



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

Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024827-B004

Ballast type: AC

Test No: 2024827-C004

Voltage(V): 34.950

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.715

Lamp flux(lm): 4003.0

Power (W): 24.980

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3733.20, Efficiency(%): 93.26% , Luminous Efficacy(lm/W): 149.45

Central intensity(cd): 17566.520, Maximum intensity(cd): 17566.520

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.2

[C90/270]Total=19.2

Field angle(10%Imax): [C0/180]Total=50.8

[C90/270]Total=50.8

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

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(%): 93.26%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.115%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/27
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	17566.520	0.000	0	0.00%	0.00%
1.0	17432.801	16.747	16.747	0.42%	0.45%
2.0	17044.180	49.485	66.231	1.24%	1.77%
3.0	16466.123	80.146	146.377	2.00%	3.92%
4.0	15668.684	107.565	253.942	2.69%	6.80%
5.0	14310.706	128.970	382.912	3.22%	10.26%
6.0	12855.191	142.764	525.676	3.57%	14.08%
7.0	11890.012	153.593	679.269	3.84%	18.20%
8.0	10835.720	162.644	841.913	4.06%	22.55%
9.0	9541.007	165.142	1007.055	4.13%	26.98%
10.0	8326.117	161.691	1168.746	4.04%	31.31%
11.0	7323.152	156.368	1325.114	3.91%	35.50%
12.0	6353.617	149.507	1474.621	3.73%	39.50%
13.0	5665.738	142.639	1617.26	3.56%	43.32%
14.0	4992.051	136.419	1753.679	3.41%	46.98%
15.0	4479.954	130.036	1883.715	3.25%	50.46%
16.0	4013.048	124.446	2008.161	3.11%	53.79%
17.0	3592.883	118.445	2126.606	2.96%	56.96%
18.0	3285.183	113.404	2240.011	2.83%	60.00%
19.0	2995.320	109.268	2349.278	2.73%	62.93%
20.0	2772.035	105.559	2454.837	2.64%	65.76%
21.0	2607.120	103.291	2558.128	2.58%	68.52%
22.0	2383.348	100.286	2658.413	2.51%	71.21%
23.0	2171.344	95.570	2753.983	2.39%	73.77%
24.0	1971.810	90.584	2844.567	2.26%	76.20%
25.0	1820.831	86.236	2930.804	2.15%	78.51%
26.0	1657.013	82.095	3012.898	2.05%	80.71%
27.0	1490.909	77.015	3089.913	1.92%	82.77%
28.0	1328.990	71.394	3161.307	1.78%	84.68%
29.0	1182.380	65.705	3227.012	1.64%	86.44%
30.0	1064.253	60.659	3287.67	1.52%	88.07%
31.0	917.327	55.145	3342.815	1.38%	89.54%
32.0	776.302	48.520	3391.335	1.21%	90.84%
33.0	660.737	42.336	3433.671	1.06%	91.98%
34.0	544.613	36.477	3470.148	0.91%	92.95%
35.0	450.599	30.908	3501.056	0.77%	93.78%
36.0	387.379	26.681	3527.737	0.67%	94.50%
37.0	314.337	22.886	3550.623	0.57%	95.11%

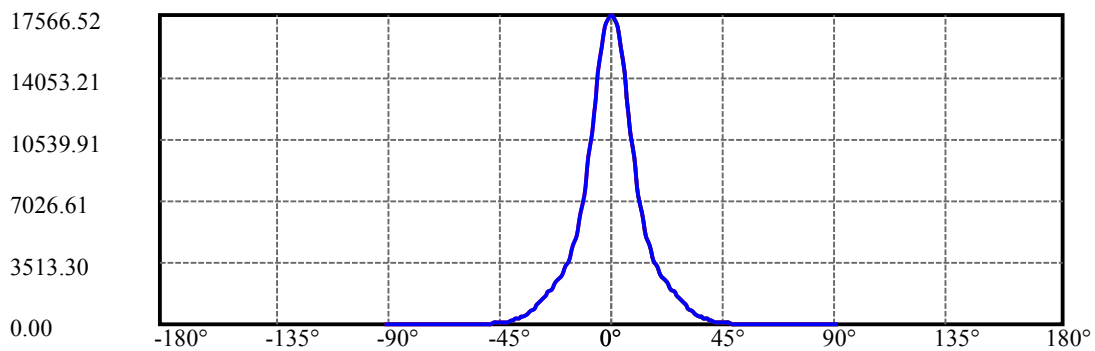
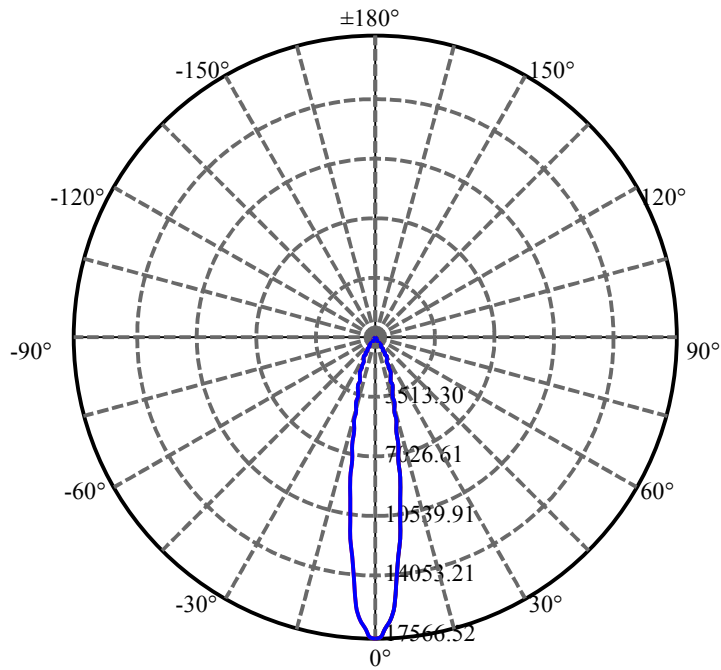
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	272.970	19.604	3570.227	0.49%	95.63%
39.0	241.525	17.561	3587.788	0.44%	96.10%
40.0	194.448	15.205	3602.993	0.38%	96.51%
41.0	152.464	12.353	3615.347	0.31%	96.84%
42.0	123.496	10.026	3625.373	0.25%	97.11%
43.0	102.188	8.360	3633.733	0.21%	97.34%
44.0	86.045	7.104	3640.837	0.18%	97.53%
45.0	72.602	6.097	3646.934	0.15%	97.69%
46.0	62.438	5.281	3652.215	0.13%	97.83%
47.0	54.948	4.669	3656.884	0.12%	97.96%
48.0	49.264	4.213	3661.097	0.11%	98.07%
49.0	45.053	3.873	3664.97	0.10%	98.17%
50.0	41.603	3.613	3668.583	0.09%	98.27%
51.0	39.028	3.411	3671.994	0.09%	98.36%
52.0	36.873	3.257	3675.251	0.08%	98.45%
53.0	35.532	3.150	3678.401	0.08%	98.53%
54.0	34.685	3.095	3681.496	0.08%	98.62%
55.0	34.198	3.075	3684.57	0.08%	98.70%
56.0	33.962	3.080	3687.65	0.08%	98.78%
57.0	33.877	3.102	3690.752	0.08%	98.86%
58.0	33.732	3.126	3693.879	0.08%	98.95%
59.0	33.555	3.146	3697.024	0.08%	99.03%
60.0	32.858	3.138	3700.162	0.08%	99.12%
61.0	31.656	3.079	3703.241	0.08%	99.20%
62.0	29.672	2.955	3706.196	0.07%	99.28%
63.0	27.129	2.762	3708.958	0.07%	99.35%
64.0	24.106	2.514	3711.472	0.06%	99.42%
65.0	20.848	2.225	3713.697	0.06%	99.48%
66.0	18.219	1.949	3715.646	0.05%	99.53%
67.0	15.900	1.716	3717.362	0.04%	99.58%
68.0	14.100	1.520	3718.882	0.04%	99.62%
69.0	12.569	1.361	3720.242	0.03%	99.65%
70.0	11.439	1.233	3721.475	0.03%	99.69%
71.0	10.545	1.136	3722.611	0.03%	99.72%
72.0	9.816	1.059	3723.67	0.03%	99.74%
73.0	9.067	0.987	3724.658	0.02%	99.77%
74.0	8.509	0.924	3725.581	0.02%	99.80%
75.0	7.990	0.872	3726.453	0.02%	99.82%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.470	0.821	3727.274	0.02%	99.84%
77.0	6.965	0.770	3728.043	0.02%	99.86%
78.0	6.478	0.720	3728.763	0.02%	99.88%
79.0	5.854	0.663	3729.426	0.02%	99.90%
80.0	5.309	0.602	3730.028	0.02%	99.92%
81.0	4.731	0.543	3730.57	0.01%	99.93%
82.0	4.192	0.484	3731.054	0.01%	99.94%
83.0	3.647	0.426	3731.48	0.01%	99.95%
84.0	3.187	0.372	3731.853	0.01%	99.96%
85.0	2.746	0.324	3732.176	0.01%	99.97%
86.0	2.339	0.278	3732.454	0.01%	99.98%
87.0	2.004	0.238	3732.692	0.01%	99.99%
88.0	1.669	0.201	3732.893	0.01%	99.99%
89.0	1.360	0.166	3733.059	0.00%	100.00%
90.0	1.156	0.138	3733.197	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3287.67	82.13%	88.07%
0-40	3602.99	90.01%	96.51%
0-60	3700.16	92.43%	99.12%
0-90	3733.06	93.26%	100.00%
0-120	3733.06	93.26%	100.00%
0-180	3733.20	93.26%	100.00%
60-90	32.90	0.82%	0.88%
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%
0-25.68	2986.56	74.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	1168.75
10-20	1286.09
20-30	832.83
30-40	315.32
40-50	65.59
50-60	31.58
60-70	21.31
70-80	8.55
80-90	3.03
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:

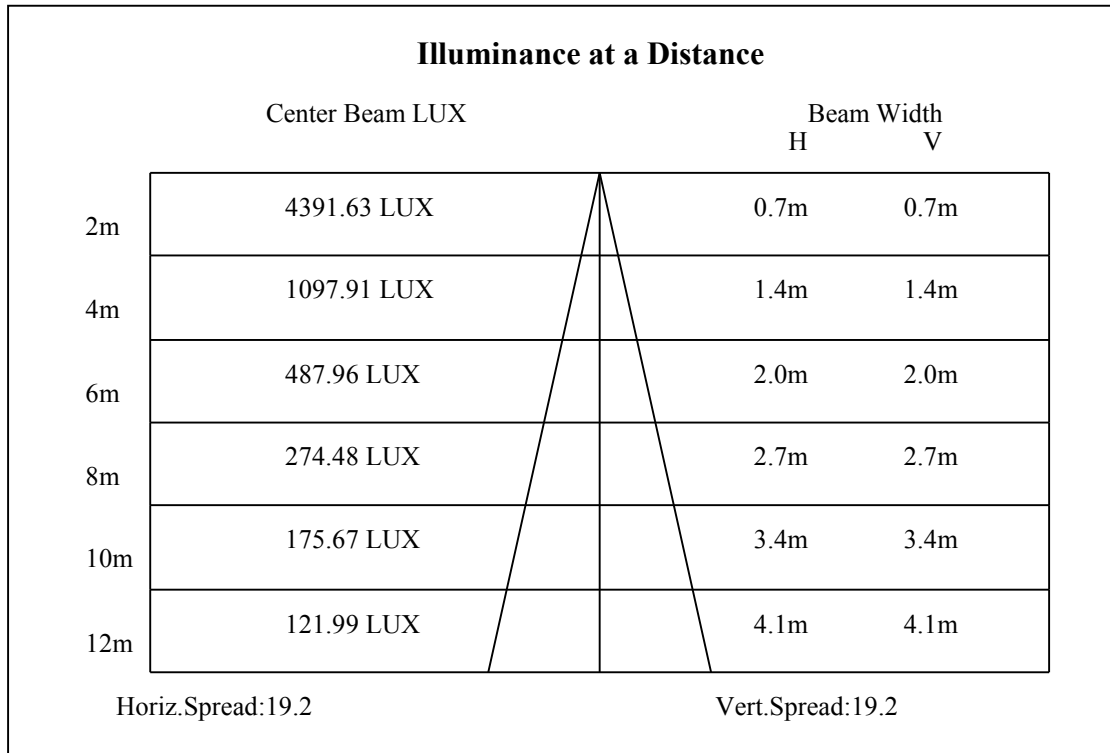
C90/C270:

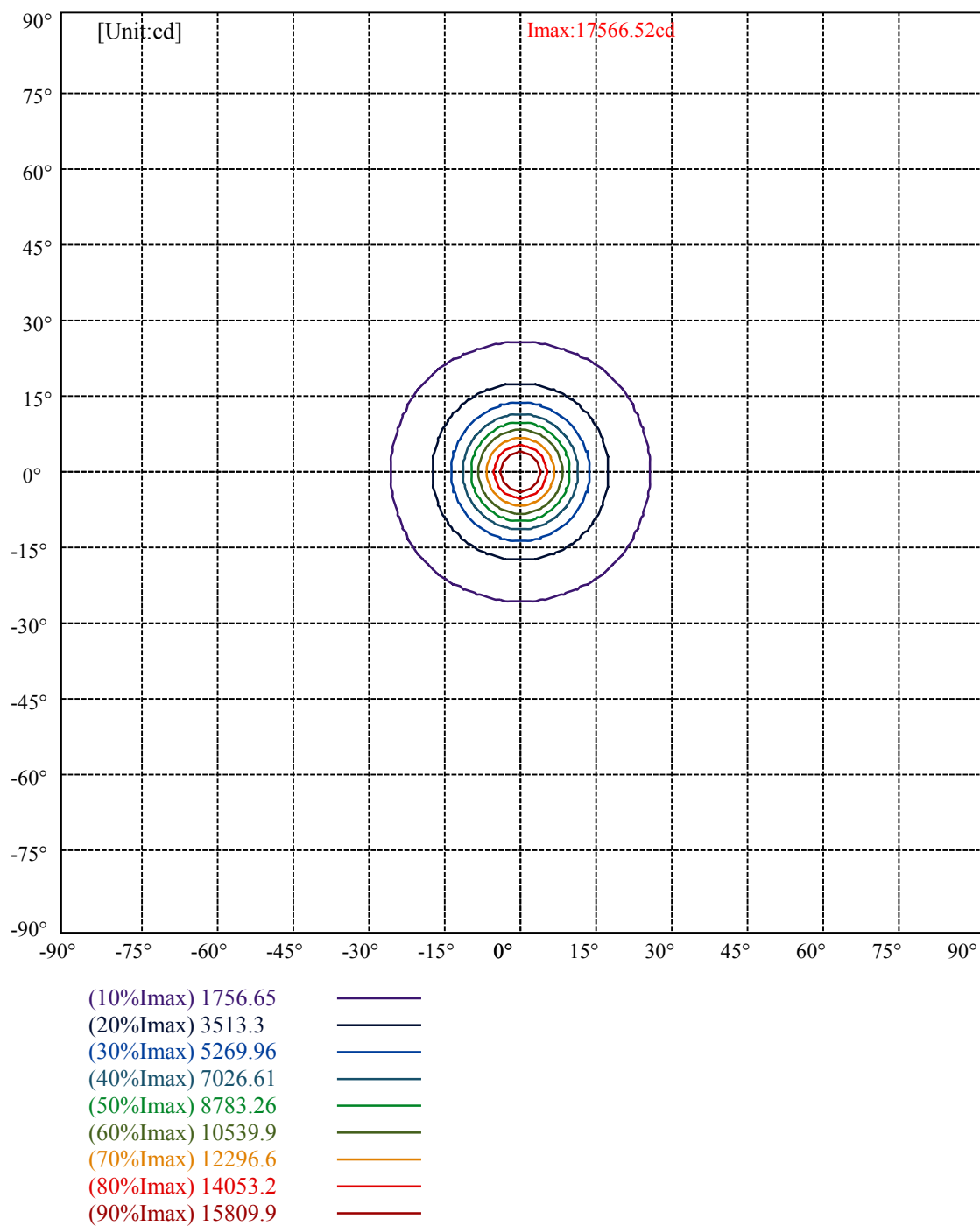
Field angle(10%Imax):C0/180Left:25.4 Right:25.4

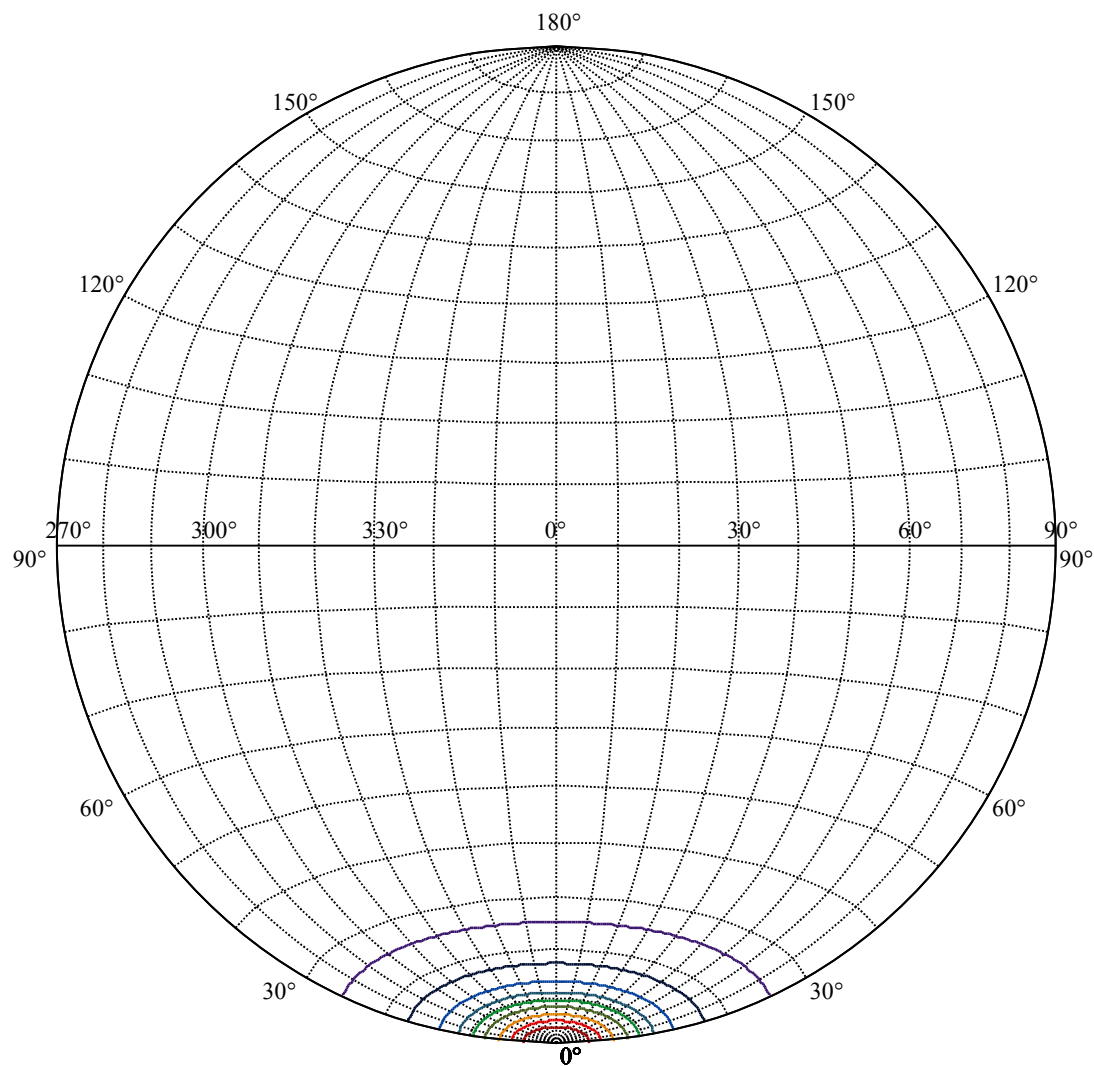
:C90/270Left:25.4 Right:25.4

Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6

:C90/270Left:9.6 Right:9.6





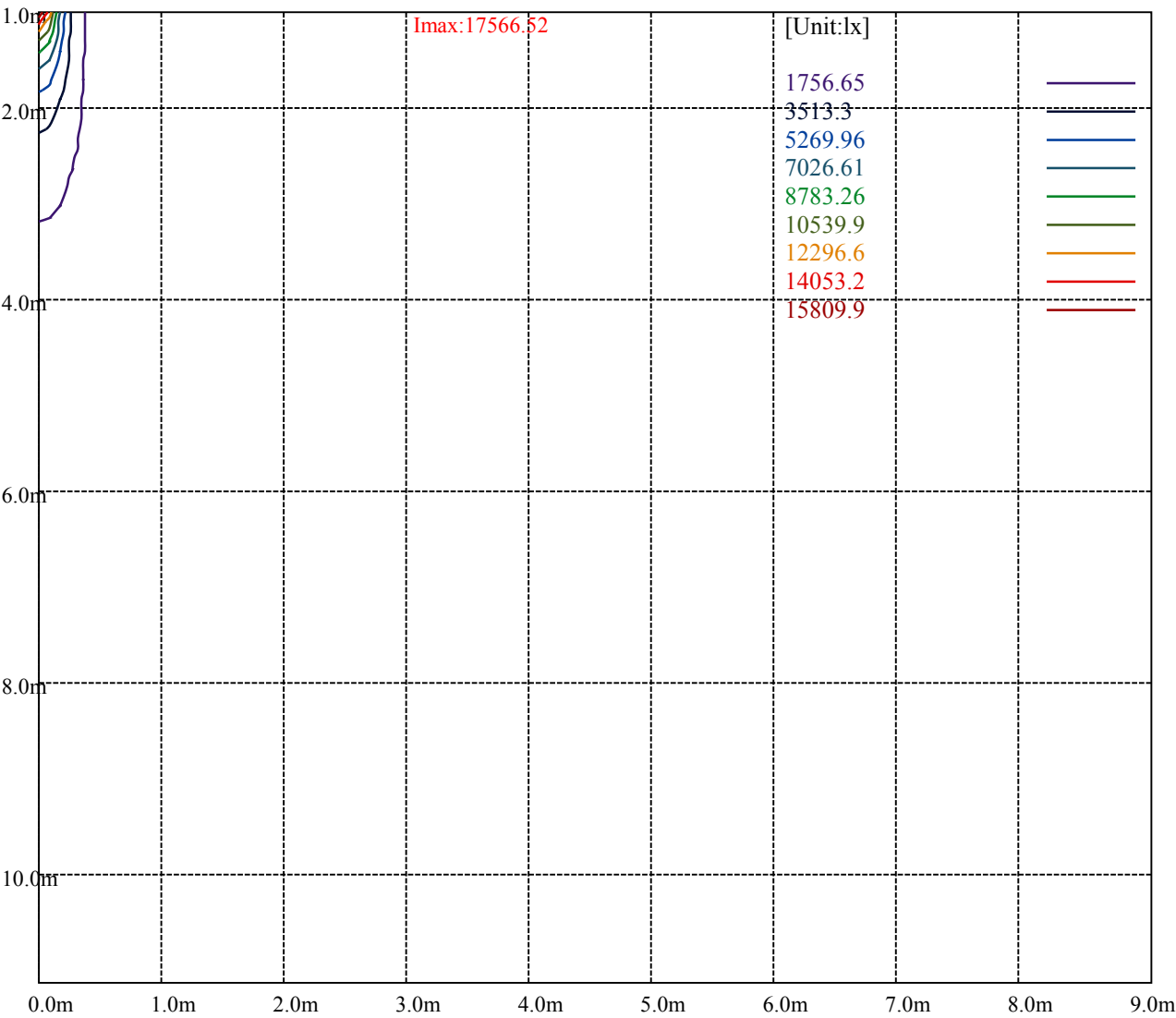


House

[Unit:cd]

Road

Imax:17566.52	
(10%Imax) 1756.65	—
(20%Imax) 3513.3	—
(30%Imax) 5269.96	—
(40%Imax) 7026.61	—
(50%Imax) 8783.26	—
(60%Imax) 10539.9	—
(70%Imax) 12296.6	—
(80%Imax) 14053.2	—
(90%Imax) 15809.9	—



Luminance Limiting Curve(no luminous side)

Luminance Table

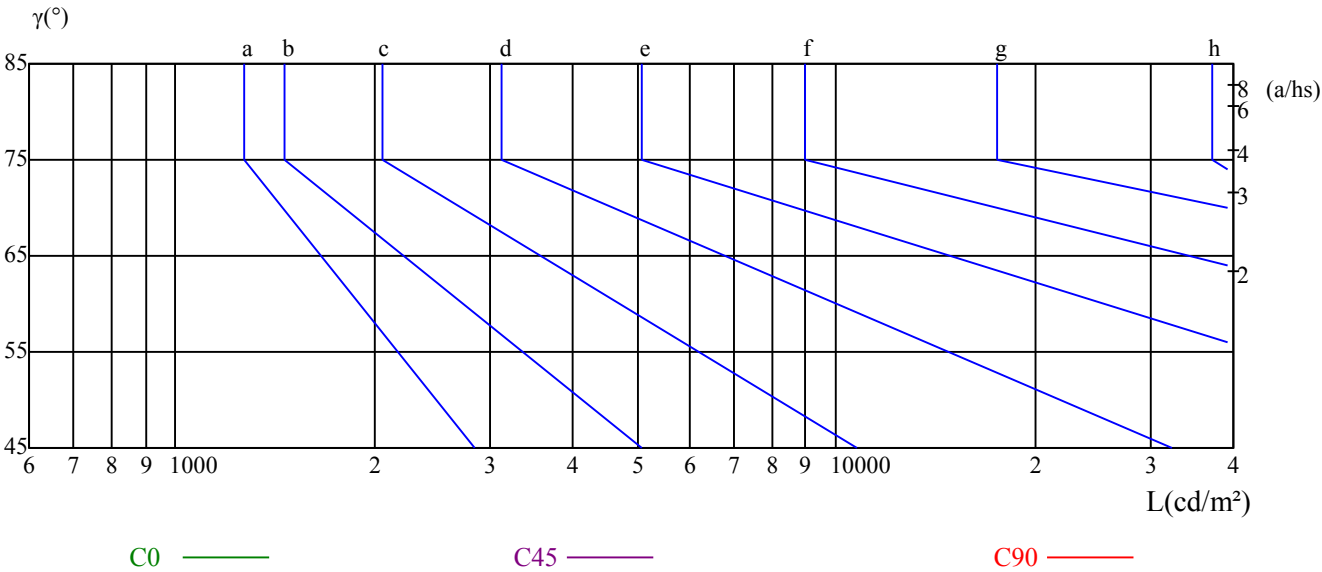
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

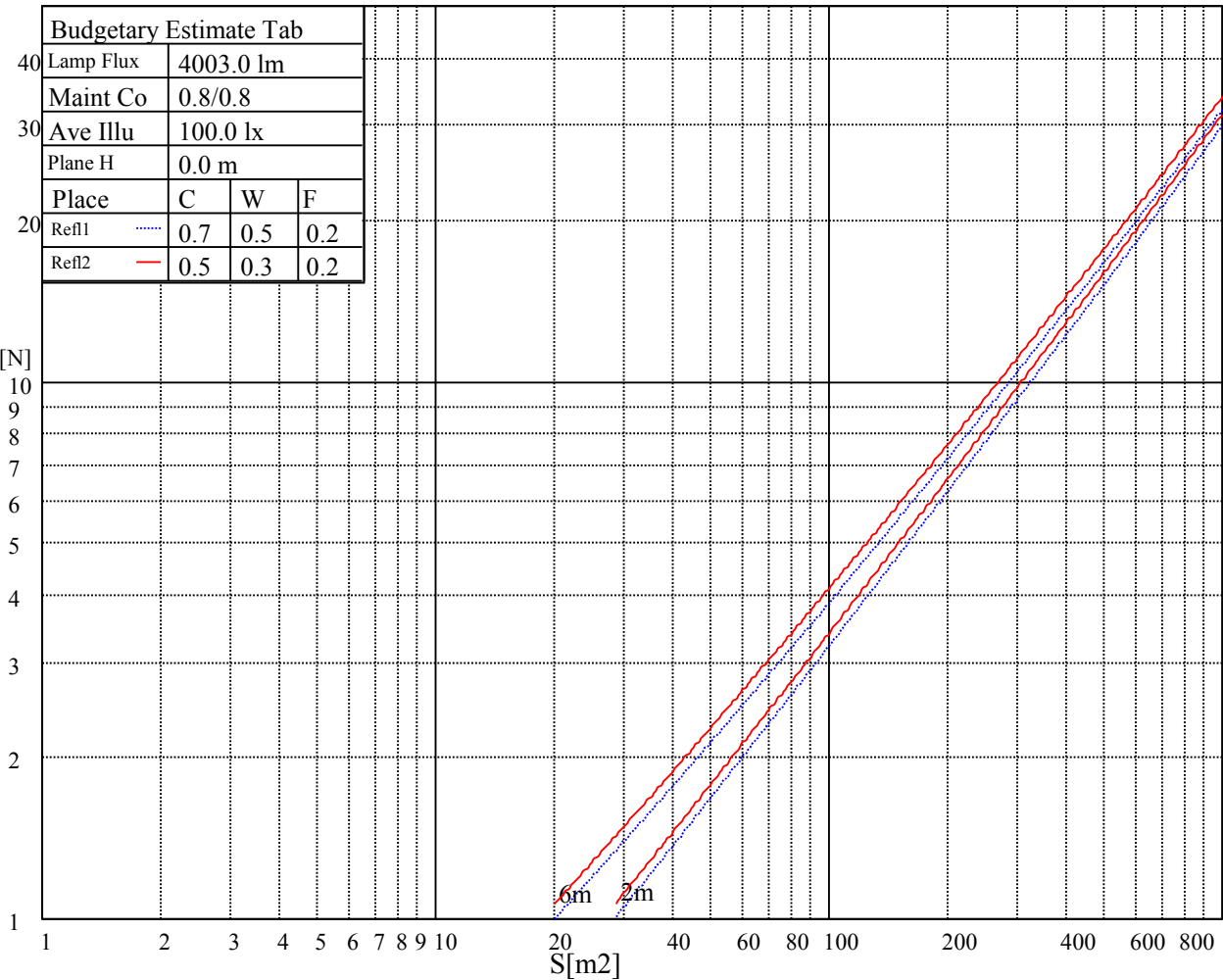
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

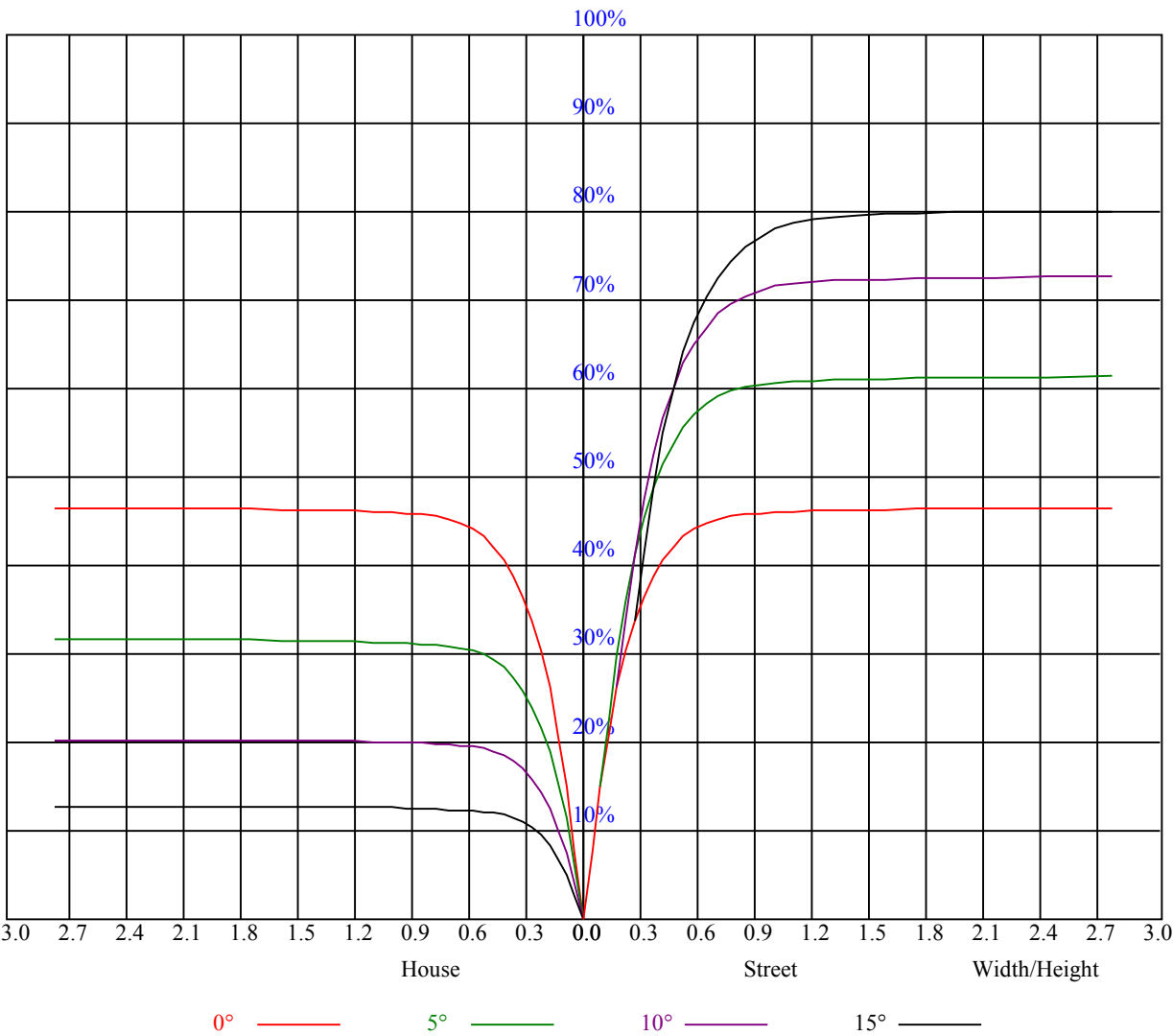


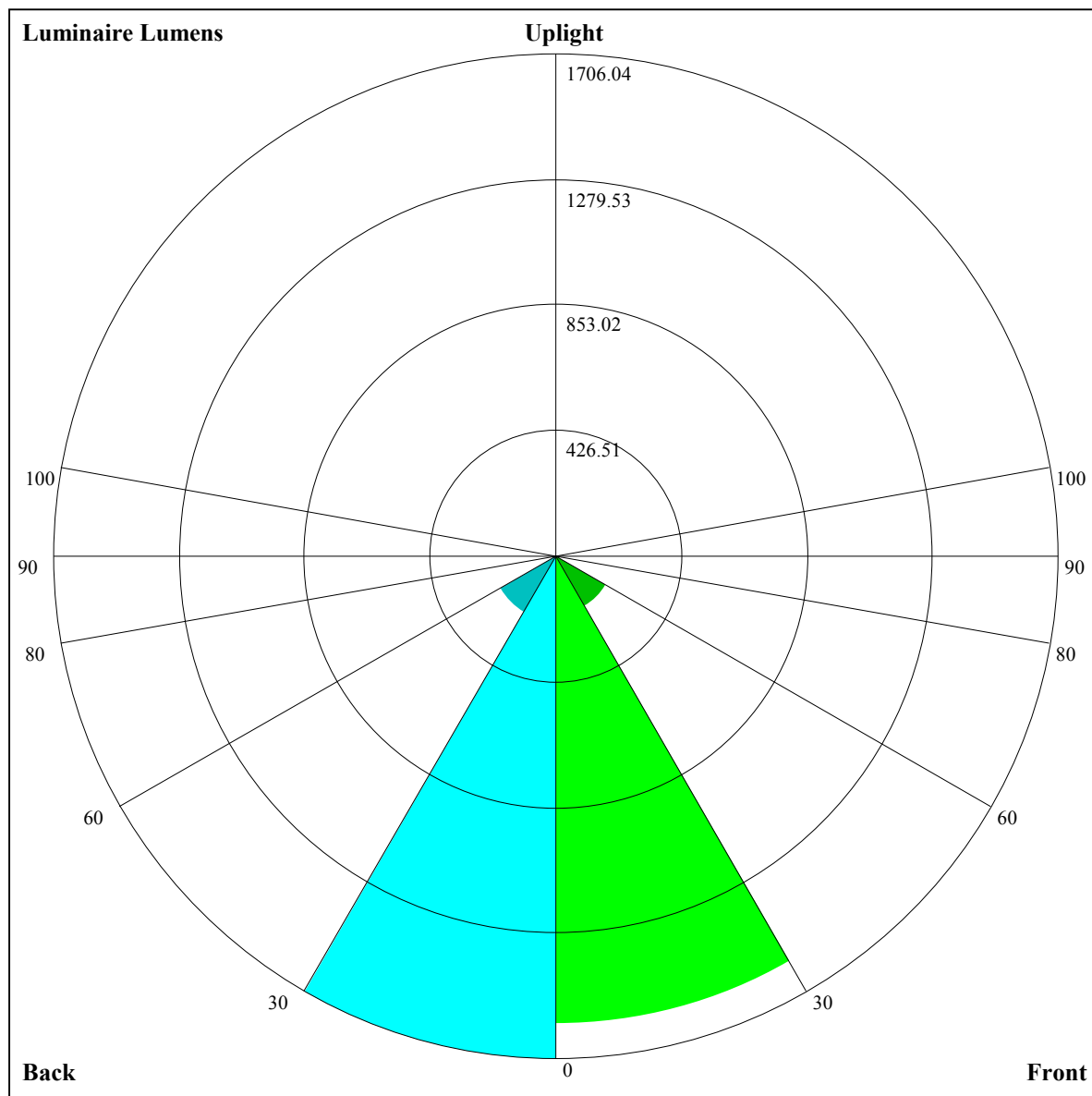
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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



RHOC	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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.89	0.87	0.91	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1587.79,FM=196.23,FH=14.38,FVH=1.55

BL=1706.04,BM=219.74,BH=15.42,BVH=1.65

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	17247.54	16662.52	15837.92	15241.76	14099.58	10350.71	10350.71	10093.31	8833.02
45.0	17732.27	17587.41	17230.83	16595.66	15737.63	14662.31	13932.43	12093.79	11285.90
90.0	17581.84	17152.83	16495.37	15615.06	14985.46	13776.42	11077.81	11077.81	9742.30
135.0	17704.42	17648.70	17308.83	16746.10	15915.93	14874.03	13653.85	12311.08	10923.75
180.0	17247.54	17587.41	17643.13	17453.69	16991.25	16311.51	15375.48	14244.44	12951.82
225.0	17732.27	17581.84	17163.97	16517.66	15603.91	14489.59	12717.81	10786.40	10319.49
270.0	17581.84	17726.70	17615.27	17214.11	16601.23	15732.06	14640.02	13419.84	12082.65
315.0	17704.42	17514.98	17058.11	16344.94	15414.48	14289.01	11093.42	11093.42	10546.82
360.0	17247.54	16662.52	15837.92	15241.76	14099.58	10350.71	10350.71	10093.31	8833.02
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7700.30	6714.65	5881.69	5202.53	4641.48	4165.63	3745.55	3380.03	3076.96
45.0	9937.57	8143.51	7564.06	6544.45	5775.57	5118.12	4566.52	4092.94	3663.92
90.0	8490.32	7363.74	6415.46	5620.93	4982.45	4453.67	3983.45	3583.40	3249.68
135.0	9569.84	8327.37	7240.90	6310.44	5836.86	4923.11	4605.53	4120.79	3552.49
180.0	11597.92	10249.58	8973.68	7825.93	6828.60	5970.57	5274.12	4683.53	4187.65
225.0	9033.02	8290.89	7232.81	6005.37	5574.73	4954.02	4428.60	3967.84	3579.51
270.0	10739.89	9458.41	8249.37	7179.62	6282.59	5552.70	4934.25	4404.95	3948.07
315.0	9259.20	8060.77	7027.24	6139.67	5403.64	4798.59	4301.61	3870.91	3484.79
360.0	7700.30	6714.65	5881.69	5202.53	4641.48	4165.63	3745.55	3380.03	3076.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2868.55	2581.61	2411.67	2216.67	2001.63	1866.81	1704.08	1545.86	1393.75
45.0	3324.05	3017.61	2861.61	2861.61	2358.22	2206.10	1987.13	1862.34	1708.54
90.0	3020.14	2770.52	2502.50	2343.18	2159.32	1990.49	1821.08	1669.54	1515.80
135.0	3335.20	3034.33	2878.32	2878.32	2361.53	2174.88	2005.52	1841.74	1684.58
180.0	3758.64	3463.34	3134.62	2872.75	2822.61	2611.15	2254.56	2076.27	1911.91
225.0	3250.20	2970.52	2732.62	2494.14	2291.88	2112.49	1942.03	1783.24	1632.22
270.0	3558.06	3234.91	3000.90	2755.75	2755.75	2343.71	2160.42	1986.60	1825.55
315.0	3166.63	2889.73	2654.04	2434.54	2315.85	2065.13	1899.66	1801.05	1583.76
360.0	2868.55	2581.61	2411.67	2216.67	2001.63	1866.81	1704.08	1545.86	1393.75
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1046.05	1046.05	956.16	806.62	671.43	554.11	463.44	387.86	348.54
45.0	1549.75	1406.57	1256.72	1101.82	951.91	810.41	675.01	556.90	465.55
90.0	1367.57	1069.59	1069.59	912.38	764.21	630.75	563.05	436.37	364.63
135.0	1564.26	1378.14	1222.71	1097.93	944.13	797.58	664.44	548.54	458.29
180.0	1756.48	1604.94	1463.39	1316.85	1168.10	1016.56	866.12	778.08	594.80
225.0	1482.37	1339.13	1051.04	1051.04	912.54	768.83	634.53	519.11	432.01
270.0	1668.44	1513.54	1364.21	1209.36	1056.66	902.34	811.51	624.86	517.90
315.0	1492.35	1273.96	1075.22	1018.03	869.65	729.83	607.78	505.18	423.08
360.0	1046.05	1046.05	956.16	806.62	671.43	554.11	463.44	387.86	348.54
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	291.20	224.34	200.00	164.47	135.14	111.33	91.93	76.58	64.76
45.0	389.75	324.00	290.04	290.04	192.90	158.90	129.62	106.44	87.67
90.0	327.10	252.77	225.65	185.44	152.27	125.36	103.76	86.41	72.85
135.0	383.60	320.11	286.68	286.68	182.13	151.27	126.04	105.70	95.56
180.0	531.83	444.89	371.93	310.07	287.78	232.69	166.36	136.66	112.80
225.0	356.58	294.67	243.47	201.42	164.26	134.56	111.43	93.25	78.95
270.0	464.97	359.69	322.31	277.21	277.21	171.83	140.50	115.06	94.88
315.0	354.01	294.24	243.68	216.87	163.89	133.77	118.32	97.40	80.89
360.0	291.20	224.34	200.00	164.47	135.14	111.33	91.93	76.58	64.76

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	56.29	50.20	45.83	42.37	39.11	36.85	35.53	34.11	33.27
45.0	72.69	61.45	53.30	47.25	43.05	40.05	37.21	35.22	34.01
90.0	62.55	54.93	49.20	45.15	41.79	38.58	37.00	35.74	34.38
135.0	81.42	67.17	62.29	55.45	50.14	45.94	42.21	39.68	38.11
180.0	93.72	78.79	67.39	58.82	52.30	47.62	45.20	40.53	38.27
225.0	67.39	61.81	52.14	47.46	44.78	41.16	38.27	36.74	35.32
270.0	78.63	66.33	57.29	50.51	45.78	42.21	39.05	36.74	35.95
315.0	68.12	58.82	52.14	47.10	43.47	40.42	37.74	36.22	34.95
360.0	56.29	50.20	45.83	42.37	39.11	36.85	35.53	34.11	33.27
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.38	33.38	33.11	33.11	32.96	32.17	30.59	28.80	25.55
45.0	32.90	32.54	32.54	32.38	32.12	32.38	32.12	31.27	29.75
90.0	33.96	34.11	33.85	33.64	33.64	33.17	31.70	29.54	27.49
135.0	36.69	35.85	35.80	35.48	35.11	35.01	34.59	33.27	31.22
180.0	37.48	35.90	34.69	34.74	34.59	34.27	34.11	34.22	33.38
225.0	34.22	34.11	34.01	33.80	33.80	33.85	32.80	30.96	29.12
270.0	34.85	33.75	33.64	33.85	33.75	33.64	33.96	33.17	31.54
315.0	34.01	33.96	34.06	34.01	33.90	33.96	33.01	32.01	29.33
360.0	33.38	33.38	33.11	33.11	32.96	32.17	30.59	28.80	25.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.02	19.13	16.35	14.30	12.83	11.67	10.72	9.88	9.25
45.0	27.12	24.60	21.39	18.61	15.87	13.98	12.56	11.35	10.41
90.0	23.86	20.66	17.98	15.40	13.77	12.46	11.35	10.46	9.72
135.0	28.86	25.39	21.97	19.71	16.45	14.93	13.40	11.98	11.20
180.0	31.64	29.65	26.44	22.71	19.87	17.03	14.72	13.14	11.93
225.0	26.07	22.50	19.76	17.03	15.72	14.09	11.98	11.25	10.35
270.0	29.75	26.91	23.18	20.08	17.35	14.98	13.46	12.14	11.04
315.0	27.70	24.02	19.71	17.92	15.35	13.67	12.35	11.30	10.46
360.0	22.02	19.13	16.35	14.30	12.83	11.67	10.72	9.88	9.25
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.67	8.09	7.62	7.15	6.68	6.10	5.73	4.89	4.36
45.0	9.72	8.99	8.46	7.88	7.46	6.94	6.47	5.83	5.57
90.0	9.04	8.52	7.99	7.52	6.99	6.47	6.04	5.26	4.63
135.0	10.35	9.57	8.94	8.36	7.83	7.31	6.73	6.20	5.57
180.0	11.20	9.93	9.25	8.83	8.30	7.78	7.31	6.73	6.15
225.0	9.62	8.88	8.25	7.73	7.31	6.73	6.15	5.62	5.10
270.0	10.25	9.51	9.04	8.52	7.73	7.46	6.99	6.47	5.89
315.0	9.67	9.04	8.52	7.94	7.46	6.94	6.41	5.83	5.20
360.0	8.67	8.09	7.62	7.15	6.68	6.10	5.73	4.89	4.36
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.89	3.42	3.05	2.73	2.31	2.00	1.68	1.26	1.26
45.0	4.63	4.15	3.68	3.21	2.73	2.37	2.00	1.73	1.37
90.0	4.15	3.73	3.15	2.89	2.47	2.10	1.89	1.58	1.21
135.0	4.94	4.47	3.84	3.26	2.79	2.31	2.05	1.68	1.31
180.0	5.68	4.94	4.36	3.78	3.31	2.79	2.31	2.05	1.68
225.0	4.57	3.99	3.42	3.00	2.52	2.26	1.89	1.52	1.21
270.0	5.31	4.63	4.10	3.57	3.10	2.63	2.26	1.94	1.58
315.0	4.68	4.21	3.57	3.05	2.73	2.26	1.94	1.58	1.26
360.0	3.89	3.42	3.05	2.73	2.31	2.00	1.68	1.26	1.26

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	1.21
45.0	1.16
90.0	1.26
135.0	1.05
180.0	1.31
225.0	1.05
270.0	1.16
315.0	1.05
360.0	1.21