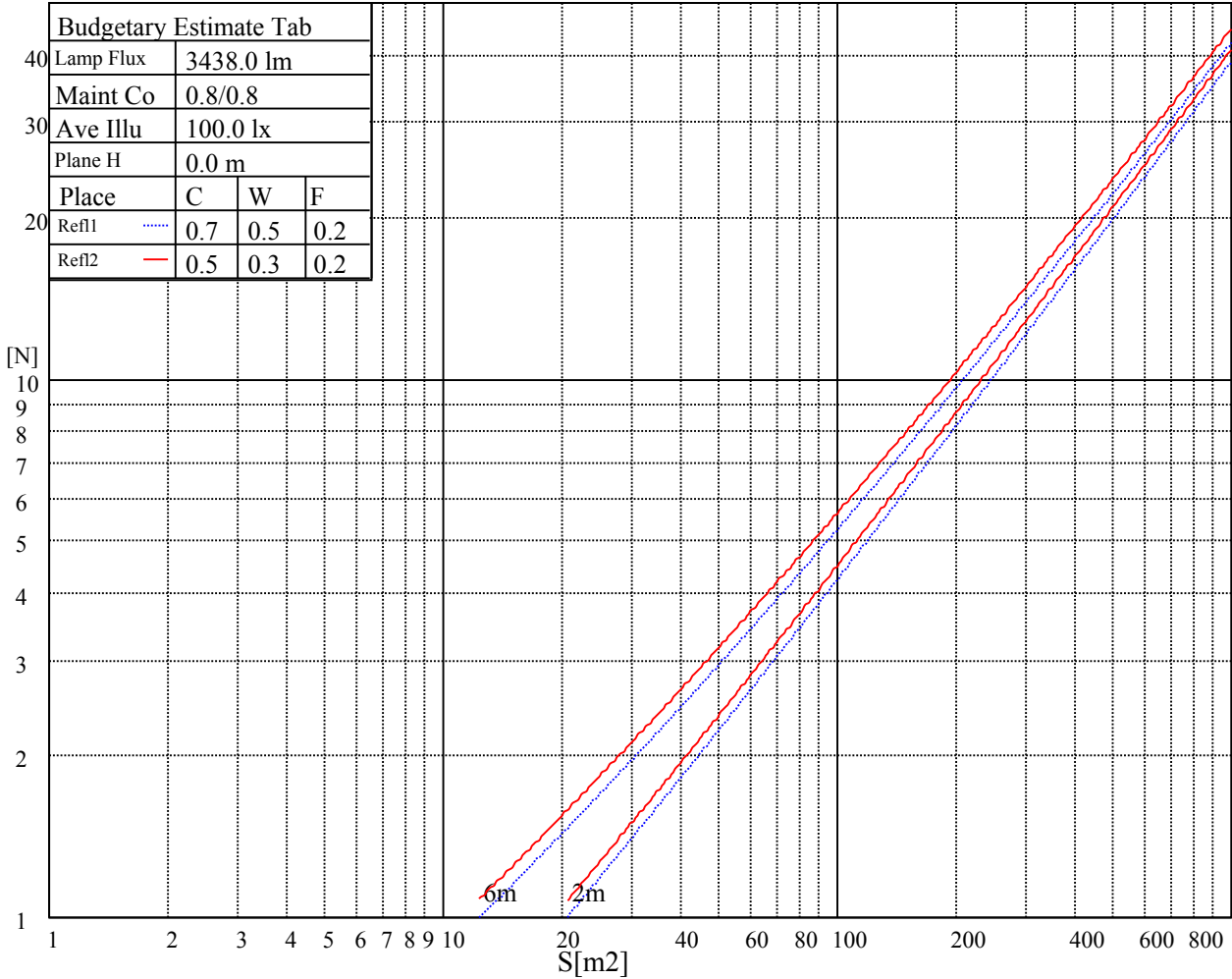
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

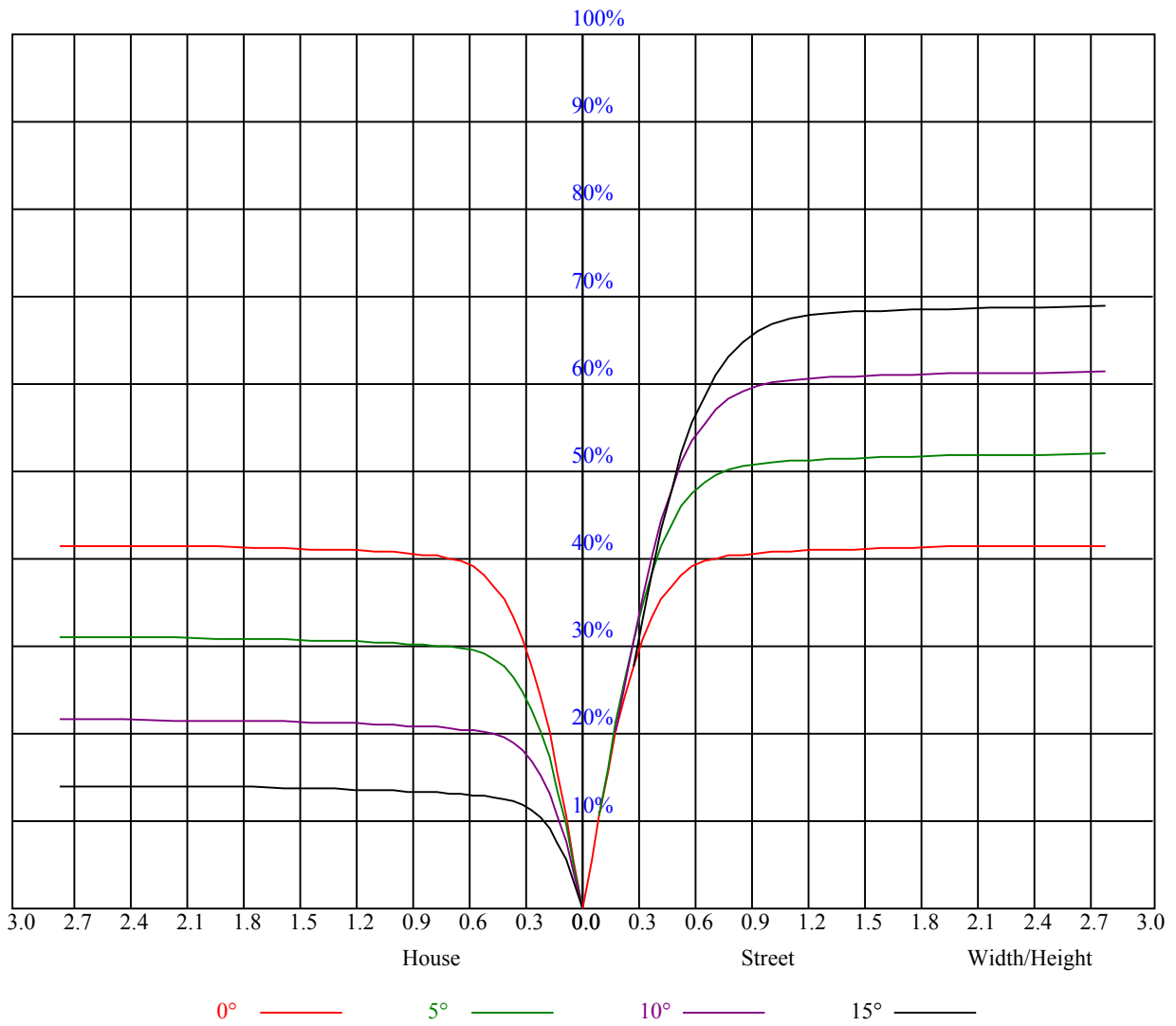


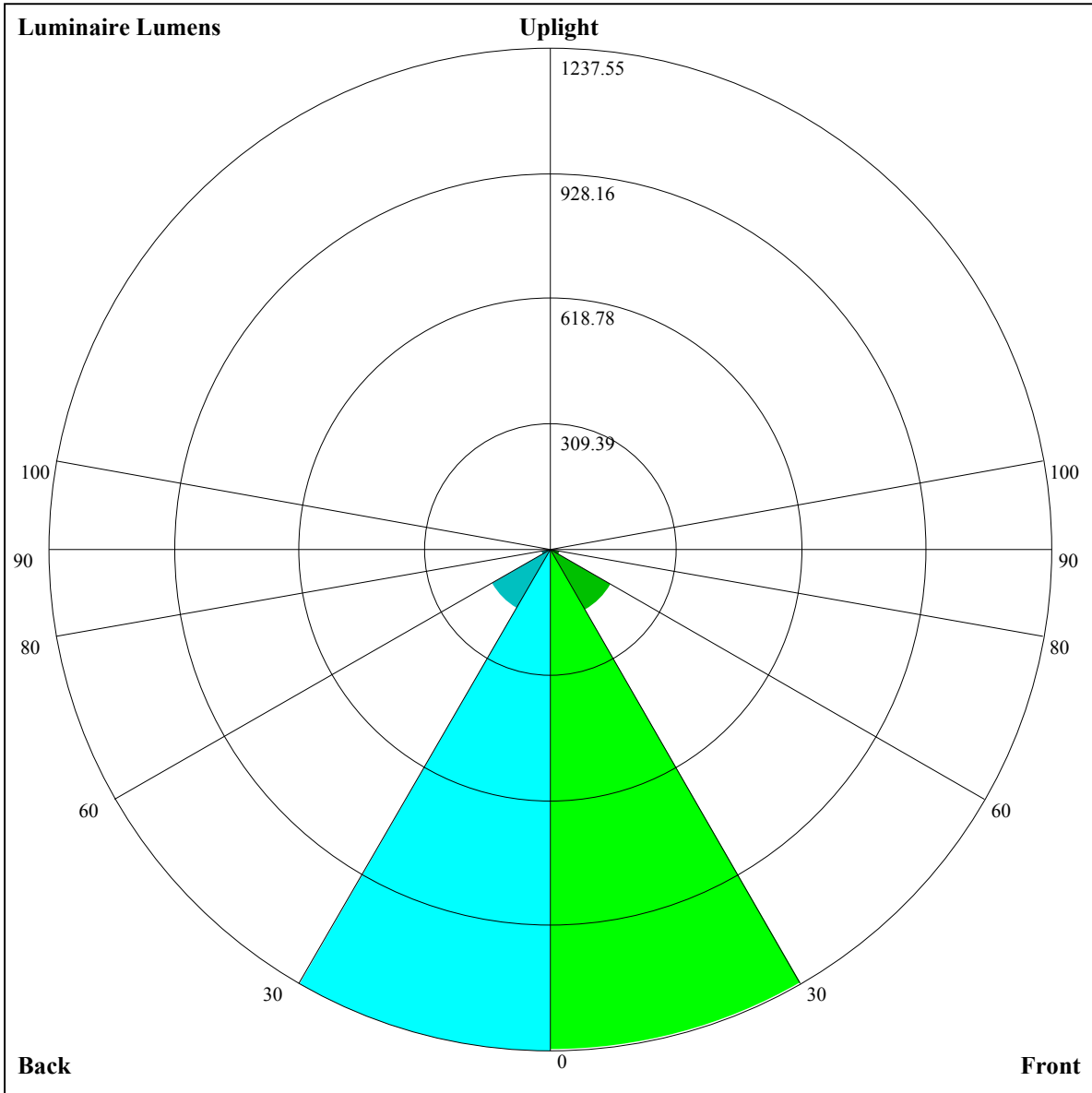
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
	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
8H	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
12H	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 RHOF=20 CU															
0	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	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	0.68	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	0.60	0.57	0.64	0.60	0.57	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	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.53
10	0.60	0.55	0.53	0.59	0.55	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=1233.8,FM=172.61,FH=25.35,FVH=7.8

BL=1237.55,BM=169.89,BH=25.12,BVH=7.74

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	6624.81	6590.86	6546.97	6498.40	6432.27	6319.90	6198.18	5998.61	5814.85
45.0	6601.98	6617.20	6611.93	6580.33	6522.39	6467.38	6345.65	6222.76	6022.61
90.0	6622.46	6611.35	6583.25	6524.15	6466.79	6362.62	6230.36	6026.12	5840.60
135.0	6600.81	6620.12	6618.95	6582.08	6538.19	6473.82	6381.35	6246.75	6052.46
180.0	6624.81	6618.37	6596.71	6567.45	6486.11	6419.98	6314.05	6181.20	5961.16
225.0	6601.98	6553.41	6514.20	6464.45	6374.91	6254.94	6106.88	5938.92	5734.09
270.0	6622.46	6597.89	6556.33	6507.18	6445.73	6372.57	6270.74	6102.20	5941.26
315.0	6600.81	6556.92	6497.23	6434.61	6363.80	6242.65	6103.37	5934.24	5687.86
360.0	6624.81	6590.86	6546.97	6498.40	6432.27	6319.90	6198.18	5998.61	5814.85
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5601.83	5317.41	5076.30	4817.05	4560.72	4241.77	3984.27	3727.36	3477.47
45.0	5833.58	5630.51	5350.77	5103.22	4871.47	4613.39	4350.62	4031.67	3771.83
90.0	5628.17	5404.61	5107.90	4860.94	4598.17	4339.50	4010.02	3748.42	3422.45
135.0	5865.18	5597.15	5372.42	5078.06	4828.75	4572.42	4313.75	3987.78	3722.67
180.0	5766.87	5492.98	5255.96	4992.61	4671.91	4395.68	4135.84	3878.34	3556.47
225.0	5449.67	5200.37	4948.72	4621.00	4354.72	4026.41	3757.20	3499.12	3233.43
270.0	5745.80	5480.11	5238.99	4977.40	4710.53	4453.62	4110.68	3860.20	3521.36
315.0	5468.40	5177.54	4925.90	4676.01	4423.77	4102.49	3850.84	3594.51	3339.35
360.0	5601.83	5317.41	5076.30	4817.05	4560.72	4241.77	3984.27	3727.36	3477.47
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3171.39	2940.23	2714.33	2445.13	2249.08	2062.39	1841.18	1676.73	1488.87
45.0	3513.16	3263.27	2965.98	2737.16	2466.78	2270.73	2083.46	1862.24	1692.53
90.0	3171.98	2877.02	2661.66	2449.23	2250.25	2018.50	1842.93	1672.05	1522.81
135.0	3463.42	3214.70	2917.41	2692.68	2478.49	2280.68	2043.08	1866.93	1648.64
180.0	3298.97	3040.30	2801.53	2535.84	2336.28	2143.15	1913.16	1754.56	1553.83
225.0	2926.18	2705.55	2479.07	2278.34	2053.03	1881.56	1717.11	1563.19	1323.25
270.0	3266.78	3013.97	2707.89	2497.80	2303.50	2120.91	1906.72	1740.52	1586.60
315.0	3032.69	2799.19	2585.00	2377.83	2138.47	1962.90	1759.24	1599.48	1457.85
360.0	3171.39	2940.23	2714.33	2445.13	2249.08	2062.39	1841.18	1676.73	1488.87
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1144.58	1144.58	1110.52	938.12	805.39	679.21	560.59	418.32	313.80
45.0	1530.42	1406.35	1251.85	1117.25	983.82	845.71	684.19	561.29	445.41
90.0	1166.59	1166.59	1091.03	948.30	774.72	644.80	523.13	380.40	281.20
135.0	1494.14	1368.90	1200.94	1065.17	920.62	787.77	628.59	513.30	402.11
180.0	1418.06	1303.35	1134.22	989.09	852.73	677.75	560.12	447.76	341.83
225.0	1160.03	1160.03	996.23	851.33	723.75	572.06	460.28	354.65	236.78
270.0	1415.72	1293.99	1173.43	1041.17	875.56	737.44	609.86	463.56	359.39
315.0	1161.85	1161.85	1055.92	920.38	750.14	620.63	503.47	393.80	271.08
360.0	1144.58	1144.58	1110.52	938.12	805.39	679.21	560.59	418.32	313.80
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	223.73	154.38	111.78	100.89	92.29	84.04	78.30	72.39	68.41
45.0	311.40	311.40	201.32	114.47	103.94	93.28	86.61	81.00	75.79
90.0	184.23	139.17	119.09	108.15	97.26	89.89	83.92	78.48	72.63
135.0	301.45	301.45	139.28	116.87	103.82	95.39	88.13	80.76	76.02
180.0	317.25	211.85	118.86	106.16	96.80	87.67	81.70	75.44	70.93
225.0	162.58	121.32	106.63	94.75	87.20	81.17	75.85	70.17	66.19
270.0	312.57	312.57	128.75	110.78	97.79	89.54	82.87	77.02	70.99
315.0	189.20	131.38	102.30	93.34	85.91	78.71	73.74	69.47	64.84
360.0	223.73	154.38	111.78	100.89	92.29	84.04	78.30	72.39	68.41

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	64.84	61.57	58.82	55.60	53.78	51.85	49.69	48.11	46.58
45.0	71.51	66.72	63.44	60.40	57.35	54.95	52.73	50.91	48.75
90.0	68.65	65.08	61.10	58.46	56.01	53.26	51.38	49.51	47.05
135.0	70.34	66.48	63.09	60.04	56.88	54.54	52.49	50.68	48.52
180.0	67.01	62.91	59.99	57.41	55.25	52.73	50.91	49.10	47.40
225.0	62.21	59.34	56.88	54.13	52.09	50.33	48.28	46.47	44.89
270.0	66.83	63.20	60.22	56.83	54.54	52.03	50.15	48.34	46.41
315.0	61.68	58.93	55.95	54.13	52.20	50.62	48.75	47.23	45.71
360.0	64.84	61.57	58.82	55.60	53.78	51.85	49.69	48.11	46.58
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	44.77	43.37	41.61	39.50	37.75	35.99	34.06	32.30	30.67
45.0	46.94	45.41	43.48	41.67	39.62	37.75	35.99	34.35	32.01
90.0	45.53	43.89	41.55	39.74	37.92	36.17	33.94	32.13	30.55
135.0	46.88	45.30	43.60	41.32	39.62	37.34	35.58	33.94	31.72
180.0	45.30	43.66	41.84	39.68	37.75	35.52	34.00	32.42	30.84
225.0	43.19	41.02	39.44	37.81	35.70	33.83	32.25	30.20	28.97
270.0	44.71	43.13	41.02	39.33	37.57	35.76	34.24	32.30	30.67
315.0	44.42	42.31	40.67	38.74	37.04	35.29	33.47	31.78	30.37
360.0	44.77	43.37	41.61	39.50	37.75	35.99	34.06	32.30	30.67
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.55	28.44	28.21	28.68	29.38	30.14	30.78	31.37	31.31
45.0	30.49	29.26	27.74	26.22	25.34	24.35	23.00	22.30	21.65
90.0	29.26	27.51	26.39	25.11	24.05	23.06	22.18	21.59	21.24
135.0	30.26	29.14	27.86	26.39	25.46	24.58	23.88	23.82	24.35
180.0	29.14	27.80	26.69	26.57	27.15	27.74	28.62	29.32	29.03
225.0	27.74	25.93	24.99	24.17	23.06	22.00	21.24	20.54	19.66
270.0	29.26	27.74	26.45	25.28	24.11	23.23	22.36	21.30	20.66
315.0	29.09	27.39	26.16	25.34	24.52	23.23	22.77	22.71	23.06
360.0	29.55	28.44	28.21	28.68	29.38	30.14	30.78	31.37	31.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	30.78	29.50	28.32	27.51	25.98	25.05	23.76	22.71	21.48
45.0	20.60	19.78	19.20	18.49	17.91	17.50	17.15	16.62	16.15
90.0	21.48	21.89	22.36	22.41	22.36	22.12	21.59	20.78	18.90
135.0	24.87	25.87	26.57	26.57	27.15	26.69	26.39	24.58	22.65
180.0	28.62	27.62	26.51	25.81	24.40	23.64	22.47	21.48	20.66
225.0	18.84	18.26	17.73	17.09	16.68	16.27	15.86	15.51	15.10
270.0	20.07	20.07	20.07	19.84	19.55	19.43	19.02	18.55	17.91
315.0	23.00	23.00	23.06	22.71	22.59	22.06	21.54	20.95	20.01
360.0	30.78	29.50	28.32	27.51	25.98	25.05	23.76	22.71	21.48
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.25	16.91	14.92	14.28	13.81	13.46	12.82	12.58	12.35
45.0	15.80	15.39	15.04	14.57	14.16	13.81	12.99	12.70	12.52
90.0	16.27	14.69	14.40	14.16	13.46	13.05	12.76	12.52	12.23
135.0	19.61	16.56	14.98	14.57	14.05	13.28	12.93	12.64	12.70
180.0	19.31	15.74	14.51	14.10	13.52	12.99	12.76	12.58	12.35
225.0	14.81	14.46	14.10	13.75	13.05	12.82	12.52	12.41	12.47
270.0	16.68	15.51	14.34	13.87	13.46	13.11	12.82	12.52	12.41
315.0	18.32	16.04	14.75	14.05	13.58	13.05	12.70	12.64	12.29
360.0	20.25	16.91	14.92	14.28	13.81	13.46	12.82	12.58	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.23
90.0	12.41
135.0	12.29
180.0	12.52
225.0	12.35
270.0	12.41
315.0	12.64
360.0	12.29