



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: 2-2639-L

Luminaire: 92.70.412.00

Report No: 20231031-B013

Ballast type: AC

Test No: 20231031-C013

Voltage(V): 34.660

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.576

Lamp flux(lm): 3260.6

Power (W): 19.964

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3076.67, Efficiency(%): 94.36% , Luminous Efficacy(lm/W): 154.11

Central intensity(cd): 12226.230, Maximum intensity(cd): 12226.230

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

Beam Angle(50%Imax): [C0/180]Total=21.2

[C90/270]Total=21.2

Field angle(10%Imax): [C0/180]Total=55.4

[C90/270]Total=55.4

Beam angle of C0 plane : 21.15

Average BeamAngle(IEC 61341):21.15

Maximum s/h(1/2): C0\_180=0.36 C90\_270=0.36

Maximum s/h(1/4): C0\_180=0.40 C90\_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.36%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.760%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/10/31  
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	12226.226	0.000	0	0.00%	0.00%
1.0	12114.135	11.646	11.646	0.36%	0.38%
2.0	11761.049	34.268	45.914	1.05%	1.49%
3.0	11350.602	55.275	101.19	1.70%	3.29%
4.0	10977.588	74.740	175.929	2.29%	5.72%
5.0	10389.663	91.921	267.85	2.82%	8.71%
6.0	9638.722	105.254	373.105	3.23%	12.13%
7.0	8881.278	114.953	488.058	3.53%	15.86%
8.0	8040.180	121.104	609.162	3.71%	19.80%
9.0	7232.778	123.779	732.941	3.80%	23.82%
10.0	6477.824	124.076	857.017	3.81%	27.86%
11.0	5841.327	123.094	980.11	3.78%	31.86%
12.0	5196.042	120.654	1100.764	3.70%	35.78%
13.0	4636.902	116.692	1217.457	3.58%	39.57%
14.0	4150.413	112.477	1329.934	3.45%	43.23%
15.0	3718.447	108.027	1437.961	3.31%	46.74%
16.0	3337.338	103.387	1541.348	3.17%	50.10%
17.0	2997.051	98.643	1639.991	3.03%	53.30%
18.0	2748.860	94.738	1734.729	2.91%	56.38%
19.0	2584.044	92.782	1827.511	2.85%	59.40%
20.0	2343.049	90.179	1917.69	2.77%	62.33%
21.0	2087.523	85.076	2002.766	2.61%	65.10%
22.0	1924.852	80.630	2083.396	2.47%	67.72%
23.0	1791.588	77.981	2161.377	2.39%	70.25%
24.0	1669.326	75.668	2237.045	2.32%	72.71%
25.0	1558.273	73.389	2310.434	2.25%	75.10%
26.0	1413.669	70.153	2380.587	2.15%	77.38%
27.0	1304.525	66.501	2447.088	2.04%	79.54%
28.0	1189.362	63.140	2510.228	1.94%	81.59%
29.0	1094.099	59.742	2569.97	1.83%	83.53%
30.0	974.140	55.842	2625.812	1.71%	85.35%
31.0	853.566	50.862	2676.674	1.56%	87.00%
32.0	734.646	45.500	2722.175	1.40%	88.48%
33.0	623.164	40.002	2762.176	1.23%	89.78%
34.0	514.567	34.431	2796.607	1.06%	90.90%
35.0	413.595	28.825	2825.433	0.88%	91.83%
36.0	324.600	23.504	2848.937	0.72%	92.60%
37.0	260.965	19.098	2868.035	0.59%	93.22%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	224.314	16.198	2884.233	0.50%	93.75%
39.0	168.268	13.400	2897.633	0.41%	94.18%
40.0	115.724	9.905	2907.537	0.30%	94.50%
41.0	100.917	7.714	2915.252	0.24%	94.75%
42.0	91.202	6.980	2922.232	0.21%	94.98%
43.0	82.968	6.452	2928.683	0.20%	95.19%
44.0	76.250	6.009	2934.693	0.18%	95.39%
45.0	70.361	5.634	2940.327	0.17%	95.57%
46.0	65.566	5.316	2945.643	0.16%	95.74%
47.0	61.574	5.057	2950.7	0.16%	95.91%
48.0	58.453	4.852	2955.552	0.15%	96.06%
49.0	55.630	4.685	2960.237	0.14%	96.22%
50.0	53.216	4.538	2964.775	0.14%	96.36%
51.0	51.271	4.421	2969.196	0.14%	96.51%
52.0	49.687	4.332	2973.528	0.13%	96.65%
53.0	48.303	4.263	2977.79	0.13%	96.79%
54.0	47.459	4.221	2982.011	0.13%	96.92%
55.0	47.009	4.217	2986.228	0.13%	97.06%
56.0	46.829	4.240	2990.468	0.13%	97.20%
57.0	46.753	4.279	2994.747	0.13%	97.34%
58.0	46.781	4.325	2999.072	0.13%	97.48%
59.0	46.393	4.356	3003.428	0.13%	97.62%
60.0	45.300	4.332	3007.76	0.13%	97.76%
61.0	43.446	4.235	3011.995	0.13%	97.90%
62.0	40.553	4.048	3016.043	0.12%	98.03%
63.0	37.038	3.774	3019.817	0.12%	98.15%
64.0	33.510	3.462	3023.278	0.11%	98.26%
65.0	30.514	3.168	3026.447	0.10%	98.37%
66.0	28.154	2.927	3029.374	0.09%	98.46%
67.0	26.521	2.749	3032.123	0.08%	98.55%
68.0	25.283	2.624	3034.747	0.08%	98.64%
69.0	24.300	2.529	3037.277	0.08%	98.72%
70.0	23.470	2.453	3039.73	0.08%	98.80%
71.0	22.653	2.384	3042.114	0.07%	98.88%
72.0	21.892	2.316	3044.431	0.07%	98.95%
73.0	21.221	2.255	3046.685	0.07%	99.03%
74.0	20.522	2.195	3048.88	0.07%	99.10%
75.0	19.893	2.135	3051.015	0.07%	99.17%

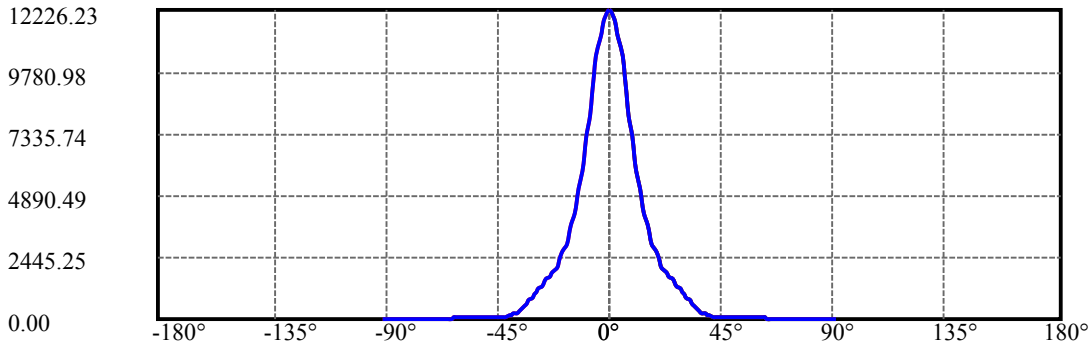
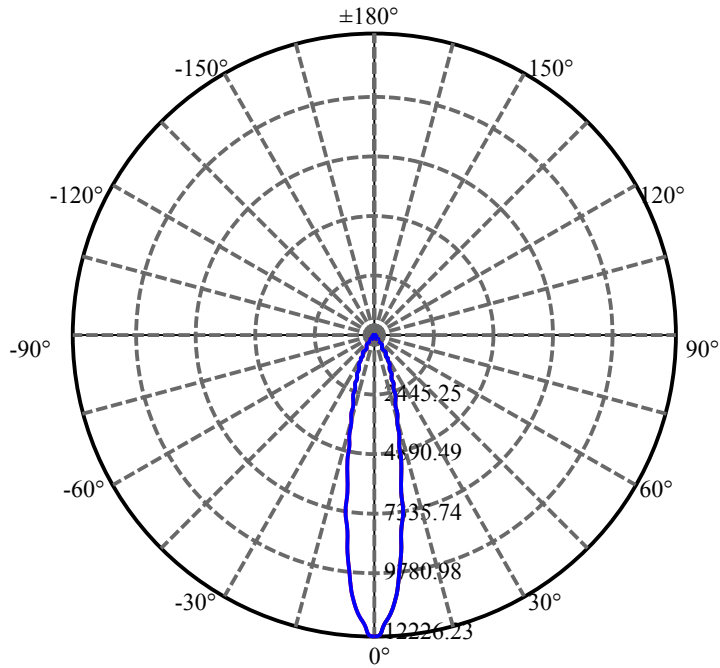
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.242	2.077	3053.092	0.06%	99.23%
77.0	18.668	2.021	3055.114	0.06%	99.30%
78.0	18.114	1.969	3057.083	0.06%	99.36%
79.0	17.554	1.916	3058.999	0.06%	99.43%
80.0	16.980	1.862	3060.861	0.06%	99.49%
81.0	16.426	1.807	3062.667	0.06%	99.54%
82.0	15.831	1.749	3064.417	0.05%	99.60%
83.0	15.298	1.692	3066.109	0.05%	99.66%
84.0	14.786	1.639	3067.748	0.05%	99.71%
85.0	14.344	1.590	3069.338	0.05%	99.76%
86.0	13.935	1.546	3070.883	0.05%	99.81%
87.0	13.555	1.504	3072.388	0.05%	99.86%
88.0	13.160	1.463	3073.851	0.04%	99.91%
89.0	12.814	1.424	3075.275	0.04%	99.95%
90.0	12.690	1.398	3076.673	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2625.81	80.53%	85.35%
0-40	2907.54	89.17%	94.50%
0-60	3007.76	92.25%	97.76%
0-90	3075.28	94.32%	99.95%
0-120	3075.28	94.32%	99.95%
0-180	3076.67	94.36%	100.00%
60-90	67.51	2.07%	2.19%
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%
0-27.23	2461.34	75.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	857.02
10-20	1060.67
20-30	708.12
30-40	281.73
40-50	57.24
50-60	42.99
60-70	31.97
70-80	21.13
80-90	14.41
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: —————

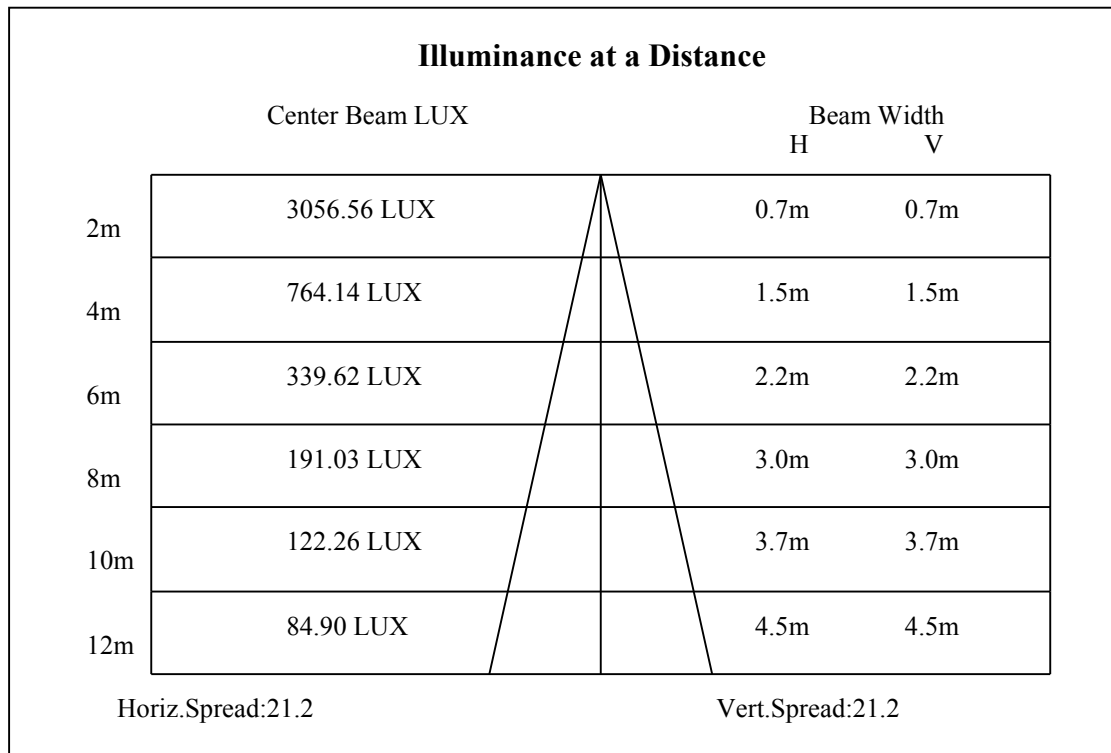
C90/C270: —————

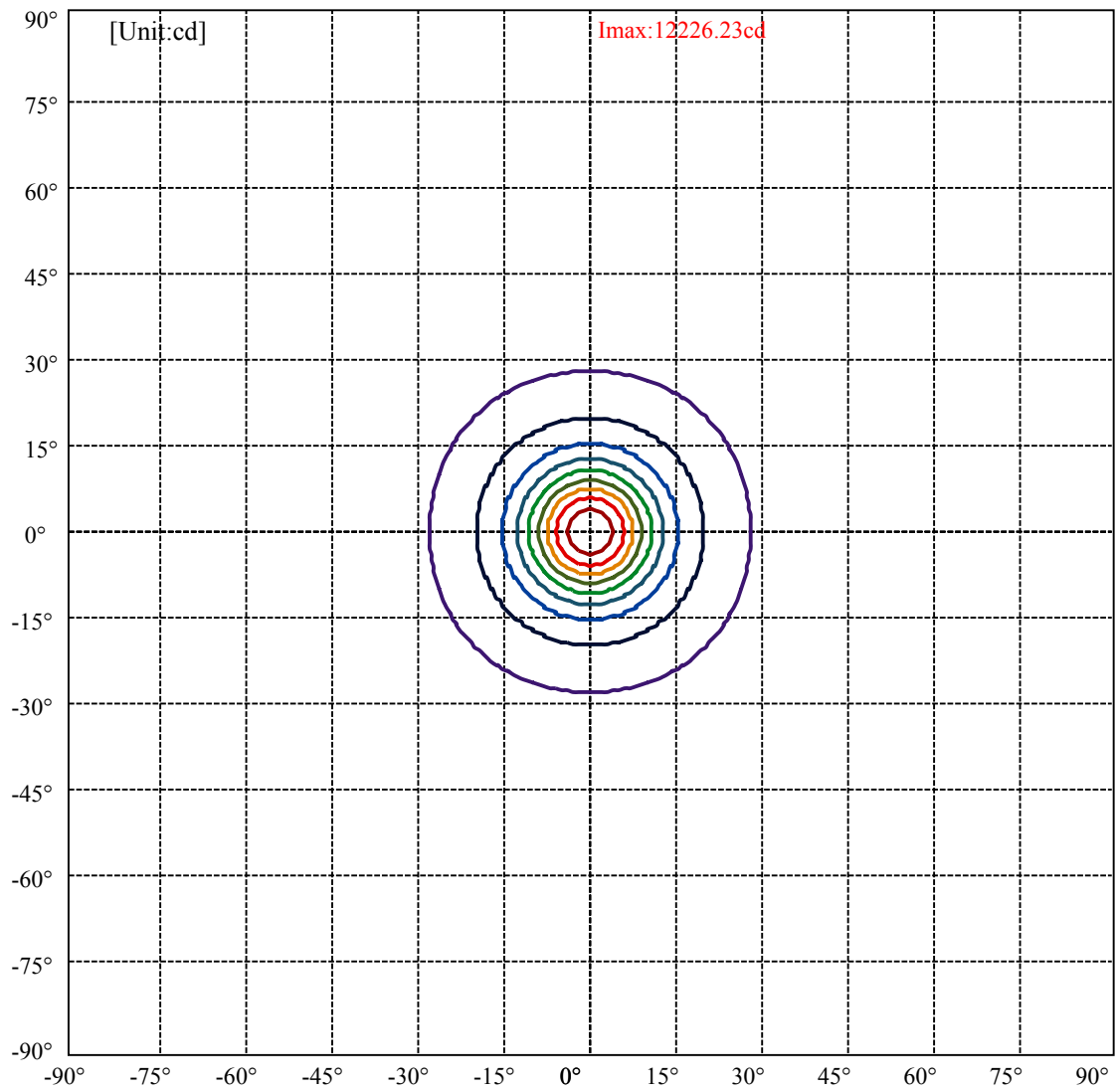
Field angle(10%Imax):C0/180Left:27.7 Right:27.7

:C90/270Left:27.7 Right:27.7

Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6

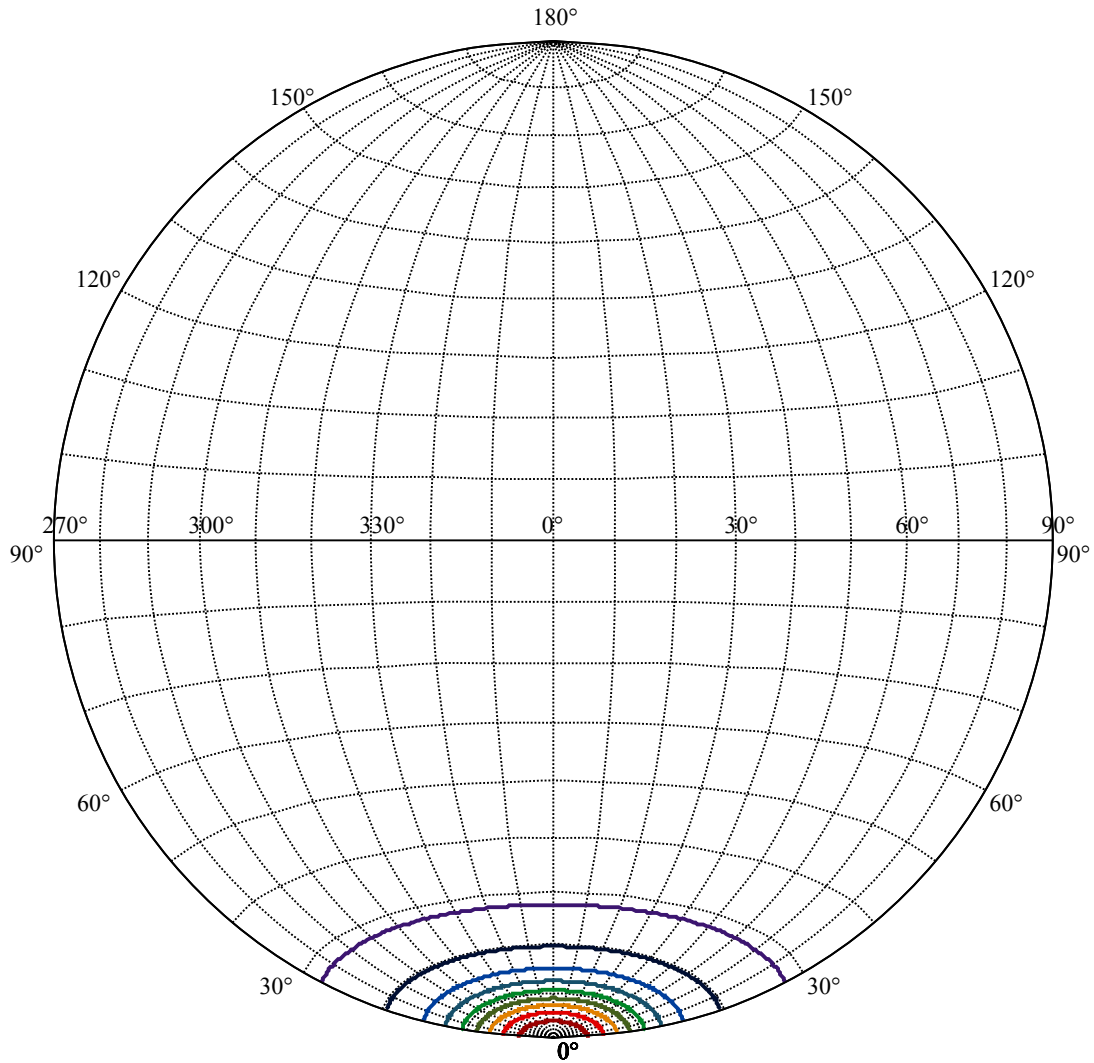
:C90/270Left:10.6 Right:10.6





(10%Imax) 1222.62	—
(20%Imax) 2445.25	—
(30%Imax) 3667.87	—
(40%Imax) 4890.49	—
(50%Imax) 6113.11	—
(60%Imax) 7335.74	—
(70%Imax) 8558.36	—
(80%Imax) 9780.98	—
(90%Imax) 11003.6	—





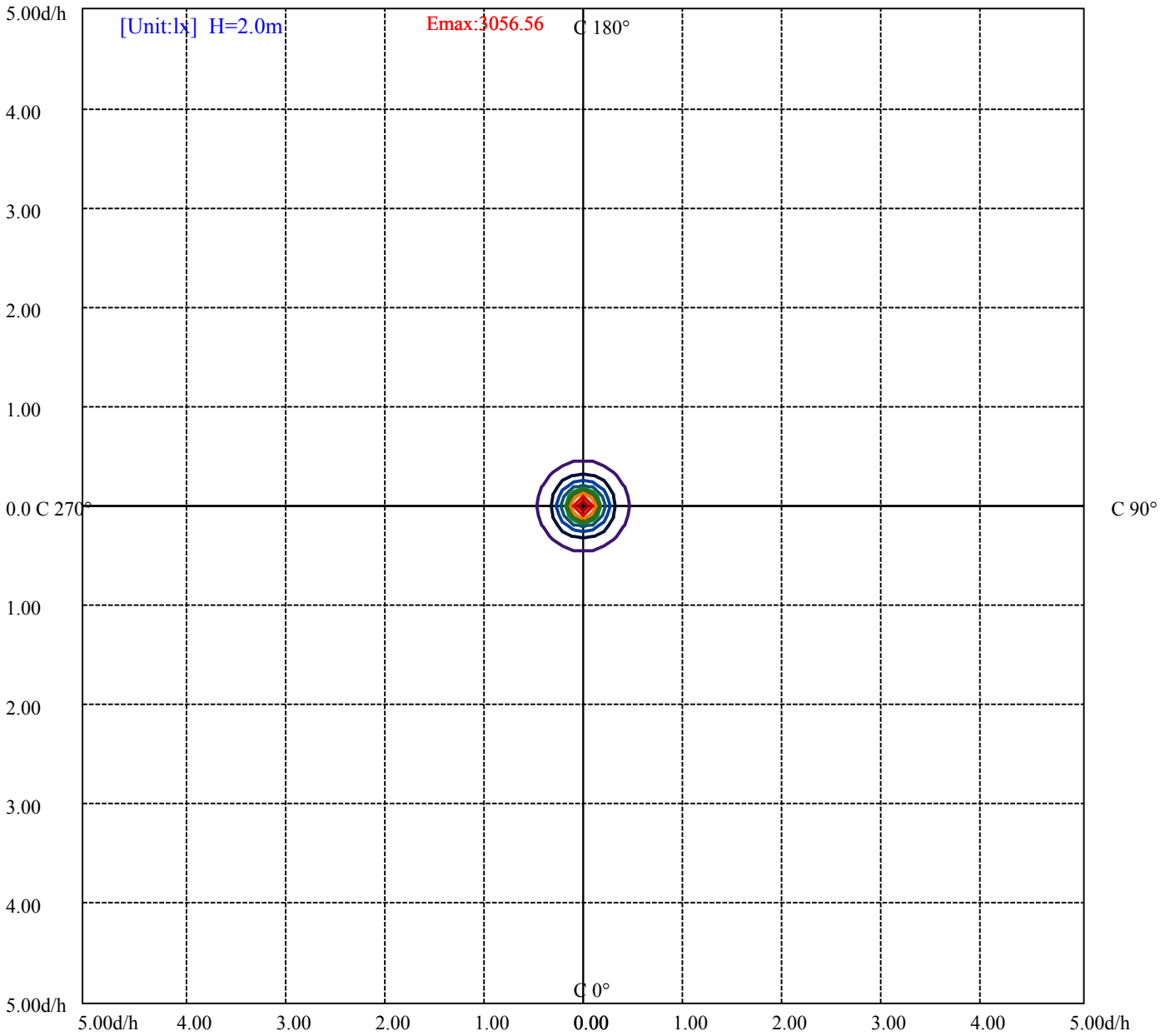
House

[Unit:cd]

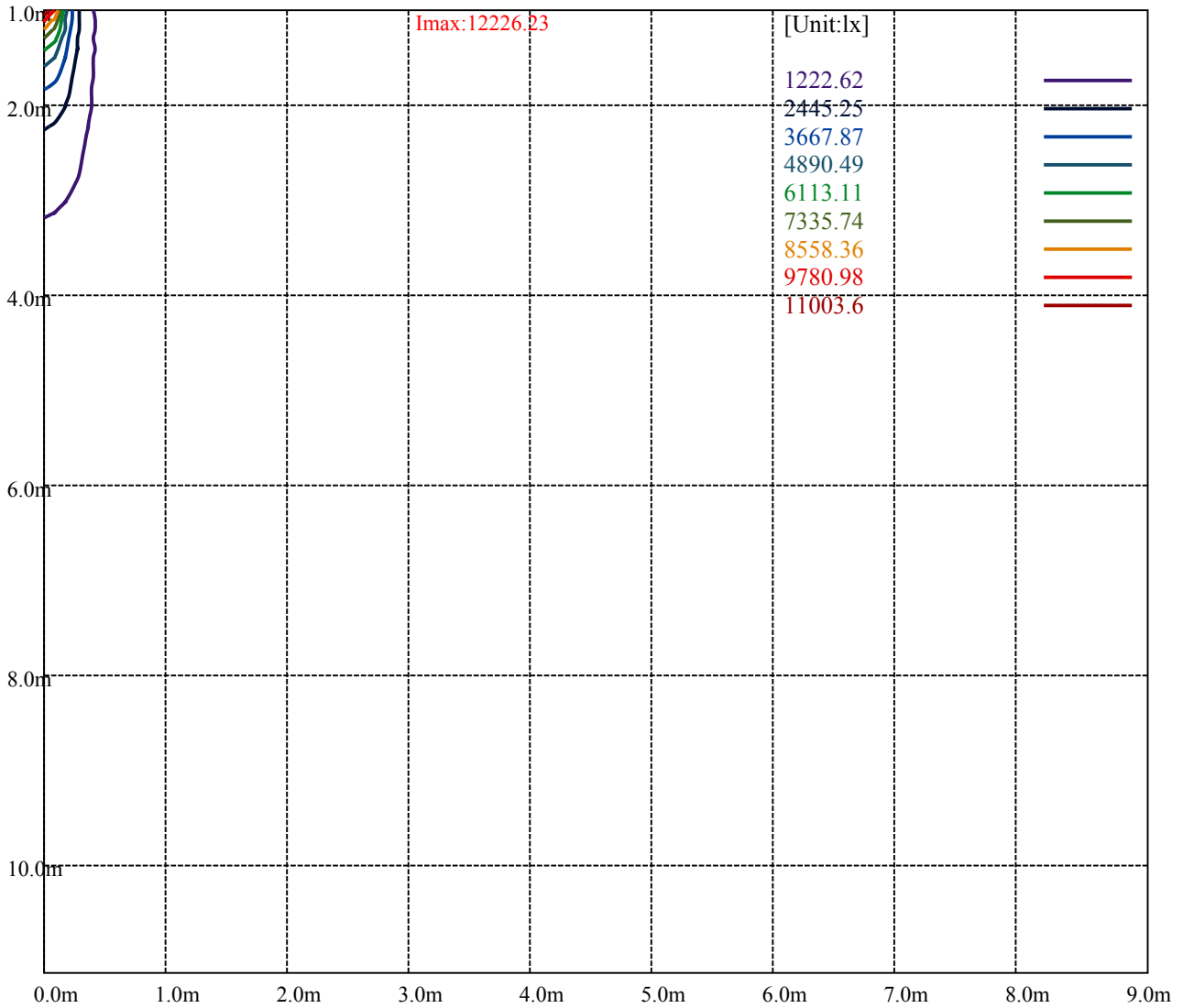
Road

Imax:12226.23

(10%Imax)	1222.62	—
(20%Imax)	2445.25	—
(30%Imax)	3667.87	—
(40%Imax)	4890.49	—
(50%Imax)	6113.11	—
(60%Imax)	7335.74	—
(70%Imax)	8558.36	—
(80%Imax)	9780.98	—
(90%Imax)	11003.6	—



(10%Emax) 305.655	—
(20%Emax) 611.31	—
(30%Emax) 916.965	—
(40%Emax) 1222.62	—
(50%Emax) 1528.275	—
(60%Emax) 1833.932	—
(70%Emax) 2139.587	—
(80%Emax) 2445.242	—
(90%Emax) 2750.9	—



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

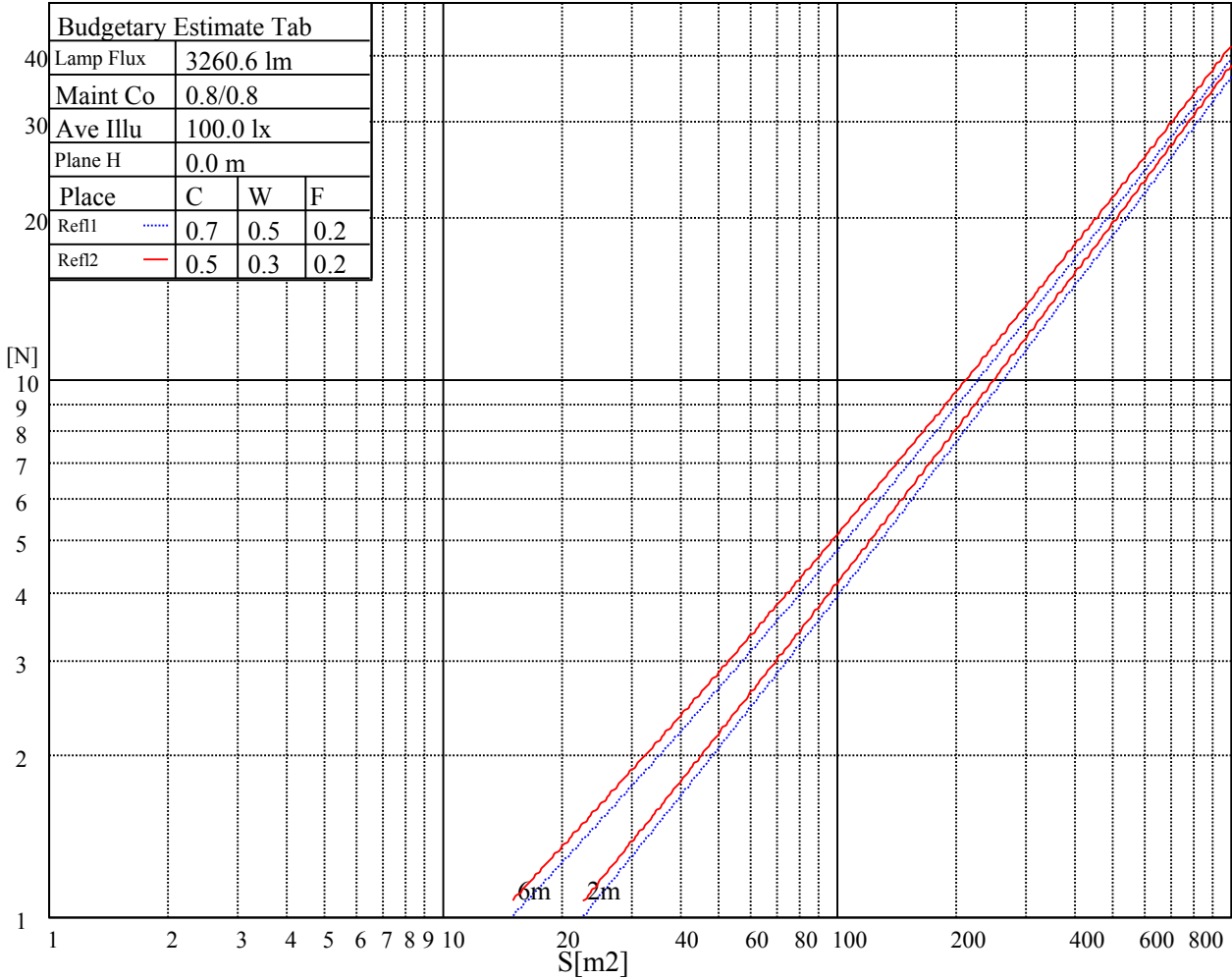
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

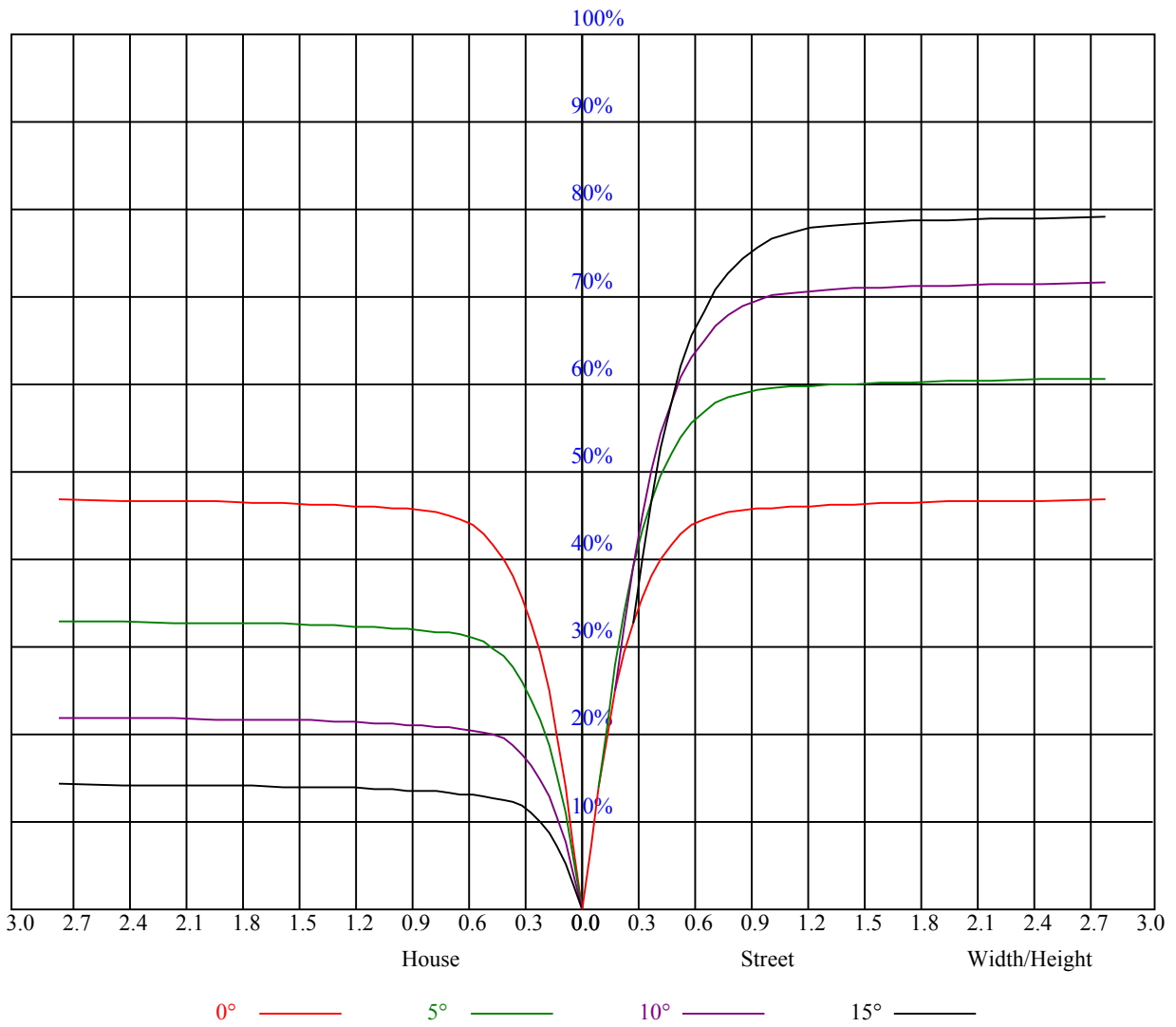


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.77
5	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.73	0.81	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61





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	12233.15	11967.45	10983.26	10983.26	10512.20	9591.12	8841.63	8050.63	7085.26
45.0	12288.50	12211.00	12039.41	11602.11	11120.54	10478.44	9786.52	8862.11	8087.16
90.0	12133.51	11685.14	10968.32	10968.32	10331.75	9633.19	8717.64	7963.17	7224.20
135.0	12249.75	12105.83	11845.67	11469.27	10843.77	10218.27	9509.75	8790.15	7876.82
180.0	12233.15	12266.36	12199.93	11989.59	11530.15	11070.72	10489.51	9814.19	8923.00
225.0	12288.50	12194.40	11895.49	10910.75	10910.75	10461.83	9601.08	8846.61	8107.09
270.0	12133.51	12266.36	12183.33	11972.98	11663.00	11081.79	10461.83	9780.98	8862.11
315.0	12249.75	12216.54	11972.98	10908.53	10908.53	10581.95	9701.83	8942.37	8155.80
360.0	12233.15	11967.45	10983.26	10983.26	10512.20	9591.12	8841.63	8050.63	7085.26
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6378.95	5597.91	5048.25	4542.87	3986.01	3599.09	3240.95	2932.08	2609.92
45.0	7140.61	6443.16	5801.06	5114.67	4610.95	4145.98	3730.83	3276.93	2966.95
90.0	6340.75	5704.19	5127.96	4614.28	4050.22	3651.68	3221.58	2925.99	2678.56
135.0	7162.76	6498.51	5861.95	5158.96	4633.10	4173.66	3658.87	3299.07	2989.09
180.0	8181.26	7267.93	6559.40	5917.30	5181.10	4666.31	4201.34	3797.26	3343.36
225.0	7172.17	6470.28	5833.16	5115.78	4610.95	4049.67	3657.77	3310.15	3006.81
270.0	8098.23	7350.96	6636.90	5812.13	5241.99	4721.66	4262.23	3752.97	3382.10
315.0	7387.49	6489.66	5861.95	5292.36	4780.89	4195.25	3774.01	3404.25	2999.61
360.0	6378.95	5597.91	5048.25	4542.87	3986.01	3599.09	3240.95	2932.08	2609.92
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2393.49	2207.50	2040.89	1864.86	1740.87	1630.16	1504.51	1407.64	1098.82
45.0	2828.57	2828.57	2230.20	2069.67	1921.88	1764.12	1648.98	1519.46	1420.37
90.0	2410.10	2231.30	2071.89	1925.20	1771.32	1661.16	1559.31	1463.00	1248.22
135.0	2856.25	2856.25	2232.96	2075.21	1938.48	1815.60	1702.12	1577.58	1481.82
180.0	3033.38	2811.96	2811.96	2283.34	2116.17	1962.29	1801.76	1692.71	1590.86
225.0	2679.11	2460.47	2273.37	2111.19	1929.63	1797.88	1685.52	1582.56	1463.55
270.0	3066.59	2850.71	2850.71	2304.37	2094.03	1941.80	1805.63	1675.55	1578.13
315.0	2723.40	2425.59	2232.41	2066.35	1886.45	1759.69	1646.77	1547.69	1427.57
360.0	2393.49	2207.50	2040.89	1864.86	1740.87	1630.16	1504.51	1407.64	1098.82
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1098.82	1040.98	928.45	789.40	682.73	581.54	482.90	368.54	288.23
45.0	1310.22	1195.08	1052.83	940.46	828.64	721.81	592.84	497.63	405.19
90.0	1097.99	1097.99	980.37	840.21	729.78	596.71	496.91	402.59	297.25
135.0	1373.88	1259.85	1115.93	1000.24	885.10	743.95	637.12	537.48	416.81
180.0	1470.75	1372.77	1263.72	1125.34	1009.10	885.10	771.63	636.01	535.27
225.0	1362.81	1078.79	1078.79	992.05	848.13	735.87	628.37	529.35	412.22
270.0	1476.83	1375.54	1238.81	1126.45	1006.33	882.89	750.04	639.89	540.25
315.0	1244.90	1093.90	1093.90	978.98	838.72	729.28	625.50	505.05	413.55
360.0	1098.82	1040.98	928.45	789.40	682.73	581.54	482.90	368.54	288.23
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	219.09	164.90	122.66	107.00	97.48	87.74	80.87	74.56	68.36
45.0	321.60	283.96	283.96	135.28	112.15	102.07	93.33	84.14	77.27
90.0	227.61	172.37	135.28	112.09	101.74	93.22	85.80	77.05	71.46
135.0	328.80	288.39	288.39	133.35	112.81	100.02	91.61	84.25	77.88
180.0	440.61	352.60	292.82	292.82	142.04	110.32	99.08	90.00	81.43
225.0	327.42	255.51	194.35	139.33	114.14	102.51	90.56	83.42	77.11
270.0	422.90	331.57	295.59	295.59	135.34	112.04	97.87	88.95	81.59
315.0	308.76	238.41	181.45	130.69	110.10	99.42	90.50	81.37	74.89
360.0	219.09	164.90	122.66	107.00	97.48	87.74	80.87	74.56	68.36

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	64.04	60.67	57.07	54.80	52.70	50.43	48.99	47.83	47.00
45.0	70.74	66.15	62.44	59.28	55.91	53.80	51.92	50.26	48.55
90.0	66.81	62.99	59.01	56.29	53.47	51.53	49.60	48.49	47.55
135.0	71.02	66.42	62.66	59.34	55.91	53.58	51.15	49.65	48.43
180.0	75.45	69.08	64.87	61.44	58.62	55.74	53.58	51.76	50.10
225.0	70.35	66.09	62.60	59.01	56.46	54.30	52.48	50.43	49.04
270.0	75.11	68.31	63.88	60.34	57.35	54.36	52.25	50.37	48.55
315.0	69.36	64.82	60.06	57.12	54.63	51.98	50.21	48.71	47.22
360.0	64.04	60.67	57.07	54.80	52.70	50.43	48.99	47.83	47.00
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	46.50	46.66	46.72	46.66	46.66	45.67	43.12	40.19	36.53
45.0	47.66	47.05	46.61	46.39	46.28	45.78	44.67	42.73	39.30
90.0	47.22	47.16	47.11	46.94	46.72	45.72	43.84	41.07	37.53
135.0	47.44	47.11	47.05	47.11	47.11	46.72	45.89	44.06	40.35
180.0	48.66	47.88	47.55	47.44	47.83	47.83	47.55	46.61	44.73
225.0	48.32	47.71	47.60	47.60	47.66	47.60	46.44	44.12	41.35
270.0	47.44	46.55	46.28	46.11	46.22	46.11	46.16	45.61	43.78
315.0	46.44	45.94	45.72	45.78	45.78	45.72	44.73	43.18	40.85
360.0	46.50	46.66	46.72	46.66	46.66	45.67	43.12	40.19	36.53
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	32.33	29.50	27.62	26.24	24.91	24.02	23.19	22.47	21.59
45.0	36.04	33.10	30.33	27.90	26.40	25.30	24.30	23.36	22.64
90.0	33.21	30.00	27.62	26.29	25.24	24.13	23.30	22.58	21.92
135.0	36.81	33.54	29.72	27.79	26.35	25.08	24.24	23.25	22.53
180.0	41.29	37.47	34.10	30.78	28.17	26.63	25.63	24.74	23.69
225.0	37.86	33.49	30.44	28.40	26.79	25.46	24.58	23.80	23.03
270.0	41.13	37.47	33.99	30.00	28.01	26.40	25.08	24.24	23.25
315.0	37.64	33.49	30.28	27.84	26.29	25.24	24.08	23.30	22.58
360.0	32.33	29.50	27.62	26.24	24.91	24.02	23.19	22.47	21.59
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.98	20.37	19.65	19.15	18.49	17.99	17.44	16.99	16.33
45.0	21.92	21.09	20.48	19.93	19.21	18.65	18.16	17.55	17.05
90.0	21.09	20.48	19.93	19.32	18.71	18.16	17.66	16.99	16.50
135.0	21.81	21.15	20.37	19.82	19.26	18.71	18.05	17.55	17.05
180.0	22.97	22.25	21.37	20.76	19.93	19.32	18.82	18.27	17.55
225.0	22.14	21.48	20.76	19.98	19.43	18.76	18.10	17.55	16.99
270.0	22.53	21.86	21.20	20.37	19.82	19.21	18.65	18.05	17.49
315.0	21.70	21.09	20.43	19.82	19.10	18.54	18.05	17.49	16.88
360.0	20.98	20.37	19.65	19.15	18.49	17.99	17.44	16.99	16.33
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.89	15.28	14.89	14.39	14.00	13.67	13.23	12.84	12.62
45.0	16.50	15.89	15.33	14.78	14.39	14.00	13.56	13.23	12.79
90.0	15.94	15.33	14.89	14.45	14.00	13.62	13.23	12.79	12.68
135.0	16.33	15.78	15.17	14.72	14.23	13.84	13.45	13.06	12.68
180.0	17.05	16.38	15.83	15.28	14.72	14.28	13.89	13.51	13.06
225.0	16.33	15.83	15.28	14.72	14.39	13.95	13.62	13.23	12.90
270.0	16.99	16.33	15.72	15.11	14.67	14.17	13.84	13.40	13.01
315.0	16.38	15.83	15.28	14.83	14.34	13.95	13.62	13.23	12.79
360.0	15.89	15.28	14.89	14.39	14.00	13.67	13.23	12.84	12.62

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>12.68</b>
<b>45.0</b>	<b>12.73</b>
<b>90.0</b>	<b>12.73</b>
<b>135.0</b>	<b>12.68</b>
<b>180.0</b>	<b>12.68</b>
<b>225.0</b>	<b>12.73</b>
<b>270.0</b>	<b>12.68</b>
<b>315.0</b>	<b>12.62</b>
<b>360.0</b>	<b>12.68</b>