



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: 2-2643-L

Luminaire: 92.70.412.000

Report No: 20231101-B021

Ballast type: AC

Test No: 20231101-C021

Voltage(V): 35.220

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.884

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2442.46, Efficiency(%): 95.29% , Luminous Efficacy(lm/W): 153.77

Central intensity(cd): 12450.410, Maximum intensity(cd): 12450.410

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

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=47.0

[C90/270]Total=47.0

Maximum s/h(1/2): C0\_180=0.32 C90\_270=0.32

Maximum s/h(1/4): C0\_180=0.34 C90\_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.019%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/01  
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	12450.408	0.000	0	0.00%	0.00%
1.0	12157.242	11.774	11.774	0.46%	0.48%
2.0	11808.445	34.398	46.172	1.34%	1.89%
3.0	11350.878	55.389	101.562	2.16%	4.16%
4.0	10786.756	74.102	175.663	2.89%	7.19%
5.0	10037.268	89.584	265.247	3.49%	10.86%
6.0	9164.688	100.911	366.159	3.94%	14.99%
7.0	8290.378	108.343	474.502	4.23%	19.43%
8.0	7317.192	111.700	586.202	4.36%	24.00%
9.0	6449.594	111.572	697.775	4.35%	28.57%
10.0	5608.634	109.123	806.897	4.26%	33.04%
11.0	4882.049	104.823	911.721	4.09%	37.33%
12.0	4255.239	99.884	1011.604	3.90%	41.42%
13.0	3720.315	94.650	1106.254	3.69%	45.29%
14.0	3256.798	89.306	1195.56	3.48%	48.95%
15.0	2913.122	84.703	1280.264	3.30%	52.42%
16.0	2658.149	81.635	1361.899	3.18%	55.76%
17.0	2489.459	80.162	1442.061	3.13%	59.04%
18.0	2210.892	77.499	1519.559	3.02%	62.21%
19.0	1940.836	72.232	1591.791	2.82%	65.17%
20.0	1767.856	67.879	1659.67	2.65%	67.95%
21.0	1608.506	64.833	1724.503	2.53%	70.61%
22.0	1445.352	61.369	1785.872	2.39%	73.12%
23.0	1313.050	57.879	1843.75	2.26%	75.49%
24.0	1182.650	54.565	1898.315	2.13%	77.72%
25.0	1102.298	51.955	1950.27	2.03%	79.85%
26.0	1000.226	49.630	1999.9	1.94%	81.88%
27.0	891.207	46.274	2046.175	1.81%	83.78%
28.0	785.184	42.443	2088.617	1.66%	85.51%
29.0	687.118	38.520	2127.137	1.50%	87.09%
30.0	592.104	34.539	2161.676	1.35%	88.50%
31.0	505.780	30.553	2192.228	1.19%	89.75%
32.0	430.789	26.832	2219.06	1.05%	90.85%
33.0	357.591	23.226	2242.286	0.91%	91.80%
34.0	297.366	19.821	2262.107	0.77%	92.62%
35.0	253.762	17.116	2279.223	0.67%	93.32%
36.0	222.058	15.150	2294.373	0.59%	93.94%
37.0	181.767	13.171	2307.543	0.51%	94.48%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	132.489	10.489	2318.033	0.41%	94.91%
39.0	108.998	8.243	2326.275	0.32%	95.24%
40.0	91.001	6.975	2333.251	0.27%	95.53%
41.0	75.682	5.936	2339.186	0.23%	95.77%
42.0	65.027	5.112	2344.298	0.20%	95.98%
43.0	56.336	4.496	2348.794	0.18%	96.16%
44.0	49.618	3.999	2352.793	0.16%	96.33%
45.0	44.657	3.623	2356.416	0.14%	96.48%
46.0	40.830	3.343	2359.759	0.13%	96.61%
47.0	37.454	3.114	2362.873	0.12%	96.74%
48.0	34.894	2.925	2365.797	0.11%	96.86%
49.0	32.652	2.774	2368.571	0.11%	96.97%
50.0	30.631	2.638	2371.21	0.10%	97.08%
51.0	28.978	2.522	2373.732	0.10%	97.19%
52.0	27.704	2.432	2376.164	0.09%	97.29%
53.0	26.563	2.361	2378.525	0.09%	97.38%
54.0	25.573	2.298	2380.823	0.09%	97.48%
55.0	24.819	2.249	2383.072	0.09%	97.57%
56.0	24.238	2.217	2385.289	0.09%	97.66%
57.0	23.844	2.198	2387.487	0.09%	97.75%
58.0	23.518	2.190	2389.677	0.09%	97.84%
59.0	23.359	2.192	2391.869	0.09%	97.93%
60.0	23.262	2.203	2394.071	0.09%	98.02%
61.0	23.062	2.211	2396.282	0.09%	98.11%
62.0	22.875	2.213	2398.496	0.09%	98.20%
63.0	22.570	2.210	2400.706	0.09%	98.29%
64.0	21.982	2.186	2402.892	0.09%	98.38%
65.0	21.214	2.138	2405.03	0.08%	98.47%
66.0	20.432	2.078	2407.108	0.08%	98.55%
67.0	19.457	2.006	2409.113	0.08%	98.63%
68.0	18.543	1.925	2411.038	0.08%	98.71%
69.0	17.706	1.849	2412.888	0.07%	98.79%
70.0	17.000	1.782	2414.67	0.07%	98.86%
71.0	16.392	1.726	2416.396	0.07%	98.93%
72.0	15.859	1.677	2418.073	0.07%	99.00%
73.0	15.395	1.634	2419.707	0.06%	99.07%
74.0	14.966	1.596	2421.303	0.06%	99.13%
75.0	14.593	1.562	2422.865	0.06%	99.20%

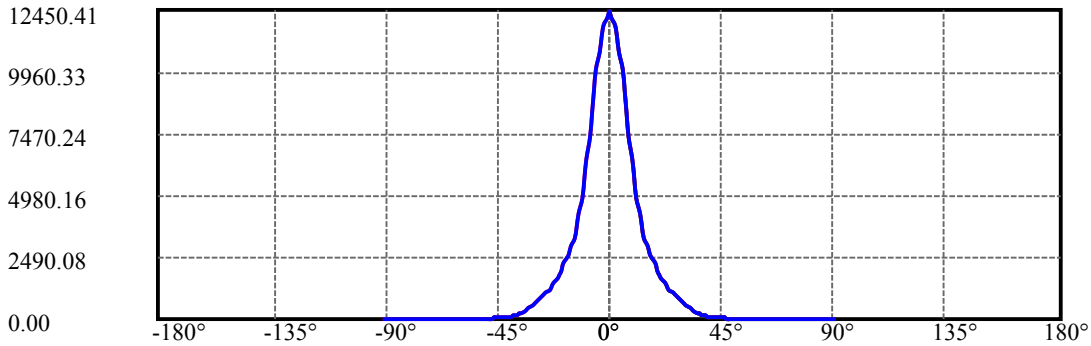
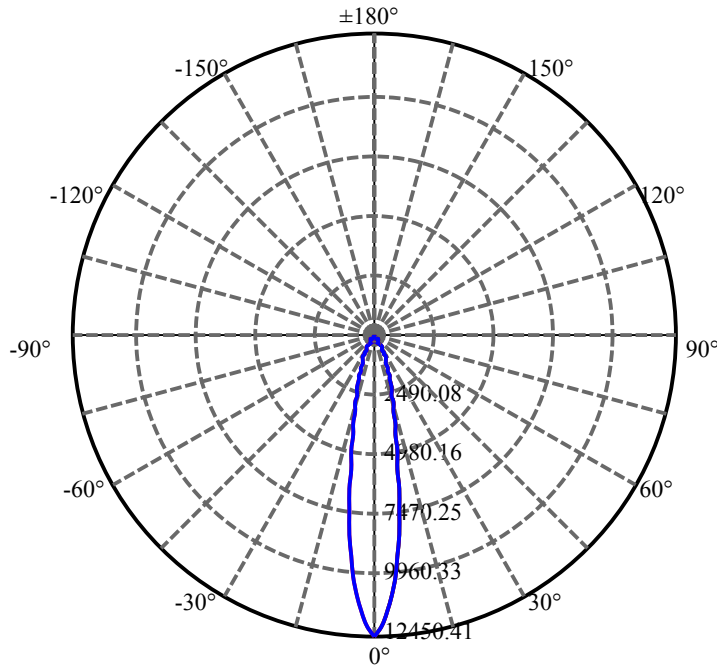
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.205	1.529	2424.394	0.06%	99.26%
77.0	13.825	1.494	2425.888	0.06%	99.32%
78.0	13.458	1.460	2427.349	0.06%	99.38%
79.0	13.119	1.428	2428.777	0.06%	99.44%
80.0	12.759	1.395	2430.172	0.05%	99.50%
81.0	12.427	1.362	2431.534	0.05%	99.55%
82.0	12.067	1.328	2432.862	0.05%	99.61%
83.0	11.742	1.294	2434.156	0.05%	99.66%
84.0	11.424	1.262	2435.418	0.05%	99.71%
85.0	11.181	1.234	2436.652	0.05%	99.76%
86.0	10.918	1.208	2437.86	0.05%	99.81%
87.0	10.697	1.183	2439.043	0.05%	99.86%
88.0	10.483	1.160	2440.203	0.05%	99.91%
89.0	10.268	1.137	2441.341	0.04%	99.95%
90.0	10.206	1.123	2442.463	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2161.68	84.33%	88.50%
0-40	2333.25	91.03%	95.53%
0-60	2394.07	93.40%	98.02%
0-90	2441.34	95.25%	99.95%
0-120	2441.34	95.25%	99.95%
0-180	2442.46	95.29%	100.00%
60-90	47.27	1.84%	1.94%
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%
0-25.07	1953.97	76.23%	80.00%

ZONAL LUMEN SUMMARY

0-10	806.90
10-20	852.77
20-30	502.01
30-40	171.58
40-50	37.96
50-60	22.86
60-70	20.60
70-80	15.50
80-90	11.17
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



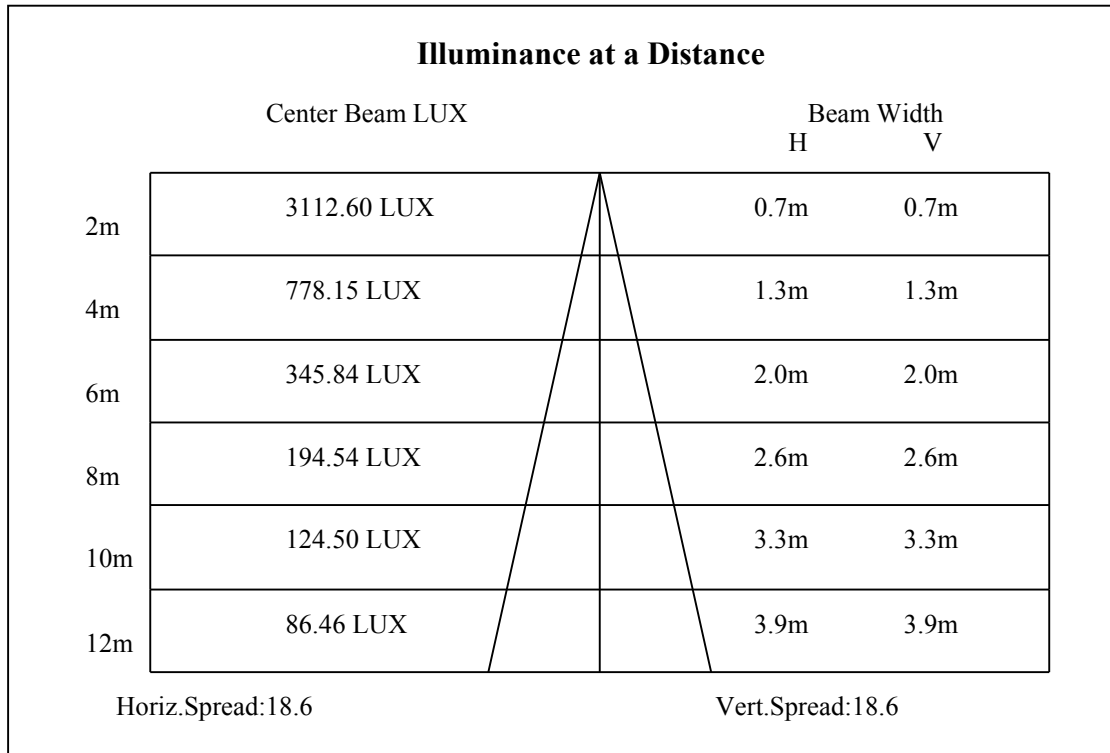
C0(Max): —————

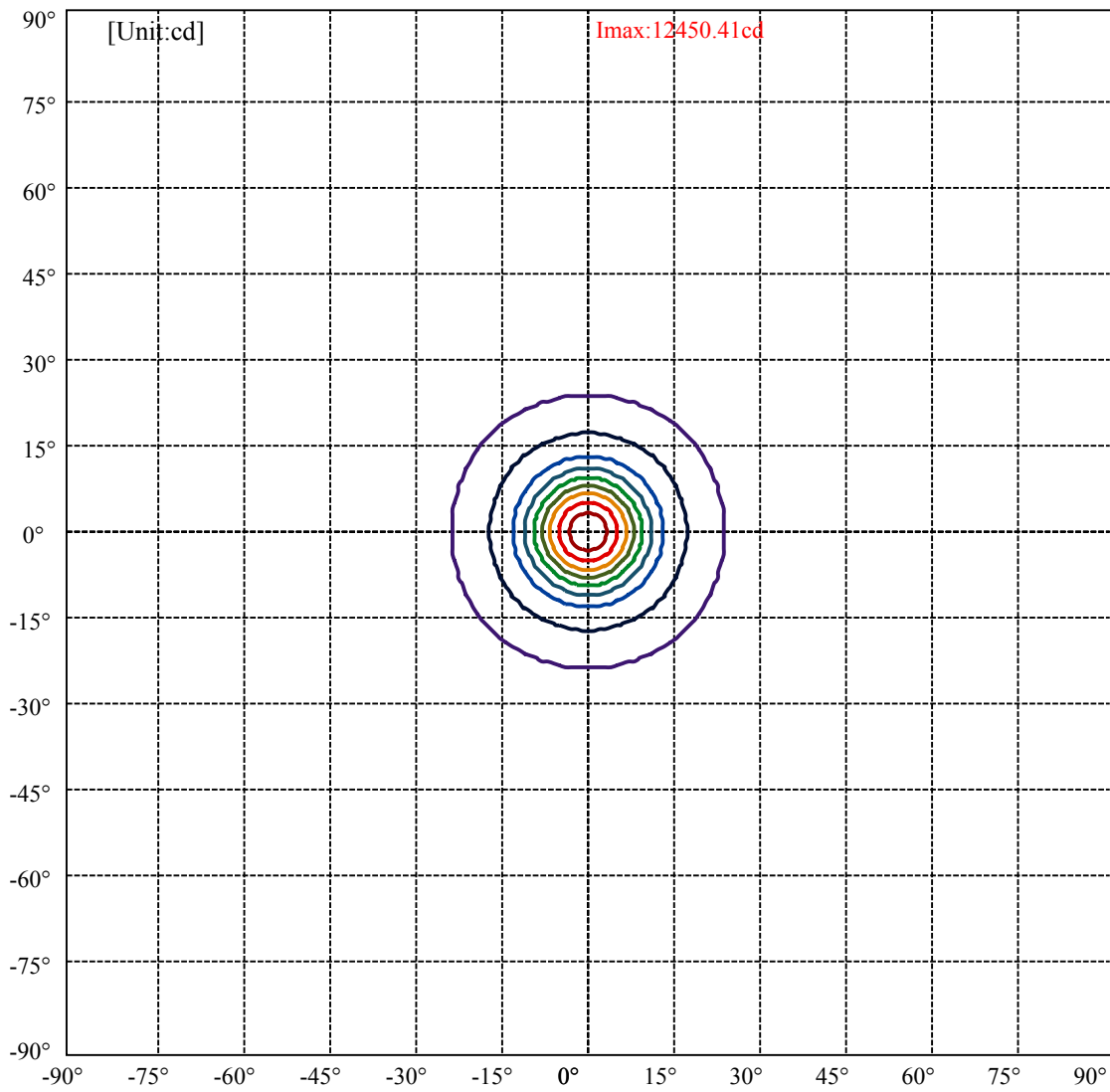
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:23.5 Right:23.5  
:C90/270Left:23.5 Right:23.5

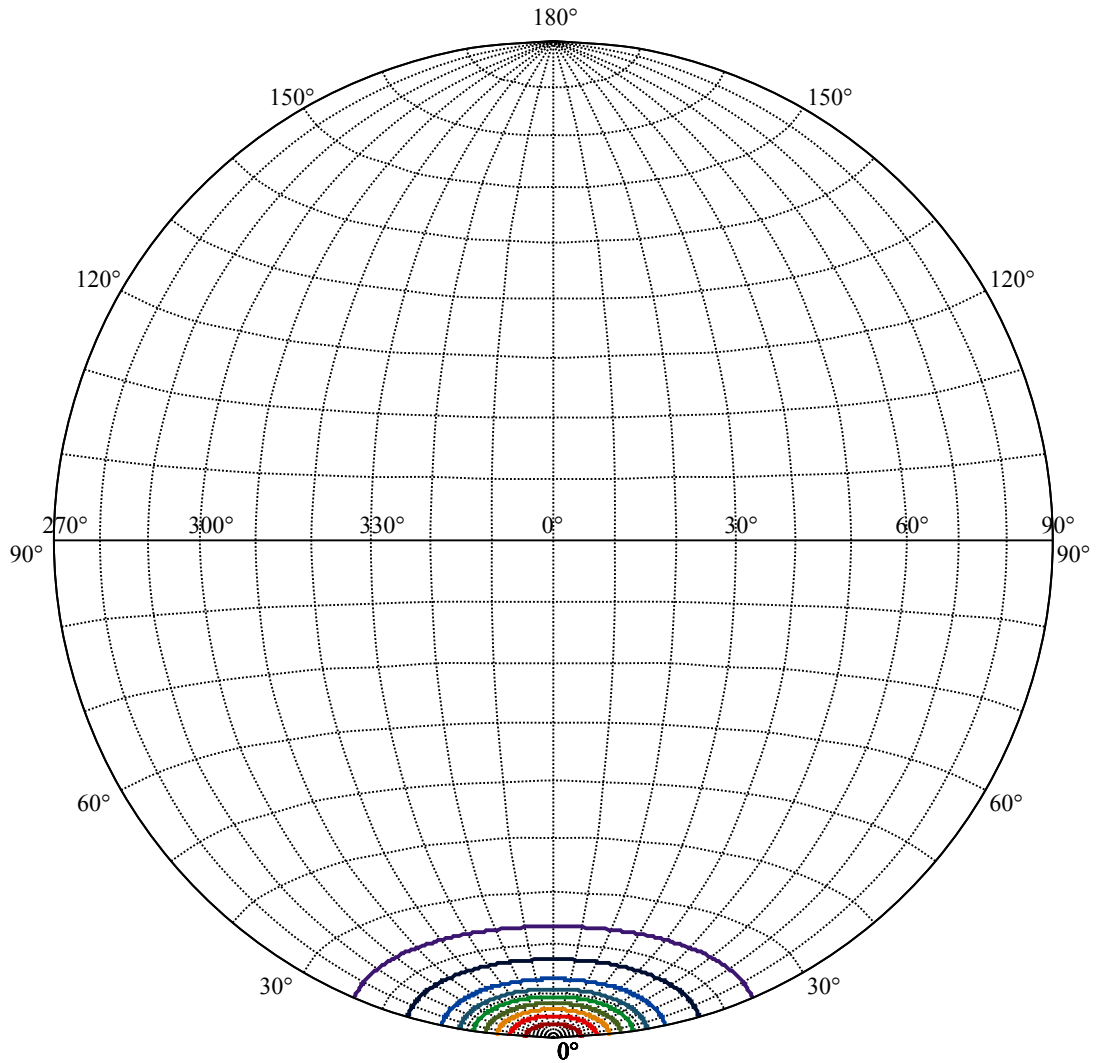
Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3  
:C90/270Left:9.3 Right:9.3





(10%Imax) 1245.04	—
(20%Imax) 2490.08	—
(30%Imax) 3735.12	—
(40%Imax) 4980.16	—
(50%Imax) 6225.2	—
(60%Imax) 7470.25	—
(70%Imax) 8715.29	—
(80%Imax) 9960.33	—
(90%Imax) 11205.4	—





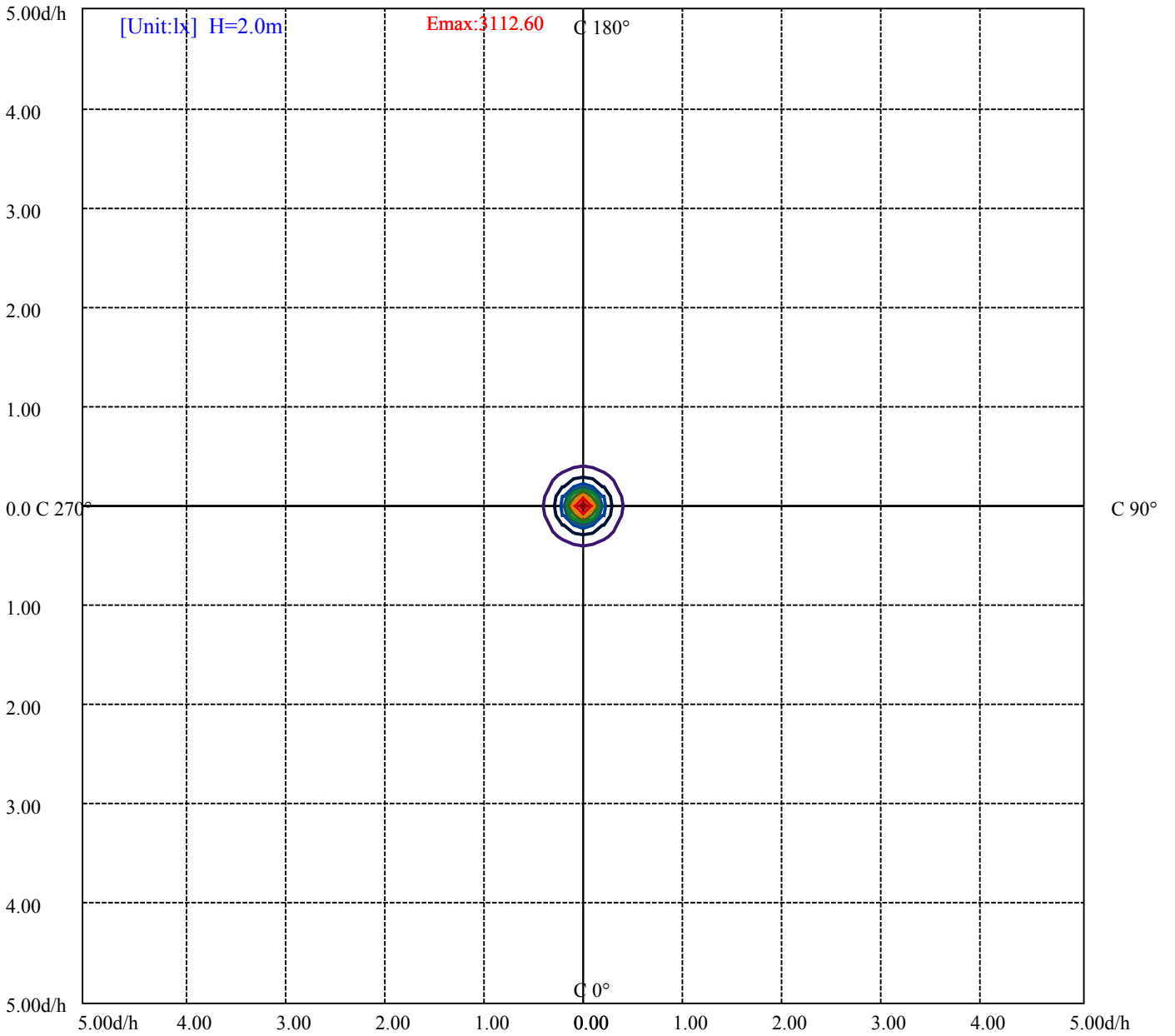
House

[Unit:cd]

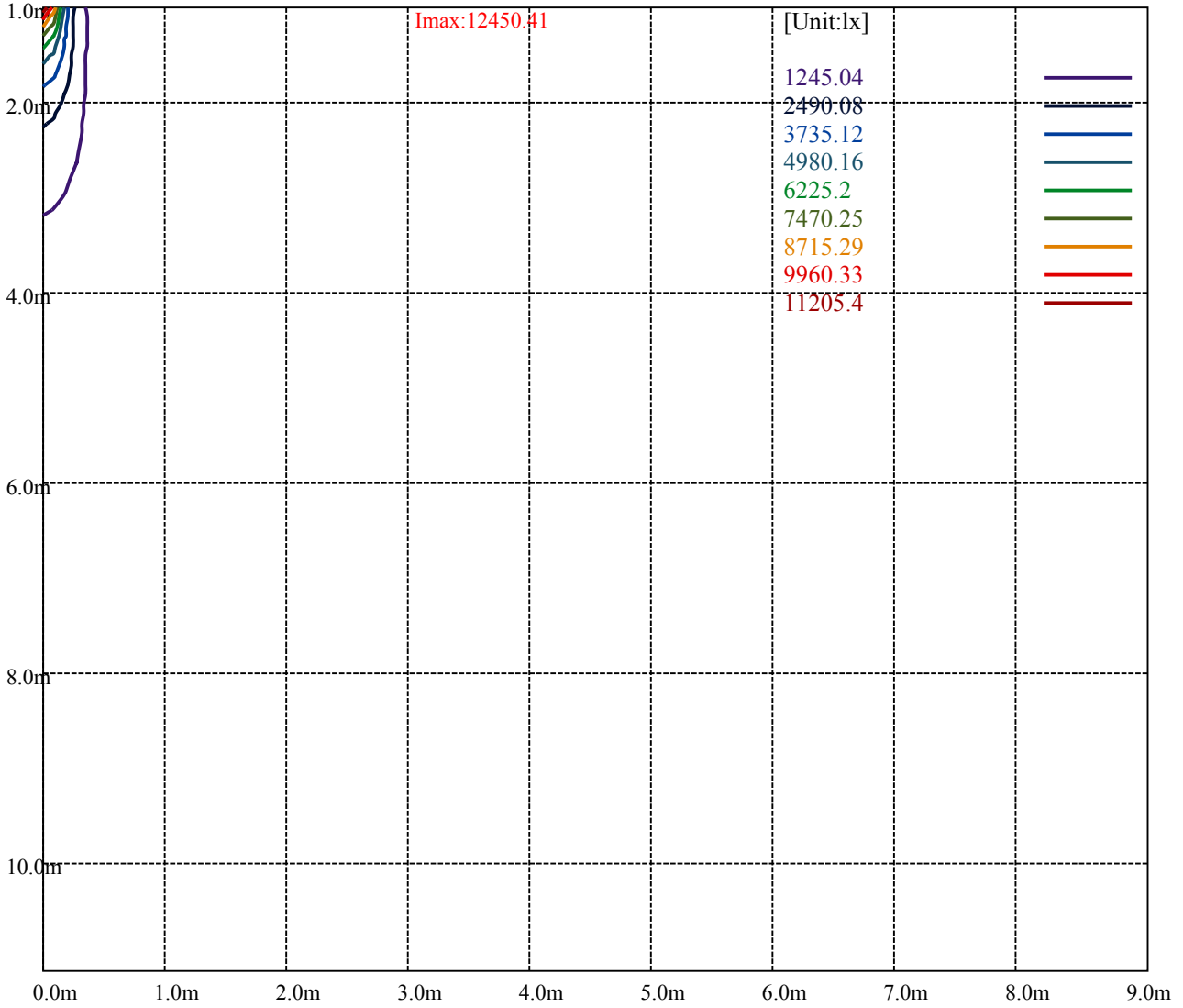
Road

**Imax:12450.41**

(10%Imax)	1245.04	—
(20%Imax)	2490.08	—
(30%Imax)	3735.12	—
(40%Imax)	4980.16	—
(50%Imax)	6225.2	—
(60%Imax)	7470.25	—
(70%Imax)	8715.29	—
(80%Imax)	9960.33	—
(90%Imax)	11205.4	—



- (10%Emax) 311.26
- (20%Emax) 622.5175
- (30%Emax) 933.7775
- (40%Emax) 1245.037
- (50%Emax) 1556.295
- (60%Emax) 1867.555
- (70%Emax) 2178.813
- (80%Emax) 2490.073
- (90%Emax) 2801.325



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

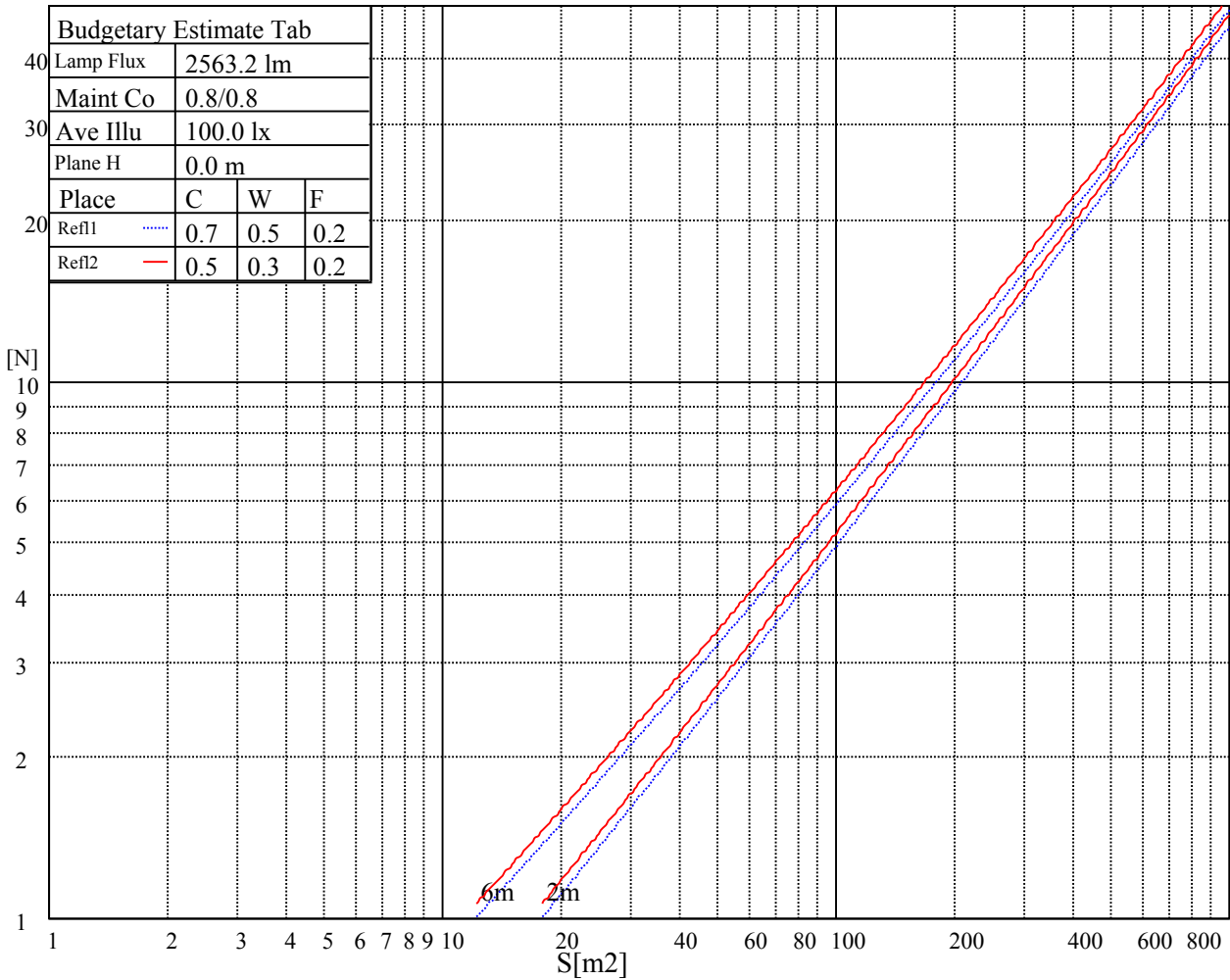
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

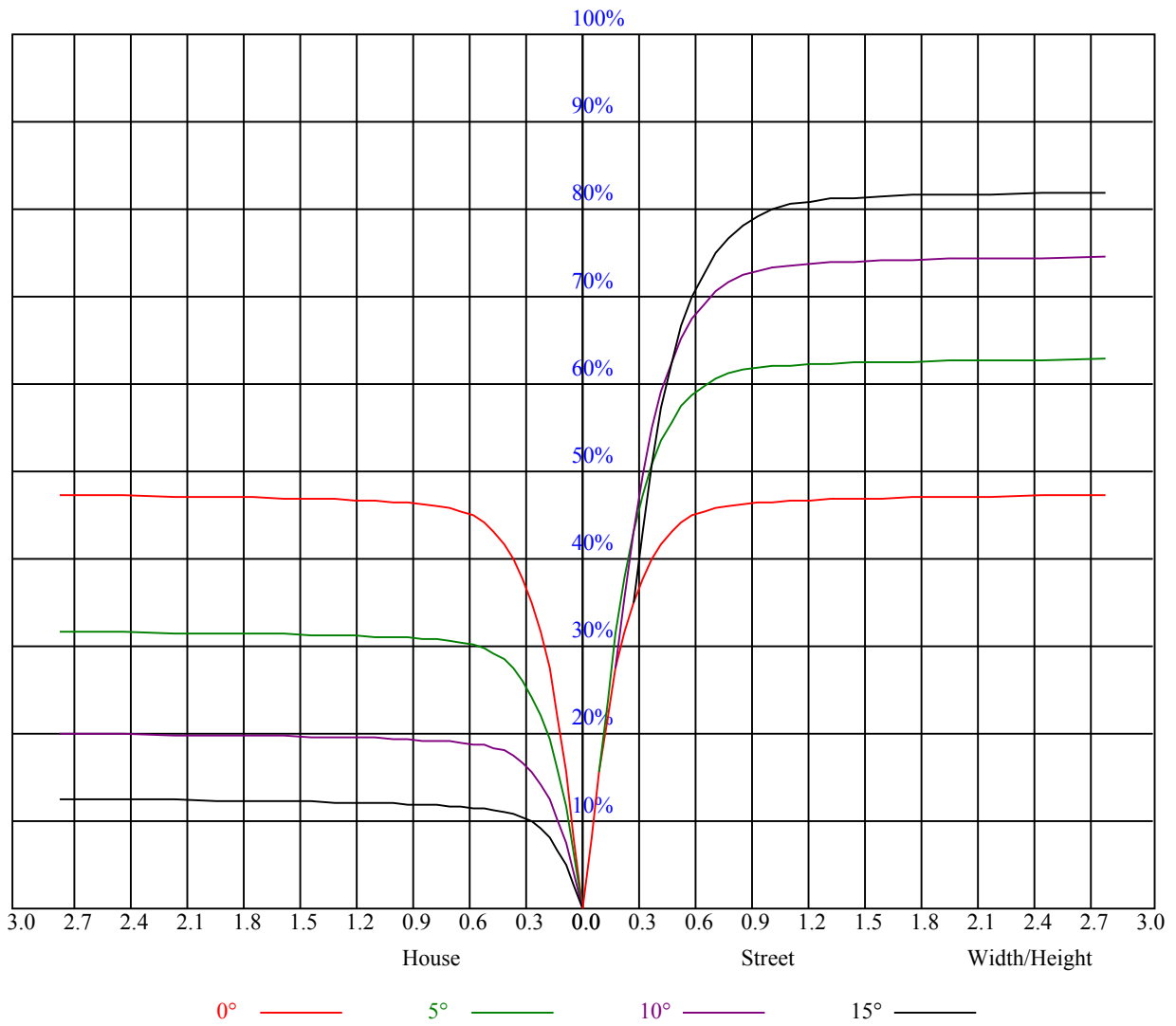


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.88	0.86	0.84	0.83
4	0.92	0.87	0.84	0.91	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.77
6	0.84	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
7	0.81	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
8	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
9	0.76	0.72	0.69	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.66	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





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	12377.06	10895.25	10895.25	10715.90	9753.86	8916.36	8052.84	7192.09	6132.63
45.0	12526.52	12382.60	12061.55	11447.12	10782.88	10035.61	9216.37	8142.51	7284.53
90.0	12410.28	11812.46	10948.39	10948.39	10036.16	9205.30	8145.84	7291.73	6443.16
135.0	12487.77	12349.39	12078.16	11579.97	10838.23	10102.03	9310.48	8458.03	7395.24
180.0	12377.06	12526.52	12404.74	12094.76	11640.86	10904.66	10196.13	9421.18	8557.67
225.0	12526.52	12377.06	11856.74	11019.24	10838.23	10108.12	9105.11	8214.47	7323.28
270.0	12410.28	12520.98	12404.74	12078.16	11480.34	10838.23	10113.10	9310.48	8214.47
315.0	12487.77	12393.67	11817.99	10923.48	10923.48	10187.83	9177.63	8292.52	7186.56
360.0	12377.06	10895.25	10895.25	10715.90	9753.86	8916.36	8052.84	7192.09	6132.63
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5371.51	4715.02	4134.91	3526.58	3147.41	2835.76	2566.75	2279.46	2090.71
45.0	6448.69	5651.60	4954.15	4206.87	3708.69	3288.00	2878.39	2800.89	2800.89
90.0	5647.73	4785.87	4193.59	3697.62	3289.11	2867.87	2586.12	2346.44	2149.93
135.0	6542.80	5579.64	4898.79	4295.44	3669.94	3265.86	2928.21	2856.25	2541.28
180.0	7472.74	6609.22	5812.13	5092.53	4306.51	3775.12	3359.96	2933.74	2861.78
225.0	6459.77	5493.84	4825.17	4231.78	3732.49	3228.22	2894.99	2619.89	2322.08
270.0	7323.28	6476.37	5518.75	4843.44	4240.09	3614.59	3232.65	2834.10	2834.10
315.0	6330.24	5557.50	4718.89	4147.65	3668.28	3178.96	2857.91	2594.42	2314.89
360.0	5371.51	4715.02	4134.91	3526.58	3147.41	2835.76	2566.75	2279.46	2090.71
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1873.72	1717.62	1574.81	1414.84	1218.89	1081.83	1081.83	955.79	857.37
45.0	2111.74	1939.04	1737.55	1596.95	1465.21	1346.20	1208.37	1104.86	1002.45
90.0	1926.86	1764.67	1613.00	1445.84	1239.37	1099.60	1072.48	974.72	874.37
135.0	2143.29	1964.50	1799.55	1614.11	1484.58	1363.36	1223.31	1119.25	1016.29
180.0	2861.78	2149.38	1968.93	1802.31	1612.45	1475.17	1356.16	1252.65	1120.91
225.0	2121.15	1899.74	1739.76	1595.84	1462.44	1315.76	1081.39	1081.39	1007.10
270.0	2533.53	2151.59	1935.16	1772.42	1621.86	1485.14	1339.56	1231.62	1124.79
315.0	2115.06	1940.14	1774.08	1625.74	1458.01	1337.34	1098.10	1098.10	998.52
360.0	1873.72	1717.62	1574.81	1414.84	1218.89	1081.83	1081.83	955.79	857.37
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	757.96	665.02	558.13	481.24	410.00	345.24	275.55	229.05	180.56
45.0	897.28	772.18	676.42	589.52	512.02	420.69	354.26	295.59	282.30
90.0	752.64	659.15	572.52	477.42	408.84	347.51	291.49	231.77	191.08
135.0	888.98	789.34	672.55	586.75	508.70	435.08	352.05	295.03	281.20
180.0	1021.27	921.08	823.11	705.20	611.66	529.18	435.63	369.76	297.25
225.0	889.14	794.93	702.82	612.43	508.87	436.91	370.76	299.02	250.42
270.0	1021.83	900.60	805.95	710.74	590.62	508.70	424.01	358.14	308.87
315.0	900.55	779.16	685.44	573.52	495.53	423.01	356.98	300.57	238.41
360.0	757.96	665.02	558.13	481.24	410.00	345.24	275.55	229.05	180.56
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	149.62	124.66	99.75	85.08	72.79	62.72	52.97	47.38	43.01
45.0	222.91	147.02	121.11	100.63	85.36	71.24	62.22	54.97	49.15
90.0	158.75	132.07	105.61	89.56	73.79	63.55	55.69	48.60	44.34
135.0	281.20	153.27	125.65	104.06	87.40	72.40	63.16	55.74	48.55
180.0	283.96	283.96	166.78	131.63	109.99	91.89	77.83	63.60	55.19
225.0	199.00	166.01	138.27	115.47	92.72	78.21	66.87	58.07	50.10
270.0	283.96	283.96	167.94	138.44	115.97	91.67	77.38	65.82	57.35
315.0	197.06	163.18	134.79	107.11	90.00	73.79	64.10	56.52	49.26
360.0	149.62	124.66	99.75	85.08	72.79	62.72	52.97	47.38	43.01

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	39.63	36.20	33.77	31.77	29.67	28.17	26.74	25.68	24.85
45.0	43.62	40.30	37.36	34.93	32.33	30.56	28.73	27.51	26.46
90.0	40.91	37.97	34.93	32.82	31.05	29.56	28.01	26.96	26.13
135.0	44.12	39.97	37.14	34.76	32.71	30.56	29.12	27.84	26.79
180.0	48.99	44.28	39.69	36.87	34.37	31.77	30.06	28.62	27.07
225.0	45.50	41.68	37.86	35.32	33.10	30.89	29.39	28.06	26.68
270.0	49.82	45.28	41.57	37.86	35.26	32.66	30.83	29.34	28.01
315.0	44.67	40.96	37.31	34.82	32.71	30.89	28.95	27.62	26.51
360.0	39.63	36.20	33.77	31.77	29.67	28.17	26.74	25.68	24.85
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.02	23.53	23.14	22.92	22.75	22.69	22.58	22.42	22.25
45.0	25.46	24.74	24.24	23.86	23.53	23.36	23.36	23.08	22.86
90.0	25.24	24.69	24.13	23.91	23.75	23.69	23.41	23.08	22.81
135.0	25.68	24.91	24.36	23.91	23.53	23.36	23.36	23.14	22.97
180.0	26.07	25.08	24.36	23.86	23.47	23.14	23.03	22.92	22.75
225.0	25.85	25.13	24.47	24.08	23.80	23.64	23.58	23.30	23.08
270.0	26.68	25.79	25.13	24.58	24.08	23.86	23.75	23.69	23.53
315.0	25.57	24.69	24.08	23.64	23.25	23.14	23.03	22.86	22.75
360.0	24.02	23.53	23.14	22.92	22.75	22.69	22.58	22.42	22.25
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.70	20.81	19.98	19.21	18.10	17.38	16.83	16.16	15.55
45.0	22.58	22.09	21.03	20.31	19.65	18.43	17.60	16.88	16.33
90.0	22.36	21.31	20.54	19.82	18.60	17.82	17.16	16.44	15.94
135.0	22.75	22.20	21.42	20.76	19.76	18.71	17.88	17.21	16.44
180.0	22.53	22.25	21.86	21.09	20.15	19.37	18.27	17.55	16.88
225.0	22.81	22.14	21.20	20.48	19.43	18.49	17.55	16.88	16.33
270.0	23.30	23.03	22.42	21.31	20.48	19.60	18.60	17.71	17.10
315.0	22.53	22.03	21.26	20.48	19.48	18.54	17.77	17.16	16.55
360.0	21.70	20.81	19.98	19.21	18.10	17.38	16.83	16.16	15.55
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.17	14.78	14.45	14.00	13.67	13.34	13.01	12.62	12.34
45.0	15.83	15.39	14.95	14.56	14.23	13.89	13.45	13.12	12.84
90.0	15.50	15.06	14.67	14.34	13.89	13.56	13.17	12.84	12.45
135.0	15.94	15.50	15.06	14.67	14.23	13.84	13.51	13.12	12.79
180.0	16.16	15.61	15.22	14.89	14.39	14.06	13.67	13.40	13.01
225.0	15.83	15.33	14.95	14.56	14.23	13.78	13.45	13.12	12.73
270.0	16.55	16.05	15.50	15.17	14.78	14.34	13.95	13.62	13.17
315.0	15.89	15.44	14.95	14.56	14.23	13.78	13.45	13.12	12.73
360.0	15.17	14.78	14.45	14.00	13.67	13.34	13.01	12.62	12.34
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.01	11.68	11.40	11.13	10.90	10.68	10.46	10.30	10.24
45.0	12.51	12.07	11.68	11.40	11.13	10.90	10.68	10.46	10.24
90.0	12.12	11.79	11.51	11.18	11.02	10.74	10.52	10.35	10.19
135.0	12.51	12.07	11.73	11.51	11.24	10.96	10.74	10.52	10.24
180.0	12.62	12.29	11.96	11.57	11.40	11.07	10.79	10.63	10.41
225.0	12.40	12.07	11.73	11.46	11.13	10.90	10.68	10.46	10.19
270.0	12.84	12.51	12.12	11.73	11.46	11.18	10.96	10.68	10.46
315.0	12.40	12.07	11.79	11.40	11.18	10.90	10.74	10.46	10.19
360.0	12.01	11.68	11.40	11.13	10.90	10.68	10.46	10.30	10.24

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>10.24</b>
<b>45.0</b>	<b>10.19</b>
<b>90.0</b>	<b>10.19</b>
<b>135.0</b>	<b>10.19</b>
<b>180.0</b>	<b>10.19</b>
<b>225.0</b>	<b>10.19</b>
<b>270.0</b>	<b>10.24</b>
<b>315.0</b>	<b>10.24</b>
<b>360.0</b>	<b>10.24</b>