



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

LumCAT: 2-2641-L  
Luminaire: 92.70.412.00  
LampCAT: Fortimo\_SLM\_C\_1210  
Ballast type: AC  
Report No: 20231116-B016  
Test No: 20231116-C016  
Number of Lamps: 1  
Lamp flux(lm): 4030.4  
Length(mm): 0  
Phm Type: C  
Voltage(V): 34.6200  
Current(A): 0.7200  
Power (W): 24.9360  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

### Photometric Results

Lumens(lm): 3692.22, Efficiency(%): 91.61% , Luminous Efficacy(lm/W): 148.07  
Central intensity(cd): 8040.802, Maximum intensity(cd): 8040.802  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=37.2  
[C90/270]Total=37.2  
Field angle(10%Imax): [C0/180]Total=65.6  
[C90/270]Total=65.6  
Maximum s/h(1/2): C0\_180=0.60 C90\_270=0.60  
Maximum s/h(1/4): C0\_180=0.61 C90\_270=0.61  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 91.61%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.841%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/16  
Humidity(%): 0.0%

Operator: NT07  
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8040.802	0.000	0	0.00%	0.00%
1.0	8022.051	7.686	7.686	0.19%	0.21%
2.0	7975.554	22.961	30.647	0.57%	0.83%
3.0	7886.643	37.937	68.584	0.94%	1.86%
4.0	7782.855	52.451	121.035	1.30%	3.28%
5.0	7641.703	66.356	187.391	1.65%	5.08%
6.0	7488.858	79.515	266.906	1.97%	7.23%
7.0	7287.371	91.716	358.622	2.28%	9.71%
8.0	7072.460	102.771	461.392	2.55%	12.50%
9.0	6850.492	112.838	574.23	2.80%	15.55%
10.0	6564.107	121.397	695.627	3.01%	18.84%
11.0	6303.184	128.571	824.198	3.19%	22.32%
12.0	6014.030	134.645	958.843	3.34%	25.97%
13.0	5728.682	139.356	1098.199	3.46%	29.74%
14.0	5430.050	142.831	1241.03	3.54%	33.61%
15.0	5137.852	145.081	1386.111	3.60%	37.54%
16.0	4841.503	146.225	1532.336	3.63%	41.50%
17.0	4514.640	145.700	1678.036	3.62%	45.45%
18.0	4205.974	143.784	1821.82	3.57%	49.34%
19.0	3878.350	140.651	1962.471	3.49%	53.15%
20.0	3568.854	136.305	2098.776	3.38%	56.84%
21.0	3252.439	130.983	2229.758	3.25%	60.39%
22.0	2991.655	125.478	2355.236	3.11%	63.79%
23.0	2731.977	120.097	2475.333	2.98%	67.04%
24.0	2468.217	113.695	2589.028	2.82%	70.12%
25.0	2267.768	107.686	2696.714	2.67%	73.04%
26.0	2046.423	101.837	2798.551	2.53%	75.80%
27.0	1837.394	95.018	2893.569	2.36%	78.37%
28.0	1550.447	85.773	2979.342	2.13%	80.69%
29.0	1388.054	76.879	3056.222	1.91%	82.77%
30.0	1196.897	69.793	3126.015	1.73%	84.66%
31.0	1067.418	63.013	3189.028	1.56%	86.37%
32.0	907.847	56.589	3245.617	1.40%	87.90%
33.0	769.886	49.427	3295.043	1.23%	89.24%
34.0	638.497	42.622	3337.665	1.06%	90.40%
35.0	525.880	36.161	3373.826	0.90%	91.38%
36.0	416.294	29.999	3403.825	0.74%	92.19%
37.0	326.476	24.225	3428.05	0.60%	92.85%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	264.673	19.732	3447.782	0.49%	93.38%
39.0	231.662	16.941	3464.723	0.42%	93.84%
40.0	189.801	14.699	3479.422	0.36%	94.24%
41.0	147.247	12.002	3491.425	0.30%	94.56%
42.0	134.751	10.246	3501.67	0.25%	94.84%
43.0	122.366	9.524	3511.194	0.24%	95.10%
44.0	112.748	8.874	3520.068	0.22%	95.34%
45.0	104.473	8.348	3528.416	0.21%	95.56%
46.0	96.751	7.869	3536.286	0.20%	95.78%
47.0	89.943	7.425	3543.711	0.18%	95.98%
48.0	83.307	7.004	3550.715	0.17%	96.17%
49.0	77.793	6.616	3557.33	0.16%	96.35%
50.0	72.693	6.274	3563.605	0.16%	96.52%
51.0	68.030	5.954	3569.558	0.15%	96.68%
52.0	63.747	5.655	3575.213	0.14%	96.83%
53.0	59.858	5.377	3580.59	0.13%	96.98%
54.0	56.551	5.131	3585.721	0.13%	97.12%
55.0	53.527	4.914	3590.634	0.12%	97.25%
56.0	50.835	4.716	3595.35	0.12%	97.38%
57.0	48.165	4.527	3599.877	0.11%	97.50%
58.0	46.027	4.356	3604.232	0.11%	97.62%
59.0	44.131	4.215	3608.447	0.10%	97.73%
60.0	42.103	4.074	3612.521	0.10%	97.84%
61.0	40.353	3.935	3616.456	0.10%	97.95%
62.0	38.796	3.814	3620.27	0.09%	98.05%
63.0	37.329	3.702	3623.972	0.09%	98.15%
64.0	35.931	3.595	3627.567	0.09%	98.25%
65.0	34.658	3.493	3631.061	0.09%	98.34%
66.0	33.489	3.400	3634.461	0.08%	98.44%
67.0	32.257	3.306	3637.767	0.08%	98.53%
68.0	31.164	3.213	3640.98	0.08%	98.61%
69.0	30.099	3.125	3644.105	0.08%	98.70%
70.0	29.068	3.039	3647.144	0.08%	98.78%
71.0	28.092	2.954	3650.098	0.07%	98.86%
72.0	27.172	2.874	3652.971	0.07%	98.94%
73.0	26.251	2.794	3655.765	0.07%	99.01%
74.0	25.290	2.710	3658.475	0.07%	99.09%
75.0	24.473	2.629	3661.104	0.07%	99.16%

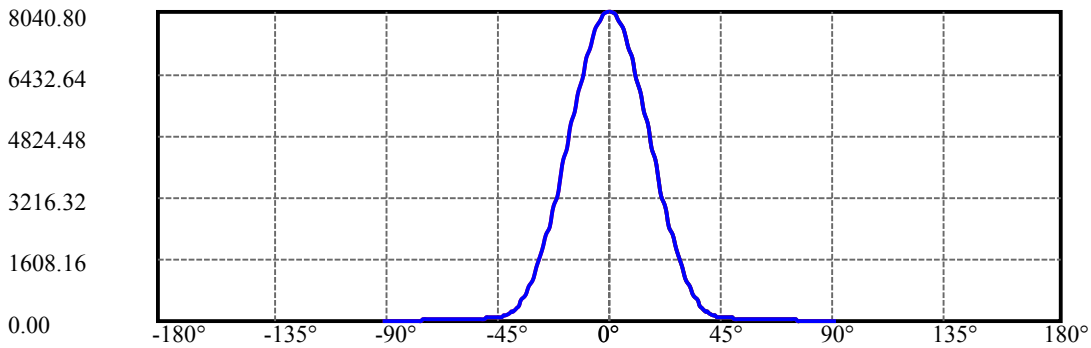
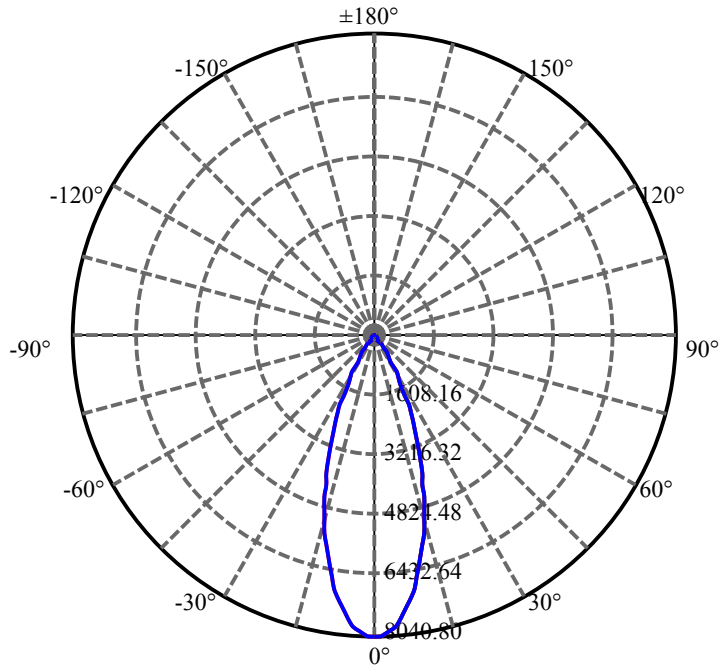
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.601	2.552	3663.656	0.06%	99.23%
77.0	22.778	2.473	3666.129	0.06%	99.29%
78.0	21.941	2.394	3668.522	0.06%	99.36%
79.0	21.228	2.319	3670.842	0.06%	99.42%
80.0	20.502	2.250	3673.092	0.06%	99.48%
81.0	19.720	2.175	3675.267	0.05%	99.54%
82.0	19.028	2.101	3677.368	0.05%	99.60%
83.0	18.398	2.035	3679.403	0.05%	99.65%
84.0	17.824	1.973	3681.376	0.05%	99.71%
85.0	17.319	1.918	3683.294	0.05%	99.76%
86.0	16.869	1.869	3685.163	0.05%	99.81%
87.0	16.440	1.823	3686.986	0.05%	99.86%
88.0	16.018	1.778	3688.764	0.04%	99.91%
89.0	15.748	1.741	3690.505	0.04%	99.95%
90.0	15.589	1.718	3692.223	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3126.01	77.56%	84.66%
0-40	3479.42	86.33%	94.24%
0-60	3612.52	89.63%	97.84%
0-90	3690.50	91.57%	99.95%
0-120	3690.50	91.57%	99.95%
0-180	3692.22	91.61%	100.00%
60-90	77.98	1.93%	2.11%
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%
0-27.70	2953.78	73.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	695.63
10-20	1403.15
20-30	1027.24
30-40	353.41
40-50	84.18
50-60	48.92
60-70	34.62
70-80	25.95
80-90	17.41
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: —————

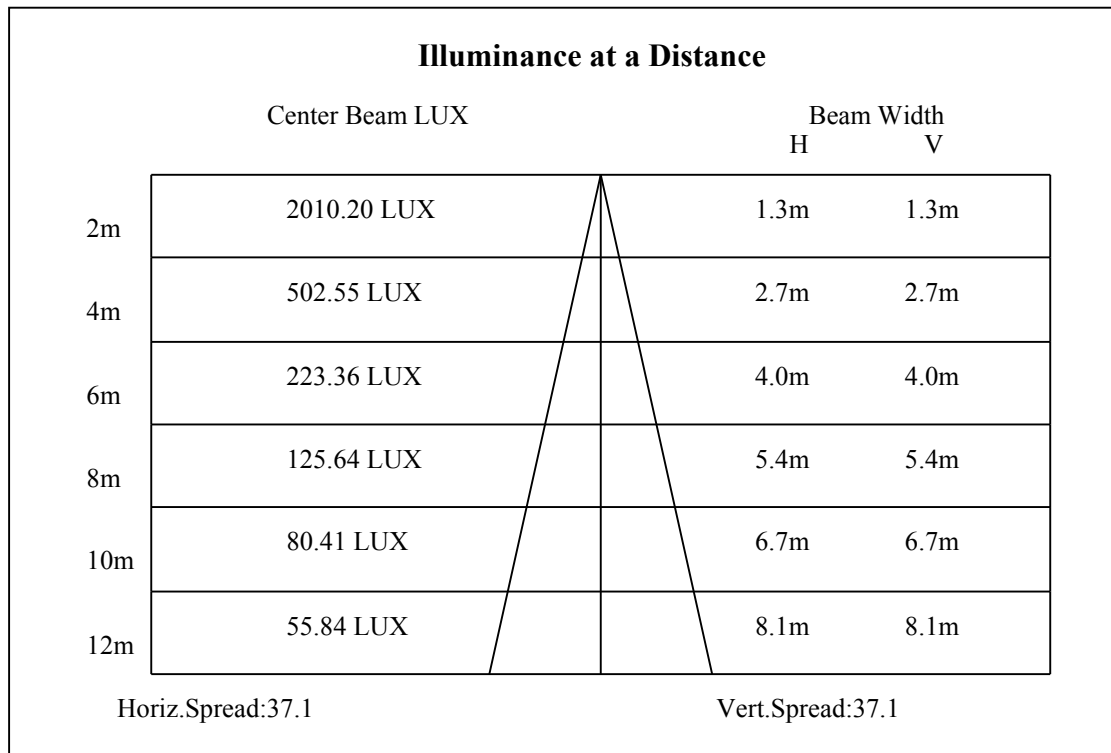
C90/C270: —————

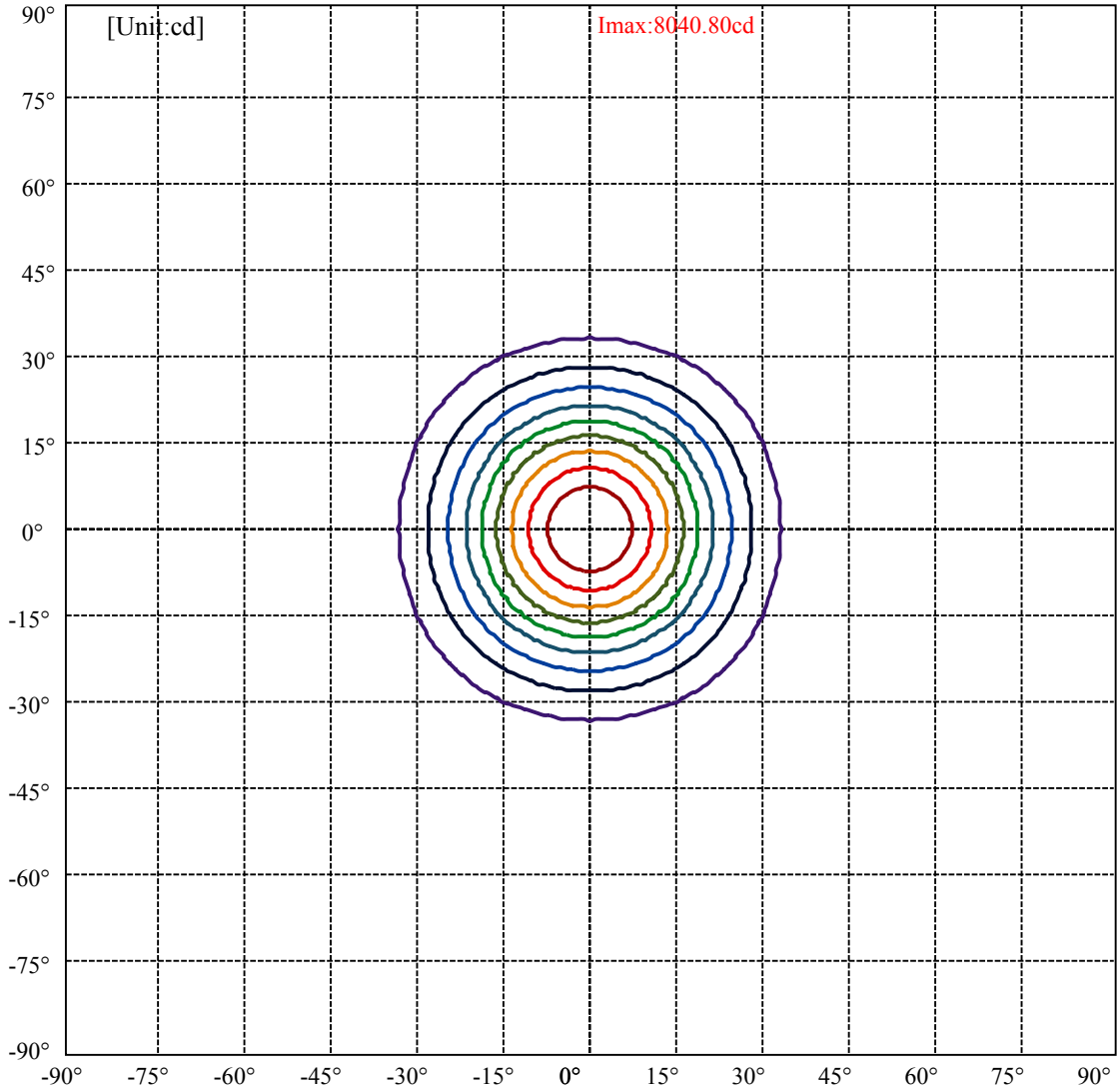
Field angle(10%Imax):C0/180Left:32.8 Right:32.8

:C90/270Left:32.8 Right:32.8

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6

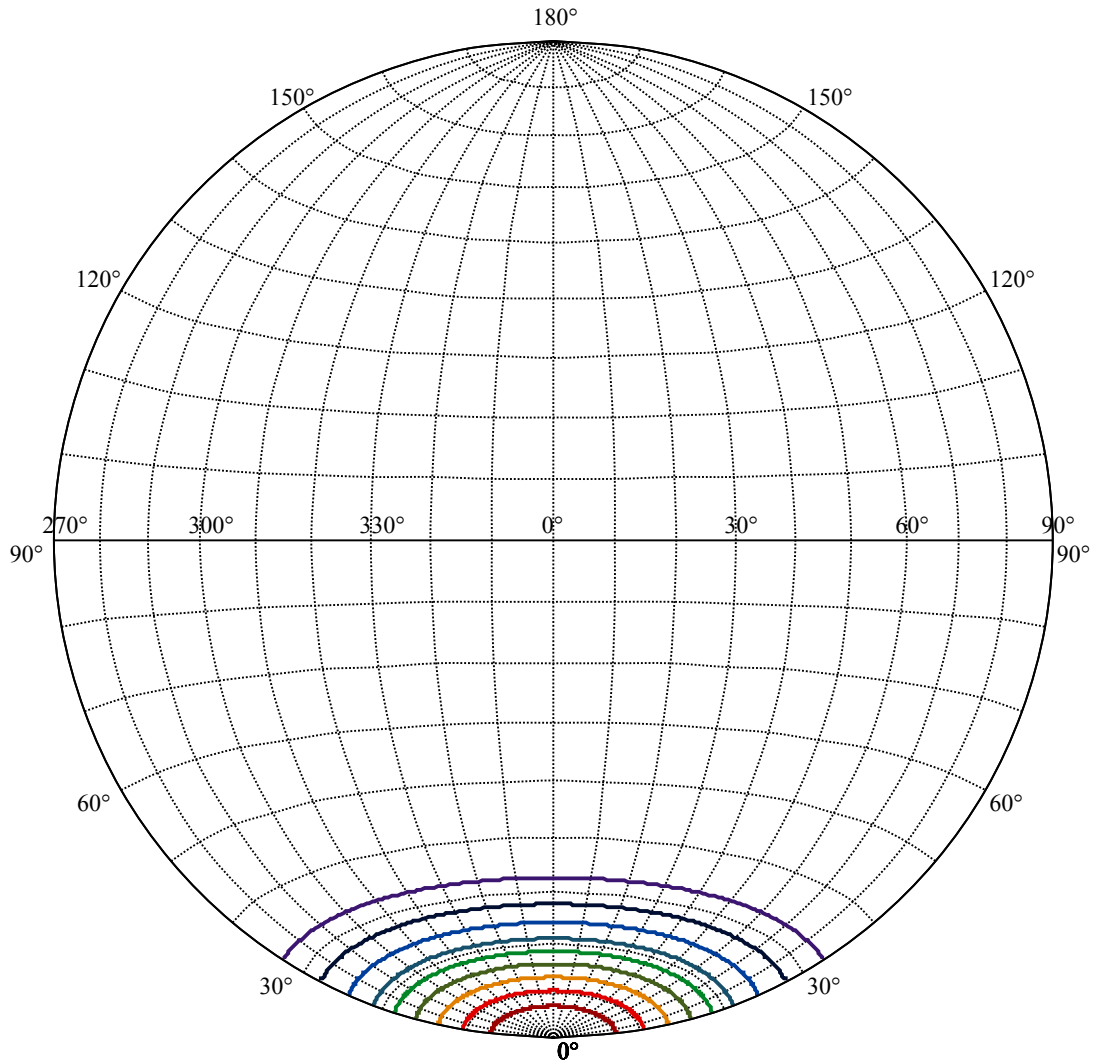
:C90/270Left:18.6 Right:18.6





(10%I <sub>max</sub> ) 804.08	—
(20%I <sub>max</sub> ) 1608.16	—
(30%I <sub>max</sub> ) 2412.24	—
(40%I <sub>max</sub> ) 3216.32	—
(50%I <sub>max</sub> ) 4020.4	—
(60%I <sub>max</sub> ) 4824.48	—
(70%I <sub>max</sub> ) 5628.56	—
(80%I <sub>max</sub> ) 6432.64	—
(90%I <sub>max</sub> ) 7236.72	—





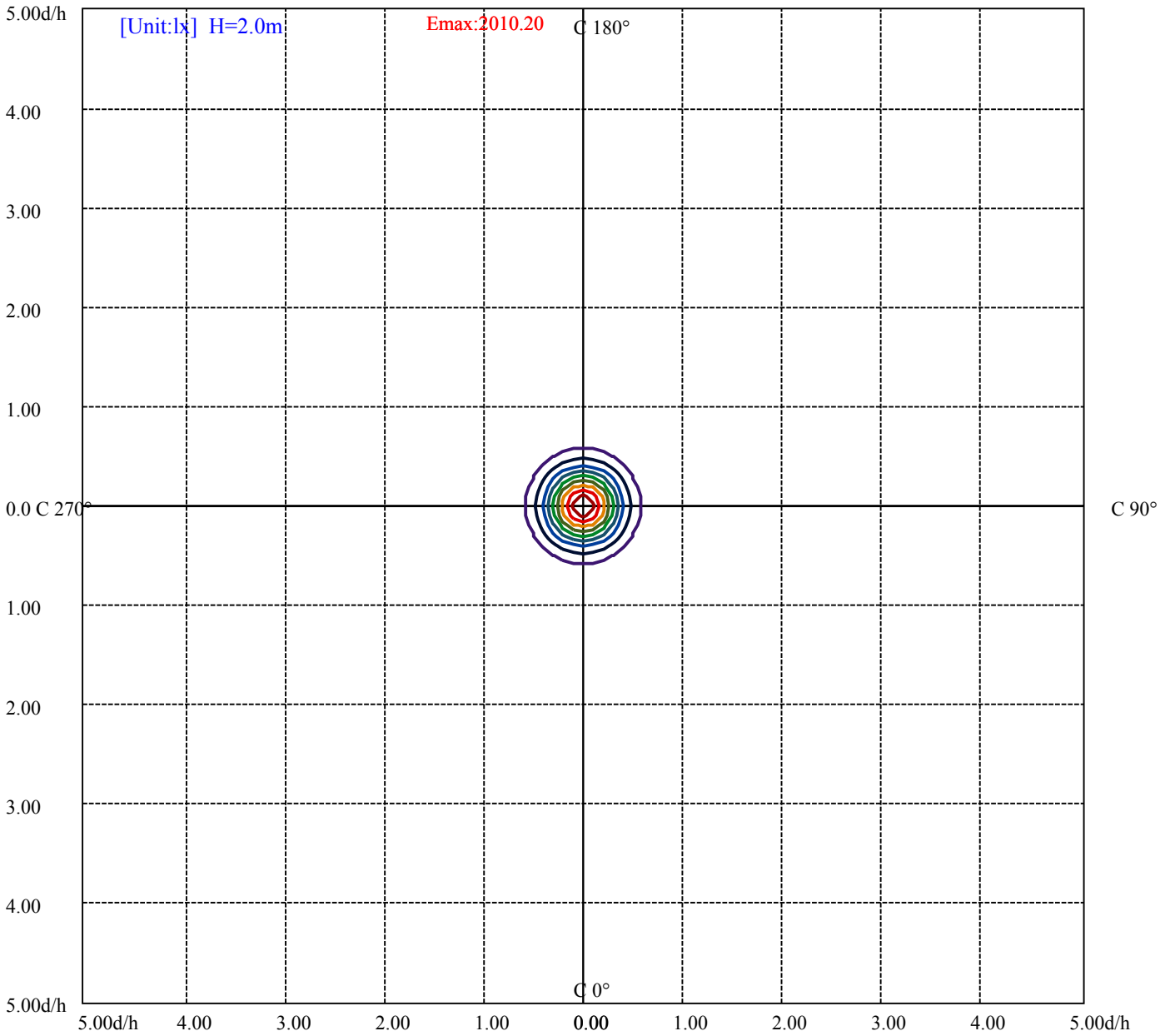
House

[Unit:cd]

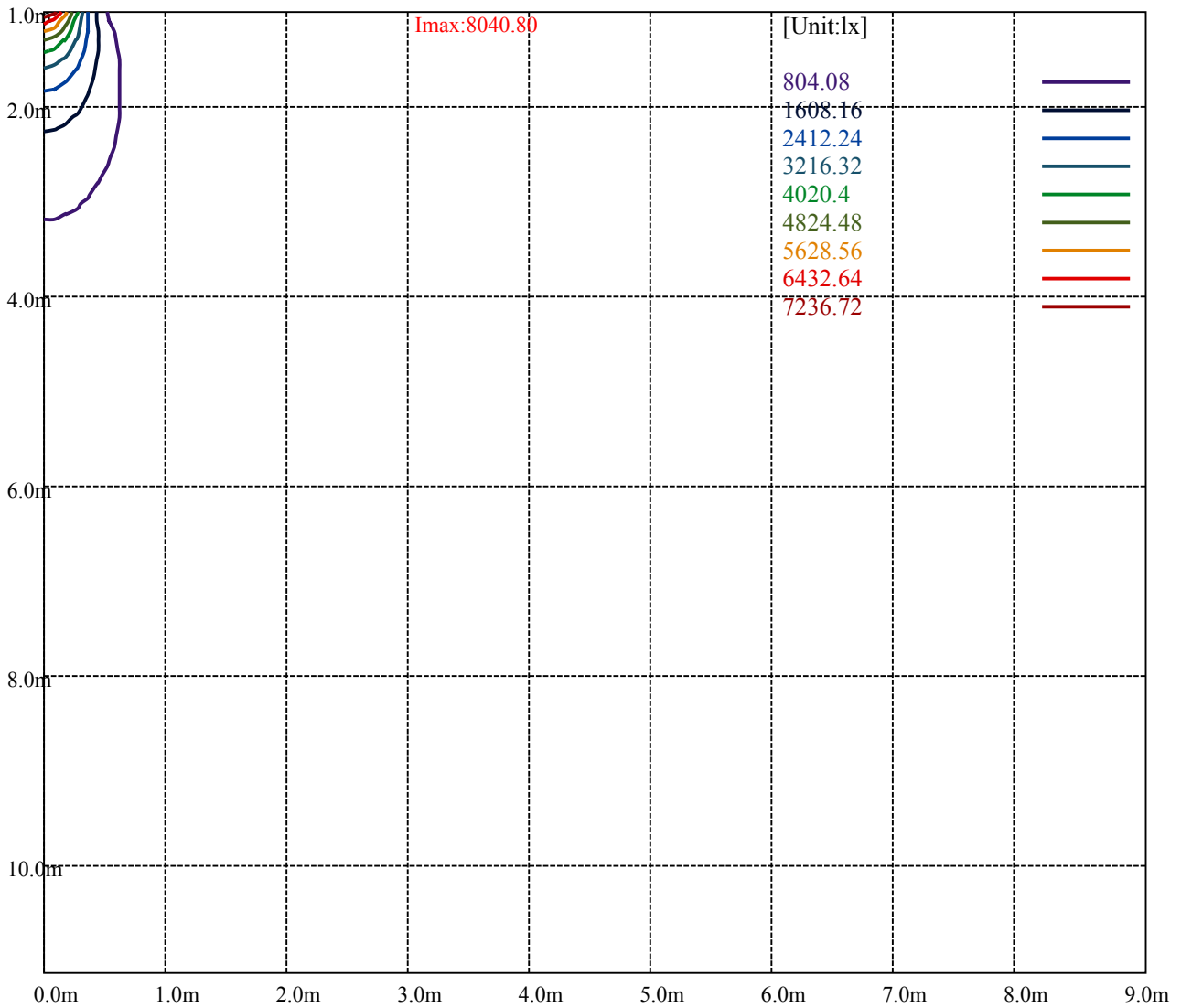
Road

**Imax:8040.80**

(10%Imax) 804.08	—
(20%Imax) 1608.16	—
(30%Imax) 2412.24	—
(40%Imax) 3216.32	—
(50%Imax) 4020.4	—
(60%Imax) 4824.48	—
(70%Imax) 5628.56	—
(80%Imax) 6432.64	—
(90%Imax) 7236.72	—



- (10%Emax) 201.02
- (20%Emax) 402.04
- (30%Emax) 603.06
- (40%Emax) 804.08
- (50%Emax) 1005.1
- (60%Emax) 1206.12
- (70%Emax) 1407.14
- (80%Emax) 1608.16
- (90%Emax) 1809.18



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

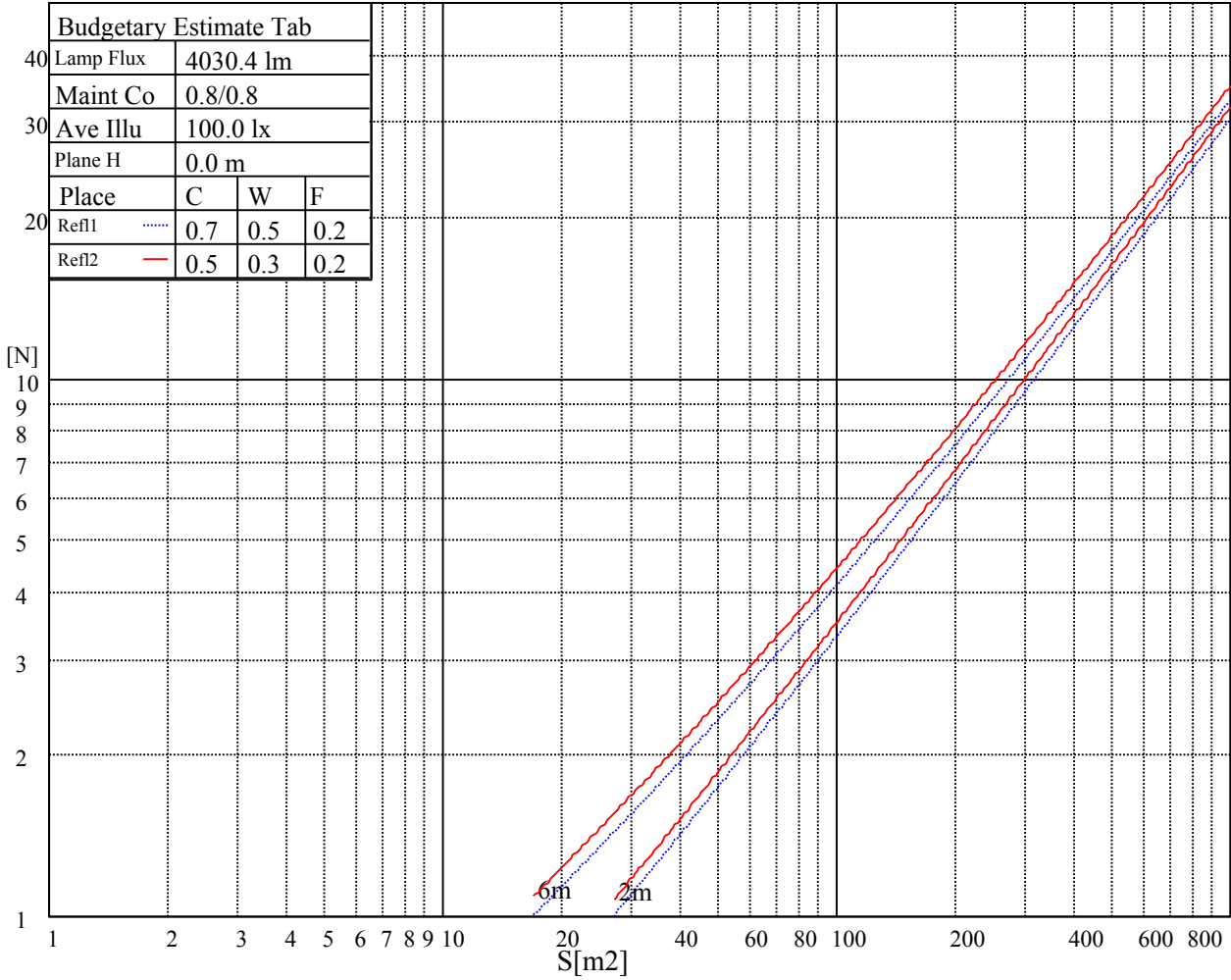
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

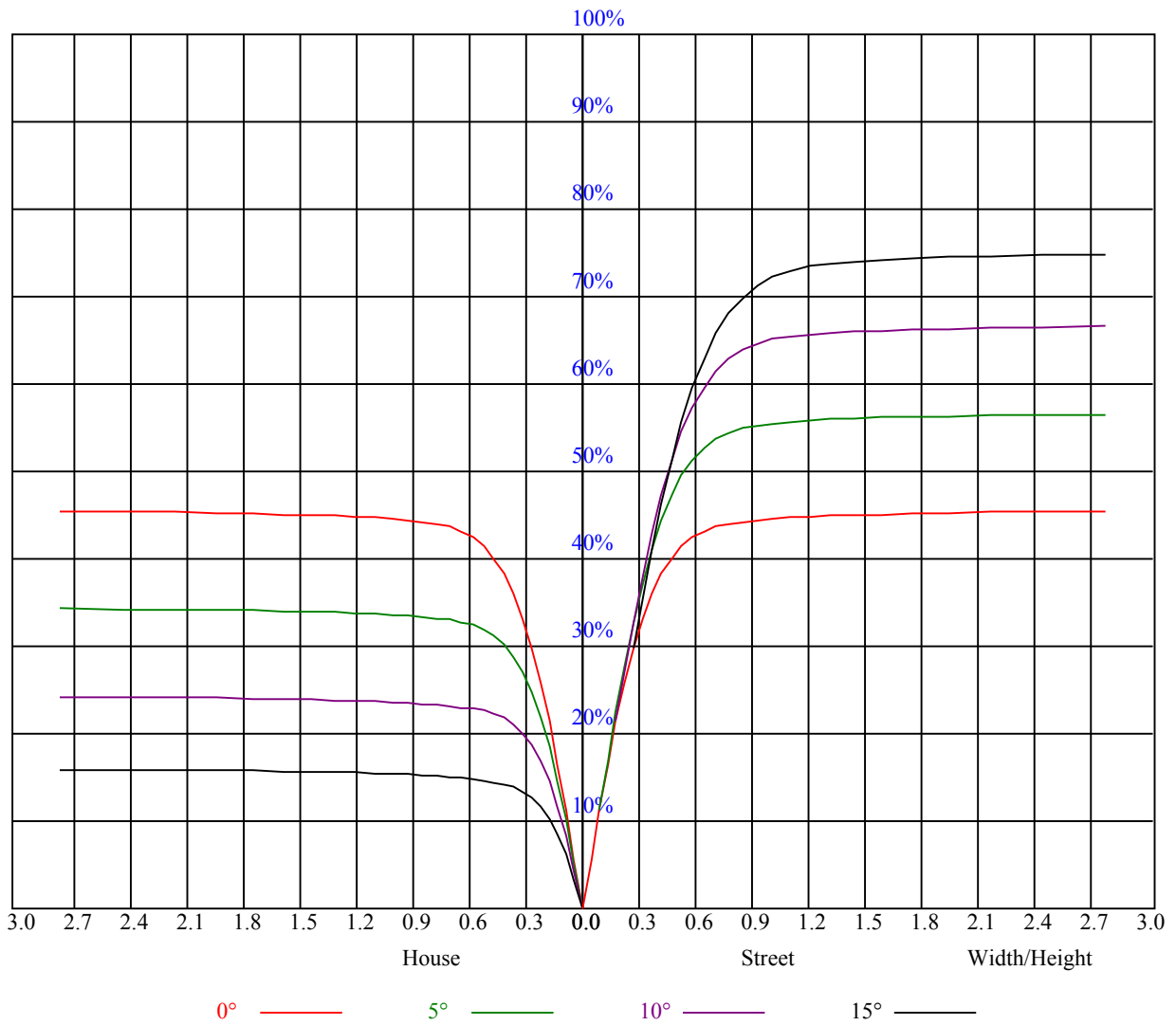


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.85	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
9	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.57
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55





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	8033.47	7975.90	7886.78	7783.82	7663.71	7472.74	7298.93	7047.07	6826.76
45.0	8049.52	8027.93	7995.83	7885.67	7791.57	7629.94	7479.38	7302.80	7054.82
90.0	8017.97	7960.40	7885.12	7741.75	7600.60	7453.36	7226.97	7011.64	6786.35
135.0	8062.25	8027.93	7985.31	7877.92	7760.57	7616.10	7464.99	7234.72	7036.00
180.0	8033.47	8051.18	8037.90	7998.04	7905.05	7800.98	7676.44	7481.04	7306.12
225.0	8049.52	8035.13	7983.10	7893.98	7792.13	7670.90	7524.77	7306.68	7099.65
270.0	8017.97	8052.84	8033.47	7985.31	7917.23	7810.39	7704.67	7551.34	7354.83
315.0	8062.25	8045.09	7996.93	7926.64	7831.98	7679.20	7534.73	7363.69	7115.15
360.0	8033.47	7975.90	7886.78	7783.82	7663.71	7472.74	7298.93	7047.07	6826.76
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6594.27	6282.08	6018.04	5753.45	5410.81	5137.92	4852.30	4556.15	4179.75
45.0	6832.85	6592.06	6336.88	6004.76	5735.19	5453.99	5119.10	4824.62	4534.01
90.0	6538.92	6215.10	5951.62	5679.28	5402.51	5058.77	4762.07	4470.91	4100.04
135.0	6817.35	6510.14	6249.42	5928.37	5661.01	5384.24	5110.80	4746.02	4407.11
180.0	7106.30	6820.12	6586.52	6324.70	5993.69	5726.33	5458.97	5182.20	4838.46
225.0	6878.79	6570.47	6308.65	5967.67	5706.96	5429.63	5090.87	4810.78	4518.51
270.0	7145.60	6926.95	6630.81	6365.66	6088.34	5760.65	5497.72	5213.20	4862.26
315.0	6889.86	6595.93	6343.52	6088.34	5830.95	5488.86	5210.99	4928.13	4636.97
360.0	6594.27	6282.08	6018.04	5753.45	5410.81	5137.92	4852.30	4556.15	4179.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3881.39	3582.48	3296.31	2960.86	2721.18	2490.91	2234.07	2040.33	1788.47
45.0	4237.32	3864.23	3570.31	3217.70	2956.44	2713.43	2436.11	2237.39	2037.57
90.0	3804.45	3438.01	3154.05	2897.76	2660.85	2385.74	2185.91	1997.16	1795.67
135.0	4143.77	3851.50	3485.06	3204.42	2943.70	2705.13	2435.00	2234.62	1986.09
180.0	4539.00	4221.82	3935.09	3580.27	3301.29	3015.66	2715.65	2501.98	2246.80
225.0	4221.82	3850.95	3558.13	3275.27	3009.02	2715.09	2499.77	2302.71	2068.01
270.0	4565.56	4266.66	3899.66	3591.34	3317.89	3054.41	2739.45	2525.78	2333.71
315.0	4254.48	3951.14	3652.23	3291.88	3022.86	2775.43	2499.77	2302.16	2115.06
360.0	3881.39	3582.48	3296.31	2960.86	2721.18	2490.91	2234.07	2040.33	1788.47
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1588.09	1103.97	1103.97	1026.09	883.00	747.61	624.22	486.39	390.13
45.0	1836.63	1589.76	1403.21	1231.06	1069.43	887.32	753.92	632.14	521.43
90.0	1546.58	1076.35	1076.35	1038.77	865.07	736.76	618.96	485.95	390.35
135.0	1780.73	1579.79	1391.04	1184.01	1032.34	860.19	732.88	618.85	512.57
180.0	2058.60	1861.54	1662.27	1424.80	1249.33	1086.04	934.92	763.88	640.44
225.0	1871.51	1621.86	1289.74	1082.27	1082.27	897.45	763.71	641.82	530.95
270.0	2150.49	1903.61	1703.78	1500.64	1270.37	1107.63	923.30	791.56	671.99
315.0	1866.52	1666.70	1474.07	1087.53	1087.53	939.79	807.17	687.38	549.16
360.0	1588.09	1103.97	1103.97	1026.09	883.00	747.61	624.22	486.39	390.13
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	306.94	239.02	181.95	159.36	145.36	130.41	120.50	111.76	102.18
45.0	397.99	316.07	280.09	280.09	162.57	144.47	133.13	122.72	111.65
90.0	290.88	228.33	184.60	157.87	143.70	131.96	121.83	110.76	103.07
135.0	391.35	306.66	287.84	287.84	159.64	141.93	130.14	117.68	109.38
180.0	525.86	402.42	318.28	281.75	281.75	158.81	144.42	128.81	118.40
225.0	407.96	324.76	253.91	191.74	164.79	149.90	136.45	123.05	113.75
270.0	561.29	437.29	348.17	288.95	288.95	169.22	153.83	139.93	128.92
315.0	448.09	357.25	262.54	205.69	171.65	151.28	137.72	124.21	114.64
360.0	306.94	239.02	181.95	159.36	145.36	130.41	120.50	111.76	102.18

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	95.37	89.17	82.14	77.00	72.35	67.97	63.21	59.78	56.57
45.0	103.84	97.15	90.56	83.31	77.83	73.07	68.47	63.66	60.11
90.0	95.87	89.40	82.09	76.89	72.02	66.76	62.99	59.51	55.69
135.0	101.91	93.44	87.29	81.54	75.06	70.47	66.31	62.55	58.34
180.0	109.77	100.41	93.49	87.35	81.48	75.17	70.35	66.26	62.33
225.0	105.78	96.70	90.23	82.64	77.50	72.46	68.08	63.16	59.67
270.0	116.69	108.38	100.91	92.50	86.19	80.76	74.45	69.97	64.82
315.0	106.56	99.36	92.83	85.24	79.93	74.89	70.35	65.10	61.33
360.0	95.37	89.17	82.14	77.00	72.35	67.97	63.21	59.78	56.57
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	53.25	50.65	48.38	45.78	43.90	42.18	40.19	38.69	37.36
45.0	56.90	53.36	50.87	48.55	45.89	44.01	42.18	40.13	38.64
90.0	52.97	50.37	47.49	45.39	43.51	41.79	39.80	38.36	37.09
135.0	55.41	52.70	50.21	47.49	45.45	43.62	41.40	39.85	37.97
180.0	58.18	55.19	52.48	49.43	47.33	45.33	43.07	41.46	39.97
225.0	56.46	53.69	50.54	48.21	46.16	44.28	42.12	40.52	38.75
270.0	61.28	57.96	55.02	51.76	49.38	47.22	45.22	43.07	41.40
315.0	57.96	54.30	51.70	48.71	46.61	44.62	42.84	40.74	39.19
360.0	53.25	50.65	48.38	45.78	43.90	42.18	40.19	38.69	37.36
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.76	34.60	33.43	32.33	31.00	30.00	29.06	28.12	27.07
45.0	37.25	35.98	34.43	33.32	32.27	31.22	30.00	29.01	28.06
90.0	35.81	34.32	33.21	32.11	30.83	29.84	28.67	27.73	26.90
135.0	36.64	35.43	34.26	32.99	31.88	30.83	29.84	28.67	27.79
180.0	38.19	36.92	35.70	34.54	33.10	32.05	31.05	30.06	28.89
225.0	37.36	36.09	34.60	33.43	32.38	31.27	30.11	29.17	28.29
270.0	39.80	37.97	36.70	35.43	33.93	32.77	31.72	30.44	29.50
315.0	37.81	36.15	34.93	33.77	32.66	31.33	30.33	29.34	28.23
360.0	35.76	34.60	33.43	32.33	31.00	30.00	29.06	28.12	27.07
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.18	25.35	24.36	23.58	22.64	21.86	21.09	20.43	19.60
45.0	26.96	26.07	25.08	24.24	23.47	22.69	21.81	21.09	20.48
90.0	26.02	25.08	24.24	23.47	22.75	21.81	21.09	20.43	19.71
135.0	26.96	25.91	25.13	24.30	23.36	22.64	21.75	21.03	20.37
180.0	28.01	27.18	26.13	25.30	24.30	23.53	22.75	22.03	21.09
225.0	27.40	26.29	25.46	24.69	23.69	22.92	21.98	21.26	20.65
270.0	28.56	27.68	26.57	25.68	24.85	24.02	23.08	22.31	21.59
315.0	27.29	26.46	25.35	24.52	23.75	22.75	21.98	21.26	20.54
360.0	26.18	25.35	24.36	23.58	22.64	21.86	21.09	20.43	19.60
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.93	18.27	17.82	17.21	16.83	16.44	16.05	15.67	15.61
45.0	19.48	18.93	18.27	17.66	17.21	16.77	16.33	15.94	15.67
90.0	18.88	18.21	17.66	17.16	16.72	16.38	15.94	15.55	15.55
135.0	19.65	18.82	18.21	17.71	17.21	16.72	16.22	15.83	15.50
180.0	20.48	19.71	18.99	18.43	17.77	17.27	16.83	16.38	16.05
225.0	19.82	19.21	18.54	17.99	17.44	17.05	16.61	16.16	15.78
270.0	20.76	20.09	19.21	18.60	17.99	17.44	16.99	16.55	16.16
315.0	19.76	18.99	18.49	17.82	17.38	16.88	16.55	16.05	15.67
360.0	18.93	18.27	17.82	17.21	16.83	16.44	16.05	15.67	15.61

Intensity data(cd)

C/γ(°)	90.0
0.0	15.61
45.0	15.67
90.0	15.55
135.0	15.50
180.0	15.61
225.0	15.55
270.0	15.72
315.0	15.50
360.0	15.61