



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: 2-2689-L

Luminaire: 92.70.412.00

Report No: 2024326-B027

Ballast type: AC

Test No: 2024326-C027

Voltage(V): 34.450

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.804

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3522.18, Efficiency(%): 83.27% , Luminous Efficacy(lm/W): 142.00

Central intensity(cd): 6410.321, Maximum intensity(cd): 6410.321

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=44.0

[C90/270]Total=44.0

Field angle(10%Imax): [C0/180]Total=67.2

[C90/270]Total=67.2

Maximum s/h(1/2): C0_180=0.70 C90_270=0.70

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.27%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.895%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
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	6410.321	0.000	0	0.00%	0.00%
1.0	6408.931	6.134	6.134	0.15%	0.17%
2.0	6399.128	18.383	24.517	0.43%	0.70%
3.0	6382.157	30.569	55.086	0.72%	1.56%
4.0	6347.263	42.609	97.695	1.01%	2.77%
5.0	6291.447	54.371	152.066	1.29%	4.32%
6.0	6216.831	65.734	217.801	1.55%	6.18%
7.0	6125.535	76.609	294.409	1.81%	8.36%
8.0	6012.660	86.871	381.28	2.05%	10.83%
9.0	5875.132	96.344	477.624	2.28%	13.56%
10.0	5730.801	105.029	582.654	2.48%	16.54%
11.0	5558.599	112.804	695.458	2.67%	19.75%
12.0	5385.592	119.636	815.094	2.83%	23.14%
13.0	5165.986	125.221	940.314	2.96%	26.70%
14.0	4960.133	129.613	1069.928	3.06%	30.38%
15.0	4763.132	133.485	1203.413	3.16%	34.17%
16.0	4553.694	136.518	1339.931	3.23%	38.04%
17.0	4329.626	138.337	1478.268	3.27%	41.97%
18.0	4109.435	139.142	1617.41	3.29%	45.92%
19.0	3904.094	139.419	1756.829	3.30%	49.88%
20.0	3676.076	138.738	1895.567	3.28%	53.82%
21.0	3428.453	136.421	2031.988	3.23%	57.69%
22.0	3199.557	133.193	2165.181	3.15%	61.47%
23.0	2972.636	129.509	2294.69	3.06%	65.15%
24.0	2741.984	124.942	2419.632	2.95%	68.70%
25.0	2485.290	118.857	2538.489	2.81%	72.07%
26.0	2245.567	111.672	2650.161	2.64%	75.24%
27.0	2002.698	103.935	2754.096	2.46%	78.19%
28.0	1736.911	94.679	2848.775	2.24%	80.88%
29.0	1474.057	84.008	2932.783	1.99%	83.27%
30.0	1226.551	72.916	3005.699	1.72%	85.34%
31.0	1082.915	64.269	3069.968	1.52%	87.16%
32.0	905.541	56.967	3126.935	1.35%	88.78%
33.0	737.932	48.417	3175.352	1.14%	90.15%
34.0	574.640	39.722	3215.075	0.94%	91.28%
35.0	460.843	32.158	3247.233	0.76%	92.19%
36.0	364.507	26.279	3273.512	0.62%	92.94%
37.0	299.467	21.655	3295.167	0.51%	93.55%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	255.656	18.529	3313.697	0.44%	94.08%
39.0	184.843	15.035	3328.732	0.36%	94.51%
40.0	158.420	11.972	3340.704	0.28%	94.85%
41.0	123.051	10.023	3350.727	0.24%	95.13%
42.0	104.931	8.283	3359.01	0.20%	95.37%
43.0	93.307	7.343	3366.353	0.17%	95.58%
44.0	84.880	6.725	3373.078	0.16%	95.77%
45.0	78.288	6.271	3379.349	0.15%	95.94%
46.0	73.175	5.923	3385.273	0.14%	96.11%
47.0	68.581	5.638	3390.911	0.13%	96.27%
48.0	65.165	5.407	3396.317	0.13%	96.43%
49.0	61.858	5.216	3401.534	0.12%	96.57%
50.0	58.727	5.028	3406.561	0.12%	96.72%
51.0	55.735	4.843	3411.404	0.11%	96.85%
52.0	53.168	4.673	3416.077	0.11%	96.99%
53.0	50.805	4.523	3420.6	0.11%	97.12%
54.0	48.244	4.366	3424.966	0.10%	97.24%
55.0	45.969	4.206	3429.171	0.10%	97.36%
56.0	43.826	4.058	3433.229	0.10%	97.47%
57.0	41.880	3.919	3437.147	0.09%	97.59%
58.0	39.817	3.778	3440.925	0.09%	97.69%
59.0	37.901	3.633	3444.559	0.09%	97.80%
60.0	36.094	3.496	3448.054	0.08%	97.90%
61.0	34.184	3.354	3451.408	0.08%	97.99%
62.0	32.495	3.213	3454.621	0.08%	98.08%
63.0	30.578	3.068	3457.689	0.07%	98.17%
64.0	28.903	2.919	3460.608	0.07%	98.25%
65.0	27.637	2.798	3463.406	0.07%	98.33%
66.0	26.716	2.712	3466.117	0.06%	98.41%
67.0	26.189	2.660	3468.778	0.06%	98.48%
68.0	26.225	2.655	3471.433	0.06%	98.56%
69.0	26.503	2.690	3474.123	0.06%	98.64%
70.0	26.679	2.731	3476.854	0.06%	98.71%
71.0	26.467	2.747	3479.601	0.06%	98.79%
72.0	26.196	2.738	3482.339	0.06%	98.87%
73.0	25.947	2.727	3485.066	0.06%	98.95%
74.0	25.655	2.713	3487.779	0.06%	99.02%
75.0	25.238	2.689	3490.468	0.06%	99.10%

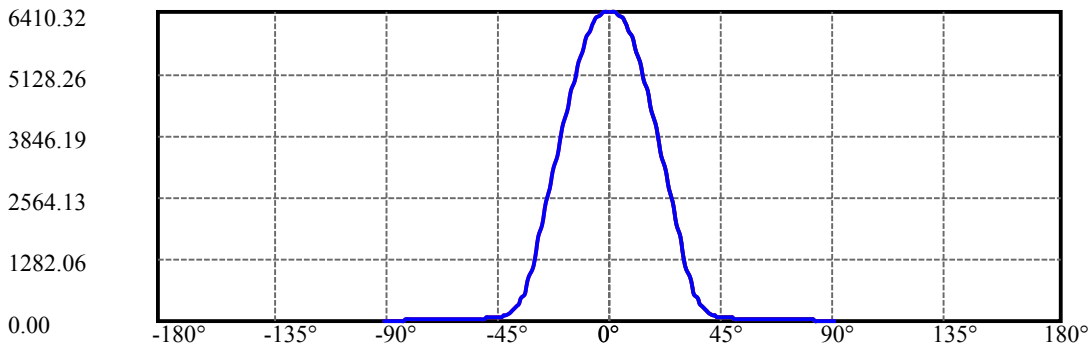
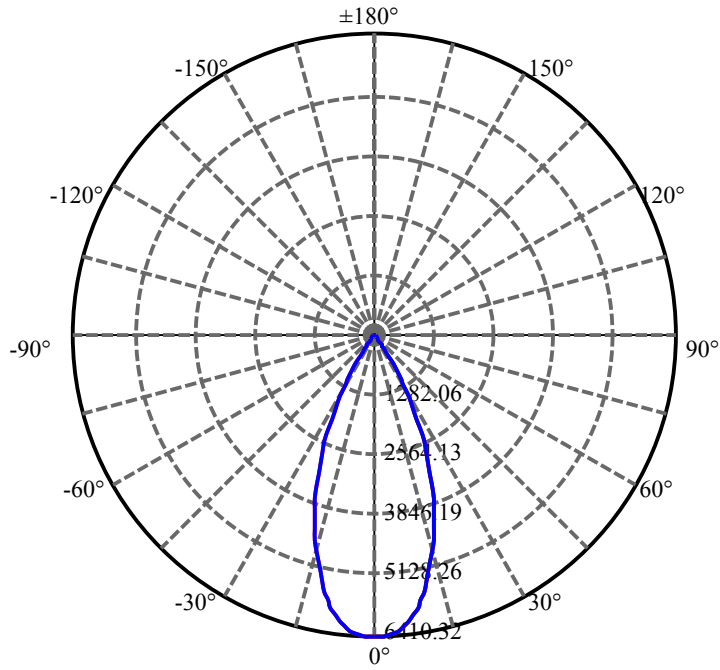
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.675	2.650	3493.117	0.06%	99.17%
77.0	24.023	2.596	3495.714	0.06%	99.25%
78.0	23.372	2.537	3498.251	0.06%	99.32%
79.0	22.363	2.457	3500.708	0.06%	99.39%
80.0	21.156	2.346	3503.054	0.06%	99.46%
81.0	20.454	2.250	3505.305	0.05%	99.52%
82.0	19.898	2.188	3507.493	0.05%	99.58%
83.0	19.217	2.126	3509.619	0.05%	99.64%
84.0	18.303	2.044	3511.663	0.05%	99.70%
85.0	17.301	1.943	3513.606	0.05%	99.76%
86.0	16.306	1.837	3515.443	0.04%	99.81%
87.0	15.713	1.752	3517.196	0.04%	99.86%
88.0	15.267	1.697	3518.893	0.04%	99.91%
89.0	14.923	1.655	3520.547	0.04%	99.95%
90.0	14.857	1.633	3522.18	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3005.70	71.06%	85.34%
0-40	3340.70	78.98%	94.85%
0-60	3448.05	81.51%	97.90%
0-90	3520.55	83.23%	99.95%
0-120	3520.55	83.23%	99.95%
0-180	3522.18	83.27%	100.00%
60-90	72.49	1.71%	2.06%
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%
0-27.67	2817.74	66.61%	80.00%

ZONAL LUMEN SUMMARY

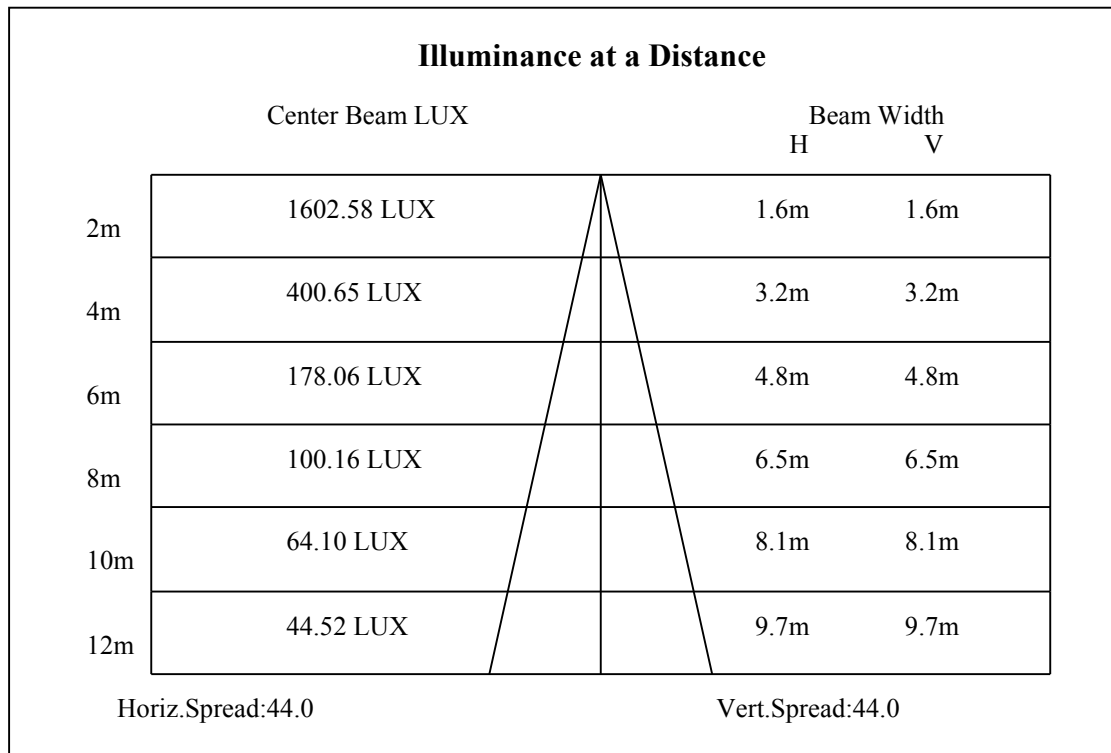
0-10	582.65
10-20	1312.91
20-30	1110.13
30-40	335.00
40-50	65.86
50-60	41.49
60-70	28.80
70-80	26.20
80-90	17.49
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

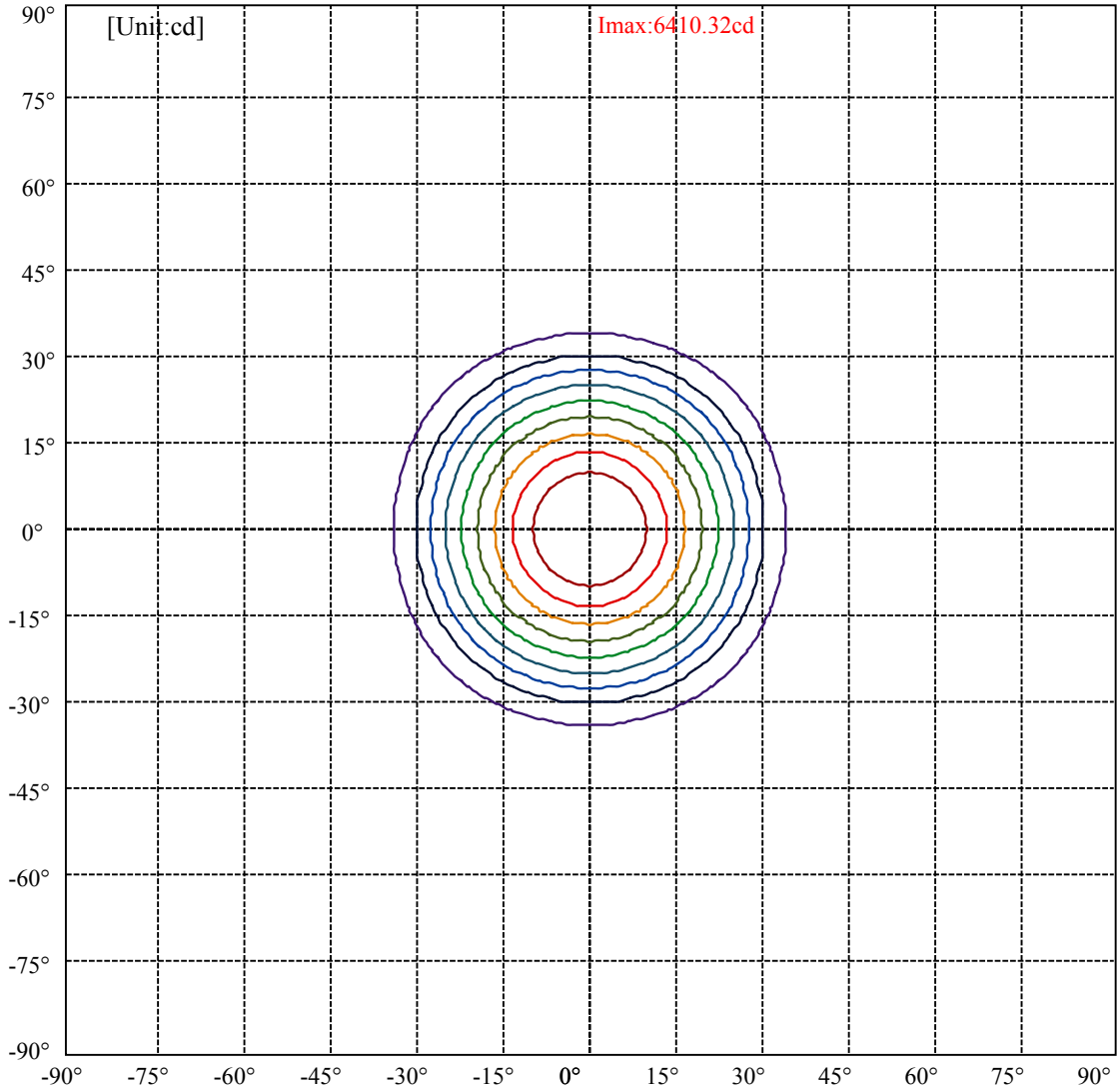


C0(Max): —————
C0/C180: —————
C90/C270: —————

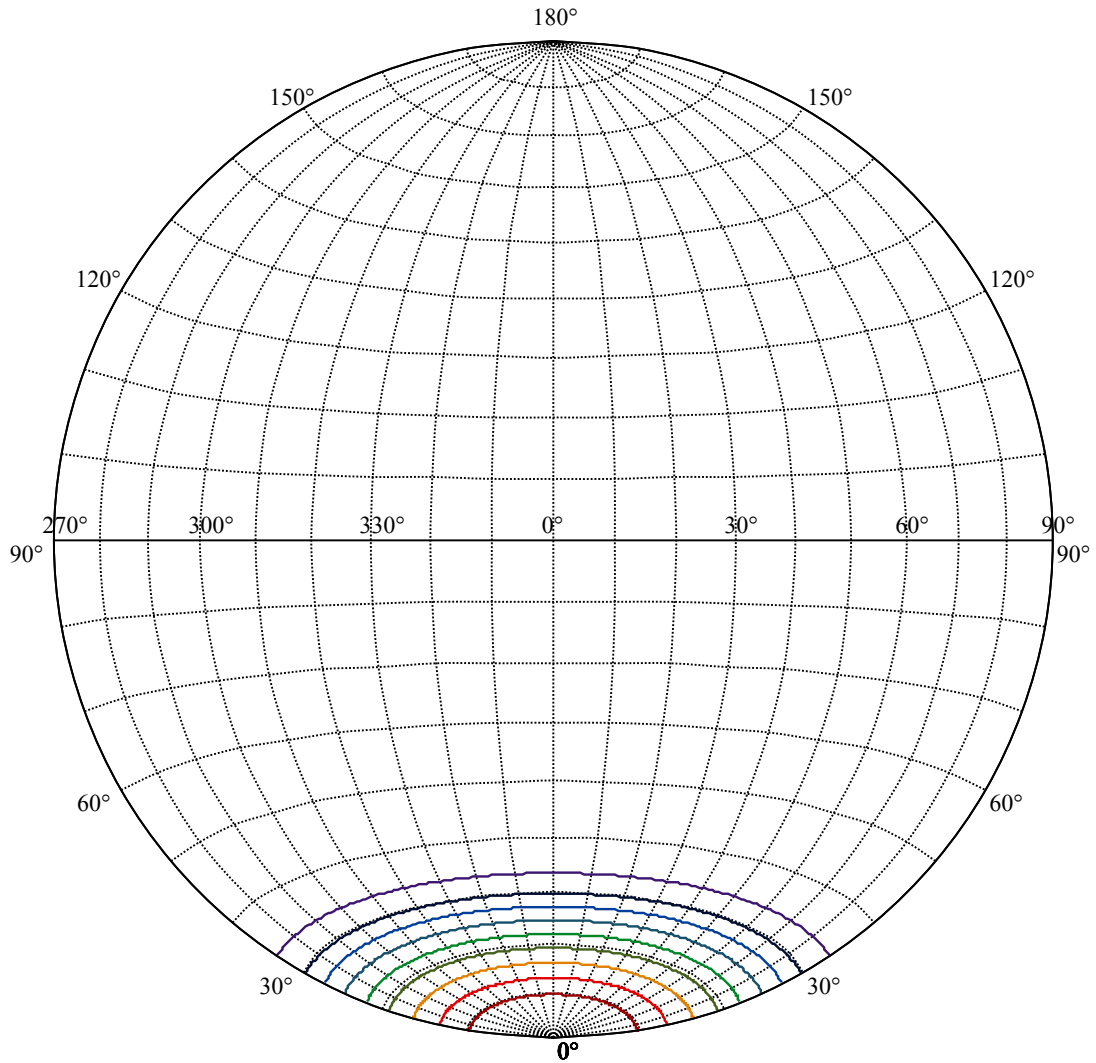
Field angle(10%Imax):C0/180Left:33.6 Right:33.6
:C90/270Left:33.6 Right:33.6

Beam Angle(50%Imax):C0/180Left:22.0 Right:22.0
:C90/270Left:22.0 Right:22.0





(10%I _{max}) 641.032	—
(20%I _{max}) 1282.06	—
(30%I _{max}) 1923.1	—
(40%I _{max}) 2564.13	—
(50%I _{max}) 3205.16	—
(60%I _{max}) 3846.19	—
(70%I _{max}) 4487.22	—
(80%I _{max}) 5128.26	—
(90%I _{max}) 5769.29	—



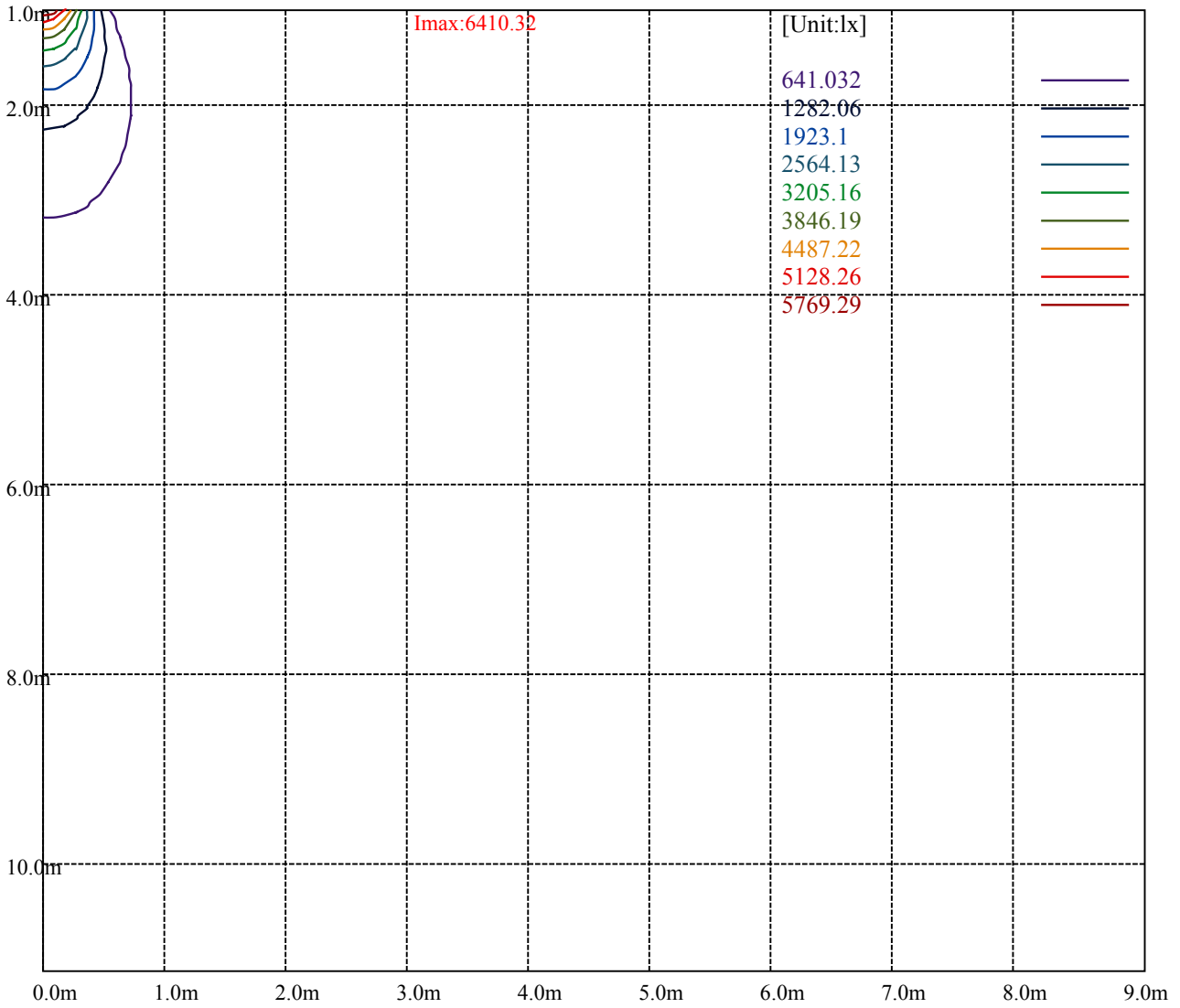
House

[Unit:cd]

Road

I_{max}:6410.32

(10%I _{max})	641.032	—
(20%I _{max})	1282.06	—
(30%I _{max})	1923.1	—
(40%I _{max})	2564.13	—
(50%I _{max})	3205.16	—
(60%I _{max})	3846.19	—
(70%I _{max})	4487.22	—
(80%I _{max})	5128.26	—
(90%I _{max})	5769.29	—



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

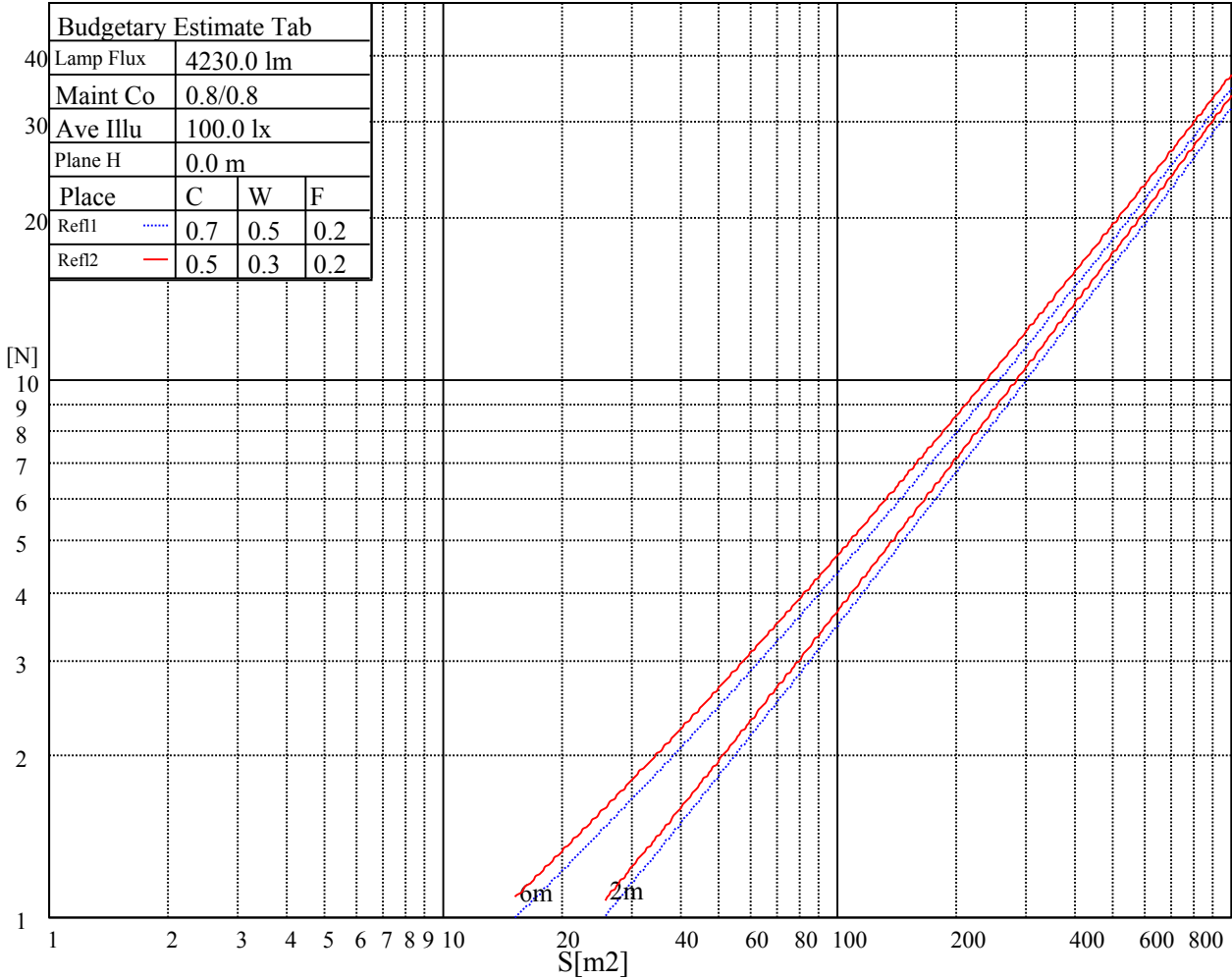
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

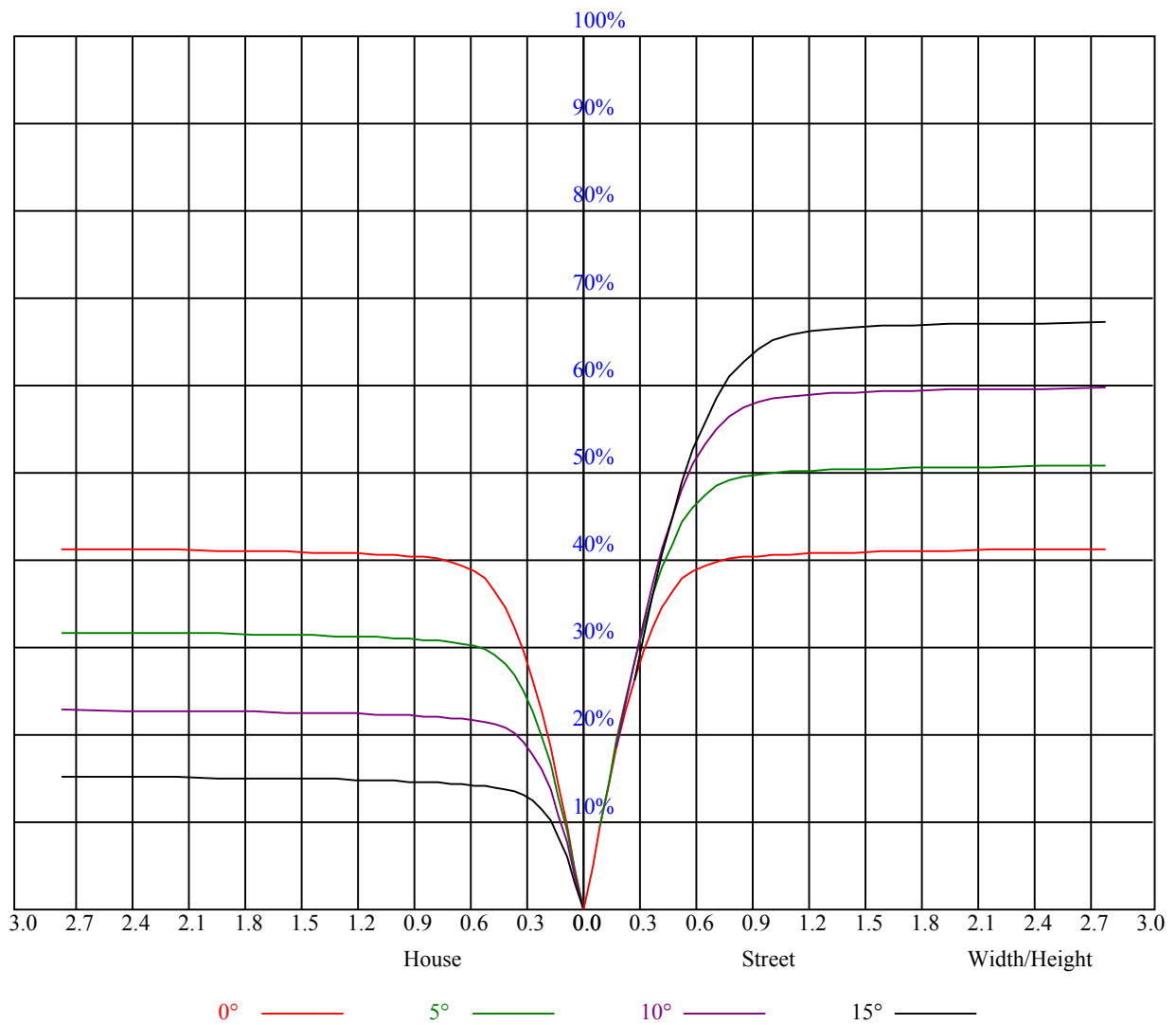


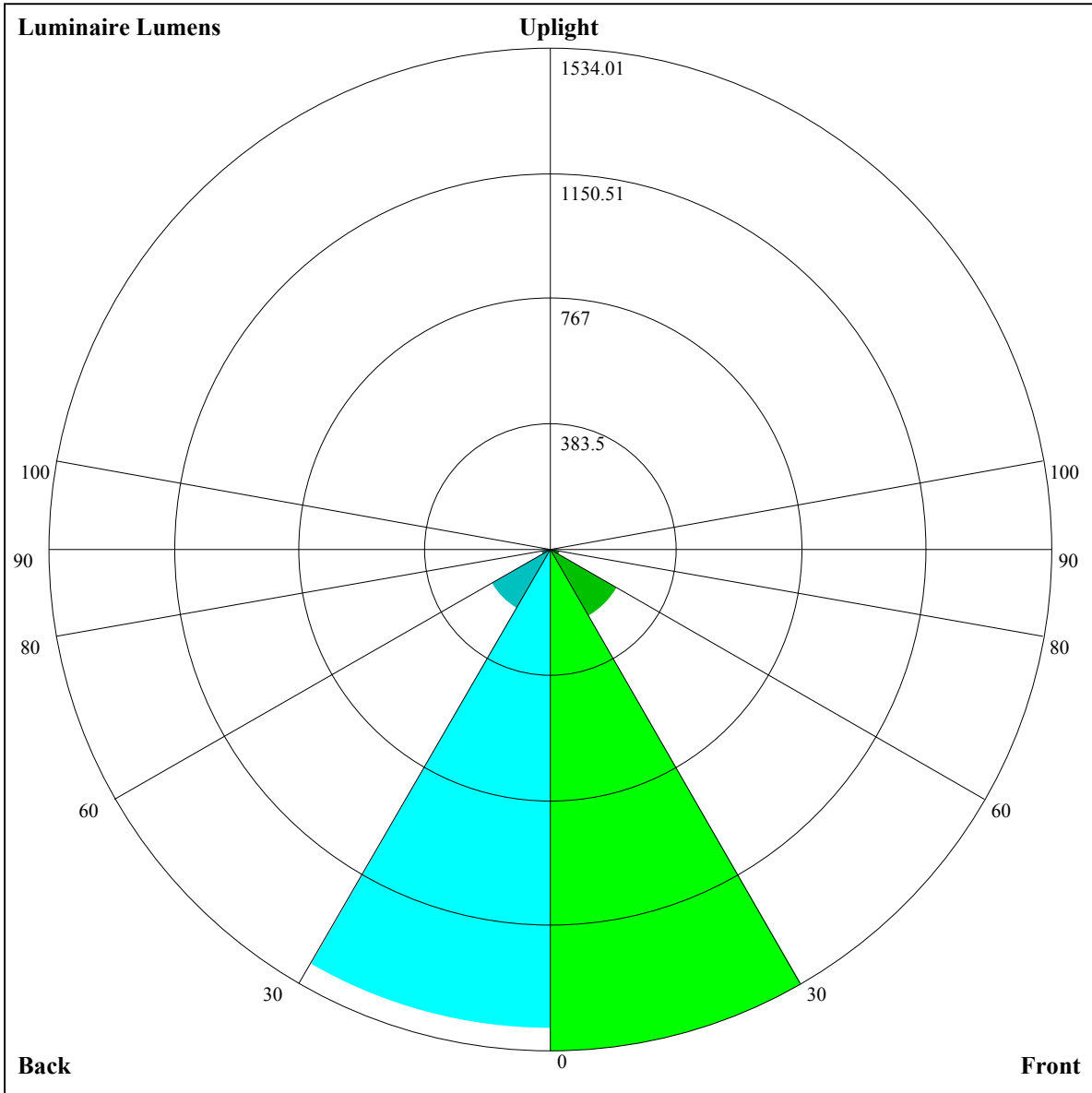
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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



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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.92	0.90	0.89	0.91	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.68	0.66	0.64	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49





Luminaire Lumens:

FL=1534.01,FM=235.08,FH=27.49,FVH=9.7

BL=1466.99,BM=211.11,BH=28.44,BVH=9.51

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	6414.71	6415.29	6412.37	6405.35	6384.86	6339.22	6283.03	6208.71	6093.42
45.0	6411.78	6411.20	6408.27	6407.69	6396.57	6371.99	6339.22	6286.55	6195.25
90.0	6412.37	6410.61	6403.01	6386.03	6350.33	6300.59	6216.32	6126.19	6026.12
135.0	6402.42	6405.93	6405.93	6390.13	6363.21	6324.00	6241.48	6159.55	6060.06
180.0	6414.71	6417.05	6411.20	6390.13	6338.05	6278.35	6199.93	6076.45	5962.33
225.0	6411.78	6401.25	6366.72	6321.07	6261.97	6154.87	6046.60	5922.54	5786.76
270.0	6412.37	6416.47	6401.25	6388.37	6351.51	6304.10	6226.27	6137.31	6000.37
315.0	6402.42	6393.64	6384.28	6368.48	6331.61	6258.45	6181.79	6086.98	5976.96
360.0	6414.71	6415.29	6412.37	6405.35	6384.86	6339.22	6283.03	6208.71	6093.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5986.33	5856.41	5666.79	5495.91	5262.99	5068.11	4866.20	4667.23	4423.77
45.0	6110.98	6015.59	5889.76	5749.31	5547.41	5367.16	5175.79	4921.22	4726.34
90.0	5912.59	5742.87	5584.28	5412.80	5231.97	4985.59	4793.05	4589.39	4399.78
135.0	5913.76	5780.33	5634.02	5470.74	5247.19	5055.23	4849.82	4648.50	4406.80
180.0	5797.88	5637.53	5467.82	5283.47	5041.19	4839.28	4642.06	4451.28	4207.24
225.0	5587.20	5417.49	5238.41	5045.87	4791.88	4593.49	4398.02	4165.69	3960.28
270.0	5879.81	5733.51	5535.12	5353.70	5122.53	4932.92	4734.53	4534.97	4298.54
315.0	5813.51	5662.70	5452.60	5272.94	5082.74	4839.28	4645.57	4451.28	4214.26
360.0	5986.33	5856.41	5666.79	5495.91	5262.99	5068.11	4866.20	4667.23	4423.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4228.89	4024.65	3812.80	3543.60	3321.21	3104.68	2884.63	2604.31	2381.92
45.0	4479.96	4286.83	4087.27	3823.33	3603.87	3389.10	3177.25	2899.26	2676.88
90.0	4156.91	3950.33	3684.64	3469.27	3245.72	2978.27	2745.93	2524.13	2246.74
135.0	4213.09	4015.29	3754.86	3536.57	3271.47	3055.52	2838.98	2556.91	2334.52
180.0	3994.80	3790.56	3526.62	3292.53	3085.36	2823.77	2590.26	2323.40	2093.41
225.0	3695.17	3474.54	3263.27	3044.98	2777.54	2559.25	2339.20	2114.48	1830.64
270.0	4094.88	3887.71	3686.98	3394.95	3183.68	2976.51	2686.24	2464.44	2234.45
315.0	4011.78	3802.85	3592.17	3322.38	3107.60	2894.00	2673.37	2395.38	2165.98
360.0	4228.89	4024.65	3812.80	3543.60	3321.21	3104.68	2884.63	2604.31	2381.92
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2096.92	1869.85	1650.98	1128.84	1128.84	991.08	819.96	629.06	504.52
45.0	2447.47	2218.06	1928.37	1699.55	1475.41	1213.82	1026.54	810.01	657.27
90.0	2014.40	1784.99	1394.65	1146.57	1098.82	919.21	752.54	573.87	459.23
135.0	2102.77	1872.19	1644.54	1369.49	1165.83	984.41	814.69	631.52	510.37
180.0	1871.02	1650.39	1431.52	1174.61	989.09	819.96	668.39	512.13	413.23
225.0	1603.58	1131.12	1131.12	952.45	788.47	639.42	489.13	394.38	300.22
270.0	1945.93	1714.77	1488.87	1218.50	1032.98	865.61	674.82	546.07	440.73
315.0	1939.49	1653.90	1122.40	1122.40	983.88	810.83	657.38	500.07	401.17
360.0	2096.92	1869.85	1650.98	1128.84	1128.84	991.08	819.96	629.06	504.52
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	403.75	322.40	242.87	194.00	158.89	132.09	109.50	96.62	87.32
45.0	529.10	423.18	319.59	302.03	302.03	166.26	133.84	115.17	100.66
90.0	365.88	292.20	221.68	179.25	142.85	122.02	106.92	92.93	84.80
135.0	386.89	309.64	309.64	186.04	153.86	130.39	108.79	95.92	86.91
180.0	314.32	296.77	296.77	159.94	126.53	108.21	93.52	85.27	79.06
225.0	239.88	193.01	157.02	125.24	108.15	96.33	88.08	80.47	75.67
270.0	355.29	302.03	302.03	172.64	142.50	115.82	101.65	91.94	83.39
315.0	320.94	256.50	195.64	159.59	132.55	113.30	97.15	88.13	81.23
360.0	403.75	322.40	242.87	194.00	158.89	132.09	109.50	96.62	87.32

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	78.77	73.74	68.82	65.37	62.15	58.52	55.89	53.49	51.15
45.0	90.30	81.40	76.14	71.87	67.30	63.91	60.04	57.35	54.78
90.0	78.48	73.80	68.88	65.49	62.44	59.52	56.24	53.72	51.32
135.0	80.29	74.21	70.23	66.66	63.32	59.63	56.94	54.37	51.97
180.0	74.15	70.05	65.55	62.33	59.40	56.71	53.55	51.09	48.81
225.0	71.57	67.89	63.79	60.80	57.47	54.84	52.38	49.51	47.34
270.0	78.01	73.68	69.06	65.78	62.68	59.22	56.59	54.02	51.62
315.0	74.73	70.64	66.19	63.03	60.10	57.47	54.25	51.79	49.45
360.0	78.77	73.74	68.82	65.37	62.15	58.52	55.89	53.49	51.15
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	48.87	46.12	44.01	42.02	39.68	37.98	36.28	34.12	32.42
45.0	51.79	49.57	47.46	45.41	42.96	41.08	39.27	37.51	35.64
90.0	48.52	46.35	44.24	41.79	39.97	38.27	36.17	34.41	32.77
135.0	49.22	47.23	44.59	42.66	40.38	38.62	36.75	34.94	33.12
180.0	46.12	44.07	41.61	39.80	38.10	35.99	34.29	32.71	31.13
225.0	45.35	42.96	41.14	39.50	37.75	35.52	33.83	32.13	30.55
270.0	48.75	46.70	44.65	42.78	40.44	38.62	36.87	34.65	32.89
315.0	47.34	44.77	42.90	41.08	39.27	37.10	35.29	33.01	31.43
360.0	48.87	46.12	44.01	42.02	39.68	37.98	36.28	34.12	32.42
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.43	28.79	27.27	26.10	25.05	24.40	23.88	23.41	23.00
45.0	33.53	31.89	30.20	28.21	26.86	25.81	25.11	24.58	23.99
90.0	31.19	29.03	27.68	26.63	26.16	26.80	27.80	28.32	27.74
135.0	31.08	29.38	27.86	26.86	25.87	25.22	24.70	24.11	23.70
180.0	29.14	27.68	26.69	25.98	25.46	25.05	24.76	24.58	24.70
225.0	28.56	27.56	26.57	26.16	25.93	26.98	28.97	30.43	31.25
270.0	30.90	29.20	28.27	28.09	29.32	31.19	33.01	34.53	34.29
315.0	29.79	27.68	26.57	25.69	24.87	24.35	23.82	23.47	23.06
360.0	30.43	28.79	27.27	26.10	25.05	24.40	23.88	23.41	23.00
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.53	22.18	21.83	21.54	21.36	21.07	20.83	20.66	20.37
45.0	23.58	23.17	22.82	22.47	22.24	22.00	21.77	21.48	21.24
90.0	26.92	25.98	25.16	24.40	23.41	22.59	21.83	21.30	20.95
135.0	23.23	22.82	22.53	22.12	21.83	21.59	21.36	21.13	20.78
180.0	25.11	25.57	25.81	25.63	25.34	24.87	24.35	23.64	21.89
225.0	31.84	32.30	32.66	32.54	30.90	28.91	26.69	22.59	20.54
270.0	33.77	33.24	32.42	31.49	30.84	29.85	29.09	27.15	22.77
315.0	22.59	22.30	22.00	21.71	21.48	21.30	21.07	20.95	20.72
360.0	22.53	22.18	21.83	21.54	21.36	21.07	20.83	20.66	20.37
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.25	19.90	19.49	18.67	17.79	16.68	15.80	15.45	15.22
45.0	21.01	20.66	20.31	19.78	19.02	17.85	16.68	15.80	15.33
90.0	20.72	20.19	19.49	18.67	17.79	16.56	15.86	15.51	14.92
135.0	20.54	20.13	19.55	18.67	17.56	16.50	16.04	15.68	14.81
180.0	20.19	19.37	18.67	17.73	16.68	15.98	15.63	14.69	14.81
225.0	19.78	18.96	17.85	16.80	15.74	15.33	14.81	14.69	14.81
270.0	20.72	20.01	19.20	18.20	16.97	15.80	15.51	15.16	14.81
315.0	20.42	19.96	19.20	17.91	16.85	15.74	15.39	15.16	14.69
360.0	20.25	19.90	19.49	18.67	17.79	16.68	15.80	15.45	15.22

Intensity data(cd)

C/γ(°)	90.0
0.0	14.81
45.0	15.10
90.0	14.81
135.0	14.86
180.0	14.86
225.0	14.81
270.0	14.86
315.0	14.75
360.0	14.81