



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-B026

Ballast type: AC

Test No: 2024326-C026

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): 3525.50, Efficiency(%): 83.35% , Luminous Efficacy(lm/W): 142.13

Central intensity(cd): 6394.227, Maximum intensity(cd): 6394.227

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

Beam Angle(50%Imax): [C0/180]Total=44.2

[C90/270]Total=44.2

Field angle(10%Imax): [C0/180]Total=65.8

[C90/270]Total=65.8

Maximum s/h(1/2): C0\_180=0.71 C90\_270=0.71

Maximum s/h(1/4): C0\_180=0.70 C90\_270=0.70

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.35%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.827%

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	6394.227	0.000	0	0.00%	0.00%
1.0	6392.837	6.118	6.118	0.14%	0.17%
2.0	6381.645	18.335	24.454	0.43%	0.69%
3.0	6361.747	30.478	54.932	0.72%	1.56%
4.0	6328.462	42.478	97.41	1.00%	2.76%
5.0	6270.671	54.201	151.611	1.28%	4.30%
6.0	6205.126	65.564	217.174	1.55%	6.16%
7.0	6121.585	76.512	293.686	1.81%	8.33%
8.0	6017.927	86.880	380.566	2.05%	10.79%
9.0	5897.737	96.570	477.136	2.28%	13.53%
10.0	5746.895	105.380	582.516	2.49%	16.52%
11.0	5594.078	113.320	695.835	2.68%	19.74%
12.0	5405.782	120.244	816.08	2.84%	23.15%
13.0	5208.488	125.965	942.044	2.98%	26.72%
14.0	5008.560	130.777	1072.821	3.09%	30.43%
15.0	4802.854	134.695	1207.517	3.18%	34.25%
16.0	4600.293	137.782	1345.299	3.26%	38.16%
17.0	4358.887	139.519	1484.818	3.30%	42.12%
18.0	4147.694	140.255	1625.073	3.32%	46.09%
19.0	3922.895	140.412	1765.485	3.32%	50.08%
20.0	3713.823	139.773	1905.258	3.30%	54.04%
21.0	3465.176	137.851	2043.109	3.26%	57.95%
22.0	3221.283	134.367	2177.476	3.18%	61.76%
23.0	3004.677	130.637	2308.114	3.09%	65.47%
24.0	2769.343	126.241	2434.355	2.98%	69.05%
25.0	2547.250	120.888	2555.242	2.86%	72.48%
26.0	2305.626	114.553	2669.795	2.71%	75.73%
27.0	2036.788	106.238	2776.033	2.51%	78.74%
28.0	1782.303	96.691	2872.724	2.29%	81.48%
29.0	1463.187	84.911	2957.636	2.01%	83.89%
30.0	1234.620	72.840	3030.476	1.72%	85.96%
31.0	1039.272	63.279	3093.755	1.50%	87.75%
32.0	826.616	53.455	3147.211	1.26%	89.27%
33.0	626.396	42.806	3190.017	1.01%	90.48%
34.0	458.070	32.819	3222.836	0.78%	91.41%
35.0	344.749	24.933	3247.769	0.59%	92.12%
36.0	284.134	20.024	3267.792	0.47%	92.69%
37.0	222.239	16.515	3284.307	0.39%	93.16%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	190.959	13.792	3298.099	0.33%	93.55%
39.0	161.946	12.046	3310.145	0.28%	93.89%
40.0	148.479	10.827	3320.971	0.26%	94.20%
41.0	135.838	10.124	3331.096	0.24%	94.49%
42.0	125.428	9.492	3340.588	0.22%	94.75%
43.0	115.787	8.935	3349.523	0.21%	95.01%
44.0	108.091	8.450	3357.973	0.20%	95.25%
45.0	100.783	8.027	3366	0.19%	95.48%
46.0	93.673	7.605	3373.605	0.18%	95.69%
47.0	87.520	7.207	3380.812	0.17%	95.90%
48.0	81.997	6.853	3387.665	0.16%	96.09%
49.0	77.206	6.538	3394.202	0.15%	96.28%
50.0	72.027	6.222	3400.424	0.15%	96.45%
51.0	67.579	5.906	3406.331	0.14%	96.62%
52.0	63.548	5.627	3411.958	0.13%	96.78%
53.0	59.993	5.374	3417.332	0.13%	96.93%
54.0	56.591	5.139	3422.47	0.12%	97.08%
55.0	53.270	4.904	3427.374	0.12%	97.22%
56.0	50.366	4.683	3432.057	0.11%	97.35%
57.0	47.696	4.484	3436.541	0.11%	97.48%
58.0	45.209	4.296	3440.837	0.10%	97.60%
59.0	42.824	4.116	3444.953	0.10%	97.72%
60.0	40.768	3.949	3448.902	0.09%	97.83%
61.0	38.888	3.801	3452.703	0.09%	97.93%
62.0	36.759	3.645	3456.348	0.09%	98.04%
63.0	34.616	3.471	3459.82	0.08%	98.14%
64.0	32.612	3.299	3463.118	0.08%	98.23%
65.0	30.849	3.141	3466.259	0.07%	98.32%
66.0	29.093	2.991	3469.25	0.07%	98.40%
67.0	27.564	2.849	3472.099	0.07%	98.49%
68.0	26.833	2.756	3474.854	0.07%	98.56%
69.0	26.613	2.727	3477.581	0.06%	98.64%
70.0	26.540	2.730	3480.311	0.06%	98.72%
71.0	26.328	2.732	3483.043	0.06%	98.80%
72.0	25.991	2.720	3485.764	0.06%	98.87%
73.0	25.640	2.700	3488.463	0.06%	98.95%
74.0	25.187	2.672	3491.136	0.06%	99.03%
75.0	24.689	2.635	3493.771	0.06%	99.10%

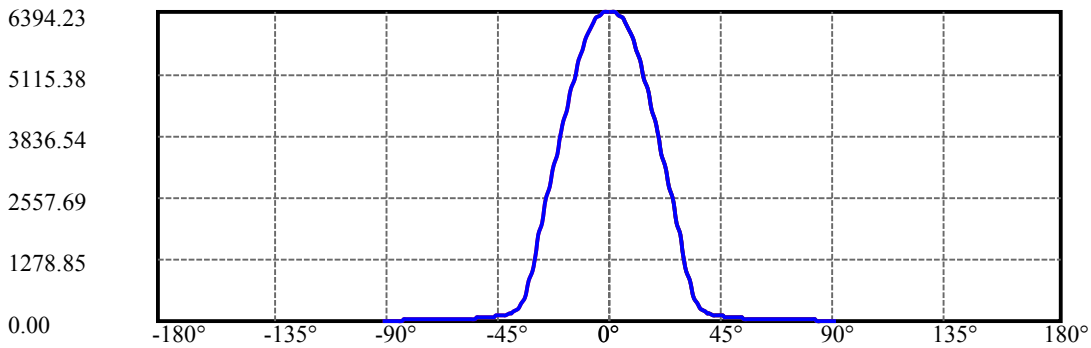
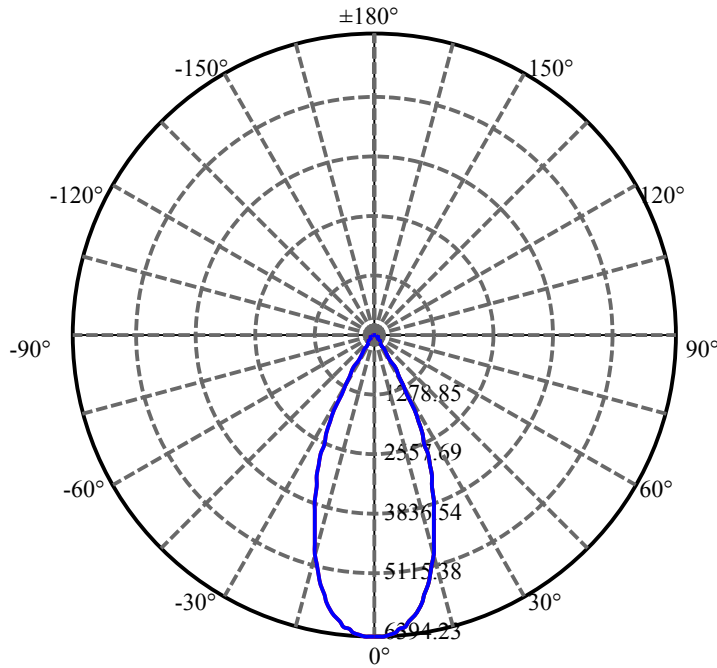
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.002	2.585	3496.356	0.06%	99.17%
77.0	23.321	2.523	3498.879	0.06%	99.24%
78.0	22.634	2.460	3501.339	0.06%	99.31%
79.0	21.792	2.387	3503.726	0.06%	99.38%
80.0	20.834	2.298	3506.024	0.05%	99.45%
81.0	20.205	2.219	3508.243	0.05%	99.51%
82.0	19.942	2.177	3510.42	0.05%	99.57%
83.0	19.627	2.151	3512.571	0.05%	99.63%
84.0	18.917	2.100	3514.671	0.05%	99.69%
85.0	17.871	2.008	3516.679	0.05%	99.75%
86.0	16.957	1.904	3518.582	0.05%	99.80%
87.0	16.313	1.821	3520.403	0.04%	99.86%
88.0	15.647	1.751	3522.154	0.04%	99.90%
89.0	15.194	1.690	3523.844	0.04%	99.95%
90.0	15.091	1.660	3525.505	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3030.48	71.64%	85.96%
0-40	3320.97	78.51%	94.20%
0-60	3448.90	81.53%	97.83%
0-90	3523.84	83.31%	99.95%
0-120	3523.84	83.31%	99.95%
0-180	3525.50	83.35%	100.00%
60-90	74.94	1.77%	2.13%
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%
0-27.46	2820.40	66.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	582.52
10-20	1322.74
20-30	1125.22
30-40	290.50
40-50	79.45
50-60	48.48
60-70	31.41
70-80	25.71
80-90	17.82
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



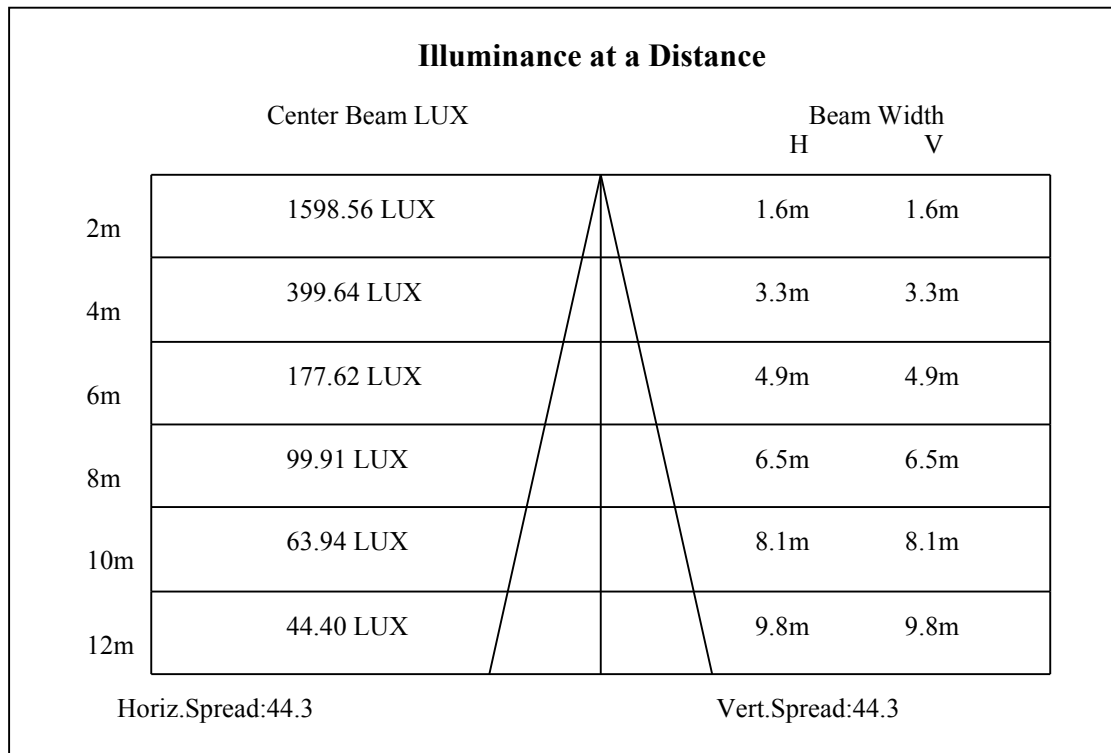
C0(Max): —————

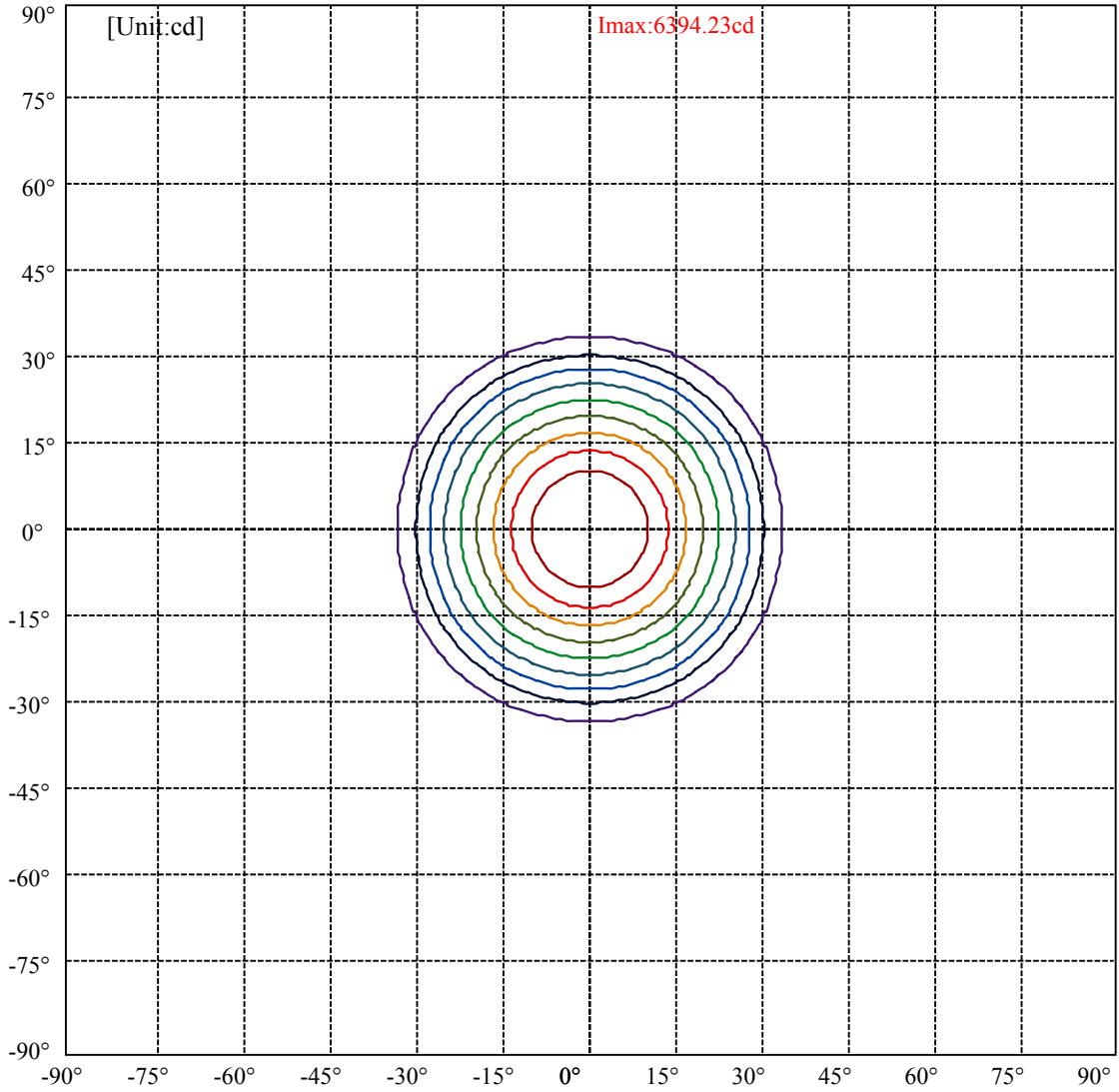
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:32.9 Right:32.9  
:C90/270Left:32.9 Right:32.9

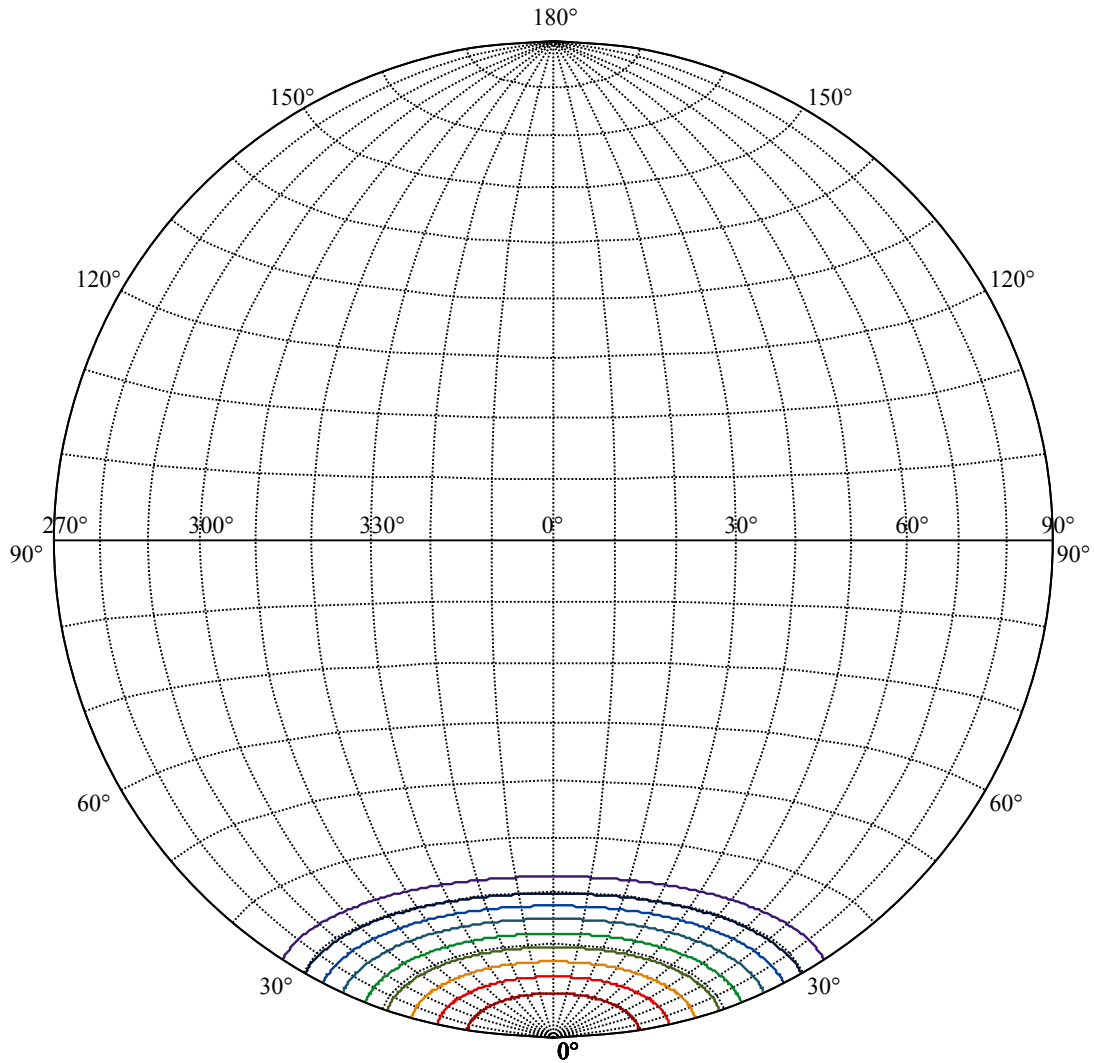
Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1  
:C90/270Left:22.1 Right:22.1





(10%Imax) 639.423	—
(20%Imax) 1278.85	—
(30%Imax) 1918.27	—
(40%Imax) 2557.69	—
(50%Imax) 3197.11	—
(60%Imax) 3836.54	—
(70%Imax) 4475.96	—
(80%Imax) 5115.38	—
(90%Imax) 5754.8	—





House

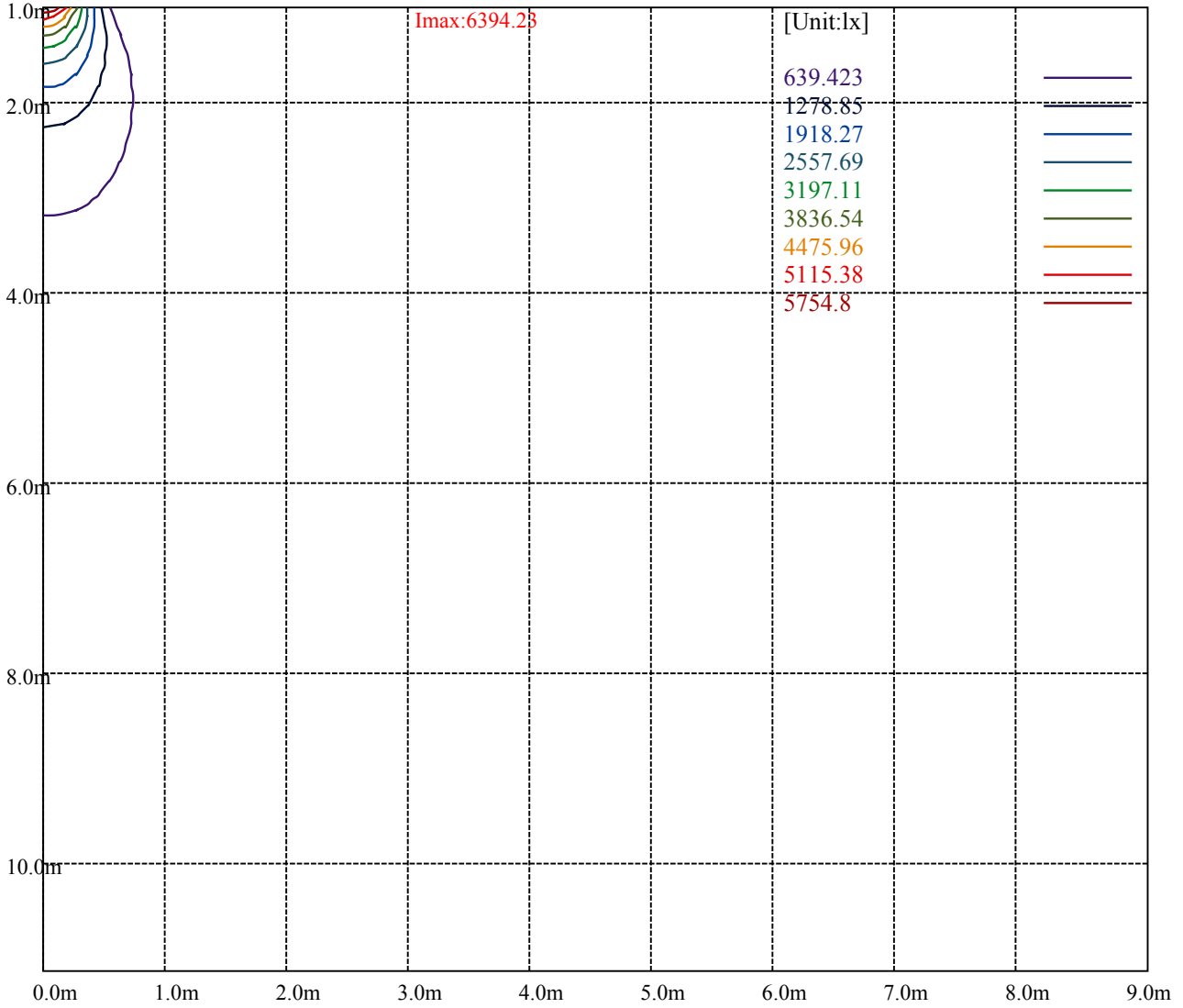
[Unit:cd]

Road

I<sub>max</sub>:6394.23

(10%I <sub>max</sub> )	639.423	—
(20%I <sub>max</sub> )	1278.85	—
(30%I <sub>max</sub> )	1918.27	—
(40%I <sub>max</sub> )	2557.69	—
(50%I <sub>max</sub> )	3197.11	—
(60%I <sub>max</sub> )	3836.54	—
(70%I <sub>max</sub> )	4475.96	—
(80%I <sub>max</sub> )	5115.38	—
(90%I <sub>max</sub> )	5754.8	—





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

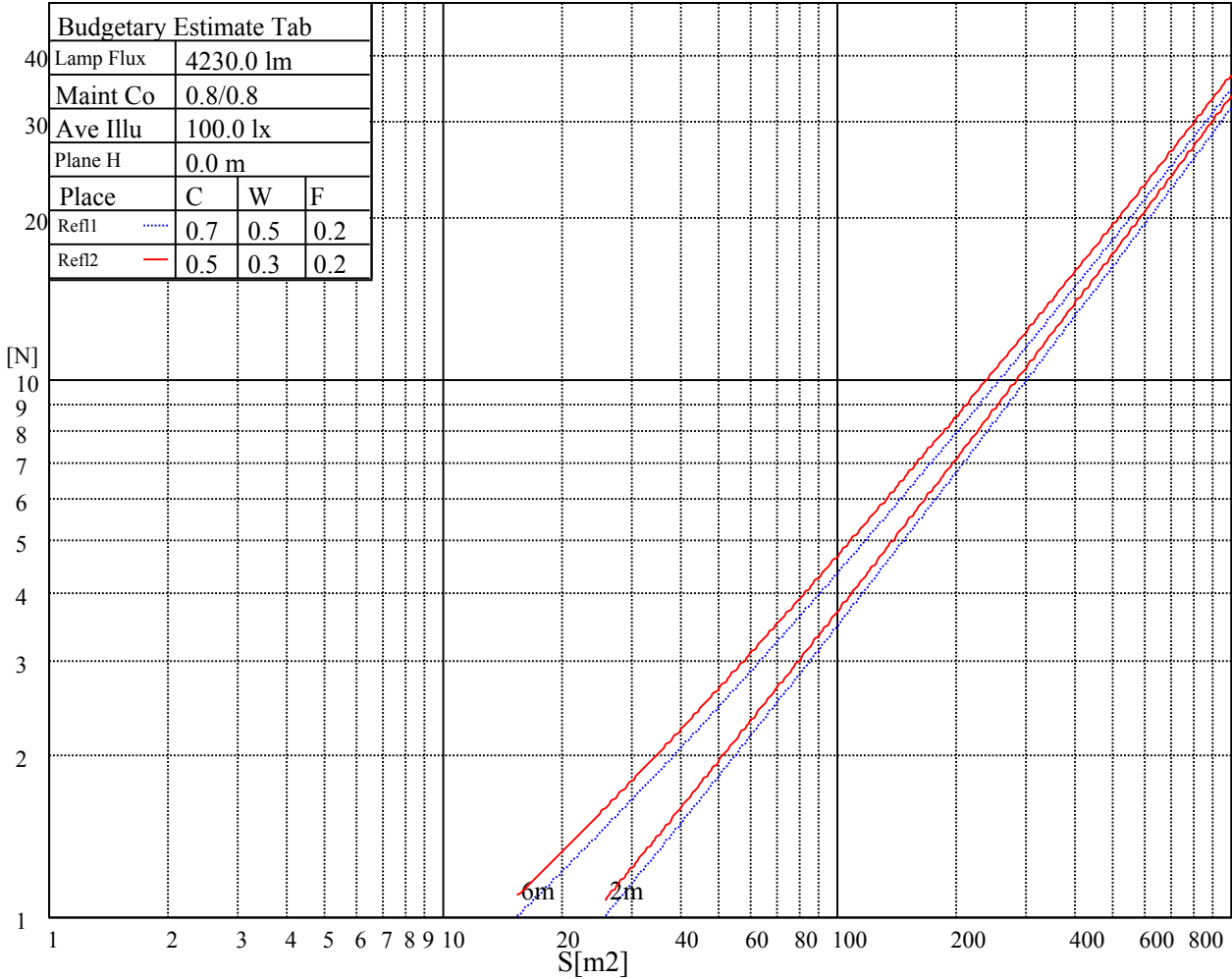
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

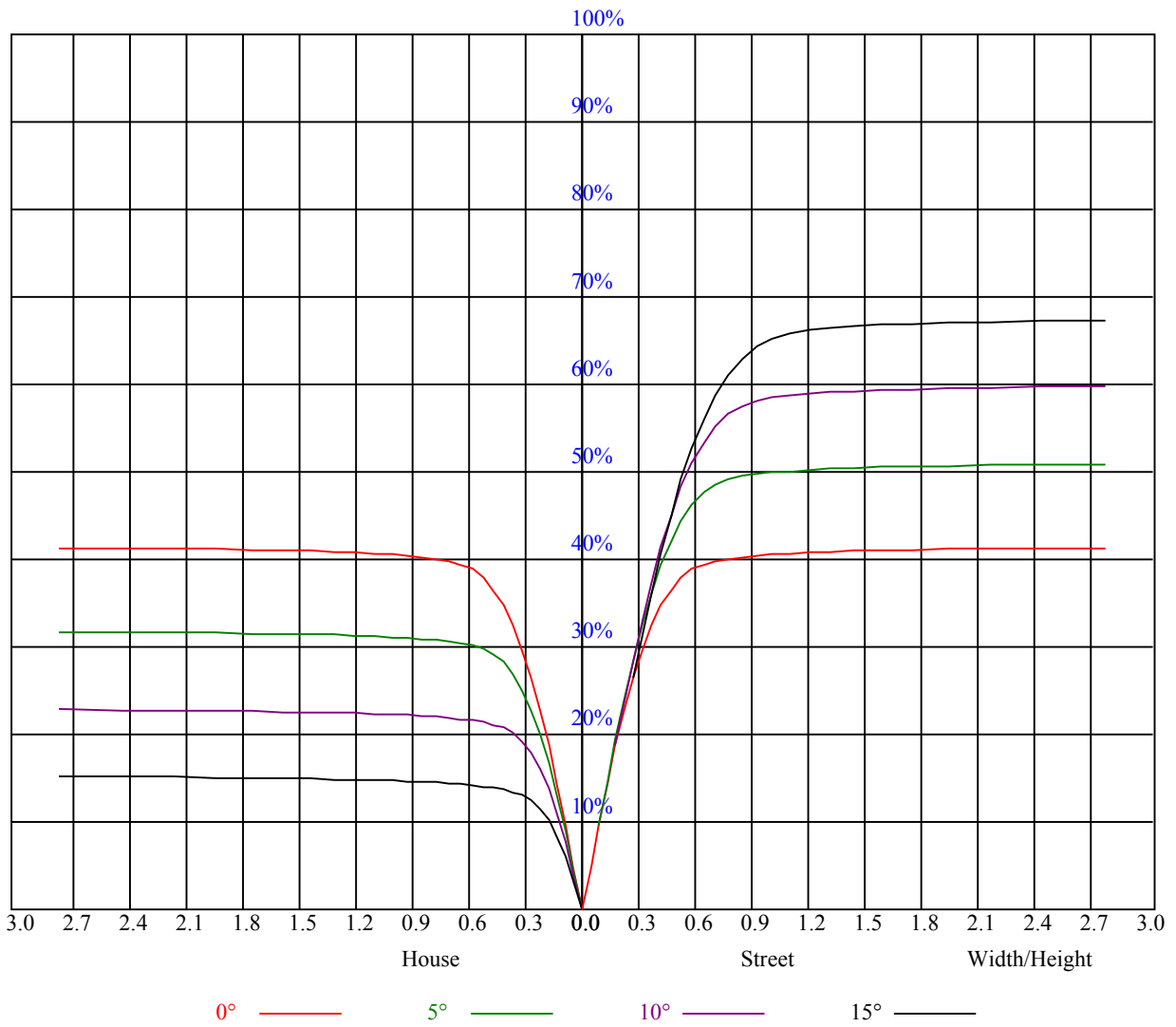


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

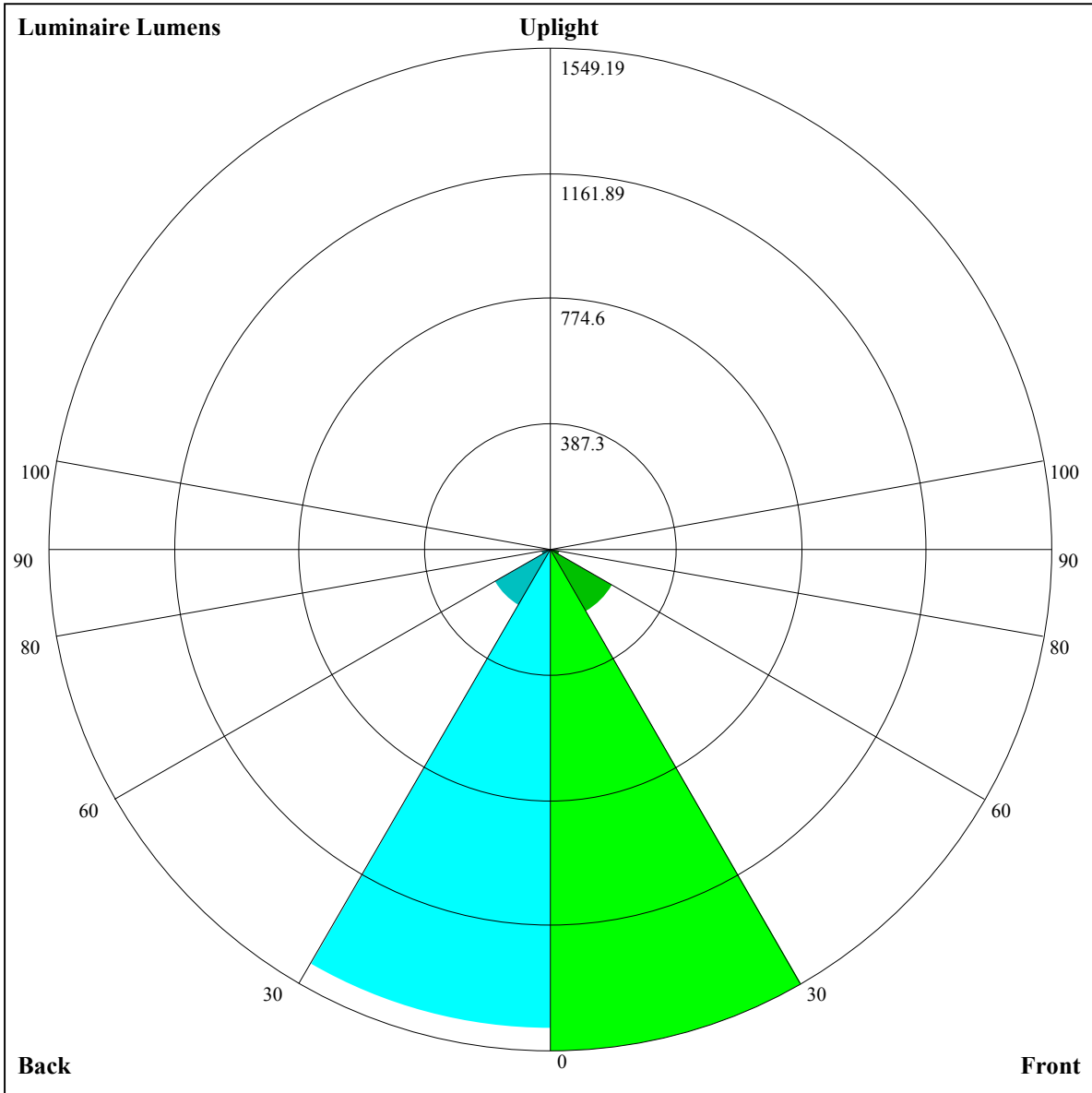
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.93	0.91	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	0.83	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	0.76	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	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	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	0.58	0.57
8	0.63	0.59	0.56	0.63	0.58	0.56	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	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49







Luminaire Lumens:

FL=1549.19,FM=222.96,FH=28.9,FVH=9.9

BL=1478.29,BM=197.47,BH=29.03,BVH=9.65

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	6401.83	6400.66	6395.98	6387.79	6367.89	6325.76	6282.45	6221.59	6141.41
45.0	6393.64	6398.91	6393.64	6387.79	6379.60	6359.70	6329.27	6284.79	6213.39
90.0	6393.06	6387.79	6380.77	6356.19	6324.59	6267.23	6197.01	6122.10	6031.39
135.0	6388.37	6391.30	6381.94	6366.72	6330.44	6280.69	6218.66	6140.24	6025.54
180.0	6401.83	6400.66	6384.28	6362.04	6316.98	6241.48	6162.48	6062.99	5954.14
225.0	6393.64	6380.18	6349.75	6308.78	6252.60	6155.46	6058.31	5916.10	5782.08
270.0	6393.06	6398.91	6386.03	6371.40	6342.14	6283.03	6209.88	6130.29	6003.30
315.0	6388.37	6384.28	6380.77	6353.26	6313.47	6252.02	6182.96	6094.59	5992.18
360.0	6401.83	6400.66	6395.98	6387.79	6367.89	6325.76	6282.45	6221.59	6141.41
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6014.42	5888.01	5737.60	5572.57	5346.09	5150.62	4954.57	4757.94	4502.78
45.0	6136.73	6020.85	5908.49	5769.21	5564.38	5391.74	5204.46	5001.98	4748.57
90.0	5931.31	5766.28	5612.95	5396.42	5217.34	5027.14	4784.86	4579.44	4379.30
135.0	5917.27	5794.37	5645.14	5447.33	5274.11	5041.77	4850.99	4654.35	4407.39
180.0	5794.96	5645.72	5483.03	5264.16	5080.98	4889.03	4646.75	4456.55	4203.14
225.0	5628.17	5411.63	5236.07	5047.62	4806.51	4616.31	4420.85	4223.04	3959.69
270.0	5887.42	5752.82	5592.47	5382.96	5195.10	5005.49	4812.95	4574.18	4373.44
315.0	5871.62	5695.47	5536.87	5365.99	5183.40	4946.38	4747.40	4554.86	4296.78
360.0	6014.42	5888.01	5737.60	5572.57	5346.09	5150.62	4954.57	4757.94	4502.78
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4299.12	4045.72	3829.77	3605.63	3320.63	3096.48	2879.37	2672.20	2396.55
45.0	4541.40	4335.41	4137.60	3874.83	3657.13	3429.48	3149.15	2932.62	2723.11
90.0	4132.92	3926.33	3716.24	3498.53	3218.21	2994.65	2777.54	2570.37	2304.67
135.0	4209.00	4007.68	3802.85	3538.91	3316.53	3102.92	2891.66	2636.50	2425.23
180.0	3993.05	3790.56	3589.83	3293.70	3094.73	2881.71	2671.03	2419.38	2191.14
225.0	3746.67	3534.82	3313.02	3043.81	2837.23	2636.50	2374.90	2149.59	1914.33
270.0	4163.93	3910.53	3703.36	3470.44	3204.17	2992.31	2719.01	2512.43	2288.29
315.0	4095.46	3832.11	3617.92	3395.53	3121.65	2903.36	2692.09	2484.92	2201.67
360.0	4299.12	4045.72	3829.77	3605.63	3320.63	3096.48	2879.37	2672.20	2396.55
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2163.05	1919.01	1677.31	1148.15	1148.15	932.44	736.04	519.97	382.39
45.0	2449.23	2217.48	1976.36	1677.31	1431.52	1200.35	931.74	736.86	561.29
90.0	2072.34	1828.30	1164.19	1164.19	1052.94	794.91	615.31	461.22	317.78
135.0	2203.43	1899.70	1660.34	1418.06	1128.37	913.59	671.90	507.45	371.68
180.0	1955.30	1718.28	1418.64	1178.12	908.33	710.52	539.05	365.24	313.74
225.0	1424.50	1136.68	1136.68	869.06	679.27	512.95	375.66	259.14	210.68
270.0	2060.05	1817.18	1506.43	1256.54	1023.03	808.84	578.26	427.27	313.15
315.0	1966.41	1721.79	1165.53	1165.53	942.56	739.31	563.22	387.42	287.29
360.0	2163.05	1919.01	1677.31	1148.15	1148.15	932.44	736.04	519.97	382.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	270.32	224.43	196.11	170.83	156.66	144.55	131.38	122.14	113.94
45.0	417.32	309.06	309.06	200.38	178.90	159.82	147.94	134.95	125.82
90.0	249.13	211.32	186.04	164.39	151.92	141.21	131.38	120.73	112.95
135.0	297.35	297.35	187.80	169.13	155.38	141.16	130.91	121.79	113.48
180.0	313.74	190.67	167.43	153.80	141.86	130.91	118.92	110.43	102.82
225.0	183.99	165.09	147.89	136.36	125.94	114.76	106.75	98.08	92.00
270.0	313.15	190.72	164.80	150.81	139.11	126.47	117.57	109.73	102.53
315.0	228.06	189.26	168.54	149.88	138.05	127.81	118.57	108.44	101.19
360.0	270.32	224.43	196.11	170.83	156.66	144.55	131.38	122.14	113.94

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	106.39	97.85	91.76	86.26	81.05	75.03	70.64	65.60	61.92
45.0	117.75	108.33	101.60	95.27	89.60	82.81	77.72	73.21	69.06
90.0	105.81	97.50	91.59	84.80	79.59	74.79	69.41	65.43	61.80
135.0	104.23	97.50	91.18	84.04	78.83	72.80	68.53	64.49	60.92
180.0	94.40	88.37	81.52	76.55	72.04	67.89	63.09	59.46	56.18
225.0	86.55	81.58	75.90	71.81	67.94	64.37	60.16	57.00	54.02
270.0	96.27	89.19	84.10	79.47	75.14	70.11	66.36	61.98	58.76
315.0	94.86	89.07	82.52	77.78	73.45	68.41	64.73	61.21	57.29
360.0	106.39	97.85	91.76	86.26	81.05	75.03	70.64	65.60	61.92
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	58.46	54.48	51.56	48.87	46.41	43.72	41.61	39.74	37.92
45.0	64.32	60.86	57.64	53.84	51.09	47.99	45.65	43.54	41.43
90.0	58.52	55.36	51.85	49.22	46.76	43.89	41.84	39.91	37.51
135.0	57.06	54.02	51.15	48.46	45.53	43.25	41.14	39.15	36.81
180.0	53.02	49.45	46.88	44.54	41.84	39.97	38.22	36.64	34.35
225.0	51.32	48.16	45.94	43.42	41.55	39.80	37.51	35.58	33.71
270.0	55.71	52.26	49.57	47.17	44.48	42.49	40.56	38.74	36.40
315.0	54.31	51.56	48.34	46.06	44.01	41.49	39.62	37.81	35.93
360.0	58.46	54.48	51.56	48.87	46.41	43.72	41.61	39.74	37.92
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.52	33.53	31.66	29.32	27.39	25.87	24.70	24.11	23.53
45.0	38.98	36.93	34.88	32.95	30.84	28.85	27.10	26.04	25.16
90.0	35.46	33.07	31.31	29.44	27.80	27.45	28.15	28.38	27.92
135.0	34.88	32.66	30.96	29.20	27.04	25.81	25.05	24.46	23.82
180.0	32.54	30.49	28.73	27.04	25.81	25.22	24.81	24.46	24.76
225.0	31.60	29.90	28.27	27.15	26.28	25.98	26.74	28.03	29.03
270.0	34.47	32.66	31.08	29.50	29.20	30.26	31.95	33.01	33.01
315.0	33.47	31.66	29.90	28.15	26.16	25.22	24.40	23.82	23.41
360.0	35.52	33.53	31.66	29.32	27.39	25.87	24.70	24.11	23.53
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.94	22.53	22.12	21.71	21.24	20.89	20.60	20.42	20.19
45.0	24.58	23.94	23.53	23.12	22.59	22.18	21.83	21.36	21.13
90.0	26.86	25.98	24.93	24.05	22.82	21.83	21.01	20.78	20.60
135.0	23.35	22.94	22.47	21.95	21.54	21.19	20.78	20.54	20.31
180.0	25.22	25.52	25.57	25.46	25.11	24.76	24.05	23.29	21.65
225.0	29.50	29.79	29.96	29.73	28.62	26.80	25.05	22.24	20.01
270.0	32.66	32.01	30.96	29.90	28.97	28.09	27.15	25.34	22.59
315.0	22.82	22.41	21.95	21.59	21.13	20.83	20.60	20.37	20.19
360.0	22.94	22.53	22.12	21.71	21.24	20.89	20.60	20.42	20.19
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.07	19.90	19.66	19.31	18.49	17.32	16.68	16.44	15.39
45.0	20.89	20.89	20.78	20.48	20.19	18.79	17.21	16.56	16.33
90.0	20.66	20.42	20.25	19.90	18.08	16.74	16.56	16.09	15.16
135.0	20.37	20.37	20.07	19.43	17.85	16.80	16.80	15.80	14.86
180.0	19.90	19.49	18.84	17.91	16.85	16.62	15.57	14.75	14.92
225.0	19.55	19.20	18.38	17.09	16.62	15.80	14.92	14.86	15.16
270.0	20.19	19.61	19.49	18.61	17.44	16.85	16.50	15.27	14.92
315.0	20.01	19.66	19.55	18.61	17.44	16.74	16.27	15.39	14.81
360.0	20.07	19.90	19.66	19.31	18.49	17.32	16.68	16.44	15.39

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	14.92
45.0	15.33
90.0	14.86
135.0	14.92
180.0	15.27
225.0	15.27
270.0	15.22
315.0	14.92
360.0	14.92