



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: 2-2682-L

Luminaire: 92.70.411.00

Report No: 2024402-B011

Ballast type: AC

Test No: 2024402-C011

Voltage(V): 35.160

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2202.0

Power (W): 17.052

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1904.44, Efficiency(%): 86.49% , Luminous Efficacy(lm/W): 111.68

Central intensity(cd): 8453.635, Maximum intensity(cd): 8453.635

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

Beam Angle(50%Imax): [C0/180]Total=19.2

[C90/270]Total=19.2

Field angle(10%Imax): [C0/180]Total=52.4

[C90/270]Total=52.4

Maximum s/h(1/2): C0\_180=0.33 C90\_270=0.33

Maximum s/h(1/4): C0\_180=0.38 C90\_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.49%

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): 25.0

Date: 2024/4/02  
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	8453.634	0.000	0	0.00%	0.00%
1.0	8397.306	8.063	8.063	0.37%	0.42%
2.0	8213.984	23.842	31.905	1.08%	1.68%
3.0	7895.183	38.528	70.433	1.75%	3.70%
4.0	7415.444	51.250	121.682	2.33%	6.39%
5.0	6889.766	61.540	183.223	2.79%	9.62%
6.0	6274.036	69.179	252.402	3.14%	13.25%
7.0	5622.973	73.845	326.246	3.35%	17.13%
8.0	5037.675	76.296	402.543	3.46%	21.14%
9.0	4530.212	77.543	480.085	3.52%	25.21%
10.0	4022.237	77.397	557.482	3.51%	29.27%
11.0	3582.221	75.984	633.466	3.45%	33.26%
12.0	3223.551	74.397	707.863	3.38%	37.17%
13.0	2883.828	72.479	780.342	3.29%	40.97%
14.0	2573.439	69.853	850.194	3.17%	44.64%
15.0	2310.307	67.046	917.241	3.04%	48.16%
16.0	2059.173	64.025	981.266	2.91%	51.53%
17.0	1848.857	60.859	1042.124	2.76%	54.72%
18.0	1665.609	57.946	1100.07	2.63%	57.76%
19.0	1499.837	55.072	1155.143	2.50%	60.66%
20.0	1358.790	52.321	1207.463	2.38%	63.40%
21.0	1228.095	49.673	1257.137	2.26%	66.01%
22.0	1169.170	48.174	1305.311	2.19%	68.54%
23.0	1087.172	47.344	1352.655	2.15%	71.03%
24.0	1007.216	45.791	1398.446	2.08%	73.43%
25.0	935.380	44.170	1442.616	2.01%	75.75%
26.0	864.787	42.493	1485.109	1.93%	77.98%
27.0	787.011	40.412	1525.521	1.84%	80.10%
28.0	708.254	37.857	1563.378	1.72%	82.09%
29.0	635.115	35.146	1598.524	1.60%	83.94%
30.0	546.885	31.914	1630.438	1.45%	85.61%
31.0	470.104	28.301	1658.739	1.29%	87.10%
32.0	394.427	24.768	1683.507	1.12%	88.40%
33.0	331.420	21.384	1704.891	0.97%	89.52%
34.0	292.678	18.887	1723.778	0.86%	90.51%
35.0	244.763	16.691	1740.469	0.76%	91.39%
36.0	210.198	14.486	1754.955	0.66%	92.15%
37.0	180.930	12.756	1767.711	0.58%	92.82%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	146.709	10.936	1778.647	0.50%	93.39%
39.0	126.226	9.316	1787.963	0.42%	93.88%
40.0	106.760	8.126	1796.089	0.37%	94.31%
41.0	91.441	7.058	1803.147	0.32%	94.68%
42.0	79.371	6.206	1809.353	0.28%	95.01%
43.0	68.098	5.463	1814.816	0.25%	95.29%
44.0	58.223	4.768	1819.583	0.22%	95.54%
45.0	51.083	4.201	1823.784	0.19%	95.77%
46.0	45.311	3.770	1827.554	0.17%	95.96%
47.0	40.688	3.420	1830.974	0.16%	96.14%
48.0	37.403	3.157	1834.131	0.14%	96.31%
49.0	35.150	2.979	1837.111	0.14%	96.46%
50.0	33.614	2.867	1839.978	0.13%	96.62%
51.0	32.553	2.799	1842.777	0.13%	96.76%
52.0	31.792	2.761	1845.538	0.13%	96.91%
53.0	31.185	2.740	1848.278	0.12%	97.05%
54.0	30.644	2.725	1851.003	0.12%	97.19%
55.0	30.380	2.724	1853.727	0.12%	97.34%
56.0	29.817	2.720	1856.447	0.12%	97.48%
57.0	28.969	2.688	1859.135	0.12%	97.62%
58.0	27.871	2.628	1861.763	0.12%	97.76%
59.0	26.481	2.541	1864.304	0.12%	97.89%
60.0	24.499	2.408	1866.713	0.11%	98.02%
61.0	22.597	2.248	1868.96	0.10%	98.14%
62.0	20.805	2.091	1871.052	0.09%	98.25%
63.0	18.837	1.928	1872.98	0.09%	98.35%
64.0	17.059	1.761	1874.741	0.08%	98.44%
65.0	15.669	1.620	1876.361	0.07%	98.53%
66.0	14.696	1.515	1877.876	0.07%	98.61%
67.0	13.980	1.442	1879.318	0.07%	98.68%
68.0	13.328	1.383	1880.701	0.06%	98.75%
69.0	12.838	1.335	1882.036	0.06%	98.82%
70.0	12.385	1.295	1883.331	0.06%	98.89%
71.0	12.012	1.261	1884.592	0.06%	98.96%
72.0	11.690	1.232	1885.825	0.06%	99.02%
73.0	11.390	1.207	1887.032	0.05%	99.09%
74.0	11.134	1.184	1888.216	0.05%	99.15%
75.0	10.907	1.165	1889.38	0.05%	99.21%

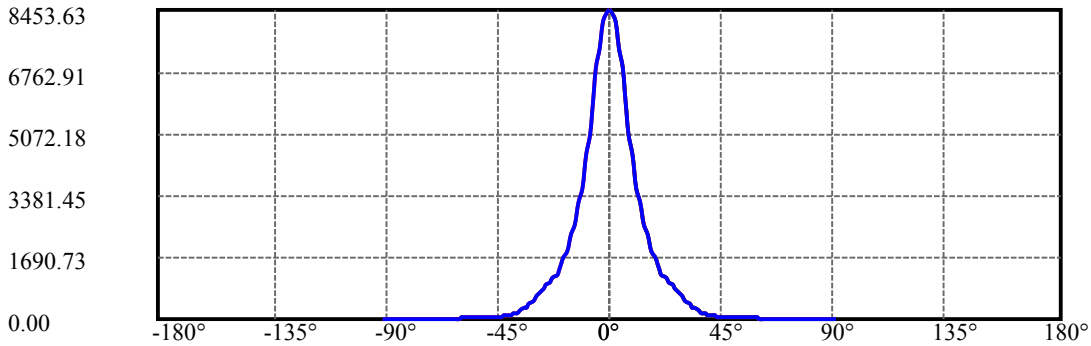
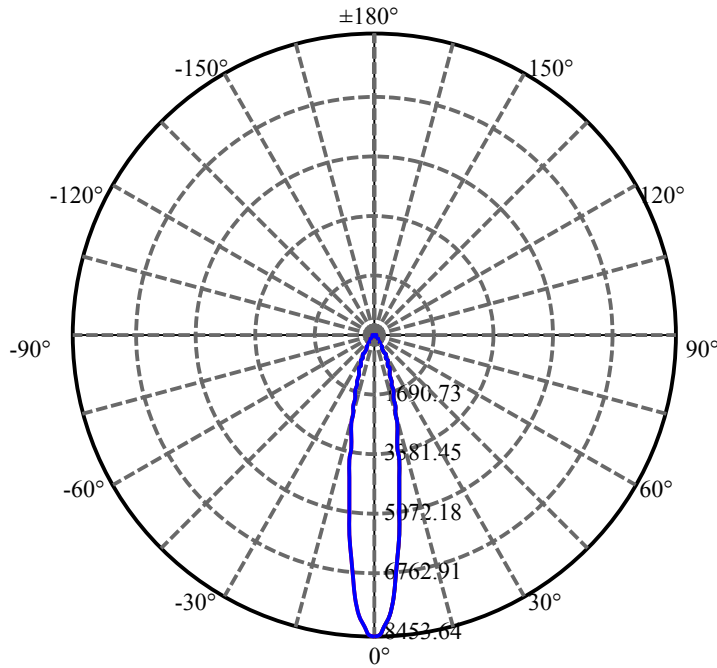
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.688	1.146	1890.527	0.05%	99.27%
77.0	10.461	1.128	1891.654	0.05%	99.33%
78.0	10.227	1.107	1892.762	0.05%	99.39%
79.0	9.993	1.086	1893.848	0.05%	99.44%
80.0	9.751	1.064	1894.912	0.05%	99.50%
81.0	9.517	1.042	1895.954	0.05%	99.55%
82.0	9.261	1.018	1896.973	0.05%	99.61%
83.0	9.042	0.995	1897.968	0.05%	99.66%
84.0	8.830	0.974	1898.941	0.04%	99.71%
85.0	8.661	0.955	1899.896	0.04%	99.76%
86.0	8.486	0.937	1900.833	0.04%	99.81%
87.0	8.339	0.921	1901.754	0.04%	99.86%
88.0	8.200	0.906	1902.66	0.04%	99.91%
89.0	8.076	0.892	1903.552	0.04%	99.95%
90.0	8.032	0.883	1904.435	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1630.44	74.04%	85.61%
0-40	1796.09	81.57%	94.31%
0-60	1866.71	84.77%	98.02%
0-90	1903.55	86.45%	99.95%
0-120	1903.55	86.45%	99.95%
0-180	1904.44	86.49%	100.00%
60-90	36.84	1.67%	1.93%
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%
0-26.95	1523.55	69.19%	80.00%

ZONAL LUMEN SUMMARY

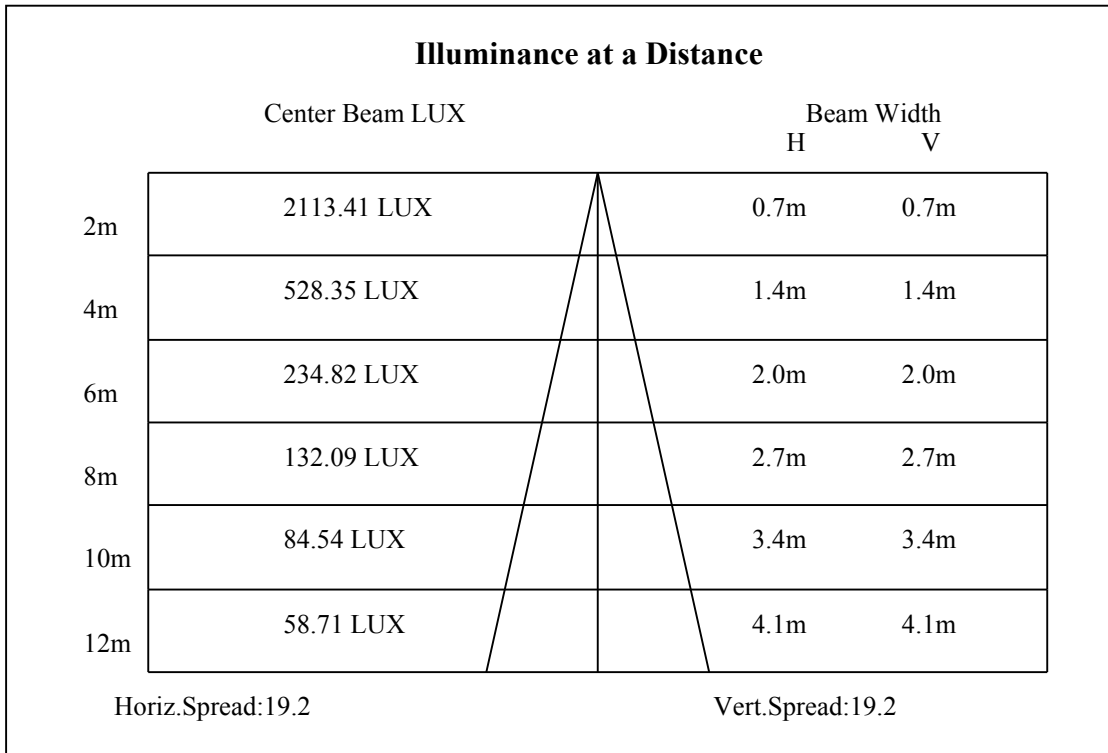
0-10	557.48
10-20	649.98
20-30	422.97
30-40	165.65
40-50	43.89
50-60	26.74
60-70	16.62
70-80	11.58
80-90	8.64
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

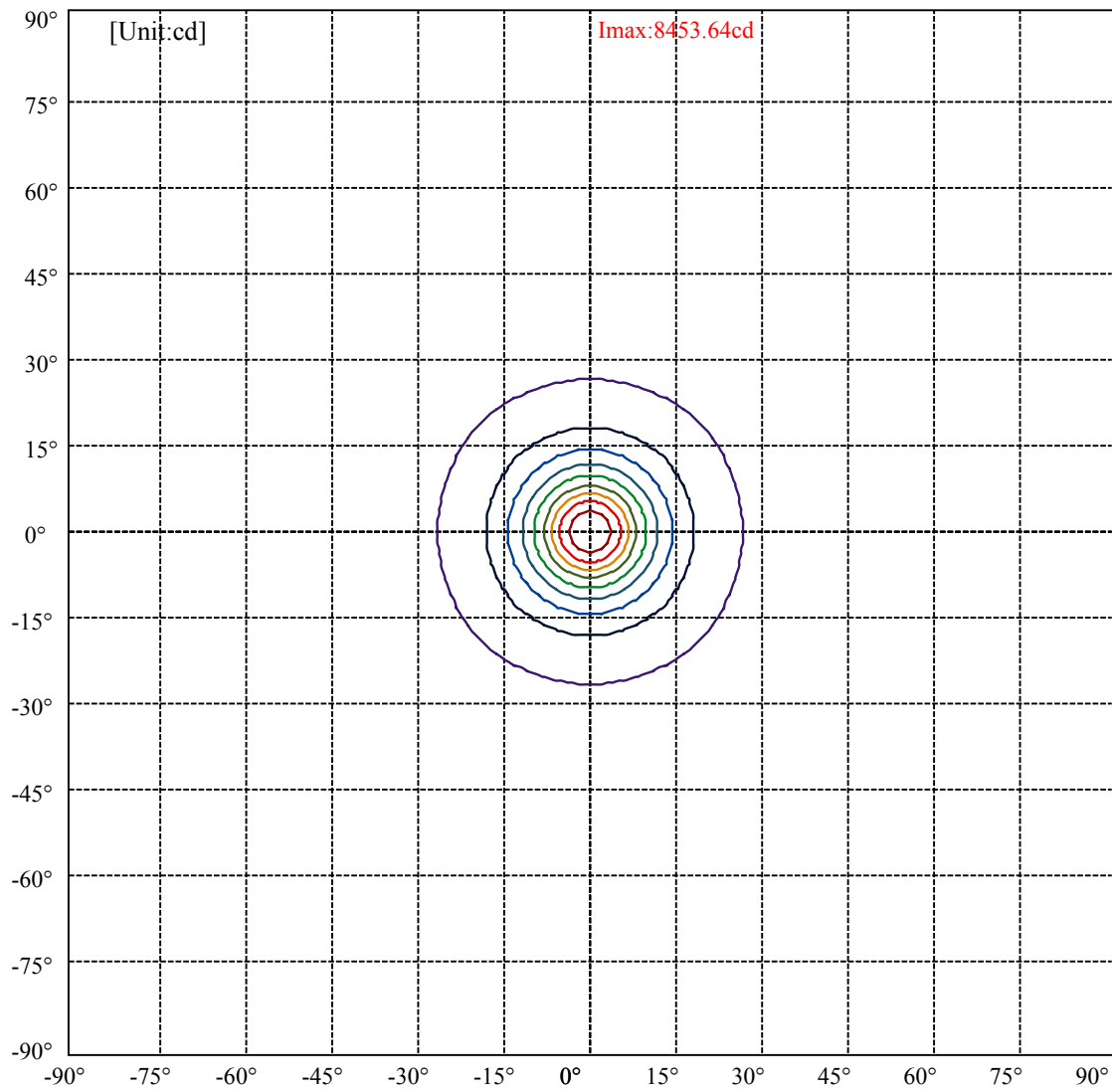


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:26.2 Right:26.2  
:C90/270Left:26.2 Right:26.2

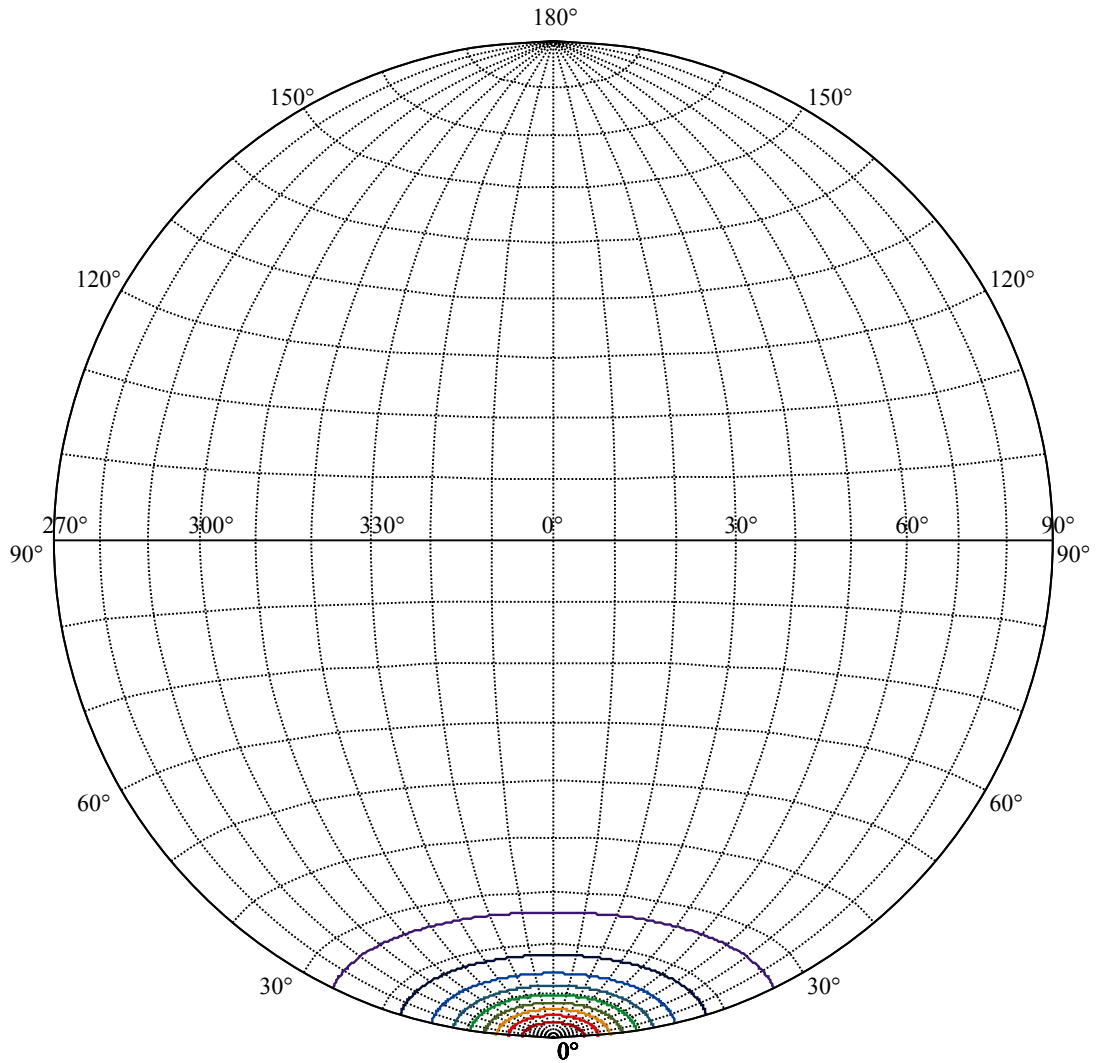
Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6  
:C90/270Left:9.6 Right:9.6





(10%Imax) 845.363	—
(20%Imax) 1690.73	—
(30%Imax) 2536.09	—
(40%Imax) 3381.45	—
(50%Imax) 4226.82	—
(60%Imax) 5072.18	—
(70%Imax) 5917.54	—
(80%Imax) 6762.91	—
(90%Imax) 7608.27	—





House

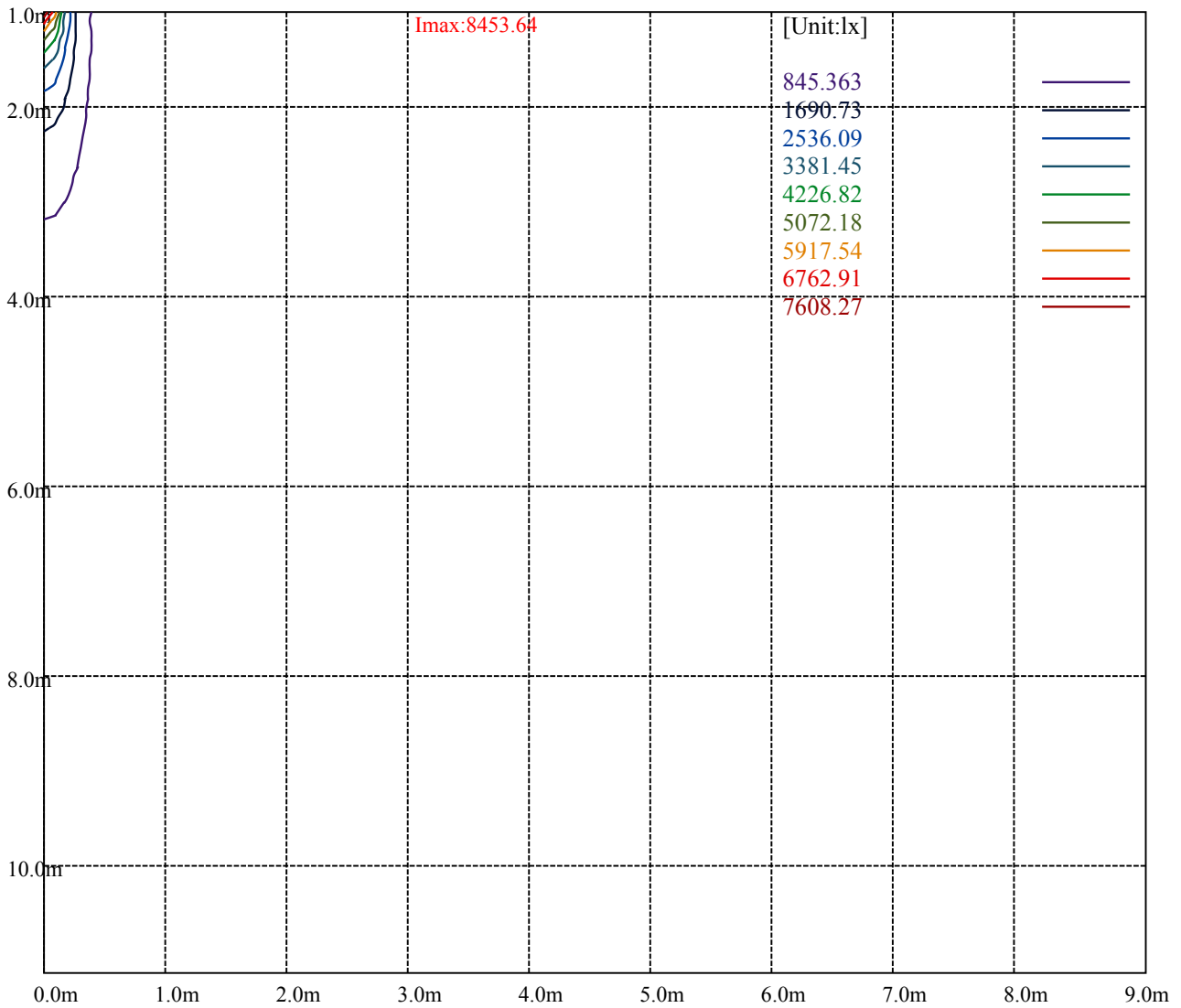
[Unit:cd]

Road

Imax:8453.64

(10%Imax)	845.363	—
(20%Imax)	1690.73	—
(30%Imax)	2536.09	—
(40%Imax)	3381.45	—
(50%Imax)	4226.82	—
(60%Imax)	5072.18	—
(70%Imax)	5917.54	—
(80%Imax)	6762.91	—
(90%Imax)	7608.27	—





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

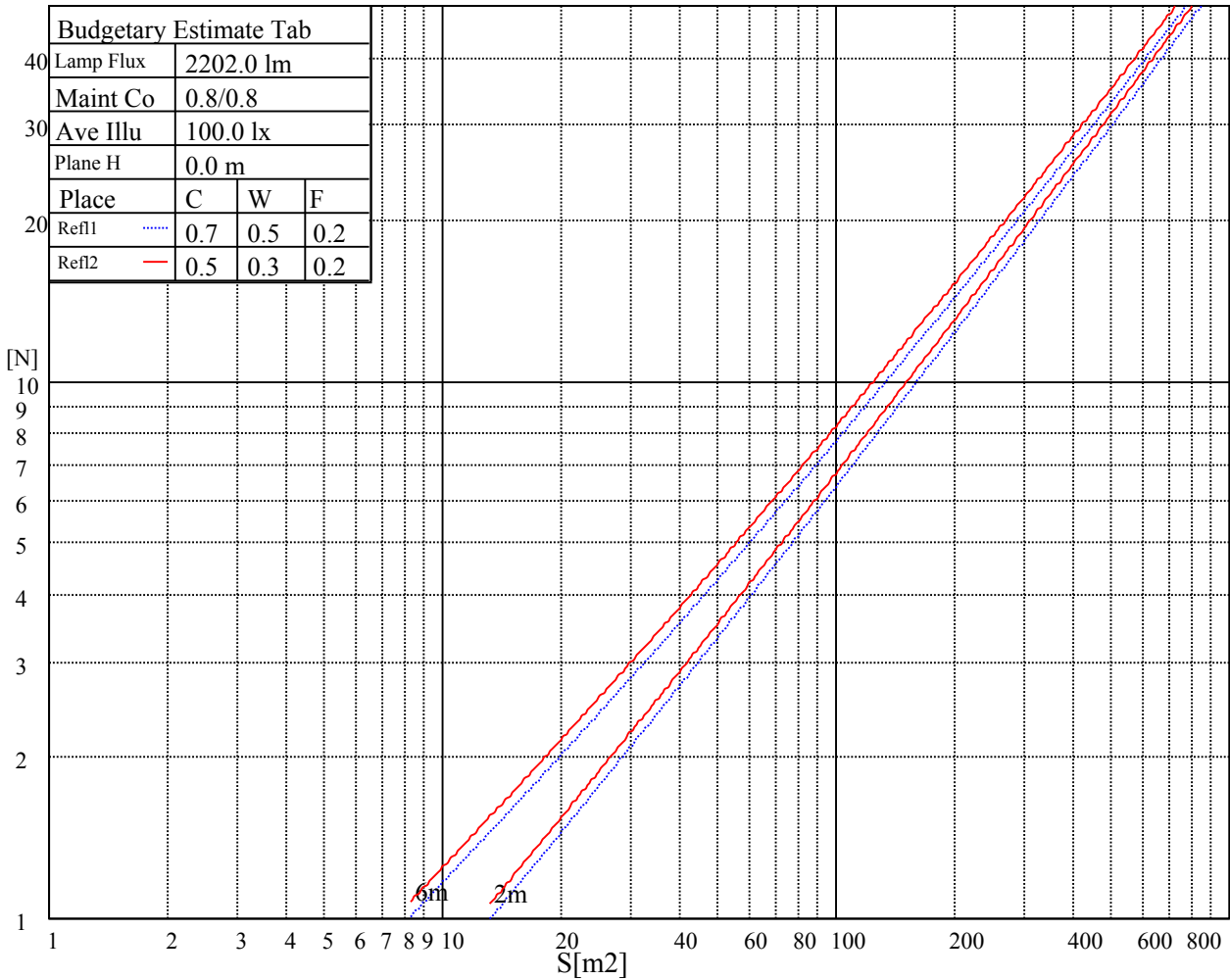
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

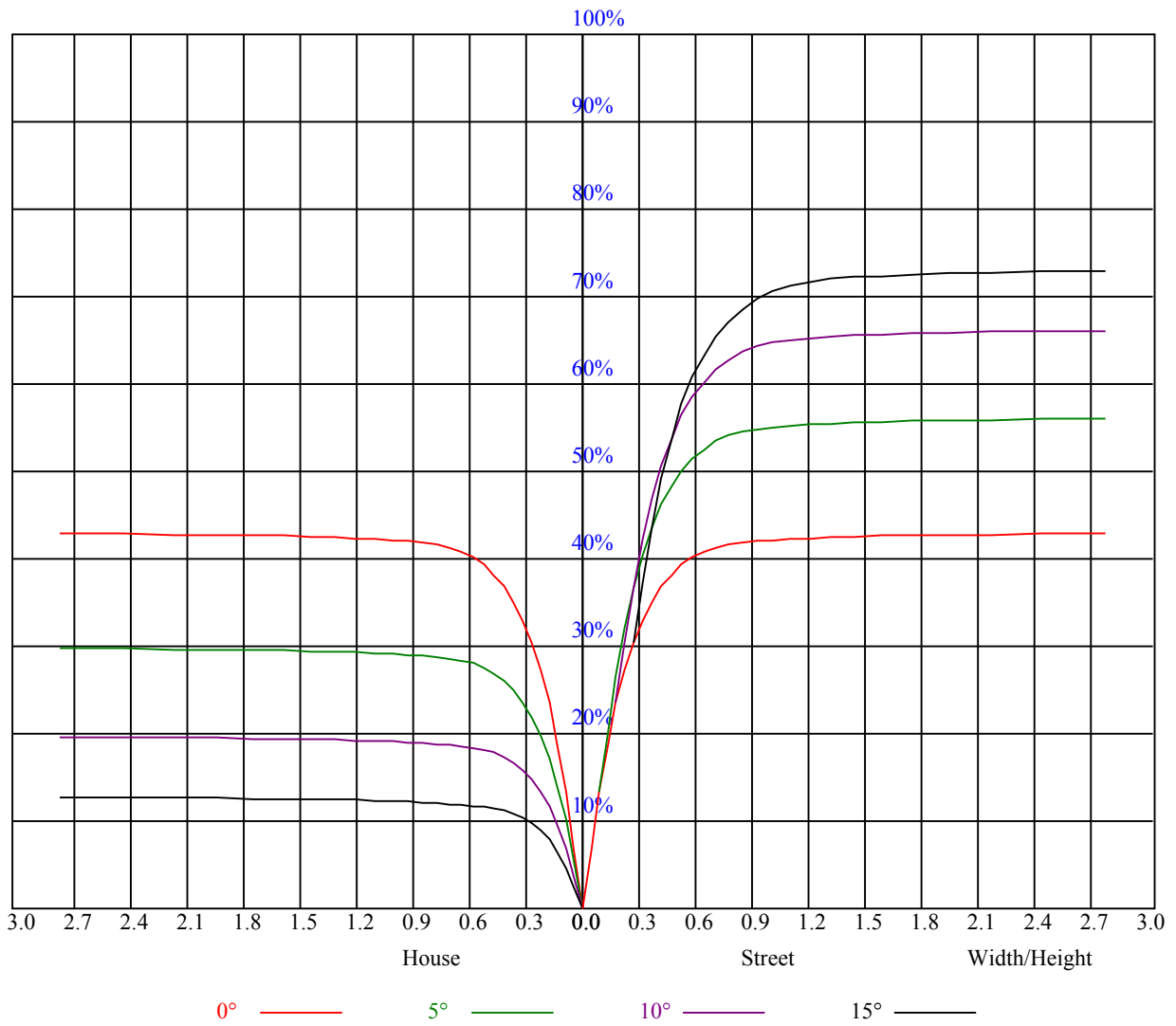


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

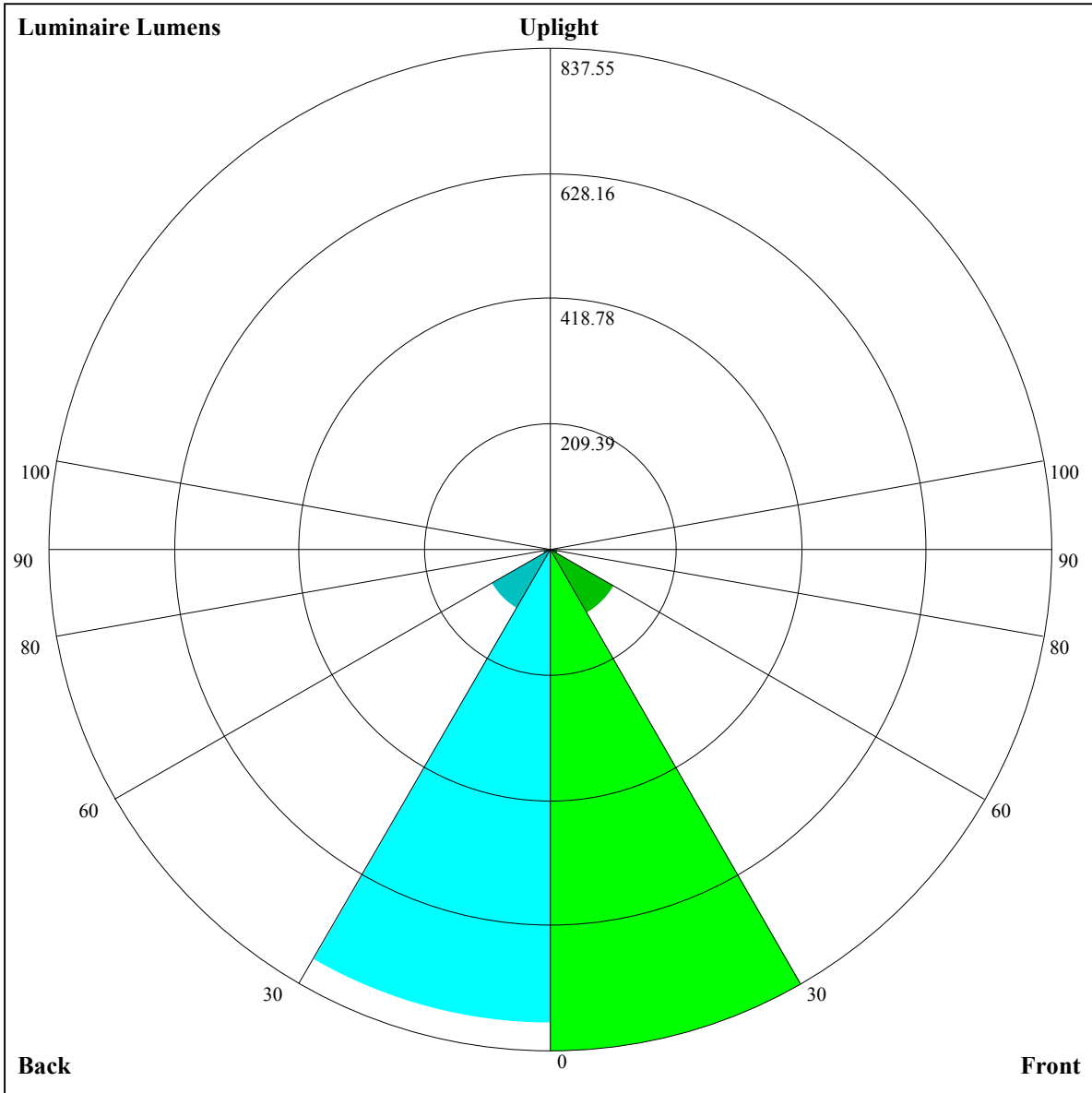
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.97	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.90	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.82	0.81	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
7	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
9	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56







Luminaire Lumens:

FL=837.55,FM=123.78,FH=14.31,FVH=4.79

BL=792.7,BM=113.65,BH=13.93,BVH=4.75

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	8516.25	8479.38	8320.20	8069.73	7560.58	7037.97	6472.06	5883.91	5186.32
45.0	8355.90	8510.40	8537.32	8450.71	8173.31	7805.79	7288.45	6562.19	5982.81
90.0	8506.30	8486.41	8368.19	8103.67	7582.82	7022.76	6433.44	5698.39	5131.90
135.0	8436.08	8484.65	8398.04	8198.48	7737.90	7244.56	6644.70	6030.80	5289.91
180.0	8516.25	8424.37	8221.30	7904.11	7351.07	6783.40	6012.66	5422.75	4873.23
225.0	8355.90	8101.91	7732.05	7120.49	6538.78	5941.26	5373.01	4698.24	4210.17
270.0	8506.30	8392.77	8176.24	7740.24	7308.93	6768.19	6182.96	5467.82	4928.82
315.0	8436.08	8298.55	7958.53	7574.04	7070.16	6514.20	5785.01	5219.68	4698.24
360.0	8516.25	8479.38	8320.20	8069.73	7560.58	7037.97	6472.06	5883.91	5186.32
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4677.18	4207.24	3689.32	3334.09	2934.38	2643.52	2380.75	2143.15	1888.58
45.0	5416.32	4891.37	4289.76	3868.98	3497.36	3160.27	2767.00	2487.85	2239.71
90.0	4612.22	4038.70	3637.23	3290.78	2960.13	2593.19	2333.35	2105.11	1902.62
135.0	4753.26	4268.10	3833.87	3376.22	3044.98	2745.93	2470.88	2168.90	1957.05
180.0	4371.10	3807.53	3422.45	3083.02	2783.39	2436.35	2198.16	1987.48	1745.20
225.0	3768.91	3300.73	2982.37	2699.70	2371.98	2135.54	1931.30	1708.33	1553.25
270.0	4428.46	3973.74	3479.22	3131.60	2829.04	2482.58	2244.98	1972.85	1780.90
315.0	4214.26	3690.49	3323.55	3004.02	2649.37	2390.12	2156.03	1899.70	1723.55
360.0	4677.18	4207.24	3689.32	3334.09	2934.38	2643.52	2380.75	2143.15	1888.58
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1714.77	1564.95	1435.62	1163.31	1163.31	1122.93	1047.38	957.72	891.36
45.0	1976.36	1796.70	1638.10	1472.48	1361.29	1262.97	1155.88	1078.04	1003.72
90.0	1691.36	1545.64	1391.14	1164.13	1164.13	1081.85	1008.81	935.31	867.65
135.0	1738.18	1583.68	1454.34	1312.72	1217.91	1135.40	1041.76	975.04	906.57
180.0	1590.70	1459.61	1310.96	1211.47	1127.79	1032.40	962.75	897.21	814.69
225.0	1421.57	1150.55	1150.55	1111.11	1036.67	950.17	885.09	817.21	750.02
270.0	1622.89	1488.87	1339.05	1238.98	1152.37	1075.12	988.50	920.62	852.73
315.0	1569.05	1408.70	1150.55	1150.55	1129.89	1036.55	967.55	901.89	831.55
360.0	1714.77	1564.95	1435.62	1163.31	1163.31	1122.93	1047.38	957.72	891.36
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	805.91	734.16	662.01	566.79	490.89	418.03	337.15	287.35	246.61
45.0	929.98	839.27	766.12	692.38	616.89	520.91	444.24	375.19	309.06
90.0	783.03	710.46	640.12	565.74	471.28	401.23	339.66	291.97	244.62
135.0	841.61	751.49	681.85	605.77	529.69	434.88	368.17	313.15	301.45
180.0	743.88	672.48	600.50	502.77	428.44	361.73	306.72	306.72	214.25
225.0	661.25	587.98	509.85	415.69	350.78	298.35	247.02	212.85	183.82
270.0	783.67	696.48	622.74	525.59	447.76	376.94	316.08	303.79	250.59
315.0	746.75	673.71	597.75	500.37	425.11	343.35	292.32	250.42	207.70
360.0	805.91	734.16	662.01	566.79	490.89	418.03	337.15	287.35	246.61
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.31	179.02	154.56	133.43	116.05	97.38	85.09	73.86	61.62
45.0	298.52	298.52	193.77	169.07	141.62	122.60	105.75	91.30	75.61
90.0	214.19	180.78	157.07	136.47	114.06	98.08	83.92	72.16	59.99
135.0	248.66	185.28	152.86	130.68	112.30	93.17	80.59	69.88	60.34
180.0	184.87	154.91	134.43	115.99	97.21	84.57	74.09	62.21	54.37
225.0	153.91	131.85	113.53	97.79	82.05	71.46	62.27	54.43	46.94
270.0	189.67	163.16	135.13	116.58	96.21	82.46	71.46	60.34	53.43
315.0	178.44	153.91	132.32	109.79	94.57	81.81	71.81	60.63	53.49
360.0	213.31	179.02	154.56	133.43	116.05	97.38	85.09	73.86	61.62

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	53.96	46.99	42.49	38.62	35.87	34.35	33.18	32.54	31.89
45.0	65.14	56.36	49.57	43.54	39.97	37.04	35.11	33.18	32.36
90.0	52.73	46.88	41.02	37.40	35.23	33.65	32.36	31.66	31.08
135.0	50.68	45.00	40.73	37.63	34.94	33.47	32.07	31.08	30.96
180.0	48.22	43.60	38.68	36.40	34.88	33.53	32.60	32.19	31.37
225.0	42.37	38.62	35.76	34.06	32.13	31.72	31.37	30.55	30.14
270.0	47.99	43.13	39.03	35.70	34.06	32.42	31.37	31.19	30.37
315.0	47.58	41.90	38.22	35.87	34.12	32.71	32.36	31.95	31.31
360.0	53.96	46.99	42.49	38.62	35.87	34.35	33.18	32.54	31.89
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.84	30.72	30.26	29.50	28.21	27.04	24.76	22.82	21.24
45.0	32.07	31.31	30.90	30.49	29.73	28.68	27.74	25.52	23.47
90.0	30.20	30.02	29.73	28.85	27.86	26.80	24.64	22.82	21.36
135.0	30.14	29.90	29.85	29.44	28.27	27.45	25.98	24.05	22.06
180.0	30.90	30.84	30.08	29.09	28.21	26.57	24.11	22.41	20.72
225.0	30.02	29.44	28.38	27.15	25.28	23.29	21.65	19.37	17.38
270.0	29.85	29.90	29.26	28.21	27.39	25.87	23.35	21.71	20.07
315.0	31.13	30.90	30.08	29.03	28.03	26.16	23.76	22.06	20.13
360.0	30.84	30.72	30.26	29.50	28.21	27.04	24.76	22.82	21.24
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.96	17.15	15.98	14.75	14.05	13.46	12.99	12.58	12.06
45.0	21.95	20.19	17.67	16.39	15.33	14.34	13.69	13.17	12.64
90.0	19.61	17.32	16.15	15.16	14.28	13.52	13.05	12.47	12.11
135.0	20.31	18.26	16.39	15.33	14.51	13.69	13.11	12.58	12.23
180.0	18.61	16.62	15.45	14.57	13.87	13.23	12.76	12.29	11.94
225.0	15.68	14.69	13.87	13.17	12.76	12.41	12.00	11.65	11.41
270.0	17.97	15.98	14.98	14.10	13.52	12.87	12.52	12.11	11.82
315.0	17.62	16.27	14.86	14.10	13.52	13.11	12.58	12.23	11.88
360.0	18.96	17.15	15.98	14.75	14.05	13.46	12.99	12.58	12.06
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.76	11.47	11.24	11.00	10.77	10.53	10.36	10.07	9.83
45.0	12.23	11.88	11.53	11.24	11.06	10.77	10.59	10.36	10.12
90.0	11.76	11.47	11.18	10.94	10.71	10.53	10.30	10.07	9.83
135.0	11.88	11.59	11.29	11.00	10.83	10.65	10.36	10.18	9.95
180.0	11.65	11.29	11.06	10.89	10.53	10.36	10.12	9.95	9.66
225.0	11.18	10.89	10.65	10.48	10.30	10.07	9.83	9.54	9.31
270.0	11.53	11.24	11.06	10.89	10.65	10.42	10.18	10.01	9.71
315.0	11.53	11.29	11.06	10.83	10.65	10.36	10.07	9.77	9.60
360.0	11.76	11.47	11.24	11.00	10.77	10.53	10.36	10.07	9.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.60	9.31	9.13	8.90	8.72	8.54	8.37	8.25	8.08
45.0	9.89	9.60	9.36	9.13	8.90	8.72	8.60	8.37	8.25
90.0	9.60	9.36	9.13	8.90	8.78	8.60	8.43	8.31	8.13
135.0	9.66	9.48	9.25	8.95	8.78	8.60	8.43	8.31	8.13
180.0	9.42	9.13	8.90	8.72	8.60	8.37	8.25	8.08	7.96
225.0	9.19	8.90	8.72	8.54	8.37	8.25	8.13	8.02	8.02
270.0	9.42	9.19	8.95	8.78	8.60	8.43	8.25	8.13	8.02
315.0	9.36	9.13	8.90	8.72	8.54	8.37	8.25	8.13	8.02
360.0	9.60	9.31	9.13	8.90	8.72	8.54	8.37	8.25	8.08

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	8.13
90.0	8.08
135.0	8.02
180.0	7.96
225.0	8.02
270.0	8.02
315.0	8.02
360.0	8.02