



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: 1-1207-L

Luminaire: 92.70.427.00

Report No: 2024730-B011

Ballast type: AC

Test No: 2024730-C011

Voltage(V): 34.430

LampCAT: Fortimo\_SLM\_C\_1203

Current(A): 0.216

Lamp flux(lm): 1286.0

Power (W): 7.436

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1188.11, Efficiency(%): 92.39% , Luminous Efficacy(lm/W): 159.78

Central intensity(cd): 3742.280, Maximum intensity(cd): 3742.280

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

Beam Angle(50% I<sub>max</sub>): [C0/180]Total=28.6

[C90/270]Total=28.6

Field angle(10% I<sub>max</sub>): [C0/180]Total=58.6

[C90/270]Total=58.6

Maximum s/h(1/2): C0\_180=0.48 C90\_270=0.48

Maximum s/h(1/4): C0\_180=0.47 C90\_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.39%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.086%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/7/30  
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	3742.280	0.000	0	0.00%	0.00%
1.0	3736.501	3.578	3.578	0.28%	0.30%
2.0	3706.435	10.683	14.261	0.83%	1.20%
3.0	3668.468	17.638	31.9	1.37%	2.68%
4.0	3605.410	24.348	56.248	1.89%	4.73%
5.0	3519.382	30.650	86.898	2.38%	7.31%
6.0	3399.777	36.362	123.26	2.83%	10.37%
7.0	3275.417	41.433	164.693	3.22%	13.86%
8.0	3112.578	45.718	210.411	3.56%	17.71%
9.0	2949.666	49.131	259.542	3.82%	21.84%
10.0	2770.148	51.762	311.304	4.03%	26.20%
11.0	2572.196	53.381	364.685	4.15%	30.69%
12.0	2366.416	53.986	418.671	4.20%	35.24%
13.0	2148.127	53.576	472.247	4.17%	39.75%
14.0	1936.714	52.286	524.533	4.07%	44.15%
15.0	1731.520	50.359	574.892	3.92%	48.39%
16.0	1441.724	46.497	621.389	3.62%	52.30%
17.0	1289.317	42.530	663.919	3.31%	55.88%
18.0	1169.214	40.536	704.454	3.15%	59.29%
19.0	1030.303	38.267	742.722	2.98%	62.51%
20.0	914.955	35.604	778.325	2.77%	65.51%
21.0	815.262	33.224	811.549	2.58%	68.31%
22.0	743.733	31.329	842.878	2.44%	70.94%
23.0	680.024	29.874	872.752	2.32%	73.46%
24.0	625.298	28.539	901.291	2.22%	75.86%
25.0	577.727	27.354	928.645	2.13%	78.16%
26.0	530.024	26.149	954.794	2.03%	80.36%
27.0	486.344	24.866	979.659	1.93%	82.46%
28.0	437.565	23.391	1003.051	1.82%	84.42%
29.0	388.626	21.616	1024.666	1.68%	86.24%
30.0	336.995	19.592	1044.258	1.52%	87.89%
31.0	287.243	17.372	1061.629	1.35%	89.35%
32.0	257.660	15.611	1077.24	1.21%	90.67%
33.0	219.598	14.060	1091.3	1.09%	91.85%
34.0	159.898	11.485	1102.785	0.89%	92.82%
35.0	125.889	8.875	1111.661	0.69%	93.57%
36.0	99.993	7.192	1118.853	0.56%	94.17%
37.0	76.489	5.756	1124.609	0.45%	94.66%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	61.258	4.598	1129.206	0.36%	95.04%
39.0	49.093	3.767	1132.973	0.29%	95.36%
40.0	40.505	3.125	1136.098	0.24%	95.62%
41.0	34.455	2.669	1138.767	0.21%	95.85%
42.0	30.059	2.344	1141.111	0.18%	96.04%
43.0	26.789	2.106	1143.217	0.16%	96.22%
44.0	24.177	1.924	1145.14	0.15%	96.38%
45.0	22.092	1.778	1146.919	0.14%	96.53%
46.0	20.322	1.659	1148.577	0.13%	96.67%
47.0	18.793	1.556	1150.133	0.12%	96.80%
48.0	17.476	1.466	1151.599	0.11%	96.93%
49.0	16.342	1.389	1152.988	0.11%	97.04%
50.0	15.362	1.322	1154.31	0.10%	97.16%
51.0	14.528	1.265	1155.575	0.10%	97.26%
52.0	13.826	1.217	1156.791	0.09%	97.36%
53.0	13.190	1.175	1157.966	0.09%	97.46%
54.0	12.604	1.137	1159.103	0.09%	97.56%
55.0	12.165	1.106	1160.209	0.09%	97.65%
56.0	11.712	1.079	1161.288	0.08%	97.74%
57.0	11.324	1.053	1162.341	0.08%	97.83%
58.0	10.966	1.031	1163.372	0.08%	97.92%
59.0	10.615	1.009	1164.381	0.08%	98.00%
60.0	10.256	0.986	1165.367	0.08%	98.09%
61.0	9.942	0.964	1166.331	0.07%	98.17%
62.0	9.678	0.945	1167.276	0.07%	98.25%
63.0	9.407	0.928	1168.204	0.07%	98.32%
64.0	9.181	0.912	1169.116	0.07%	98.40%
65.0	8.917	0.896	1170.012	0.07%	98.48%
66.0	8.705	0.879	1170.891	0.07%	98.55%
67.0	8.449	0.863	1171.754	0.07%	98.62%
68.0	8.259	0.846	1172.6	0.07%	98.69%
69.0	8.047	0.832	1173.432	0.06%	98.76%
70.0	7.842	0.816	1174.248	0.06%	98.83%
71.0	7.681	0.802	1175.05	0.06%	98.90%
72.0	7.542	0.792	1175.842	0.06%	98.97%
73.0	7.388	0.781	1176.623	0.06%	99.03%
74.0	7.235	0.769	1177.392	0.06%	99.10%
75.0	7.074	0.756	1178.148	0.06%	99.16%

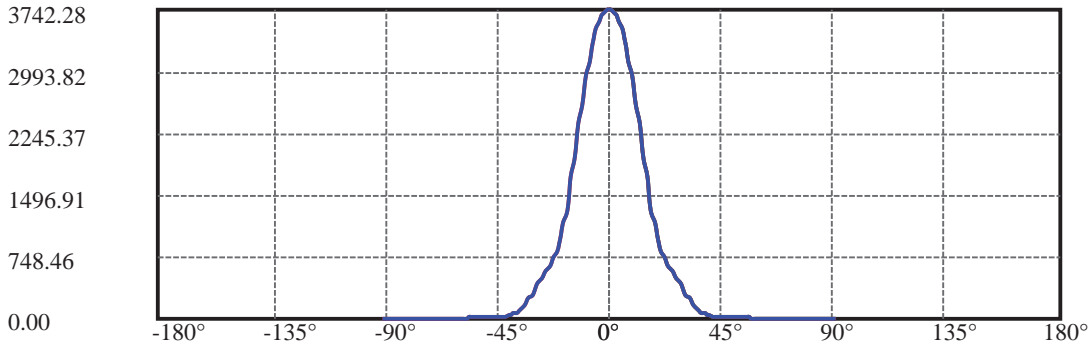
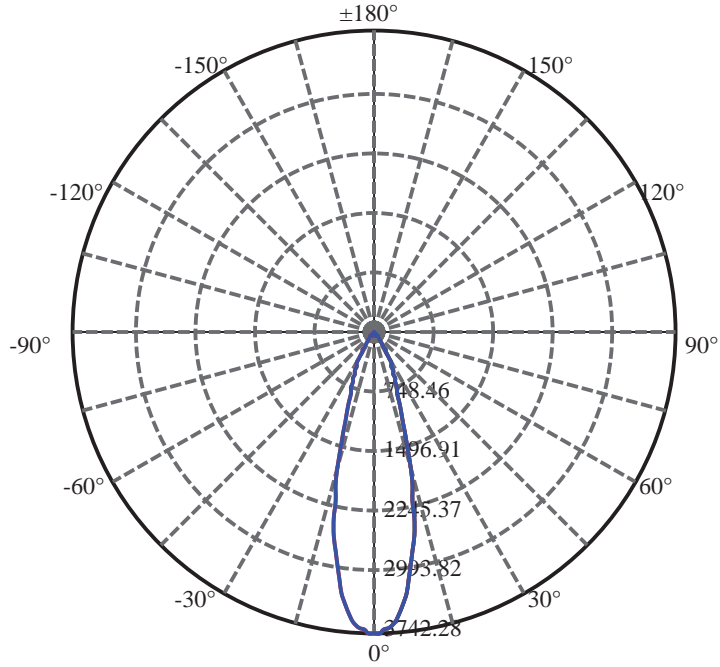
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.928	0.743	1178.891	0.06%	99.22%
77.0	6.789	0.731	1179.622	0.06%	99.29%
78.0	6.664	0.720	1180.342	0.06%	99.35%
79.0	6.525	0.709	1181.051	0.06%	99.41%
80.0	6.408	0.697	1181.748	0.05%	99.46%
81.0	6.298	0.687	1182.435	0.05%	99.52%
82.0	6.174	0.676	1183.112	0.05%	99.58%
83.0	6.050	0.665	1183.776	0.05%	99.64%
84.0	5.962	0.654	1184.431	0.05%	99.69%
85.0	5.830	0.644	1185.074	0.05%	99.74%
86.0	5.728	0.632	1185.706	0.05%	99.80%
87.0	5.625	0.621	1186.327	0.05%	99.85%
88.0	5.494	0.609	1186.936	0.05%	99.90%
89.0	5.326	0.593	1187.529	0.05%	99.95%
90.0	5.201	0.577	1188.107	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1044.26	81.20%	87.89%
0-40	1136.10	88.34%	95.62%
0-60	1165.37	90.62%	98.09%
0-90	1187.53	92.34%	99.95%
0-120	1187.53	92.34%	99.95%
0-180	1188.11	92.39%	100.00%
60-90	22.16	1.72%	1.87%
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%
0-25.84	950.49	73.91%	80.00%

ZONAL LUMEN SUMMARY

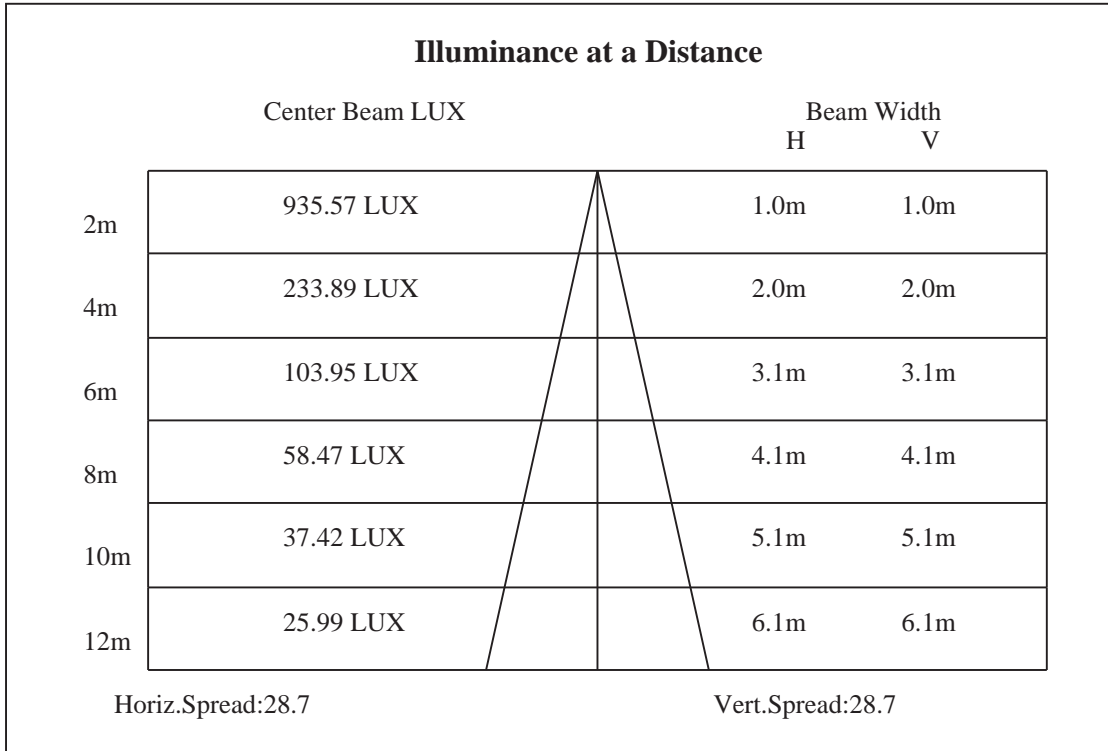
0-10	311.30
10-20	467.02
20-30	265.93
30-40	91.84
40-50	18.21
50-60	11.06
60-70	8.88
70-80	7.50
80-90	5.78
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

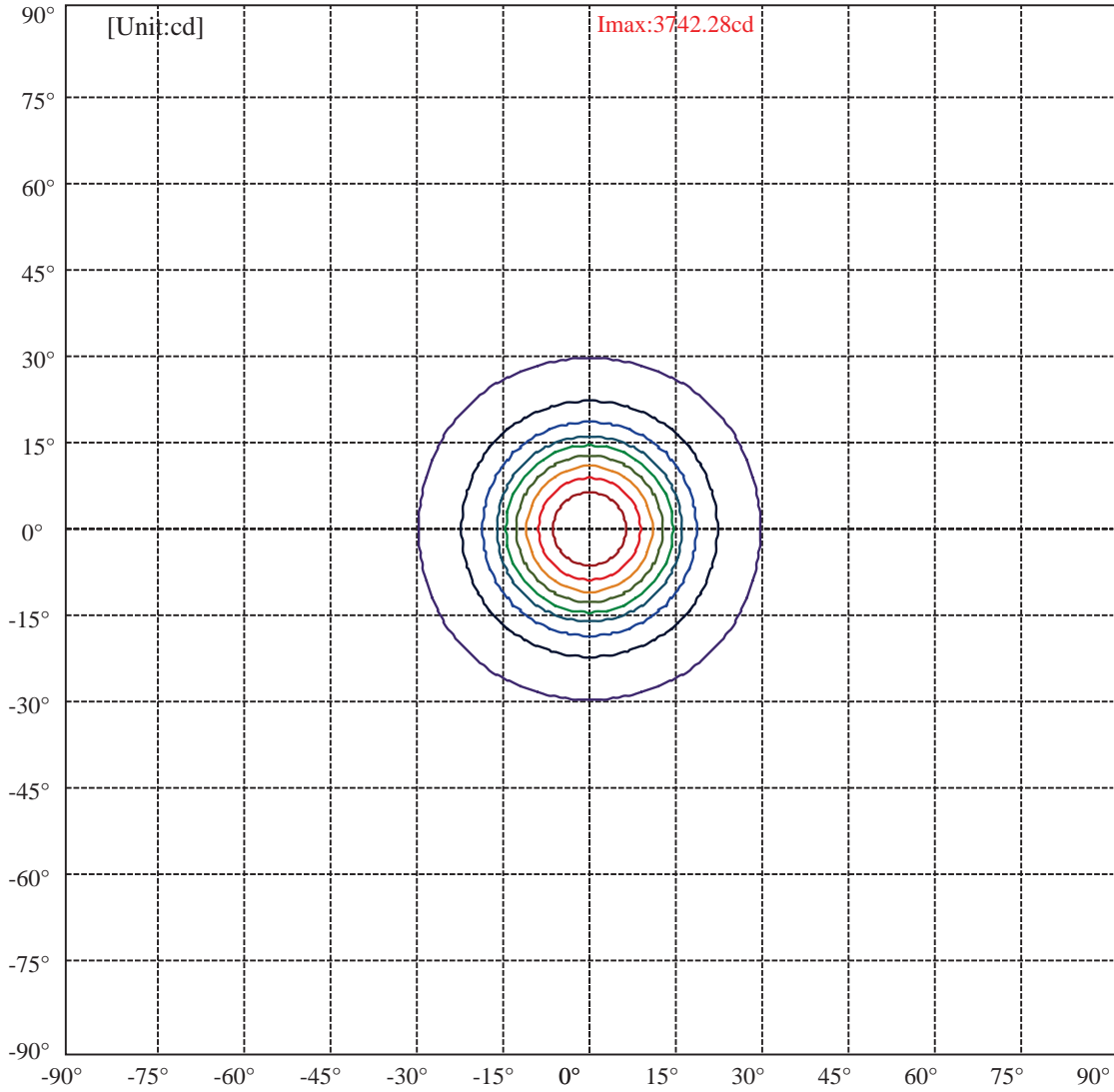


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:29.3 Right:29.3  
:C90/270Left:29.3 Right:29.3

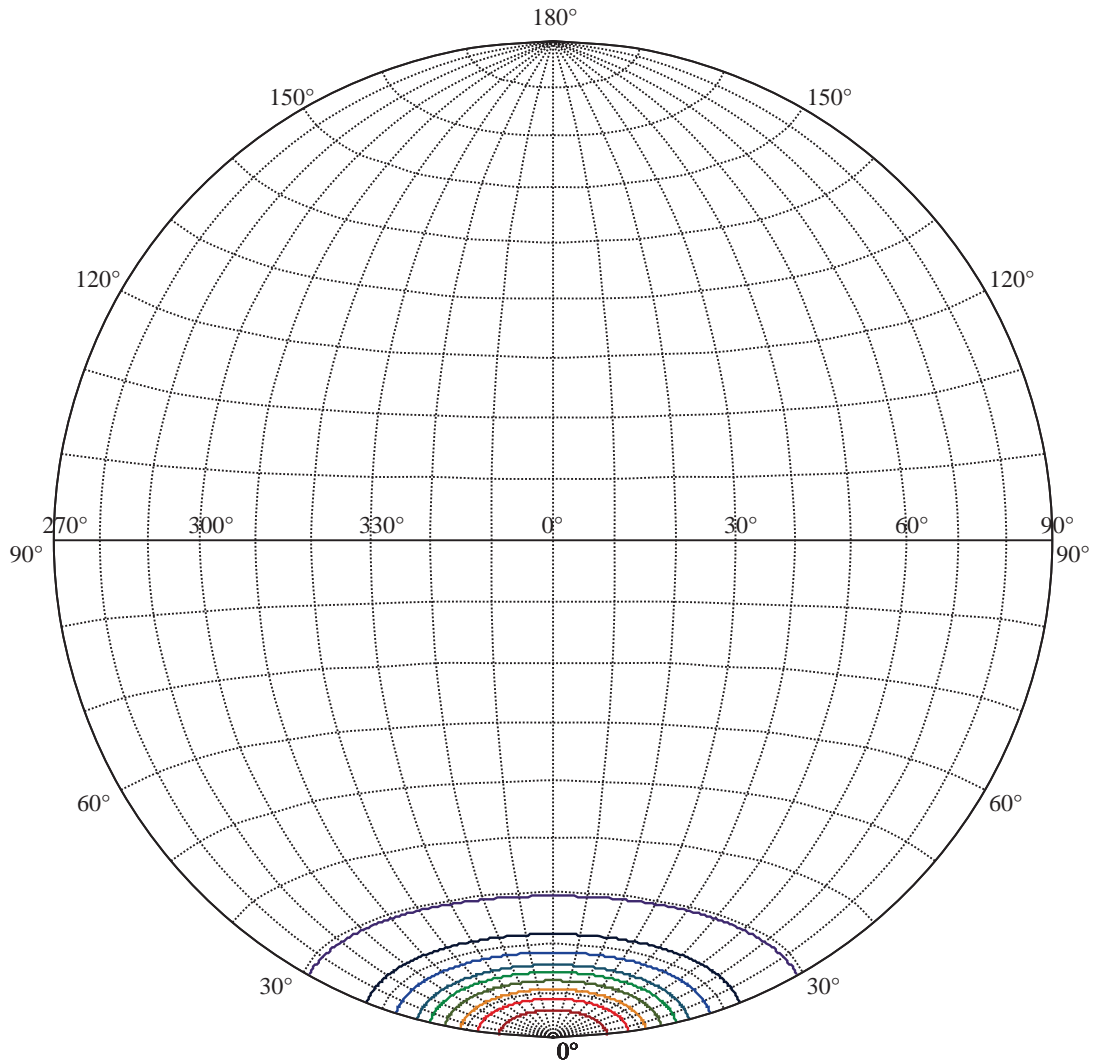
Beam Angle(50%Imax):C0/180Left:14.3 Right:14.3  
:C90/270Left:14.3 Right:14.3





(10% I <sub>max</sub> ) 374.228	—
(20% I <sub>max</sub> ) 748.456	—
(30% I <sub>max</sub> ) 1122.68	—
(40% I <sub>max</sub> ) 1496.91	—
(50% I <sub>max</sub> ) 1871.14	—
(60% I <sub>max</sub> ) 2245.37	—
(70% I <sub>max</sub> ) 2619.6	—
(80% I <sub>max</sub> ) 2993.82	—
(90% I <sub>max</sub> ) 3368.05	—





House

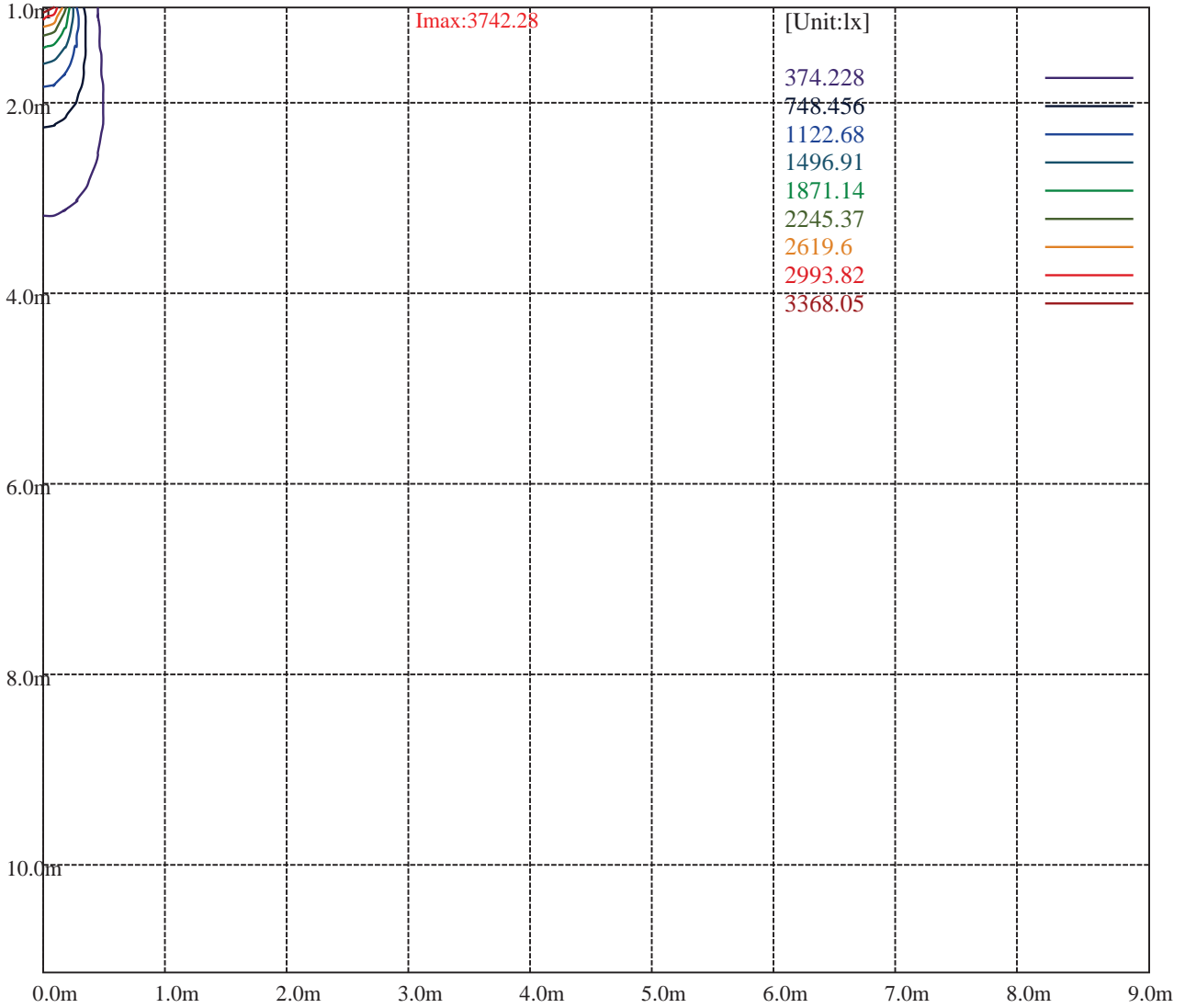
[Unit:cd]

Road

**Imax:3742.28**

(10% Imax)	374.228	—
(20% Imax)	748.456	—
(30% Imax)	1122.68	—
(40% Imax)	1496.91	—
(50% Imax)	1871.14	—
(60% Imax)	2245.37	—
(70% Imax)	2619.6	—
(80% Imax)	2993.82	—
(90% Imax)	3368.05	—





Luminance Table

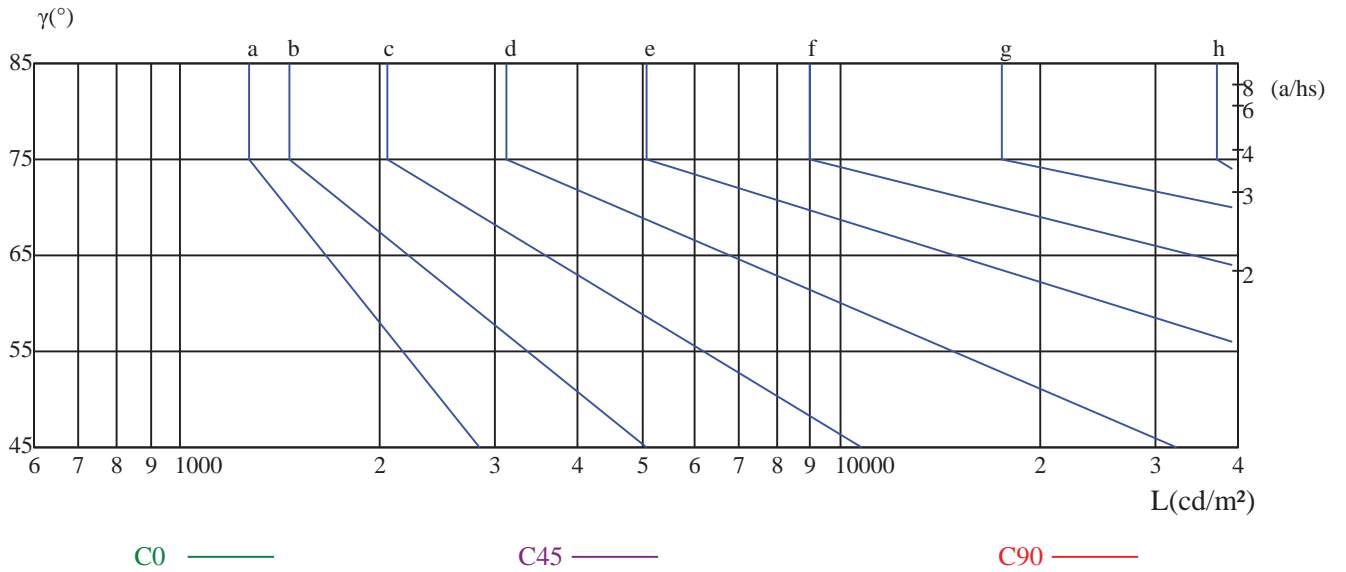
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

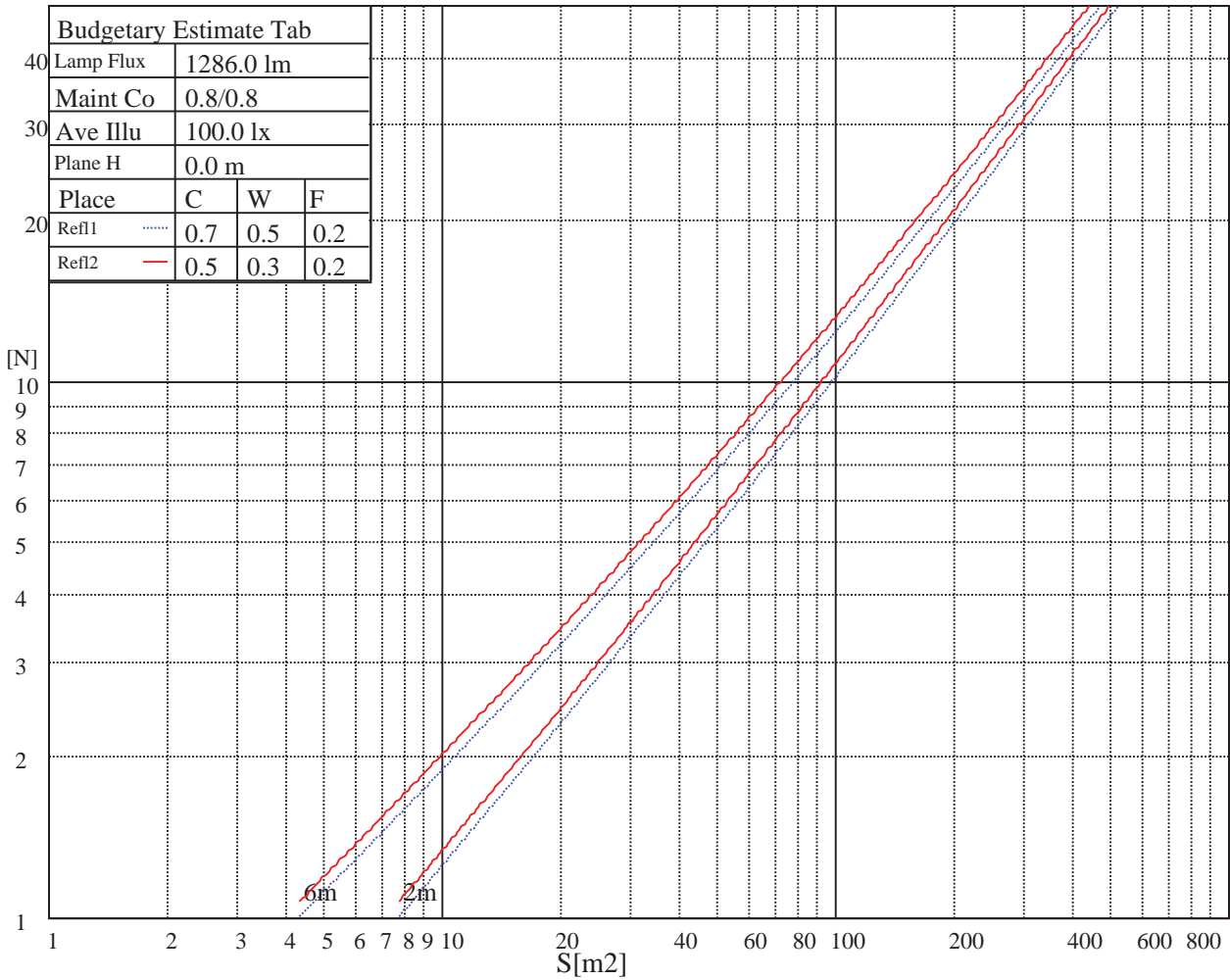
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

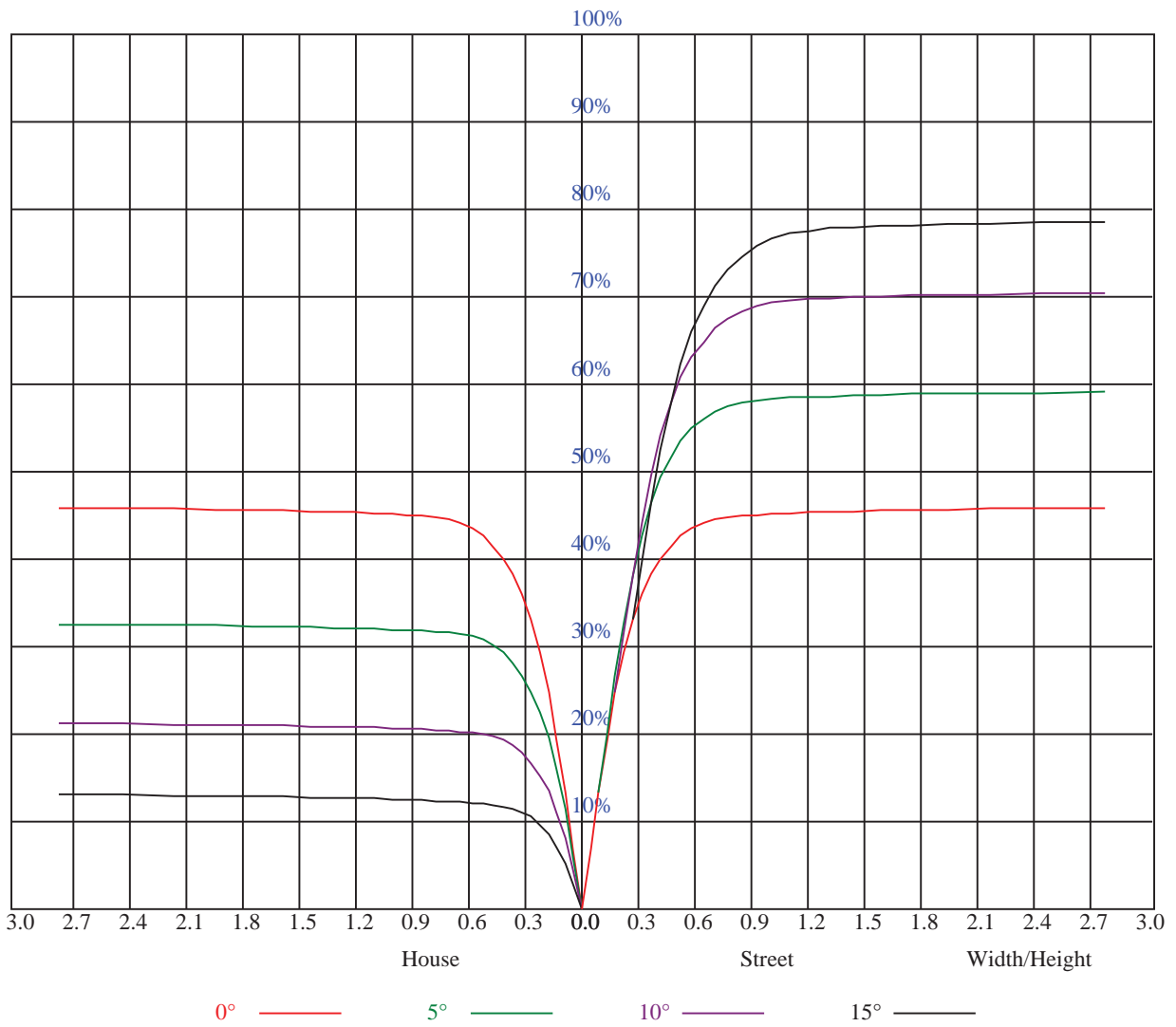


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

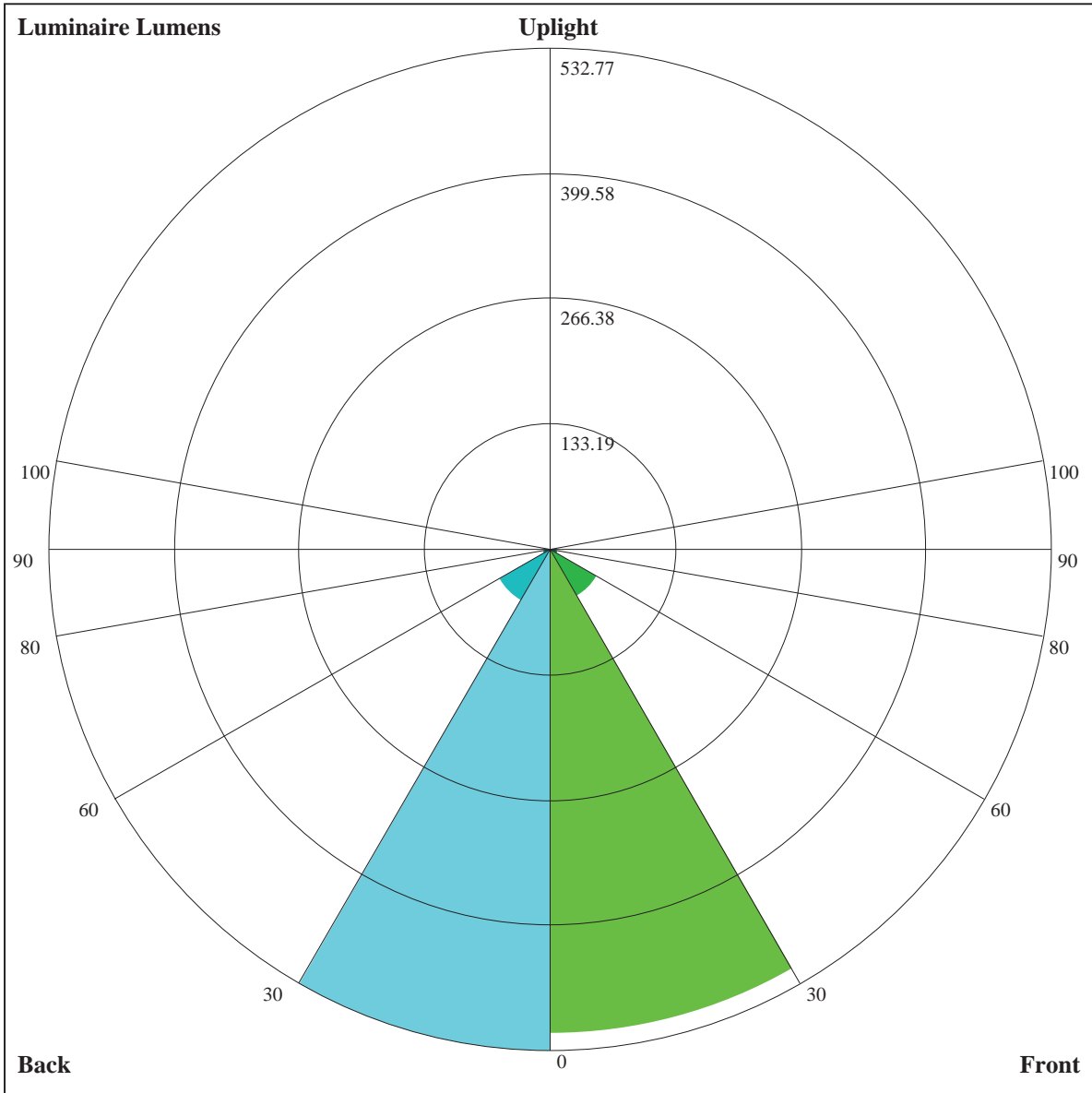
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.80	0.76	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.64	0.61	0.60







Luminaire Lumens:

FL=514.58,FM=58.24,FH=8.09,FVH=3.15

BL=532.77,BM=63.91,BH=8.25,BVH=3.19

UL=0,UH=0

BUG Rating:B2-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	3730.28	3709.80	3672.93	3624.36	3526.04	3420.11	3266.78	3119.89	2962.47
45.0	3751.94	3741.40	3709.80	3668.83	3594.51	3513.16	3382.07	3258.59	3119.89
90.0	3736.72	3719.75	3666.49	3610.90	3553.54	3459.91	3321.80	3194.22	3050.84
135.0	3750.18	3747.84	3727.94	3703.95	3670.00	3612.07	3526.62	3434.74	3289.02
180.0	3730.28	3736.72	3726.77	3696.34	3644.25	3561.74	3454.64	3323.55	3152.67
225.0	3751.94	3736.72	3692.24	3650.11	3568.76	3466.93	3300.73	3146.81	2943.74
270.0	3736.72	3758.37	3751.35	3720.33	3668.83	3606.21	3537.74	3428.89	3273.81
315.0	3750.18	3741.40	3703.95	3672.93	3617.33	3514.92	3407.82	3296.63	3108.19
360.0	3730.28	3709.80	3672.93	3624.36	3526.04	3420.11	3266.78	3119.89	2962.47
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2758.22	2582.07	2398.31	2203.43	1958.81	1766.85	1571.97	1158.45	1158.45
45.0	2914.48	2738.91	2556.32	2308.19	2105.11	1903.21	1700.72	1465.46	1294.58
90.0	2884.63	2645.28	2439.28	2225.67	1955.30	1740.52	1538.03	1147.45	1147.45
135.0	3152.67	2963.05	2783.97	2590.85	2330.42	2121.50	1911.99	1705.99	1458.44
180.0	3005.19	2851.86	2635.91	2455.08	2263.12	2023.18	1826.55	1635.76	1413.96
225.0	2782.80	2608.41	2386.61	2197.58	2024.94	1834.74	1599.48	1155.59	1155.59
270.0	3140.38	2978.85	2814.41	2583.83	2387.19	2191.73	1989.24	1738.18	1543.88
315.0	2958.96	2792.75	2562.76	2366.71	2160.12	1911.99	1714.18	1526.91	1142.18
360.0	2758.22	2582.07	2398.31	2203.43	1958.81	1766.85	1571.97	1158.45	1158.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1060.08	950.11	860.22	768.52	710.40	642.87	598.80	556.84	503.64
45.0	1144.76	1019.52	894.28	811.77	741.54	673.07	625.08	582.36	526.18
90.0	1014.60	878.01	792.69	725.97	656.56	607.17	561.93	520.32	467.71
135.0	1282.87	1128.37	999.04	865.02	782.50	716.37	653.17	605.18	551.34
180.0	1261.22	1114.91	998.45	873.80	799.48	737.44	683.02	622.15	581.77
225.0	1124.16	977.79	883.63	806.03	740.78	674.71	626.60	571.94	531.79
270.0	1323.84	1164.07	992.60	884.33	799.48	730.42	660.78	612.20	567.14
315.0	1142.18	1009.63	898.73	786.66	719.12	658.14	593.01	550.81	510.61
360.0	1060.08	950.11	860.22	768.52	710.40	642.87	598.80	556.84	503.64
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	458.99	411.41	365.59	307.42	261.83	219.34	181.95	140.34	112.60
45.0	484.04	430.78	386.89	340.07	295.60	295.60	204.07	171.41	142.09
90.0	424.81	381.39	337.67	283.07	240.64	200.91	157.13	126.94	95.68
135.0	509.20	464.14	404.45	356.46	308.47	296.77	241.81	171.12	138.29
180.0	541.39	487.55	443.66	384.55	334.22	300.86	300.86	190.72	155.79
225.0	489.60	434.76	387.48	337.73	279.15	235.73	196.58	162.34	123.48
270.0	526.18	480.53	423.76	376.94	328.37	304.96	304.96	179.43	136.71
315.0	456.53	409.95	359.50	309.70	249.66	207.11	169.42	136.88	102.47
360.0	458.99	411.41	365.59	307.42	261.83	219.34	181.95	140.34	112.60
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	89.77	68.24	55.48	44.24	38.16	33.53	29.96	26.51	24.29
45.0	109.67	88.19	70.75	56.77	44.13	36.93	30.84	27.45	24.70
90.0	75.90	60.98	49.86	39.97	34.59	30.43	27.27	24.23	22.18
135.0	110.96	82.87	65.90	53.26	42.66	36.87	32.48	28.62	26.16
180.0	126.82	95.98	77.25	62.91	52.85	43.25	37.57	33.42	29.50
225.0	98.03	76.43	60.40	46.06	38.10	32.42	27.27	24.58	21.95
270.0	108.15	79.53	62.50	49.92	41.02	33.59	29.44	26.22	23.70
315.0	80.64	59.69	47.93	39.62	32.54	28.62	25.63	23.29	20.95
360.0	89.77	68.24	55.48	44.24	38.16	33.53	29.96	26.51	24.29

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	22.30	20.54	18.67	17.50	16.44	15.51	14.51	13.87	13.11
45.0	22.00	20.13	18.61	17.26	15.80	14.81	13.93	13.23	12.47
90.0	20.37	18.43	17.15	16.04	14.69	13.81	12.99	12.23	11.65
135.0	24.05	21.71	20.19	18.73	17.44	16.04	15.04	14.22	13.46
180.0	26.92	24.81	22.59	21.01	19.66	18.14	17.15	16.15	15.27
225.0	20.31	18.96	17.79	16.56	15.68	15.04	14.51	13.87	13.46
270.0	21.30	19.78	18.38	16.85	15.98	15.22	14.46	13.87	13.34
315.0	19.49	18.20	16.97	15.86	15.04	14.34	13.64	13.17	12.76
360.0	22.30	20.54	18.67	17.50	16.44	15.51	14.51	13.87	13.11
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.64	12.11	11.65	11.29	11.00	10.65	10.36	10.12	9.95
45.0	11.94	11.47	10.94	10.59	10.30	9.95	9.71	9.48	9.25
90.0	11.18	10.77	10.30	10.01	9.77	9.48	9.25	9.01	8.84
135.0	12.64	12.11	11.59	11.00	10.59	10.18	9.83	9.54	9.25
180.0	14.34	13.69	13.11	12.58	11.94	11.53	11.00	10.65	10.42
225.0	13.11	12.87	12.52	12.17	11.76	11.35	10.94	10.48	10.12
270.0	12.82	12.58	12.35	12.06	11.82	11.53	11.06	10.65	10.24
315.0	12.17	11.70	11.24	10.89	10.53	10.24	9.89	9.60	9.36
360.0	12.64	12.11	11.65	11.29	11.00	10.65	10.36	10.12	9.95
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.66	9.42	9.13	8.90	8.60	8.43	8.25	8.08	7.90
45.0	9.13	8.95	8.72	8.54	8.37	8.13	7.96	7.67	7.55
90.0	8.60	8.49	8.31	8.13	7.96	7.84	7.67	7.55	7.43
135.0	9.01	8.84	8.66	8.49	8.31	8.19	8.02	7.84	7.67
180.0	10.01	9.77	9.60	9.42	9.13	8.90	8.66	8.43	8.19
225.0	9.77	9.48	9.13	8.84	8.49	8.25	7.90	7.72	7.55
270.0	9.95	9.66	9.25	8.95	8.66	8.43	8.19	7.84	7.72
315.0	9.13	8.84	8.54	8.37	8.08	7.90	7.72	7.61	7.43
360.0	9.66	9.42	9.13	8.90	8.60	8.43	8.25	8.08	7.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.72	7.61	7.43	7.26	7.14	6.96	6.85	6.73	6.55
45.0	7.37	7.26	7.08	6.91	6.79	6.67	6.55	6.44	6.32
90.0	7.26	7.08	6.91	6.79	6.61	6.50	6.38	6.26	6.14
135.0	7.55	7.37	7.26	7.08	6.91	6.79	6.61	6.44	6.38
180.0	8.08	7.90	7.72	7.55	7.37	7.26	7.14	6.96	6.85
225.0	7.43	7.26	7.08	6.96	6.85	6.67	6.55	6.44	6.32
270.0	7.61	7.49	7.32	7.14	6.96	6.85	6.73	6.55	6.44
315.0	7.32	7.14	7.08	6.91	6.79	6.61	6.50	6.38	6.26
360.0	7.72	7.61	7.43	7.26	7.14	6.96	6.85	6.73	6.55
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.44	6.32	6.20	6.09	5.97	5.91	5.79	5.62	5.27
45.0	6.20	6.09	5.97	5.85	5.79	5.62	5.56	5.44	5.27
90.0	6.03	5.97	5.79	5.74	5.56	5.50	5.44	5.33	5.21
135.0	6.26	6.14	5.97	5.91	5.79	5.68	5.56	5.44	5.33
180.0	6.73	6.55	6.50	6.38	6.26	6.14	6.03	5.85	5.62
225.0	6.20	6.09	6.03	5.91	5.74	5.68	5.56	5.44	5.33
270.0	6.38	6.20	6.09	6.03	5.85	5.74	5.62	5.50	5.38
315.0	6.14	6.03	5.85	5.79	5.68	5.56	5.44	5.33	5.21
360.0	6.44	6.32	6.20	6.09	5.97	5.91	5.79	5.62	5.27

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>5.27</b>
<b>45.0</b>	<b>5.21</b>
<b>90.0</b>	<b>5.15</b>
<b>135.0</b>	<b>5.15</b>
<b>180.0</b>	<b>5.27</b>
<b>225.0</b>	<b>5.21</b>
<b>270.0</b>	<b>5.21</b>
<b>315.0</b>	<b>5.15</b>
<b>360.0</b>	<b>5.27</b>