



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: 3-2808-L

Luminaire: 92.70.411.00

Report No: 2024408-B020

Ballast type: AC

Test No: 2024408-C020

Voltage(V): 34.930

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.401

Lamp flux(lm): 2378.0

Power (W): 14.006

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1991.13, Efficiency(%): 83.73% , Luminous Efficacy(lm/W): 142.16

Central intensity(cd): 3754.277, Maximum intensity(cd): 3754.277

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

Beam Angle(50%Imax): [C0/180]Total=42.8

[C90/270]Total=42.8

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

[C90/270]Total=65.8

Maximum s/h(1/2): C0\_180=0.70 C90\_270=0.70

Maximum s/h(1/4): C0\_180=0.67 C90\_270=0.67

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.73%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.267%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/08  
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	3754.277	0.000	0	0.00%	0.00%
1.0	3751.717	3.591	3.591	0.15%	0.18%
2.0	3740.085	10.753	14.344	0.45%	0.72%
3.0	3724.796	17.854	32.198	0.75%	1.62%
4.0	3702.997	24.863	57.061	1.05%	2.87%
5.0	3671.102	31.723	88.784	1.33%	4.46%
6.0	3631.380	38.376	127.161	1.61%	6.39%
7.0	3587.488	44.807	171.968	1.88%	8.64%
8.0	3535.476	50.978	222.946	2.14%	11.20%
9.0	3475.051	56.817	279.762	2.39%	14.05%
10.0	3402.045	62.235	341.997	2.62%	17.18%
11.0	3306.433	67.031	409.029	2.82%	20.54%
12.0	3211.773	71.253	480.282	3.00%	24.12%
13.0	3097.874	74.880	555.162	3.15%	27.88%
14.0	2979.951	77.796	632.957	3.27%	31.79%
15.0	2855.664	80.114	713.071	3.37%	35.81%
16.0	2720.550	81.707	794.779	3.44%	39.92%
17.0	2568.757	82.369	877.147	3.46%	44.05%
18.0	2422.744	82.299	959.446	3.46%	48.19%
19.0	2267.147	81.595	1041.041	3.43%	52.28%
20.0	2094.140	79.824	1120.864	3.36%	56.29%
21.0	1938.543	77.436	1198.3	3.26%	60.18%
22.0	1787.263	74.872	1273.172	3.15%	63.94%
23.0	1604.416	71.167	1344.338	2.99%	67.52%
24.0	1469.229	67.201	1411.539	2.83%	70.89%
25.0	1323.772	63.507	1475.046	2.67%	74.08%
26.0	1185.863	59.240	1534.286	2.49%	77.06%
27.0	1081.437	55.470	1589.756	2.33%	79.84%
28.0	946.141	51.334	1641.09	2.16%	82.42%
29.0	826.842	46.386	1687.477	1.95%	84.75%
30.0	694.501	41.076	1728.552	1.73%	86.81%
31.0	580.492	35.481	1764.034	1.49%	88.59%
32.0	466.373	29.991	1794.025	1.26%	90.10%
33.0	369.123	24.614	1818.639	1.04%	91.34%
34.0	293.373	20.049	1838.688	0.84%	92.34%
35.0	228.384	16.204	1854.892	0.68%	93.16%
36.0	156.277	12.248	1867.14	0.52%	93.77%
37.0	104.806	8.515	1875.655	0.36%	94.20%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	65.421	5.682	1881.337	0.24%	94.49%
39.0	54.799	4.103	1885.44	0.17%	94.69%
40.0	48.303	3.596	1889.036	0.15%	94.87%
41.0	44.016	3.287	1892.324	0.14%	95.04%
42.0	40.556	3.073	1895.396	0.13%	95.19%
43.0	37.813	2.903	1898.299	0.12%	95.34%
44.0	35.399	2.763	1901.062	0.12%	95.48%
45.0	33.358	2.642	1903.705	0.11%	95.61%
46.0	31.573	2.539	1906.244	0.11%	95.74%
47.0	29.920	2.446	1908.69	0.10%	95.86%
48.0	28.610	2.366	1911.056	0.10%	95.98%
49.0	27.308	2.296	1913.352	0.10%	96.09%
50.0	26.262	2.234	1915.586	0.09%	96.21%
51.0	25.355	2.184	1917.77	0.09%	96.32%
52.0	24.572	2.142	1919.912	0.09%	96.42%
53.0	23.936	2.110	1922.022	0.09%	96.53%
54.0	23.402	2.086	1924.109	0.09%	96.63%
55.0	22.985	2.071	1926.179	0.09%	96.74%
56.0	22.751	2.067	1928.246	0.09%	96.84%
57.0	22.677	2.077	1930.323	0.09%	96.95%
58.0	22.729	2.100	1932.423	0.09%	97.05%
59.0	22.816	2.129	1934.552	0.09%	97.16%
60.0	22.941	2.162	1936.714	0.09%	97.27%
61.0	22.999	2.192	1938.906	0.09%	97.38%
62.0	22.977	2.215	1941.121	0.09%	97.49%
63.0	22.846	2.229	1943.35	0.09%	97.60%
64.0	22.604	2.230	1945.58	0.09%	97.71%
65.0	22.122	2.213	1947.794	0.09%	97.82%
66.0	21.478	2.175	1949.969	0.09%	97.93%
67.0	20.827	2.127	1952.096	0.09%	98.04%
68.0	20.234	2.080	1954.176	0.09%	98.14%
69.0	19.912	2.048	1956.224	0.09%	98.25%
70.0	19.920	2.046	1958.27	0.09%	98.35%
71.0	20.110	2.069	1960.339	0.09%	98.45%
72.0	20.249	2.099	1962.437	0.09%	98.56%
73.0	20.344	2.123	1964.56	0.09%	98.67%
74.0	20.615	2.153	1966.713	0.09%	98.77%
75.0	20.819	2.189	1968.903	0.09%	98.88%

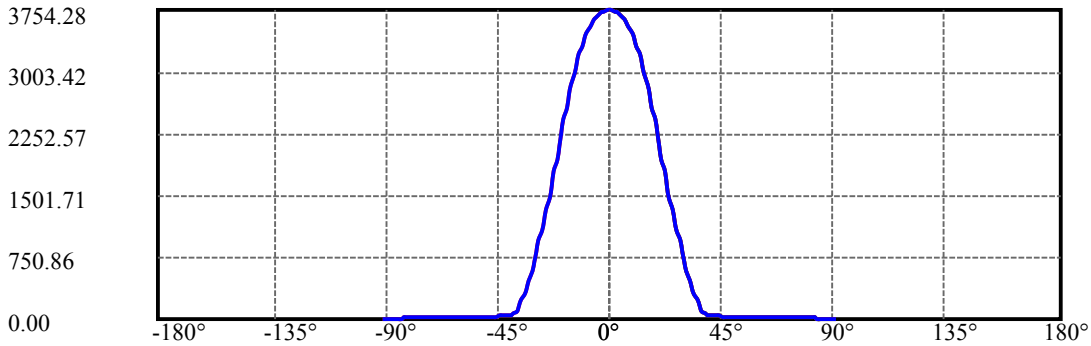
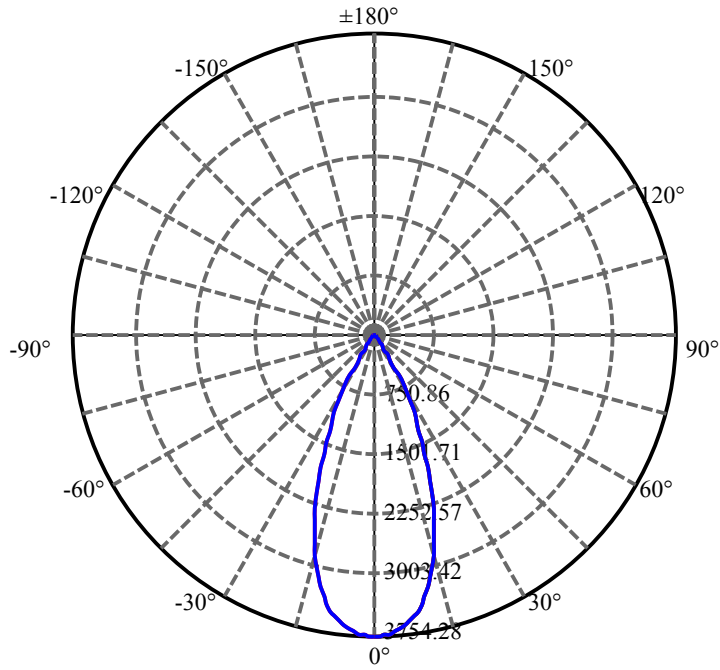
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.680	2.203	1971.106	0.09%	98.99%
77.0	20.329	2.186	1973.292	0.09%	99.10%
78.0	19.715	2.144	1975.436	0.09%	99.21%
79.0	18.749	2.067	1977.502	0.09%	99.32%
80.0	17.286	1.943	1979.445	0.08%	99.41%
81.0	15.348	1.765	1981.21	0.07%	99.50%
82.0	12.955	1.535	1982.745	0.06%	99.58%
83.0	10.900	1.297	1984.041	0.05%	99.64%
84.0	10.102	1.144	1985.186	0.05%	99.70%
85.0	9.532	1.072	1986.257	0.05%	99.76%
86.0	9.181	1.023	1987.28	0.04%	99.81%
87.0	8.859	0.987	1988.267	0.04%	99.86%
88.0	8.720	0.963	1989.23	0.04%	99.90%
89.0	8.647	0.952	1990.182	0.04%	99.95%
90.0	8.610	0.946	1991.128	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1728.55	72.69%	86.81%
0-40	1889.04	79.44%	94.87%
0-60	1936.71	81.44%	97.27%
0-90	1990.18	83.69%	99.95%
0-120	1990.18	83.69%	99.95%
0-180	1991.13	83.73%	100.00%
60-90	53.47	2.25%	2.69%
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%
0-27.06	1592.90	66.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	342.00
10-20	778.87
20-30	607.69
30-40	160.48
40-50	26.55
50-60	21.13
60-70	21.56
70-80	21.18
80-90	10.74
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: ———

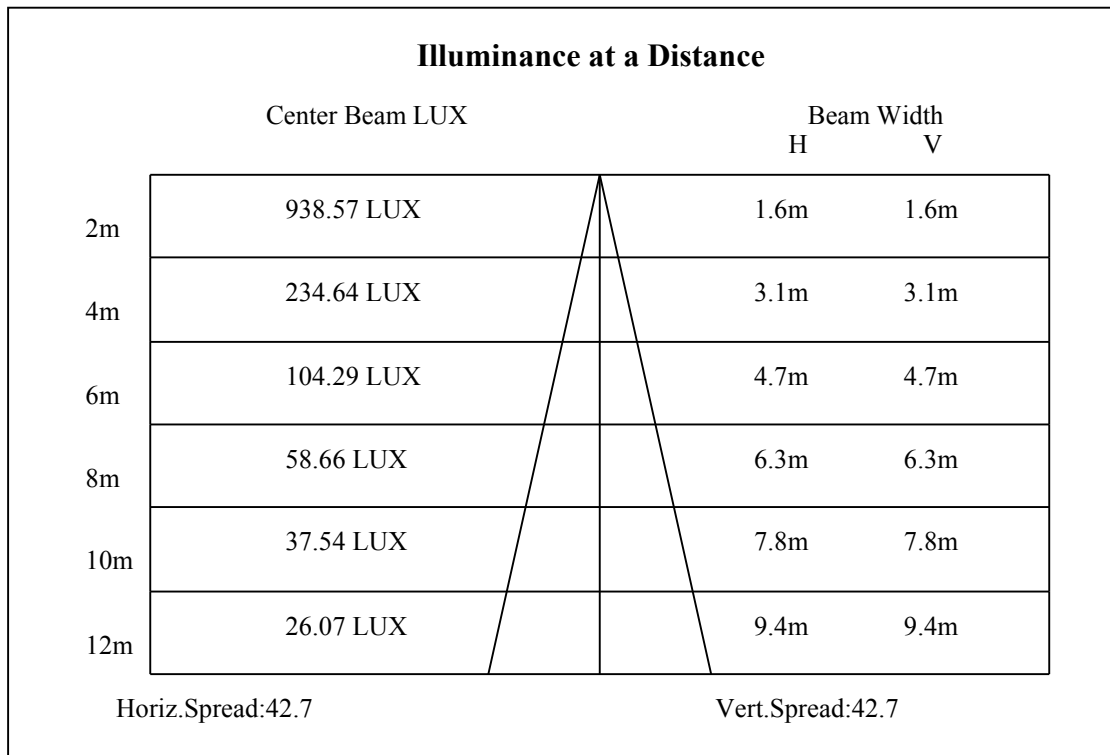
C90/C270: ———

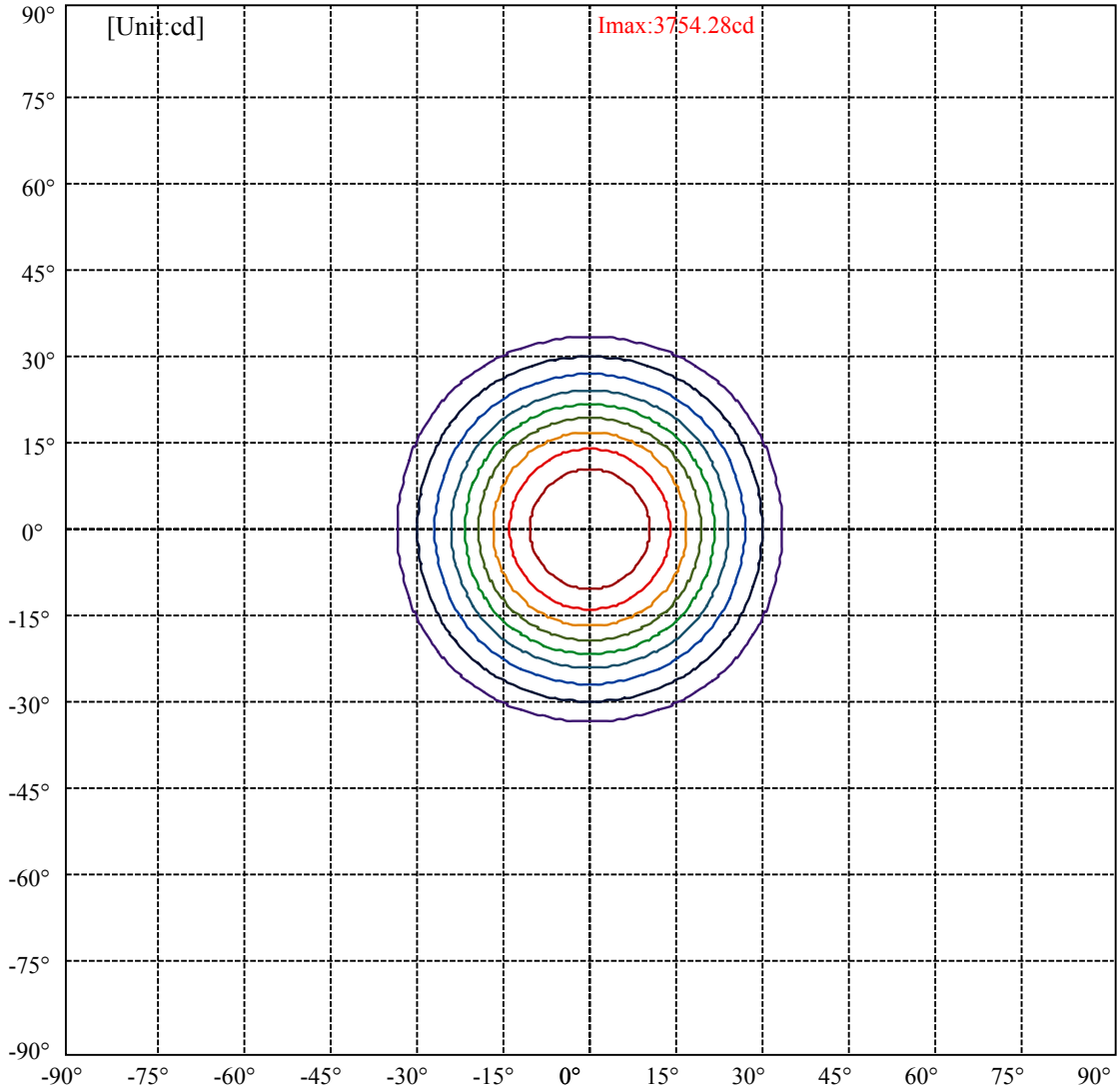
Field angle(10%Imax):C0/180Left:32.9 Right:32.9

:C90/270Left:32.9 Right:32.9

Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4

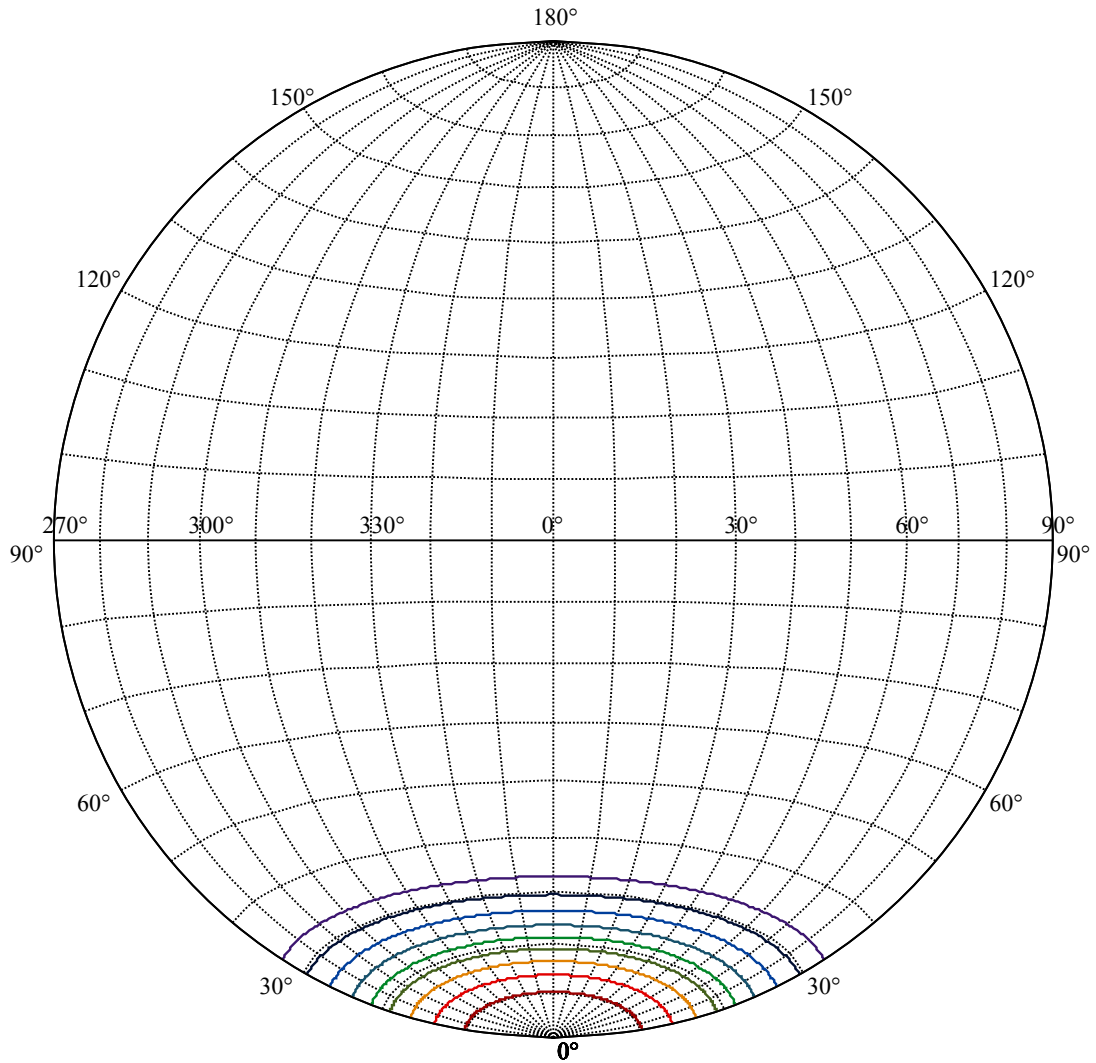
:C90/270Left:21.4 Right:21.4





(10%I <sub>max</sub> ) 375.428	—
(20%I <sub>max</sub> ) 750.855	—
(30%I <sub>max</sub> ) 1126.28	—
(40%I <sub>max</sub> ) 1501.71	—
(50%I <sub>max</sub> ) 1877.14	—
(60%I <sub>max</sub> ) 2252.57	—
(70%I <sub>max</sub> ) 2627.99	—
(80%I <sub>max</sub> ) 3003.42	—
(90%I <sub>max</sub> ) 3378.85	—





House

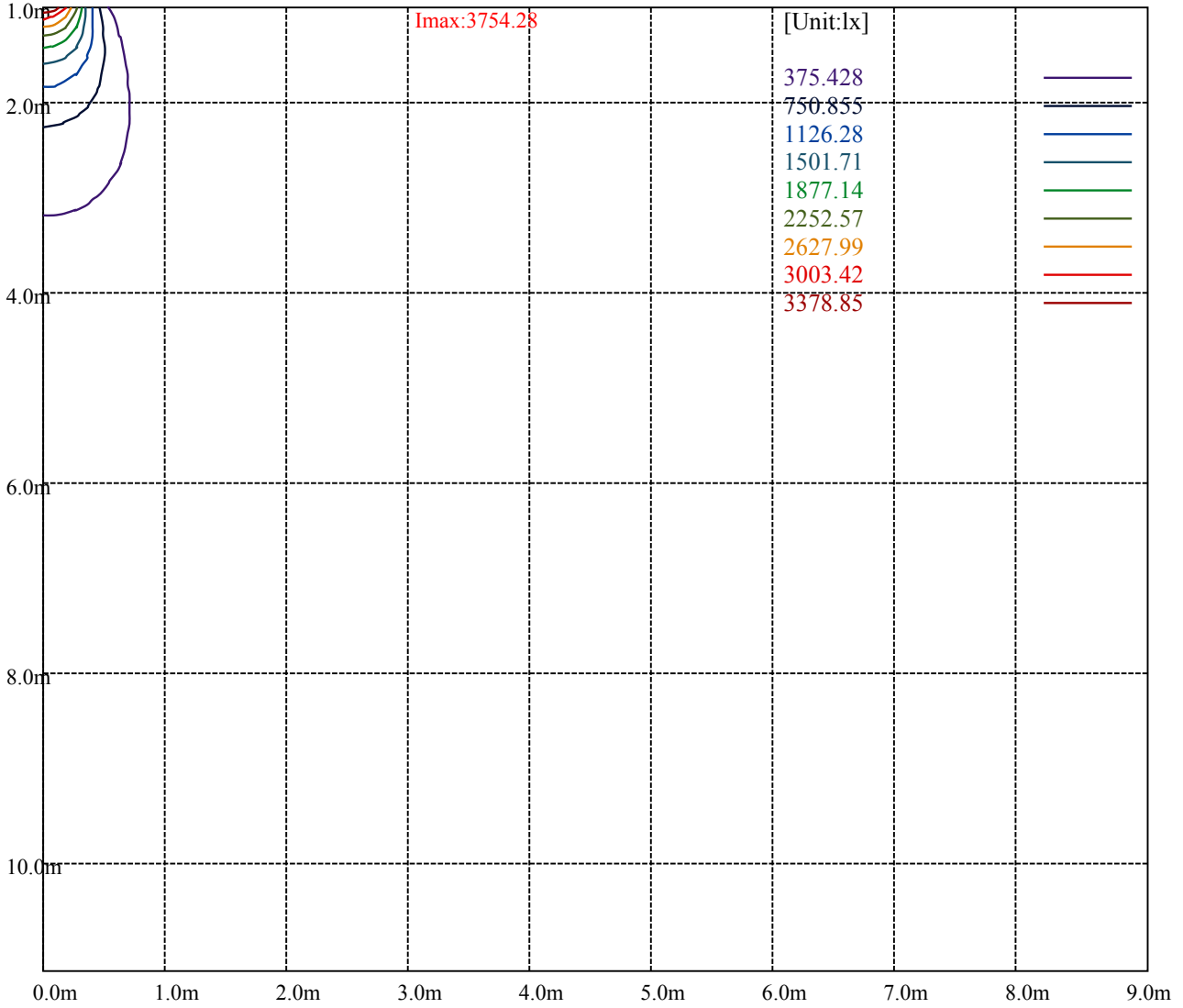
[Unit:cd]

Road

**Imax:3754.28**

(10%Imax)	375.428	—
(20%Imax)	750.855	—
(30%Imax)	1126.28	—
(40%Imax)	1501.71	—
(50%Imax)	1877.14	—
(60%Imax)	2252.57	—
(70%Imax)	2627.99	—
(80%Imax)	3003.42	—
(90%Imax)	3378.85	—





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

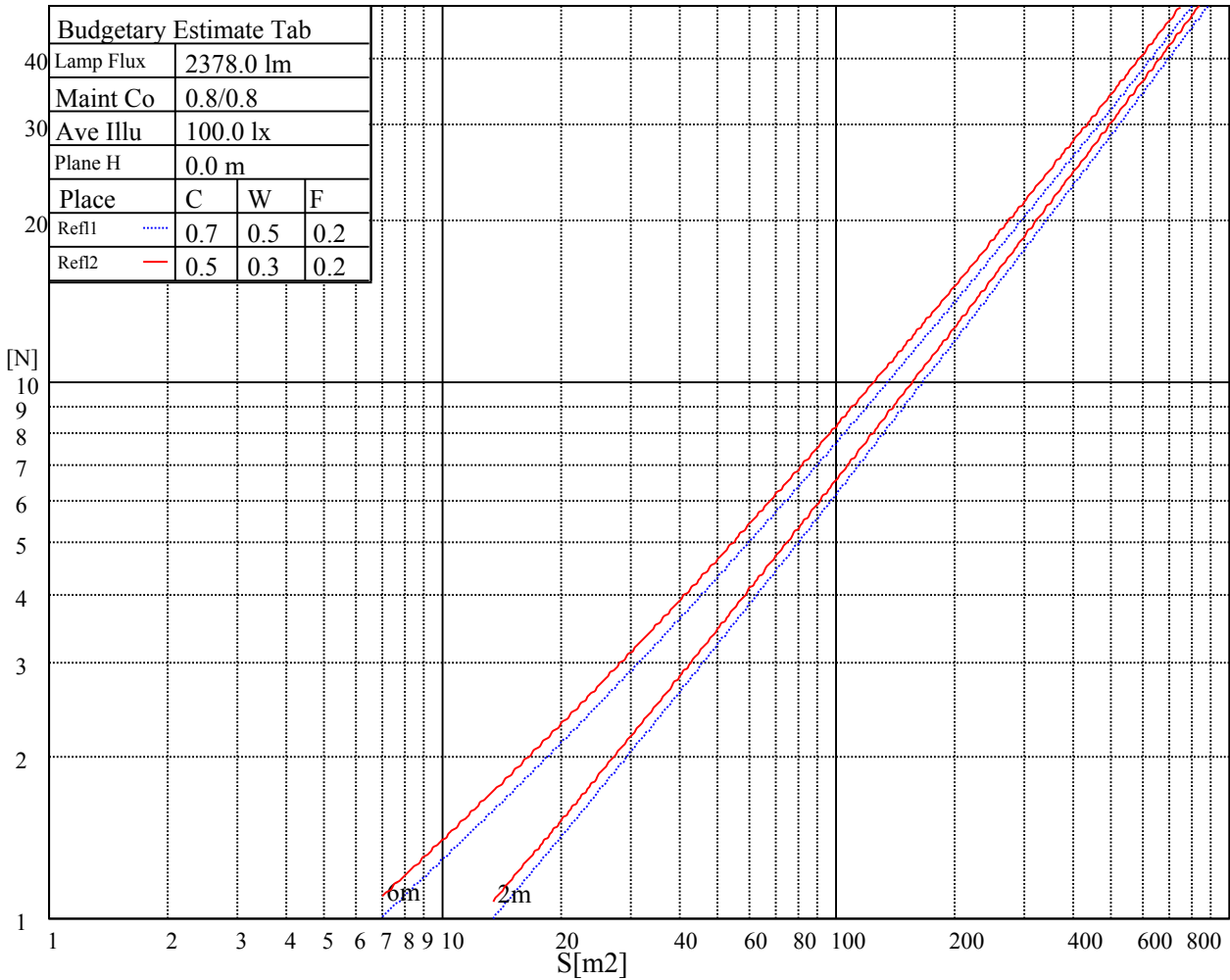
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

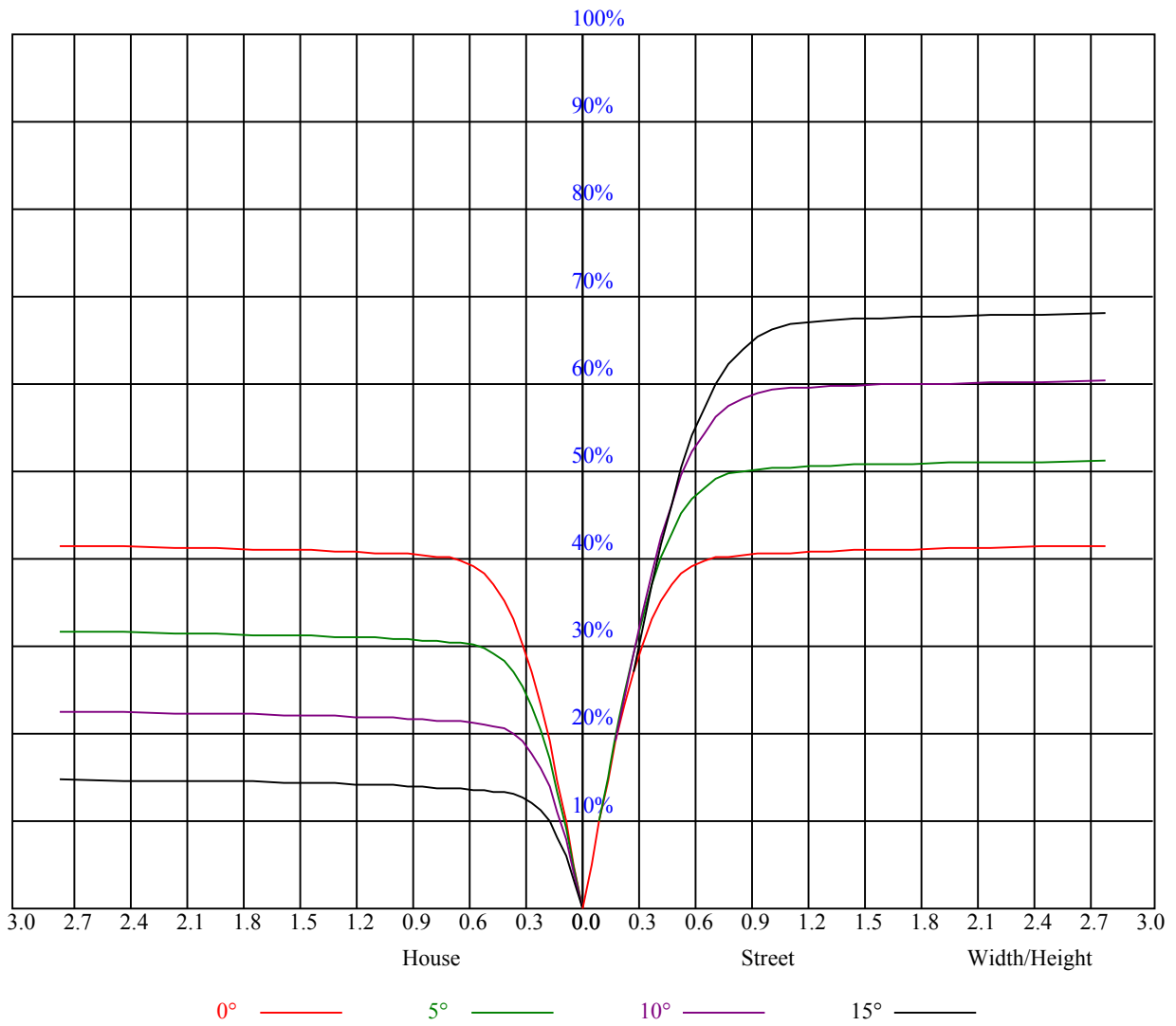


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

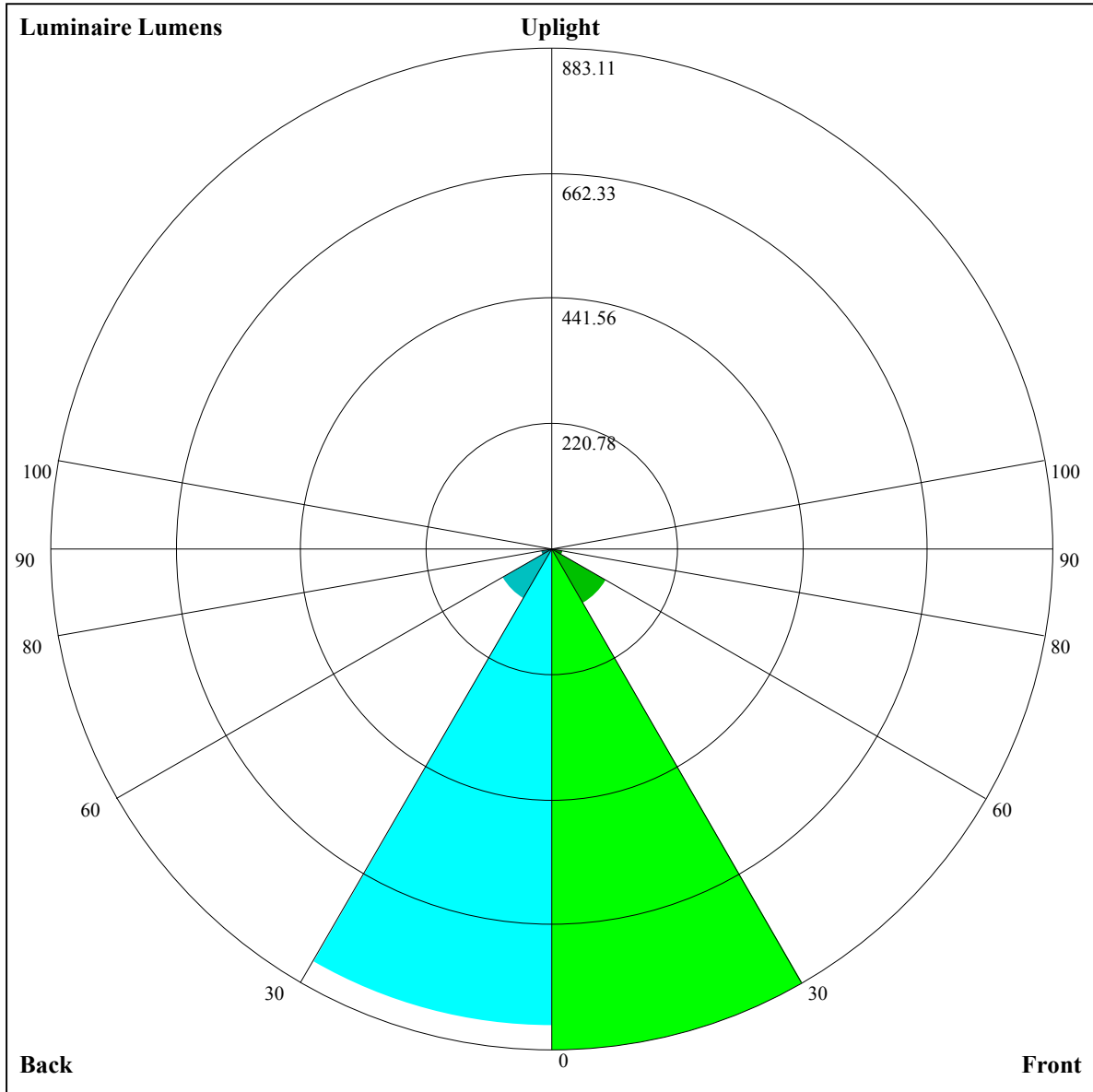
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.53	0.52
10	0.59	0.54	0.52	0.58	0.54	0.52	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.50







Luminaire Lumens:

FL=883.11,FM=111.83,FH=21.13,FVH=5.87

BL=841.9,BM=100.76,BH=20.77,BVH=5.78

UL=0,UH=0

BUG Rating:B2-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	3755.45	3753.69	3758.96	3749.01	3727.36	3701.61	3667.66	3634.31	3598.02
45.0	3754.86	3752.52	3755.45	3747.25	3745.50	3729.11	3694.58	3671.76	3644.25
90.0	3746.67	3751.35	3732.62	3721.50	3701.61	3674.69	3640.16	3599.19	3564.08
135.0	3760.13	3753.69	3747.25	3727.94	3713.90	3672.35	3640.74	3599.19	3554.13
180.0	3755.45	3752.52	3731.45	3713.90	3676.44	3644.25	3600.36	3559.98	3483.32
225.0	3754.86	3738.48	3709.21	3688.15	3655.96	3620.26	3557.06	3495.61	3401.97
270.0	3746.67	3754.86	3744.91	3725.60	3701.61	3662.98	3626.70	3567.00	3517.26
315.0	3760.13	3756.62	3740.82	3725.02	3701.61	3663.57	3623.77	3572.86	3520.77
360.0	3755.45	3753.69	3758.96	3749.01	3727.36	3701.61	3667.66	3634.31	3598.02
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3534.23	3475.71	3401.97	3318.87	3192.46	3082.44	2970.66	2843.67	2675.12
45.0	3606.21	3567.00	3489.76	3422.45	3333.50	3236.94	3129.84	2975.93	2857.13
90.0	3514.92	3462.83	3355.74	3263.27	3128.09	3012.21	2905.12	2744.76	2614.26
135.0	3499.70	3423.62	3345.79	3253.91	3140.96	3029.18	2917.41	2802.12	2644.11
180.0	3420.70	3340.52	3238.69	3136.86	3030.94	2896.92	2778.12	2645.86	2472.05
225.0	3317.70	3222.31	3095.90	2985.88	2864.15	2745.93	2577.97	2439.28	2285.95
270.0	3455.23	3369.20	3254.49	3152.08	3042.06	2929.11	2783.97	2657.57	2523.55
315.0	3451.72	3355.15	3269.13	3160.86	3050.84	2906.87	2782.22	2655.22	2477.90
360.0	3534.23	3475.71	3401.97	3318.87	3192.46	3082.44	2970.66	2843.67	2675.12
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2539.35	2394.21	2205.19	2048.93	1889.75	1706.57	1566.71	1432.69	1139.78
45.0	2727.79	2592.61	2419.38	2272.49	2122.67	1926.03	1779.14	1601.82	1465.46
90.0	2475.56	2301.16	2155.44	1995.09	1847.61	1672.05	1537.44	1324.42	1164.01
135.0	2508.33	2373.15	2191.73	2042.49	1886.82	1745.20	1601.23	1441.47	1320.33
180.0	2323.40	2165.39	2005.04	1818.35	1672.05	1533.93	1400.50	1262.97	1152.95
225.0	2135.54	1940.66	1787.92	1646.88	1473.66	1148.56	1148.56	1089.45	967.44
270.0	2345.64	2196.99	2006.21	1856.98	1713.60	1580.17	1423.33	1299.26	1169.92
315.0	2326.33	2173.00	1982.22	1827.13	1691.94	1522.81	1296.92	1138.09	1107.01
360.0	2539.35	2394.21	2205.19	2048.93	1889.75	1706.57	1566.71	1432.69	1139.78
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1139.78	1010.39	883.51	732.12	613.02	501.25	396.43	279.80	204.71
45.0	1336.71	1172.26	1042.34	918.86	791.87	644.98	540.81	442.49	347.68
90.0	1132.23	1002.20	873.04	729.72	619.99	491.12	398.54	309.29	225.25
135.0	1165.24	1042.93	924.13	767.87	655.51	549.00	426.69	334.22	312.57
180.0	1006.65	893.70	788.94	636.20	524.42	429.03	331.30	307.30	199.62
225.0	851.03	707.77	596.70	492.70	399.06	292.50	214.48	146.19	95.16
270.0	1041.17	893.70	776.65	661.36	554.27	433.13	341.24	300.28	300.28
315.0	978.67	846.18	729.42	617.18	485.80	389.99	303.50	227.42	141.80
360.0	1139.78	1010.39	883.51	732.12	613.02	501.25	396.43	279.80	204.71
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	129.04	87.14	64.96	55.54	49.86	45.53	41.43	38.86	36.64
45.0	304.38	304.38	103.12	70.05	57.18	51.15	46.41	41.84	39.21
90.0	140.28	90.36	64.90	56.71	49.22	44.77	41.32	38.80	35.99
135.0	312.57	97.50	68.65	58.82	52.32	46.17	42.49	39.68	36.81
180.0	98.32	68.53	57.59	51.03	46.29	42.49	38.92	36.58	34.41
225.0	64.55	56.77	50.68	45.00	41.55	38.92	36.11	34.12	31.84
270.0	108.15	69.35	56.65	50.39	44.83	41.32	38.68	36.34	33.94
315.0	92.93	64.43	56.83	50.86	45.18	41.79	39.09	36.28	34.35
360.0	129.04	87.14	64.96	55.54	49.86	45.53	41.43	38.86	36.64

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	34.59	32.36	30.84	29.50	28.21	26.80	25.87	25.16	24.35
45.0	36.40	34.47	32.77	31.13	29.32	28.09	26.92	25.93	24.93
90.0	33.94	31.66	30.08	28.79	27.27	26.22	25.34	24.52	23.76
135.0	34.76	33.01	30.96	29.61	27.97	26.92	25.98	25.16	24.58
180.0	32.13	30.55	28.91	27.62	26.63	25.63	24.76	24.11	23.58
225.0	30.26	28.91	27.62	26.28	25.40	24.64	23.94	23.17	22.77
270.0	32.19	30.61	28.79	27.74	26.57	25.63	24.81	23.94	23.47
315.0	32.60	31.02	29.38	28.21	27.10	26.16	25.22	24.58	24.05
360.0	34.59	32.36	30.84	29.50	28.21	26.80	25.87	25.16	24.35
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.88	23.29	23.12	23.12	23.17	23.35	23.53	23.64	23.64
45.0	24.23	23.70	23.12	22.71	22.59	22.65	22.94	23.12	23.23
90.0	23.23	22.77	22.59	22.41	22.41	22.47	22.53	22.53	22.47
135.0	23.94	23.47	23.17	23.00	23.06	22.94	23.06	23.12	23.12
180.0	23.12	22.65	22.47	22.30	22.30	22.41	22.59	22.59	22.53
225.0	22.41	22.24	22.18	22.36	22.53	22.59	22.53	22.41	22.30
270.0	22.94	22.59	22.41	22.36	22.47	22.65	22.71	22.82	22.82
315.0	23.47	23.17	22.94	23.17	23.29	23.47	23.64	23.76	23.70
360.0	23.88	23.29	23.12	23.12	23.17	23.35	23.53	23.64	23.64
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.58	23.35	23.00	22.47	22.18	22.65	23.41	24.93	25.57
45.0	23.23	23.17	23.00	22.65	22.06	21.30	20.42	19.02	18.26
90.0	22.36	22.24	21.83	21.30	20.48	19.49	18.38	17.79	17.15
135.0	22.94	22.88	22.71	22.06	21.36	20.31	19.49	18.67	18.20
180.0	22.47	22.18	21.65	21.13	21.01	21.83	23.29	25.22	27.21
225.0	22.00	21.48	20.54	19.49	18.61	17.85	16.97	16.39	16.04
270.0	22.65	22.41	21.77	21.01	20.07	18.79	18.08	17.38	17.21
315.0	23.53	23.12	22.47	21.71	20.83	19.66	19.25	19.96	21.24
360.0	23.58	23.35	23.00	22.47	22.18	22.65	23.41	24.93	25.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.52	24.93	24.76	24.58	23.58	23.12	22.06	21.01	19.55
45.0	17.67	17.03	16.68	16.33	16.09	15.80	15.57	15.27	14.81
90.0	16.68	16.33	16.50	16.68	17.03	17.03	16.97	16.21	15.22
135.0	18.20	19.02	20.42	21.59	22.00	22.41	22.18	21.65	20.19
180.0	28.03	28.62	29.03	29.03	28.79	27.68	26.74	25.28	23.41
225.0	15.68	15.51	15.45	15.27	14.92	14.40	13.75	13.05	11.82
270.0	17.32	17.50	17.91	18.38	18.49	18.26	17.50	16.50	15.10
315.0	22.88	23.82	24.17	24.70	24.52	23.94	22.94	21.01	18.20
360.0	25.52	24.93	24.76	24.58	23.58	23.12	22.06	21.01	19.55
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.14	14.57	11.59	10.53	9.95	9.60	9.01	8.84	8.66
45.0	14.40	13.87	12.93	11.47	10.36	9.89	9.13	8.95	8.78
90.0	14.10	12.35	10.89	10.07	9.36	9.07	8.90	8.78	8.66
135.0	18.26	14.92	11.65	10.36	9.66	9.13	8.90	8.72	8.66
180.0	20.31	15.51	10.07	9.71	9.13	8.84	8.72	8.54	8.60
225.0	10.53	9.89	9.60	9.25	8.90	8.78	8.60	8.60	8.60
270.0	12.76	11.00	10.01	9.60	9.36	9.01	8.78	8.66	8.60
315.0	14.28	11.53	10.48	9.83	9.54	9.13	8.84	8.66	8.60
360.0	18.14	14.57	11.59	10.53	9.95	9.60	9.01	8.84	8.66

Intensity data(cd)

C/γ(°)	90.0
0.0	8.60
45.0	8.66
90.0	8.60
135.0	8.60
180.0	8.54
225.0	8.60
270.0	8.60
315.0	8.66
360.0	8.60