



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 2-2751-L

Luminaire: 92.70.411.00

Report No: 2024831-B005

Ballast type: AC

Test No: 2024831-C005

Voltage(V): 36.400

LampCAT: LUMILEDS LUXEON CoB 1205 Current(A): 0.603

Lamp flux(lm): 2551.0 Power (W): 21.940

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 2418.50, Efficiency(%): 94.81% , Luminous Efficacy(lm/W): 110.23

Central intensity(cd): 12898.890, Maximum intensity(cd): 12898.890

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.2

[C90/270]Total=18.2

Field angle(10%Imax): [C0/180]Total=45.0

[C90/270]Total=45.0

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.81%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.063%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12898.890	0.000	0	0.00%	0.00%
1.0	12654.612	12.227	12.227	0.48%	0.51%
2.0	12273.613	35.779	48.006	1.40%	1.98%
3.0	11800.892	57.578	105.585	2.26%	4.37%
4.0	11081.496	76.595	182.179	3.00%	7.53%
5.0	10332.874	92.123	274.303	3.61%	11.34%
6.0	9440.304	103.913	378.216	4.07%	15.64%
7.0	8440.191	110.984	489.2	4.35%	20.23%
8.0	7498.593	114.071	603.271	4.47%	24.94%
9.0	6507.822	113.514	716.785	4.45%	29.64%
10.0	5639.680	109.930	826.716	4.31%	34.18%
11.0	4837.931	104.693	931.408	4.10%	38.51%
12.0	4153.246	98.286	1029.695	3.85%	42.58%
13.0	3601.589	92.030	1121.725	3.61%	46.38%
14.0	3163.382	86.591	1208.316	3.39%	49.96%
15.0	2811.043	82.020	1290.336	3.22%	53.35%
16.0	2465.214	77.312	1367.648	3.03%	56.55%
17.0	2204.360	72.718	1440.366	2.85%	59.56%
18.0	1969.412	68.816	1509.182	2.70%	62.40%
19.0	1751.803	64.742	1573.923	2.54%	65.08%
20.0	1587.447	61.118	1635.041	2.40%	67.61%
21.0	1466.605	58.644	1693.685	2.30%	70.03%
22.0	1337.992	56.360	1750.045	2.21%	72.36%
23.0	1240.869	54.111	1804.156	2.12%	74.60%
24.0	1146.309	52.192	1856.348	2.05%	76.76%
25.0	1088.471	50.814	1907.162	1.99%	78.86%
26.0	1002.538	49.358	1956.521	1.93%	80.90%
27.0	920.218	47.041	2003.561	1.84%	82.84%
28.0	838.687	44.532	2048.093	1.75%	84.68%
29.0	751.953	41.616	2089.709	1.63%	86.41%
30.0	662.570	38.192	2127.901	1.50%	87.98%
31.0	574.061	34.414	2162.314	1.35%	89.41%
32.0	494.232	30.605	2192.92	1.20%	90.67%
33.0	416.216	26.822	2219.742	1.05%	91.78%
34.0	351.926	23.246	2242.988	0.91%	92.74%
35.0	299.679	20.236	2263.225	0.79%	93.58%
36.0	258.443	17.771	2280.995	0.70%	94.31%
37.0	217.149	15.511	2296.506	0.61%	94.96%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	184.028	13.391	2309.897	0.52%	95.51%
39.0	144.810	11.224	2321.121	0.44%	95.97%
40.0	121.104	9.274	2330.395	0.36%	96.36%
41.0	99.179	7.844	2338.24	0.31%	96.68%
42.0	81.971	6.581	2344.821	0.26%	96.95%
43.0	68.706	5.582	2350.403	0.22%	97.18%
44.0	57.595	4.767	2355.169	0.19%	97.38%
45.0	49.047	4.098	2359.268	0.16%	97.55%
46.0	42.589	3.584	2362.852	0.14%	97.70%
47.0	37.799	3.197	2366.049	0.13%	97.83%
48.0	34.258	2.913	2368.962	0.11%	97.95%
49.0	31.314	2.693	2371.654	0.11%	98.06%
50.0	29.290	2.527	2374.181	0.10%	98.17%
51.0	27.484	2.402	2376.583	0.09%	98.27%
52.0	26.078	2.298	2378.882	0.09%	98.36%
53.0	24.921	2.218	2381.1	0.09%	98.45%
54.0	24.198	2.165	2383.265	0.08%	98.54%
55.0	23.581	2.133	2385.398	0.08%	98.63%
56.0	23.101	2.109	2387.507	0.08%	98.72%
57.0	22.852	2.101	2389.608	0.08%	98.81%
58.0	22.490	2.097	2391.705	0.08%	98.89%
59.0	21.991	2.080	2393.785	0.08%	98.98%
60.0	21.380	2.049	2395.834	0.08%	99.06%
61.0	20.506	1.999	2397.832	0.08%	99.15%
62.0	18.995	1.903	2399.736	0.07%	99.22%
63.0	17.470	1.773	2401.509	0.07%	99.30%
64.0	15.854	1.635	2403.145	0.06%	99.37%
65.0	13.962	1.476	2404.62	0.06%	99.43%
66.0	12.477	1.319	2405.939	0.05%	99.48%
67.0	11.078	1.184	2407.124	0.05%	99.53%
68.0	9.954	1.065	2408.189	0.04%	99.57%
69.0	8.962	0.965	2409.154	0.04%	99.61%
70.0	8.272	0.885	2410.039	0.03%	99.65%
71.0	7.608	0.821	2410.86	0.03%	99.68%
72.0	7.043	0.762	2411.622	0.03%	99.72%
73.0	6.610	0.714	2412.336	0.03%	99.75%
74.0	6.170	0.672	2413.008	0.03%	99.77%
75.0	5.729	0.629	2413.636	0.02%	99.80%

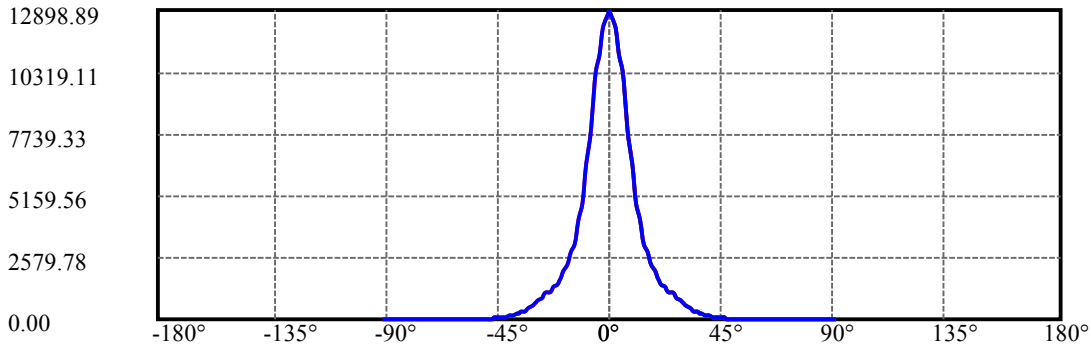
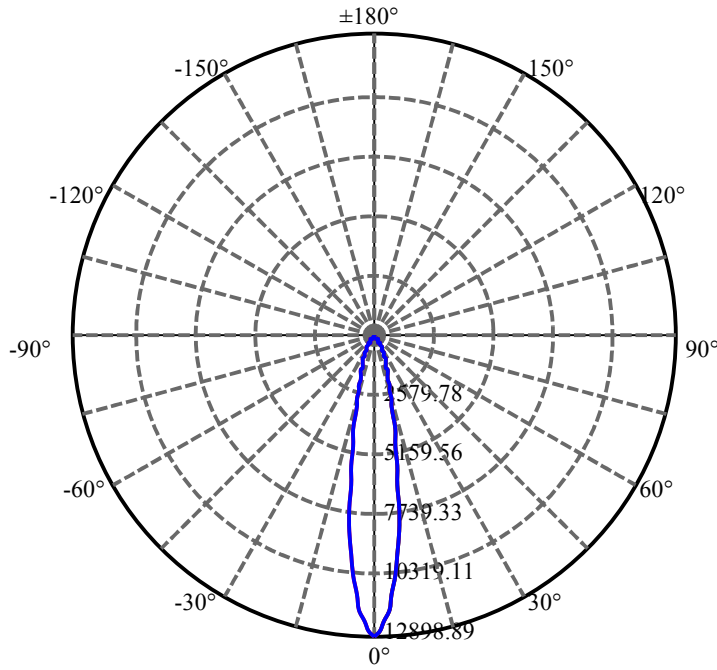
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.342	0.588	2414.224	0.02%	99.82%
77.0	4.941	0.548	2414.772	0.02%	99.85%
78.0	4.566	0.509	2415.281	0.02%	99.87%
79.0	4.205	0.471	2415.752	0.02%	99.89%
80.0	3.791	0.431	2416.184	0.02%	99.90%
81.0	3.423	0.390	2416.574	0.02%	99.92%
82.0	3.035	0.350	2416.924	0.01%	99.93%
83.0	2.668	0.310	2417.234	0.01%	99.95%
84.0	2.319	0.272	2417.506	0.01%	99.96%
85.0	1.984	0.235	2417.74	0.01%	99.97%
86.0	1.715	0.202	2417.943	0.01%	99.98%
87.0	1.465	0.174	2418.117	0.01%	99.98%
88.0	1.235	0.148	2418.265	0.01%	99.99%
89.0	1.071	0.126	2418.391	0.00%	100.00%
90.0	0.946	0.111	2418.502	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2127.90	83.41%	87.98%
0-40	2330.40	91.35%	96.36%
0-60	2395.83	93.92%	99.06%
0-90	2418.39	94.80%	100.00%
0-120	2418.39	94.80%	100.00%
0-180	2418.50	94.81%	100.00%
60-90	22.56	0.88%	0.93%
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%
0-25.56	1934.80	75.84%	80.00%

ZONAL LUMEN SUMMARY

0-10	826.72
10-20	808.33
20-30	492.86
30-40	202.49
40-50	43.79
50-60	21.65
60-70	14.21
70-80	6.14
80-90	2.21
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: —————

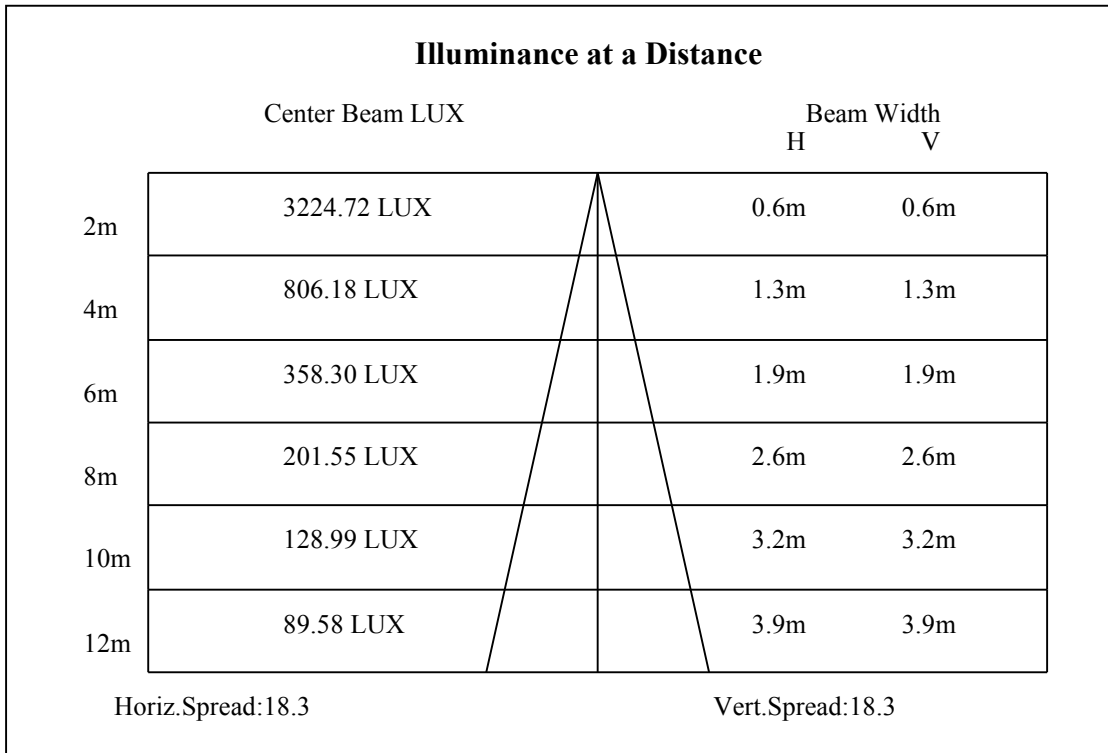
C90/C270: —————

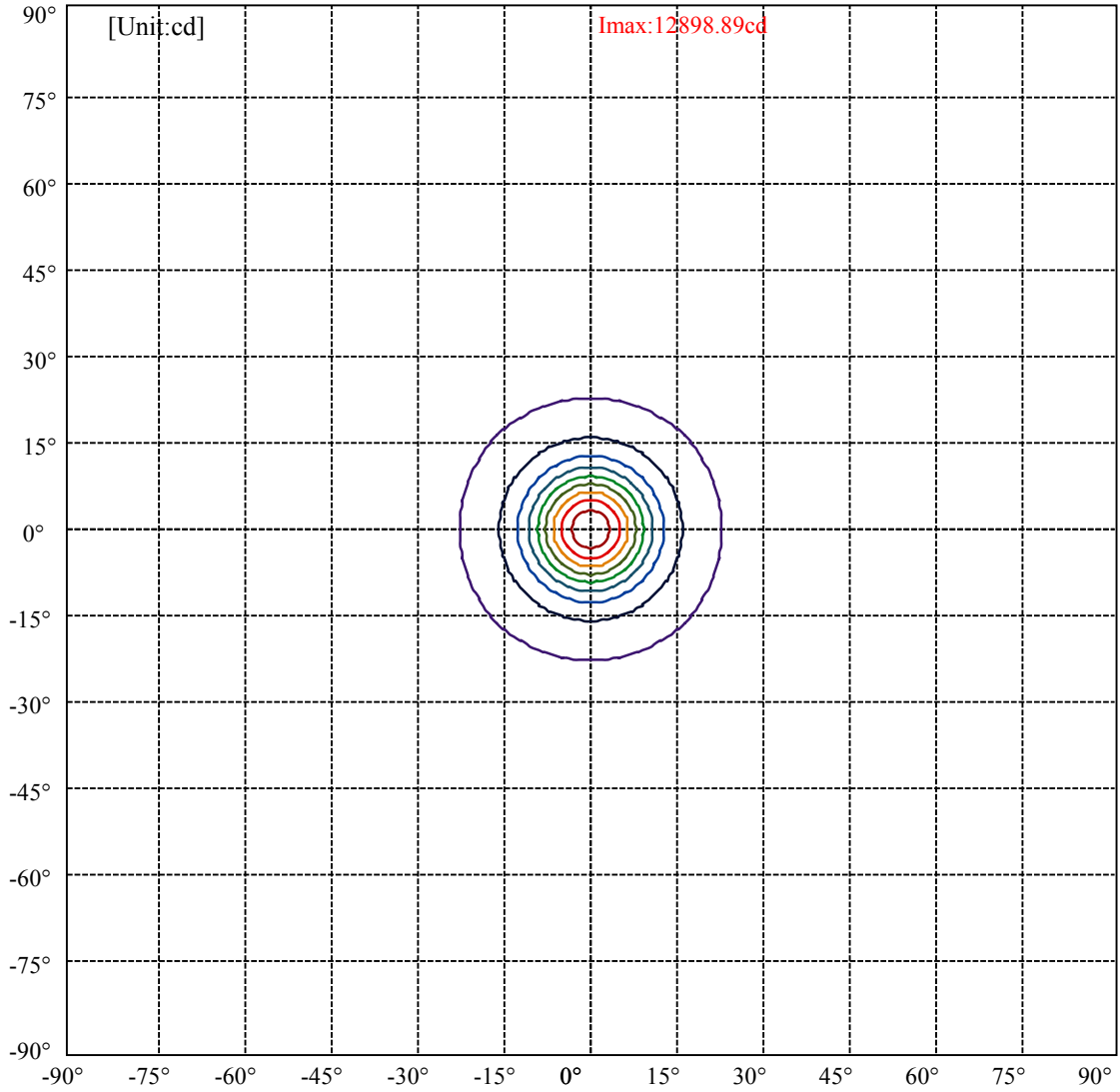
Field angle(10%Imax):C0/180Left:22.5 Right:22.5

:C90/270Left:22.5 Right:22.5

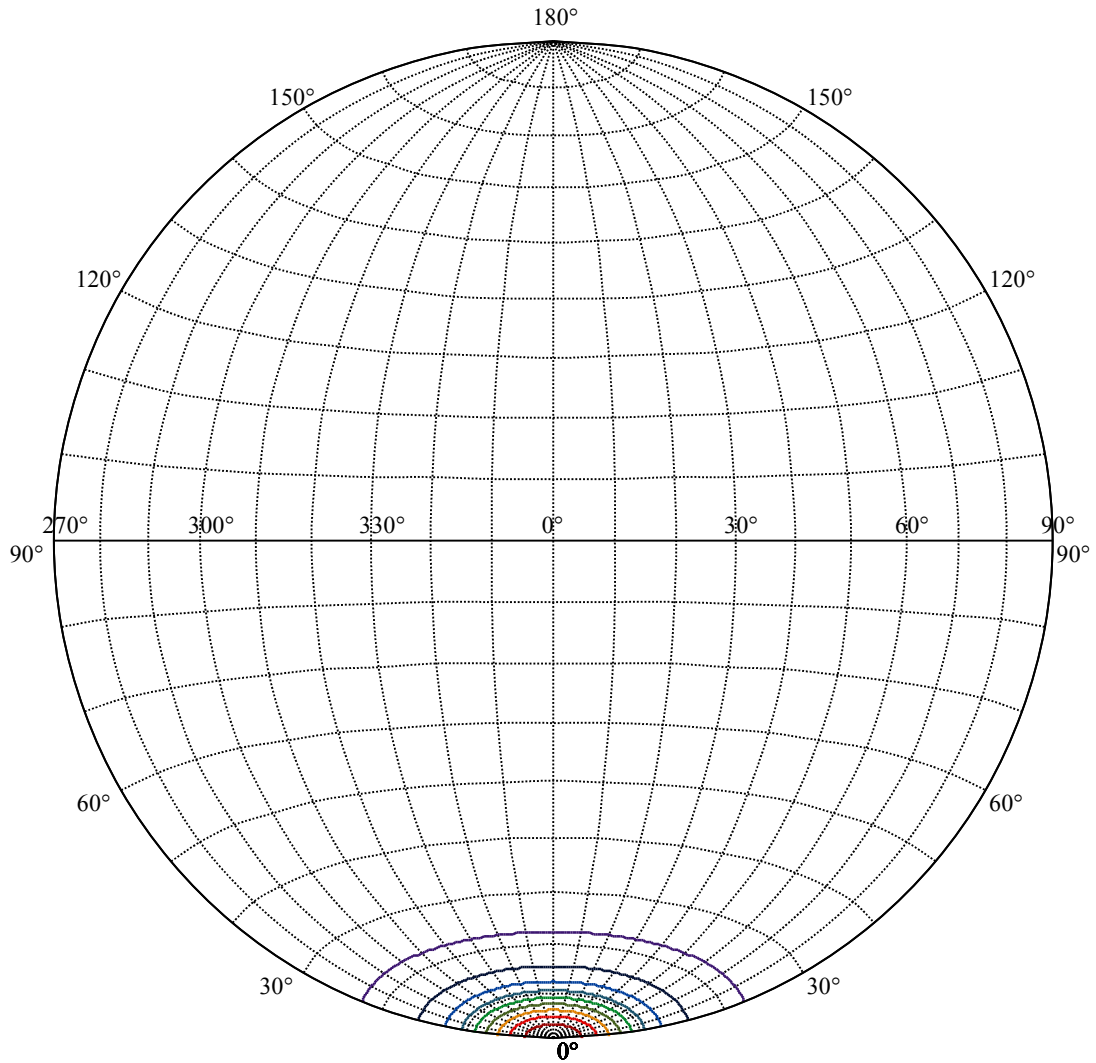
Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1

:C90/270Left:9.1 Right:9.1





(10%Imax) 1289.89	—
(20%Imax) 2579.78	—
(30%Imax) 3869.67	—
(40%Imax) 5159.56	—
(50%Imax) 6449.44	—
(60%Imax) 7739.33	—
(70%Imax) 9029.22	—
(80%Imax) 10319.1	—
(90%Imax) 11609	—



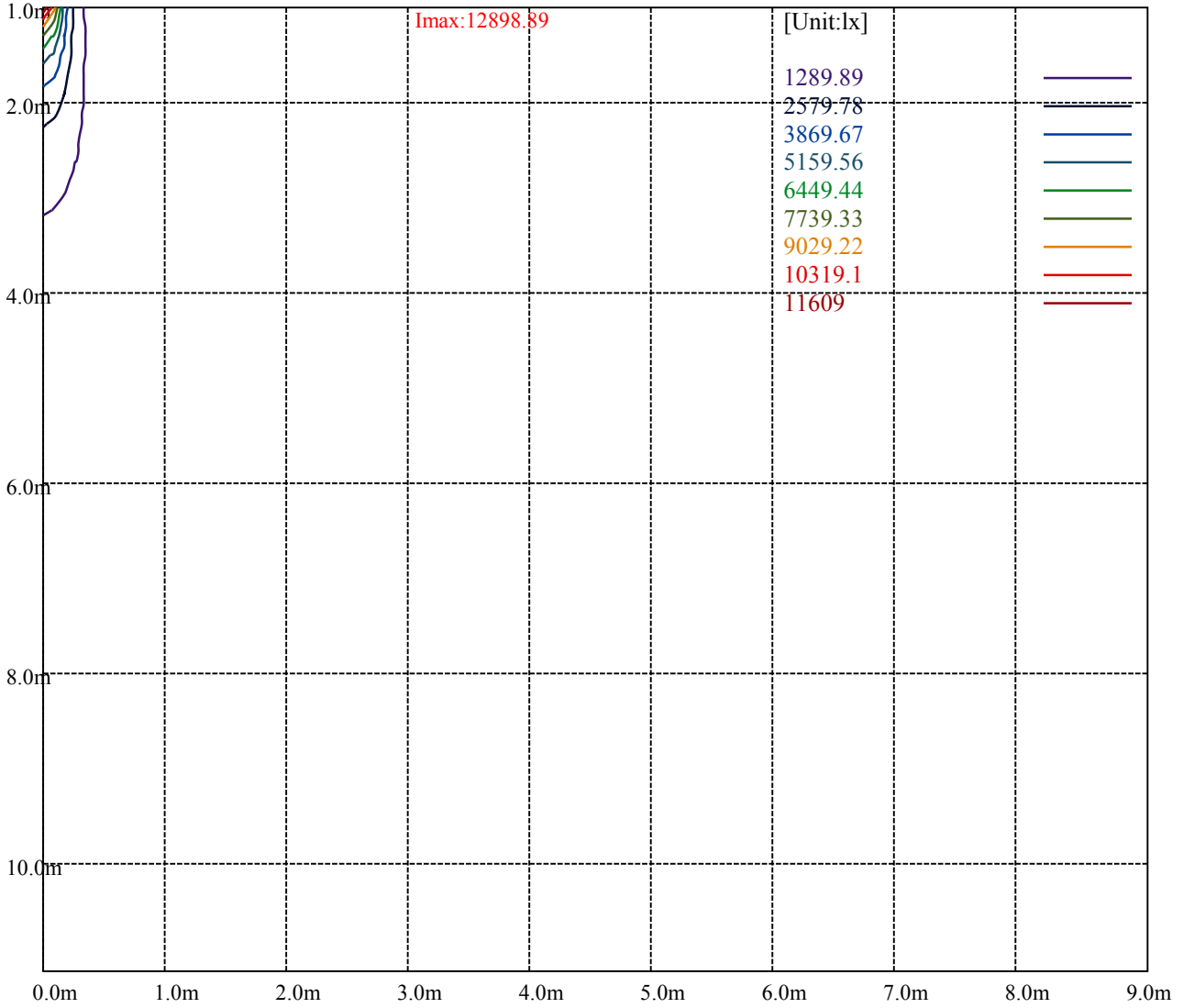
House

[Unit:cd]

Road

Imax:12898.89

(10%Imax) 1289.89	—
(20%Imax) 2579.78	—
(30%Imax) 3869.67	—
(40%Imax) 5159.56	—
(50%Imax) 6449.44	—
(60%Imax) 7739.33	—
(70%Imax) 9029.22	—
(80%Imax) 10319.1	—
(90%Imax) 11609	—



Luminance Table

γ	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

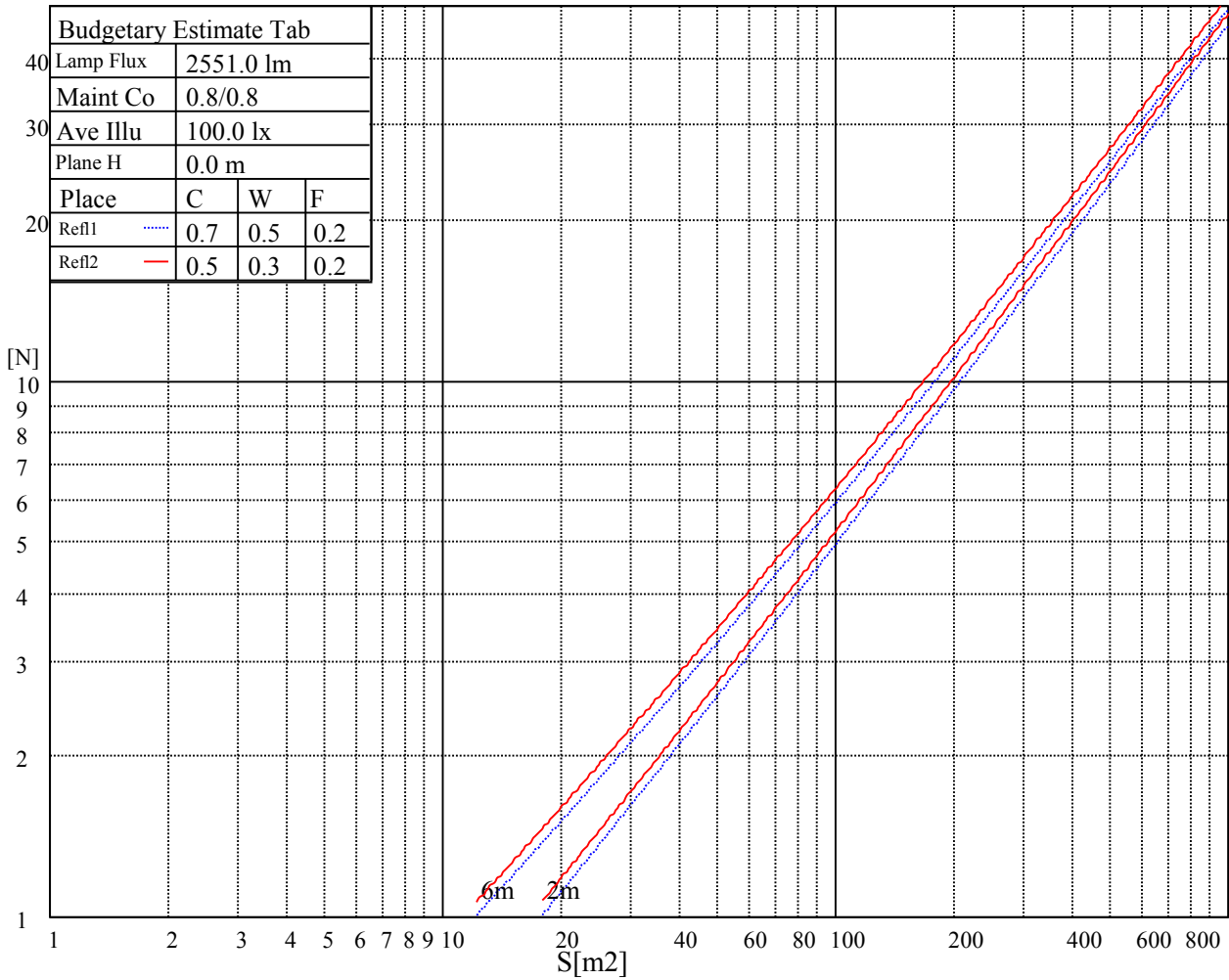
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

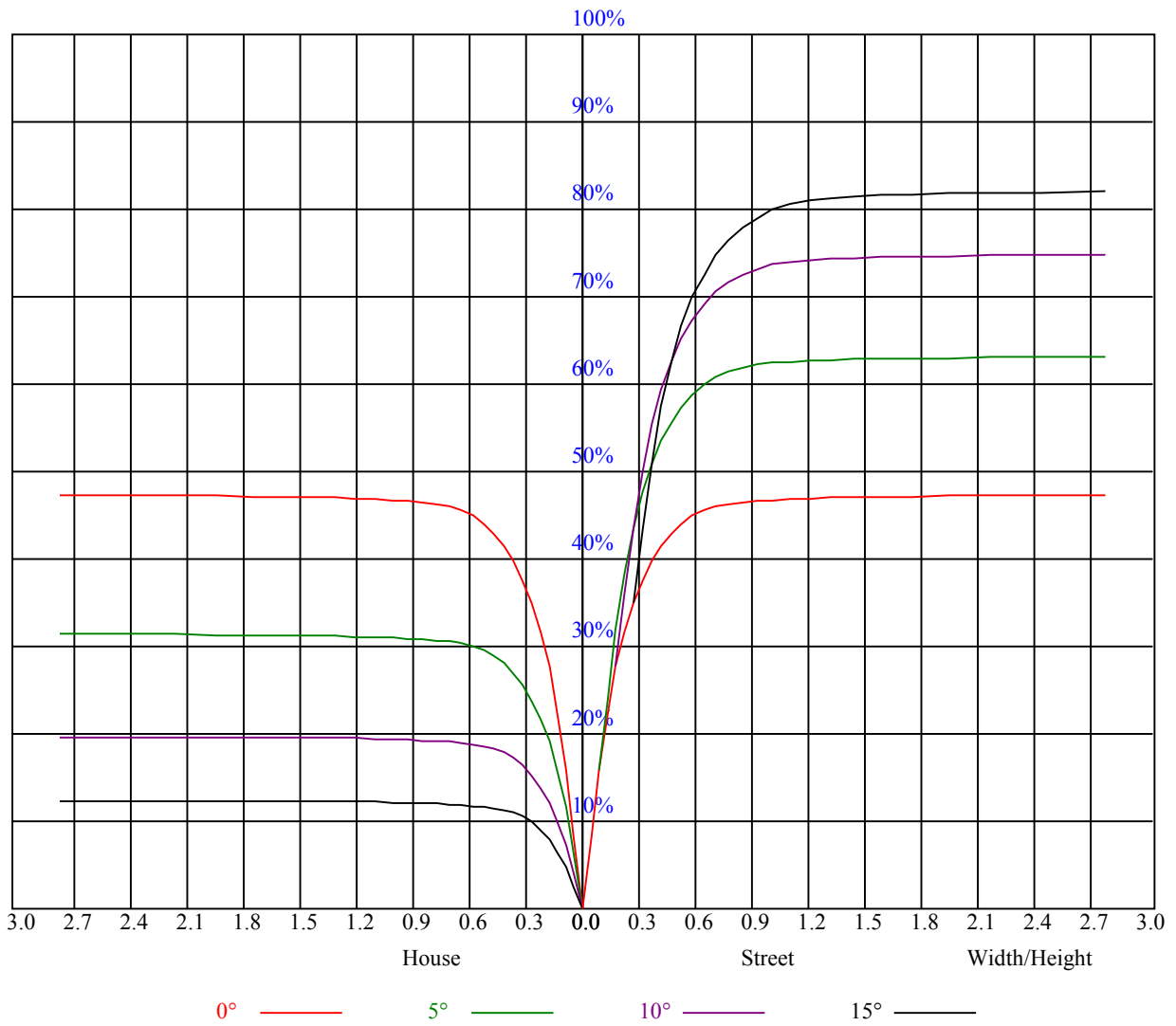


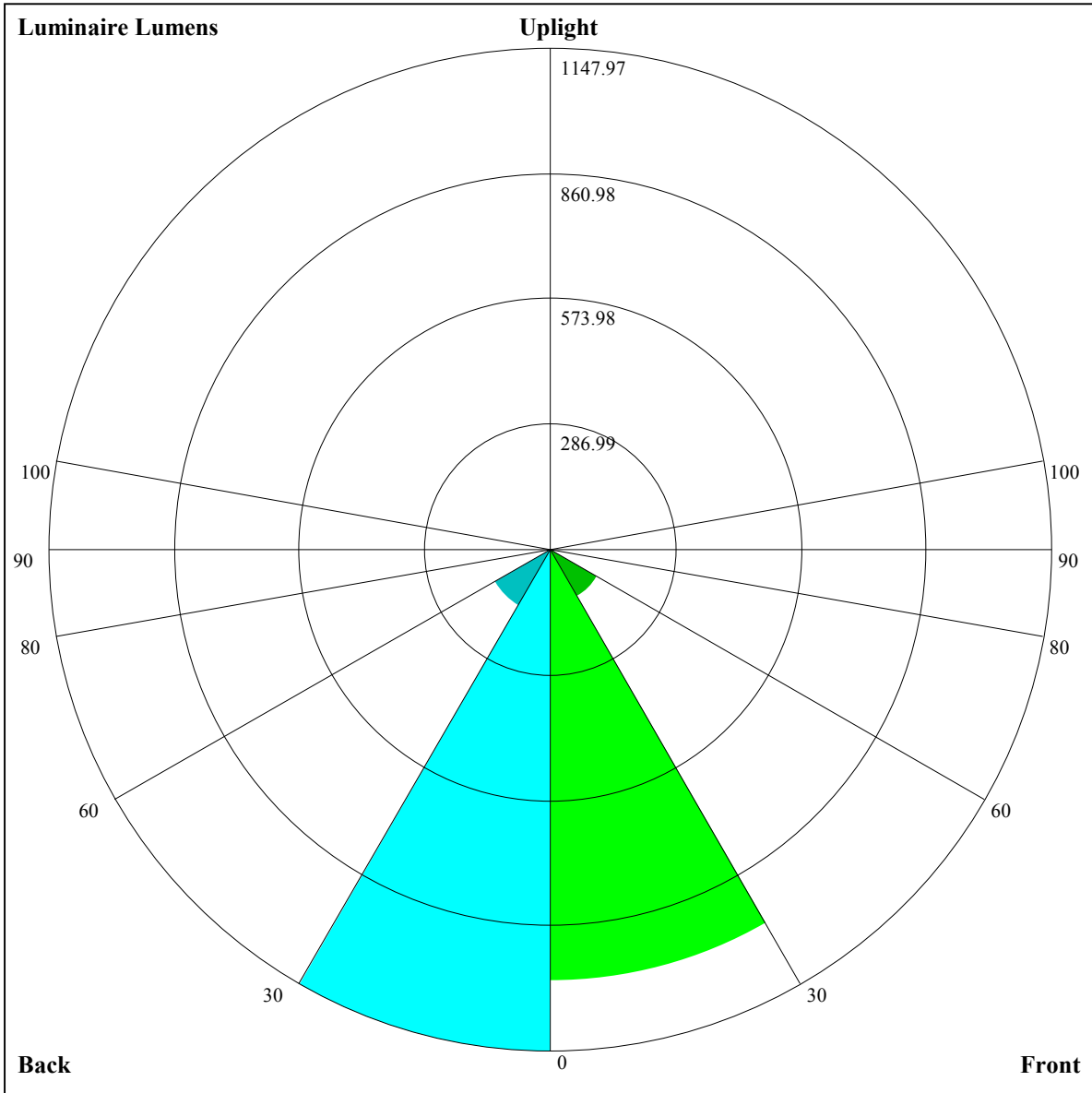
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.05	1.03	1.04	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	0.90	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.88	0.84	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.84	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	0.73	0.72
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	0.67	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





Luminaire Lumens:

FL=988.04,FM=121.9,FH=9.5,FVH=1.05

BL=1147.97,BM=149.57,BH=10.72,BVH=1.26

UL=0,UH=0

BUG Rating:B3-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	12650.95	11036.60	10661.04	10469.92	9444.22	8346.03	7277.96	6278.96	5366.89
45.0	13079.97	12745.67	12221.94	11475.34	10583.88	9603.27	8555.81	7497.20	6488.74
90.0	12829.24	12338.94	10853.26	10853.26	9870.97	8827.40	7764.37	6759.22	6006.53
135.0	13035.39	13052.11	12806.96	12255.37	11742.78	10951.61	9993.29	8956.97	7903.93
180.0	12650.95	12996.39	13124.54	12946.25	12600.81	12049.22	11609.06	10388.87	9759.28
225.0	13079.97	13191.40	13052.11	12650.95	11110.14	10938.52	10551.29	9508.82	8430.71
270.0	12829.24	13063.25	13085.54	12851.53	12394.66	12021.36	10907.03	10333.16	9280.12
315.0	13035.39	12812.53	12383.51	10904.51	10904.51	9925.59	8863.61	7798.33	6752.55
360.0	12650.95	11036.60	10661.04	10469.92	9444.22	8346.03	7277.96	6278.96	5366.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4574.62	4008.52	3449.68	3008.41	2635.69	2327.57	2073.49	1861.24	1691.30
45.0	5574.99	4744.82	4042.79	3480.06	3201.48	2939.61	2939.61	2165.42	1926.94
90.0	4958.48	4367.31	3737.19	3245.79	2815.09	2463.50	2191.07	1954.80	1764.26
135.0	6862.03	5914.86	5067.97	4326.95	3725.21	3240.48	2844.89	2844.89	2239.53
180.0	8722.96	7636.49	6605.74	5658.56	4833.96	4126.37	3541.35	3084.47	2766.89
225.0	7342.61	6325.74	5395.86	4577.93	3916.59	3390.65	2949.33	2587.76	2273.54
270.0	8215.94	7151.76	6148.87	5257.41	4488.52	3864.50	3357.48	2928.47	2928.47
315.0	5810.94	4967.94	4255.35	3670.86	3196.17	2954.38	2591.12	2294.67	2043.95
360.0	4574.62	4008.52	3449.68	3008.41	2635.69	2327.57	2073.49	1861.24	1691.30
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1554.22	1438.32	1331.93	1241.63	1080.58	1080.58	999.48	945.44	827.86
45.0	1729.73	1572.04	1440.58	1326.36	1228.28	1140.24	1059.45	980.34	904.55
90.0	1608.83	1489.57	1380.40	1291.78	1104.23	1088.94	1055.98	1008.04	927.10
135.0	2003.31	1879.06	1702.97	1565.94	1444.47	1339.71	1245.57	1156.95	1075.64
180.0	2766.89	2072.96	1872.91	1699.08	1557.01	1489.57	1338.03	1277.32	1188.70
225.0	2021.66	1891.30	1635.59	1549.23	1422.18	1304.60	1091.14	1091.14	1025.60
270.0	2235.06	1999.95	1801.58	1641.68	1558.69	1389.86	1287.36	1226.07	1135.24
315.0	1835.59	1671.22	1533.62	1417.14	1308.49	1093.46	1093.46	1022.45	935.61
360.0	1554.22	1438.32	1331.93	1241.63	1080.58	1080.58	999.48	945.44	827.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	777.66	690.15	557.32	501.97	417.71	350.91	296.08	248.99	207.04
45.0	830.49	750.22	666.12	581.97	495.61	416.51	363.57	306.18	296.14
90.0	813.30	758.27	668.33	572.93	481.63	401.68	338.66	285.68	240.74
135.0	995.38	912.91	829.33	740.19	648.25	555.80	466.07	388.65	326.78
180.0	1106.28	1018.24	932.41	844.94	757.48	668.33	575.82	485.05	404.78
225.0	941.97	859.34	780.19	692.35	605.05	516.74	435.90	363.15	305.91
270.0	1050.57	965.84	880.05	794.27	703.44	610.93	516.79	434.32	360.79
315.0	846.10	754.53	701.87	571.93	483.31	432.96	336.82	303.39	255.24
360.0	777.66	690.15	557.32	501.97	417.71	350.91	296.08	248.99	207.04
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	171.62	141.08	115.58	94.67	77.53	64.23	53.51	45.73	39.84
45.0	276.64	178.50	147.91	121.63	100.87	83.89	70.28	59.55	51.20
90.0	201.00	166.31	137.29	112.80	92.77	76.53	63.55	53.30	45.57
135.0	284.99	284.99	200.58	166.36	137.08	113.01	93.14	76.43	62.76
180.0	338.50	287.78	287.78	203.42	175.93	145.13	115.58	99.19	82.10
225.0	276.69	216.45	194.53	161.63	133.67	110.01	90.83	75.32	62.71
270.0	305.07	284.47	241.89	177.35	151.59	118.84	101.34	83.31	68.17
315.0	213.04	177.61	146.65	120.63	99.40	81.79	67.54	56.82	48.41
360.0	171.62	141.08	115.58	94.67	77.53	64.23	53.51	45.73	39.84

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	35.48	32.96	30.28	28.75	26.96	25.60	24.91	24.02	23.50
45.0	44.68	39.95	36.48	34.69	31.22	30.17	28.75	27.49	26.39
90.0	40.05	35.85	33.53	30.54	28.75	27.12	25.97	24.70	23.86
135.0	52.62	44.78	39.11	34.90	32.06	29.70	27.49	26.44	24.81
180.0	67.96	56.98	48.73	42.42	37.63	34.11	31.54	29.28	27.17
225.0	53.09	45.62	40.16	36.22	33.17	30.85	28.70	26.86	25.76
270.0	56.40	47.31	40.47	35.53	31.91	29.28	27.28	25.49	24.18
315.0	42.10	37.27	33.64	31.01	28.80	27.49	25.23	24.34	23.71
360.0	35.48	32.96	30.28	28.75	26.96	25.60	24.91	24.02	23.50
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.23	22.86	22.71	22.55	21.97	20.97	19.97	18.08	15.77
45.0	25.76	25.28	24.70	24.23	23.76	23.07	21.87	20.50	18.40
90.0	23.55	23.18	22.60	22.34	21.92	20.92	19.71	18.40	16.14
135.0	23.71	23.18	22.81	22.60	22.29	22.02	21.87	21.29	20.03
180.0	25.86	24.76	23.65	23.18	22.81	22.55	22.18	22.18	21.45
225.0	25.23	24.02	23.65	23.50	23.13	22.81	22.71	22.02	20.92
270.0	23.39	22.65	22.18	22.18	22.02	21.81	21.87	21.87	20.76
315.0	22.86	22.71	22.50	22.23	22.02	21.76	20.87	19.71	18.50
360.0	23.23	22.86	22.71	22.55	21.97	20.97	19.97	18.08	15.77
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.03	12.19	10.67	9.67	8.83	8.20	7.52	7.25	6.57
45.0	15.93	13.98	12.25	10.83	9.78	8.88	8.25	7.73	6.99
90.0	14.14	12.40	10.83	9.78	8.88	8.46	7.52	7.15	6.68
135.0	18.82	17.03	14.93	13.19	11.62	10.35	9.46	8.62	7.99
180.0	20.50	19.76	18.40	16.29	14.24	12.56	10.88	9.83	8.99
225.0	19.71	17.98	15.72	13.93	12.14	10.62	9.62	8.78	7.99
270.0	20.08	18.98	15.98	14.77	12.98	11.30	9.88	8.94	8.20
315.0	16.56	14.51	12.93	11.35	10.14	9.25	8.57	7.88	7.46
360.0	14.03	12.19	10.67	9.67	8.83	8.20	7.52	7.25	6.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.10	5.89	5.47	5.05	4.73	4.31	3.89	3.47	3.10
45.0	6.68	6.20	5.83	5.47	5.05	4.63	4.26	3.89	3.36
90.0	5.99	5.83	5.41	4.99	4.63	4.26	3.84	3.47	3.15
135.0	7.46	6.94	6.47	5.99	5.68	5.26	4.78	4.52	4.10
180.0	8.25	7.62	7.10	6.62	6.15	5.73	5.31	5.05	4.63
225.0	7.46	6.94	6.52	6.04	5.62	5.26	4.99	4.57	4.15
270.0	7.57	6.99	6.52	6.04	5.68	5.26	4.94	4.57	4.15
315.0	6.83	6.47	6.04	5.62	5.20	4.84	4.52	4.10	3.68
360.0	6.10	5.89	5.47	5.05	4.73	4.31	3.89	3.47	3.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.79	2.42	2.05	1.79	1.52	1.37	1.10	0.84	0.89
45.0	3.00	2.68	2.26	1.94	1.68	1.37	1.16	1.00	0.89
90.0	2.73	2.42	2.10	1.84	1.52	1.37	1.16	0.95	0.79
135.0	3.78	3.26	2.94	2.47	2.21	1.89	1.68	1.42	1.21
180.0	4.21	3.84	3.57	3.05	2.63	2.21	2.00	1.73	1.47
225.0	3.78	3.36	2.89	2.63	2.21	1.89	1.58	1.37	1.16
270.0	3.84	3.42	3.00	2.63	2.21	1.94	1.68	1.37	1.21
315.0	3.26	2.89	2.52	2.21	1.89	1.68	1.37	1.21	0.95
360.0	2.79	2.42	2.05	1.79	1.52	1.37	1.10	0.84	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.89
90.0	0.79
135.0	0.95
180.0	1.26
225.0	1.05
270.0	1.05
315.0	0.68
360.0	0.89