



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: 2-2679-L

Luminaire: 92.70.411.00

Report No: 2024407-B015

Ballast type: AC

Test No: 2024407-C015

Voltage(V): 34.880

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2388.0

Power (W): 13.986

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2034.23, Efficiency(%): 85.19% , Luminous Efficacy(lm/W): 145.45

Central intensity(cd): 6881.280, Maximum intensity(cd): 6881.280

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.6

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=60.6

[C90/270]Total=60.6

Maximum s/h(1/2): C0_180=0.40 C90_270=0.40

Maximum s/h(1/4): C0_180=0.46 C90_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.19%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.069%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
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	6881.280	0.000	0	0.00%	0.00%
1.0	6837.169	6.564	6.564	0.27%	0.32%
2.0	6706.371	19.439	26.003	0.81%	1.28%
3.0	6489.911	31.561	57.564	1.32%	2.83%
4.0	6204.980	42.494	100.058	1.78%	4.92%
5.0	5859.258	51.900	151.958	2.17%	7.47%
6.0	5507.757	59.737	211.694	2.50%	10.41%
7.0	5141.919	66.102	277.797	2.77%	13.66%
8.0	4774.178	70.968	348.764	2.97%	17.14%
9.0	4408.778	74.423	423.187	3.12%	20.80%
10.0	4045.938	76.512	499.699	3.20%	24.56%
11.0	3728.088	77.679	577.378	3.25%	28.38%
12.0	3384.707	77.753	655.131	3.26%	32.21%
13.0	3088.291	76.818	731.949	3.22%	35.98%
14.0	2810.455	75.503	807.453	3.16%	39.69%
15.0	2564.002	73.783	881.235	3.09%	43.32%
16.0	2336.862	71.811	953.047	3.01%	46.85%
17.0	2137.739	69.682	1022.728	2.92%	50.28%
18.0	1966.780	67.675	1090.403	2.83%	53.60%
19.0	1810.159	65.711	1156.114	2.75%	56.83%
20.0	1679.362	63.868	1219.982	2.67%	59.97%
21.0	1555.733	62.120	1282.102	2.60%	63.03%
22.0	1434.445	60.089	1342.191	2.52%	65.98%
23.0	1295.498	57.282	1399.473	2.40%	68.80%
24.0	1216.829	54.928	1454.401	2.30%	71.50%
25.0	1150.450	53.827	1508.228	2.25%	74.14%
26.0	1064.385	52.281	1560.51	2.19%	76.71%
27.0	978.979	49.991	1610.501	2.09%	79.17%
28.0	889.564	47.308	1657.808	1.98%	81.50%
29.0	800.595	44.219	1702.028	1.85%	83.67%
30.0	713.558	40.882	1742.91	1.71%	85.68%
31.0	613.272	36.924	1779.833	1.55%	87.49%
32.0	528.904	32.722	1812.555	1.37%	89.10%
33.0	447.529	28.766	1841.321	1.20%	90.52%
34.0	366.322	24.630	1865.951	1.03%	91.73%
35.0	301.223	20.731	1886.682	0.87%	92.75%
36.0	258.713	17.828	1904.511	0.75%	93.62%
37.0	208.135	15.226	1919.737	0.64%	94.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	144.829	11.781	1931.518	0.49%	94.95%
39.0	106.065	8.564	1940.082	0.36%	95.37%
40.0	83.029	6.595	1946.677	0.28%	95.70%
41.0	64.309	5.247	1951.923	0.22%	95.95%
42.0	52.319	4.237	1956.161	0.18%	96.16%
43.0	43.768	3.559	1959.72	0.15%	96.34%
44.0	37.945	3.084	1962.804	0.13%	96.49%
45.0	33.504	2.746	1965.55	0.11%	96.62%
46.0	30.227	2.492	1968.042	0.10%	96.75%
47.0	27.769	2.307	1970.349	0.10%	96.86%
48.0	25.765	2.164	1972.513	0.09%	96.97%
49.0	24.148	2.050	1974.563	0.09%	97.07%
50.0	22.868	1.960	1976.523	0.08%	97.16%
51.0	21.800	1.890	1978.413	0.08%	97.26%
52.0	21.046	1.839	1980.251	0.08%	97.35%
53.0	20.446	1.805	1982.056	0.08%	97.44%
54.0	20.110	1.788	1983.844	0.07%	97.52%
55.0	19.912	1.787	1985.63	0.07%	97.61%
56.0	19.912	1.800	1987.43	0.08%	97.70%
57.0	20.029	1.826	1989.256	0.08%	97.79%
58.0	20.227	1.862	1991.118	0.08%	97.88%
59.0	20.446	1.901	1993.019	0.08%	97.97%
60.0	20.519	1.935	1994.955	0.08%	98.07%
61.0	20.337	1.950	1996.904	0.08%	98.17%
62.0	19.795	1.934	1998.838	0.08%	98.26%
63.0	18.932	1.884	2000.722	0.08%	98.35%
64.0	17.820	1.803	2002.525	0.08%	98.44%
65.0	16.694	1.708	2004.233	0.07%	98.53%
66.0	15.545	1.608	2005.842	0.07%	98.60%
67.0	14.623	1.517	2007.359	0.06%	98.68%
68.0	13.906	1.445	2008.804	0.06%	98.75%
69.0	13.365	1.391	2010.195	0.06%	98.82%
70.0	12.963	1.352	2011.547	0.06%	98.89%
71.0	12.619	1.322	2012.869	0.06%	98.95%
72.0	12.356	1.299	2014.168	0.05%	99.01%
73.0	12.231	1.286	2015.454	0.05%	99.08%
74.0	12.070	1.278	2016.731	0.05%	99.14%
75.0	11.865	1.265	2017.996	0.05%	99.20%

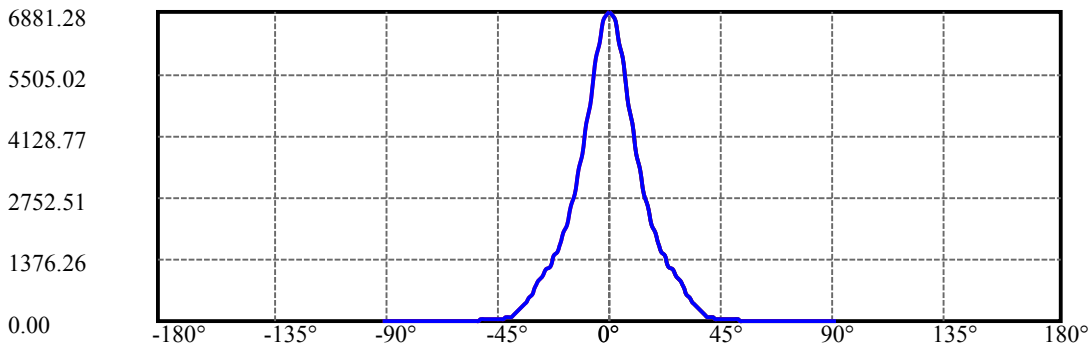
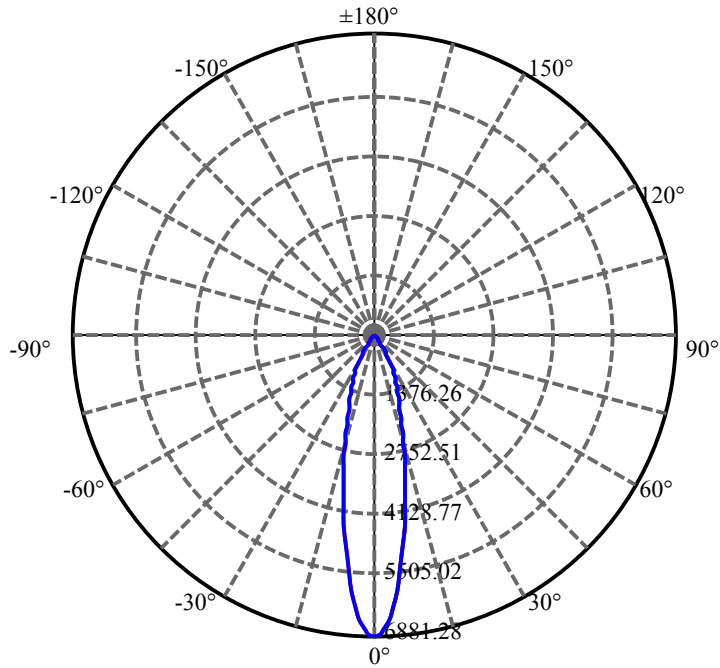
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.602	1.246	2019.242	0.05%	99.26%
77.0	11.324	1.222	2020.464	0.05%	99.32%
78.0	11.010	1.196	2021.66	0.05%	99.38%
79.0	10.724	1.168	2022.827	0.05%	99.44%
80.0	10.476	1.143	2023.97	0.05%	99.50%
81.0	10.227	1.120	2025.09	0.05%	99.55%
82.0	9.956	1.094	2026.184	0.05%	99.60%
83.0	9.751	1.071	2027.256	0.04%	99.66%
84.0	9.554	1.052	2028.307	0.04%	99.71%
85.0	9.364	1.032	2029.34	0.04%	99.76%
86.0	9.159	1.012	2030.352	0.04%	99.81%
87.0	8.983	0.993	2031.345	0.04%	99.86%
88.0	8.808	0.975	2032.32	0.04%	99.91%
89.0	8.683	0.959	2033.278	0.04%	99.95%
90.0	8.632	0.949	2034.228	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1742.91	72.99%	85.68%
0-40	1946.68	81.52%	95.70%
0-60	1994.95	83.54%	98.07%
0-90	2033.28	85.15%	99.95%
0-120	2033.28	85.15%	99.95%
0-180	2034.23	85.19%	100.00%
60-90	38.32	1.60%	1.88%
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%
0-27.36	1627.38	68.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	499.70
10-20	720.28
20-30	522.93
30-40	203.77
40-50	29.85
50-60	18.43
60-70	16.59
70-80	12.42
80-90	9.31
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: —————

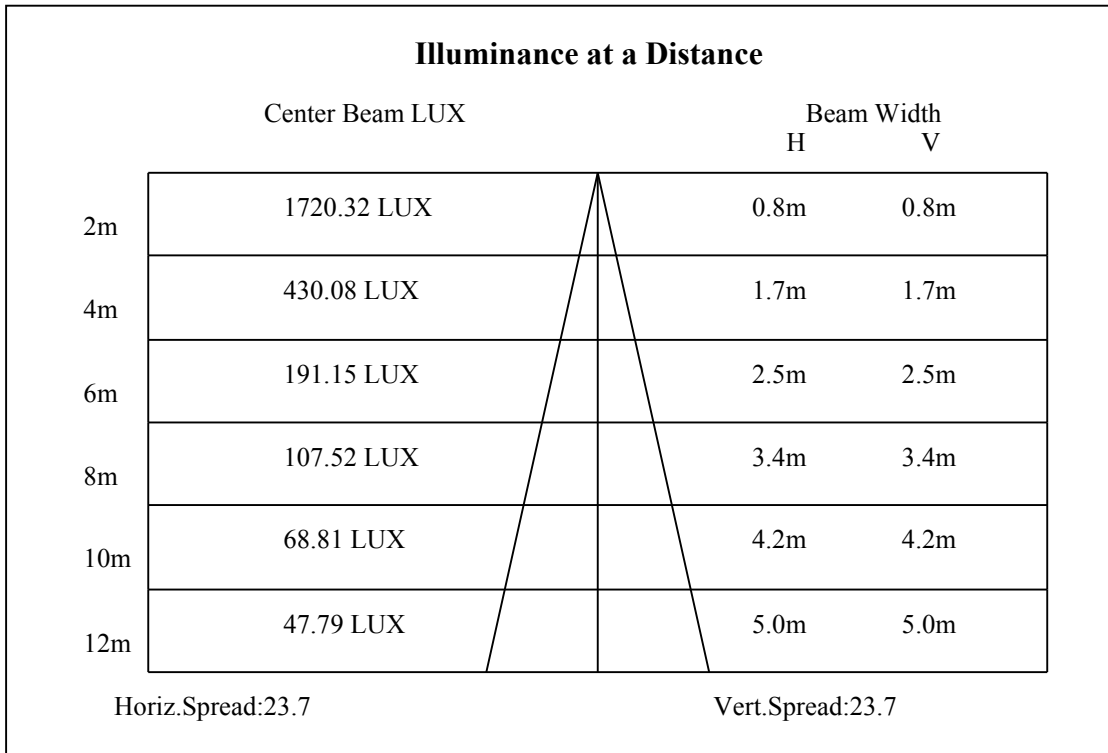
C90/C270: —————

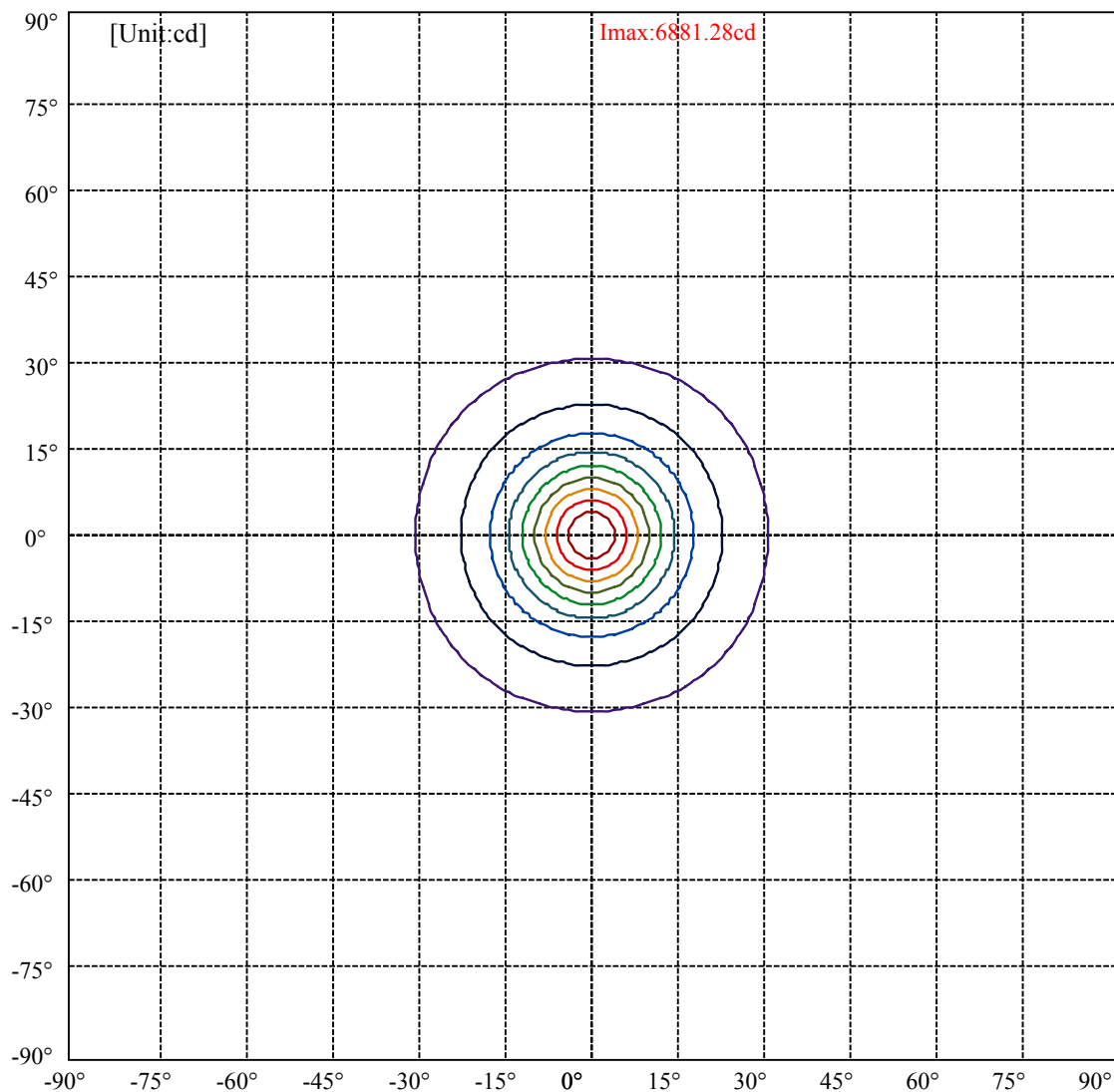
Field angle(10%Imax):C0/180Left:30.3 Right:30.3

:C90/270Left:30.3 Right:30.3

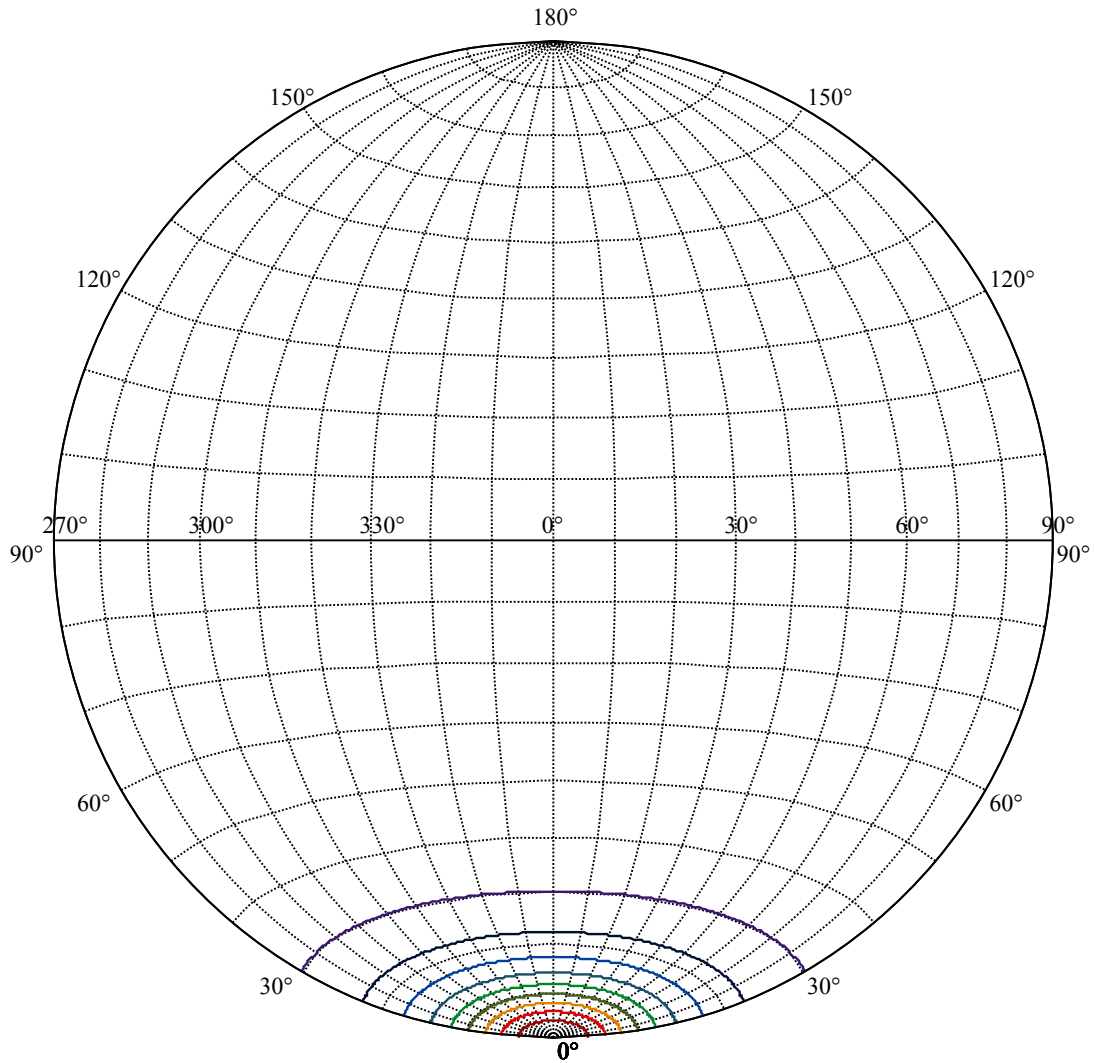
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8

:C90/270Left:11.8 Right:11.8





(10%Imax) 688.128	—
(20%Imax) 1376.26	—
(30%Imax) 2064.38	—
(40%Imax) 2752.51	—
(50%Imax) 3440.64	—
(60%Imax) 4128.77	—
(70%Imax) 4816.9	—
(80%Imax) 5505.02	—
(90%Imax) 6193.15	—



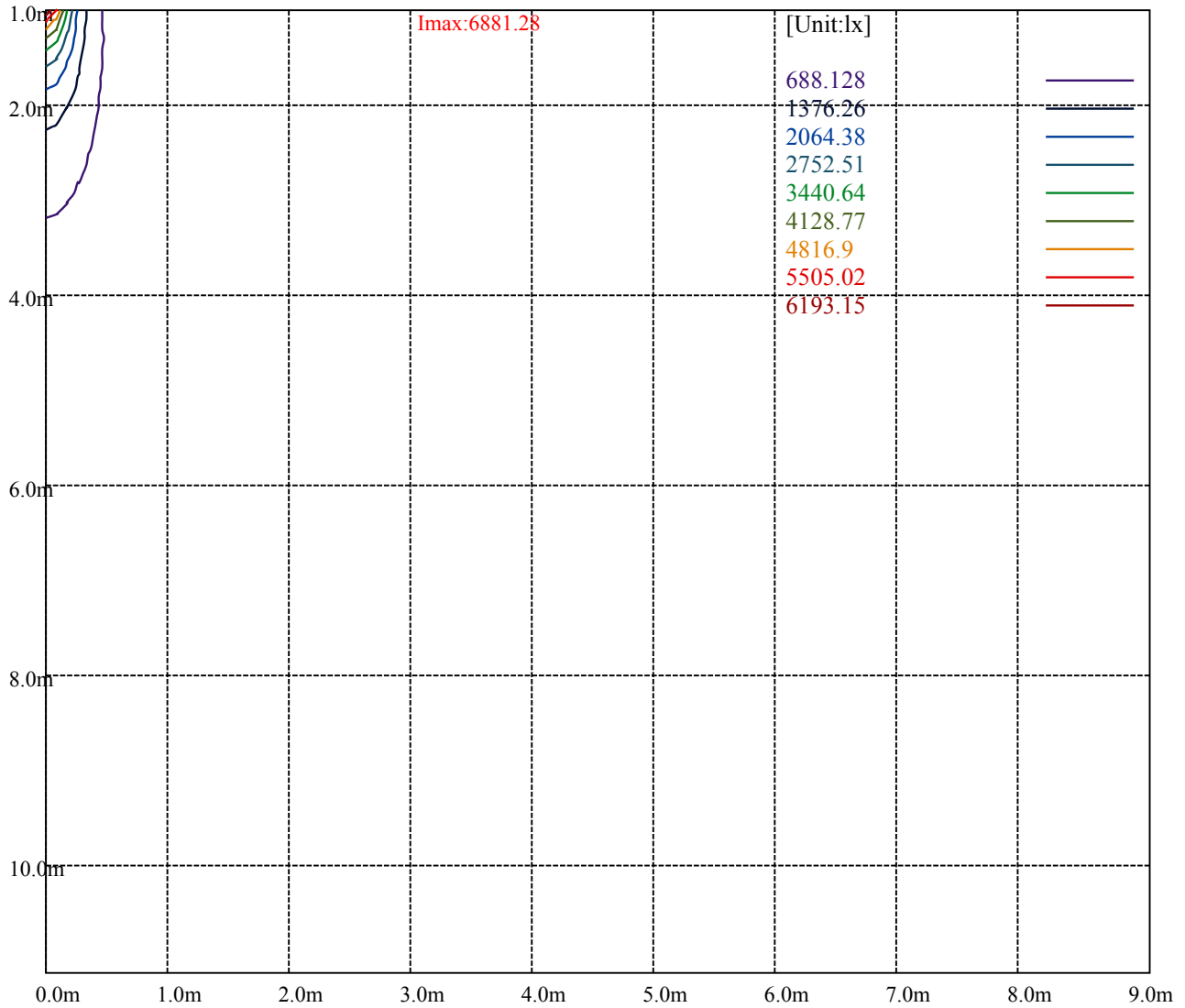
House

[Unit:cd]

Road

Imax:6881.28

(10%Imax) 688.128	—
(20%Imax) 1376.26	—
(30%Imax) 2064.38	—
(40%Imax) 2752.51	—
(50%Imax) 3440.64	—
(60%Imax) 4128.77	—
(70%Imax) 4816.9	—
(80%Imax) 5505.02	—
(90%Imax) 6193.15	—



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

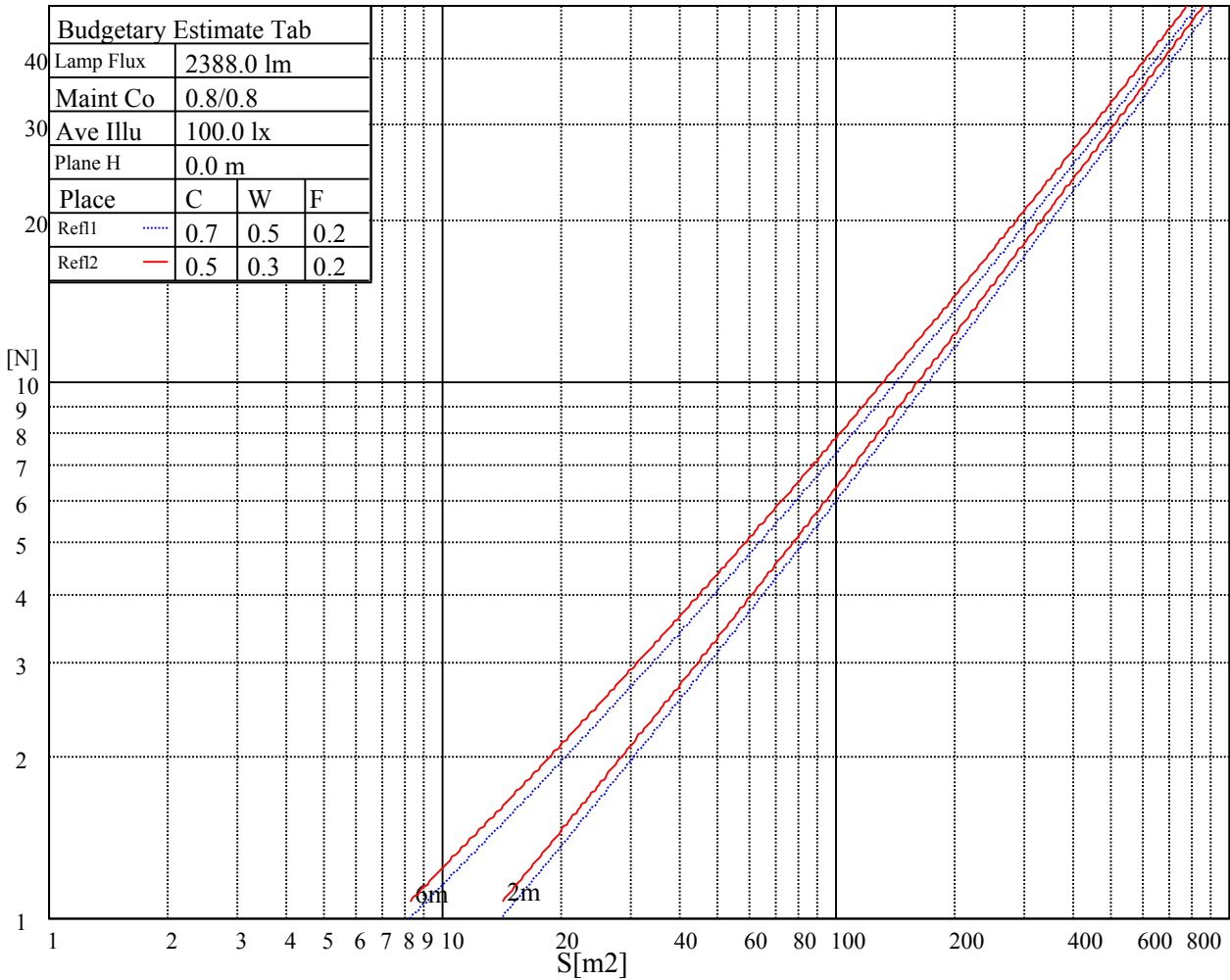
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

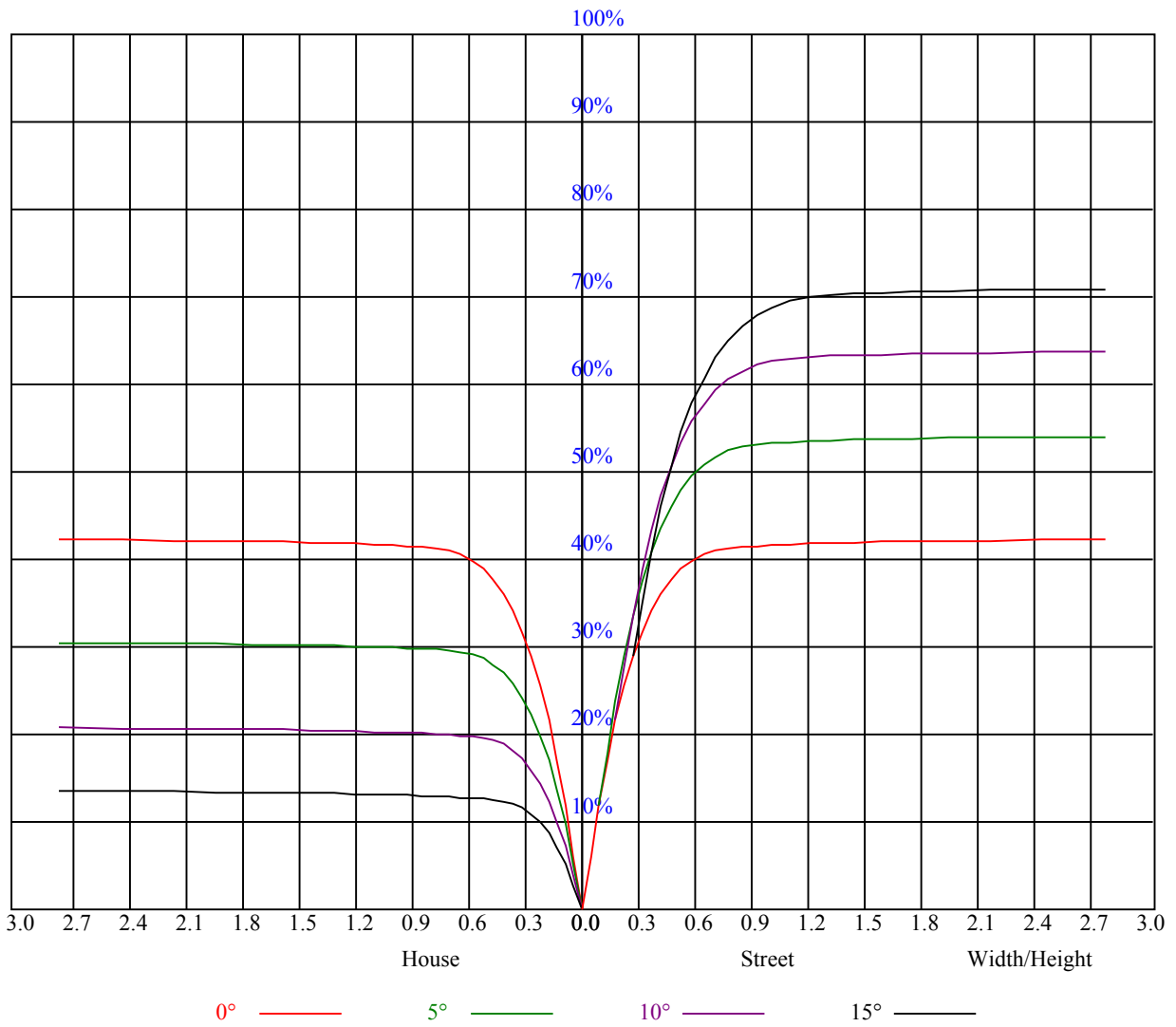


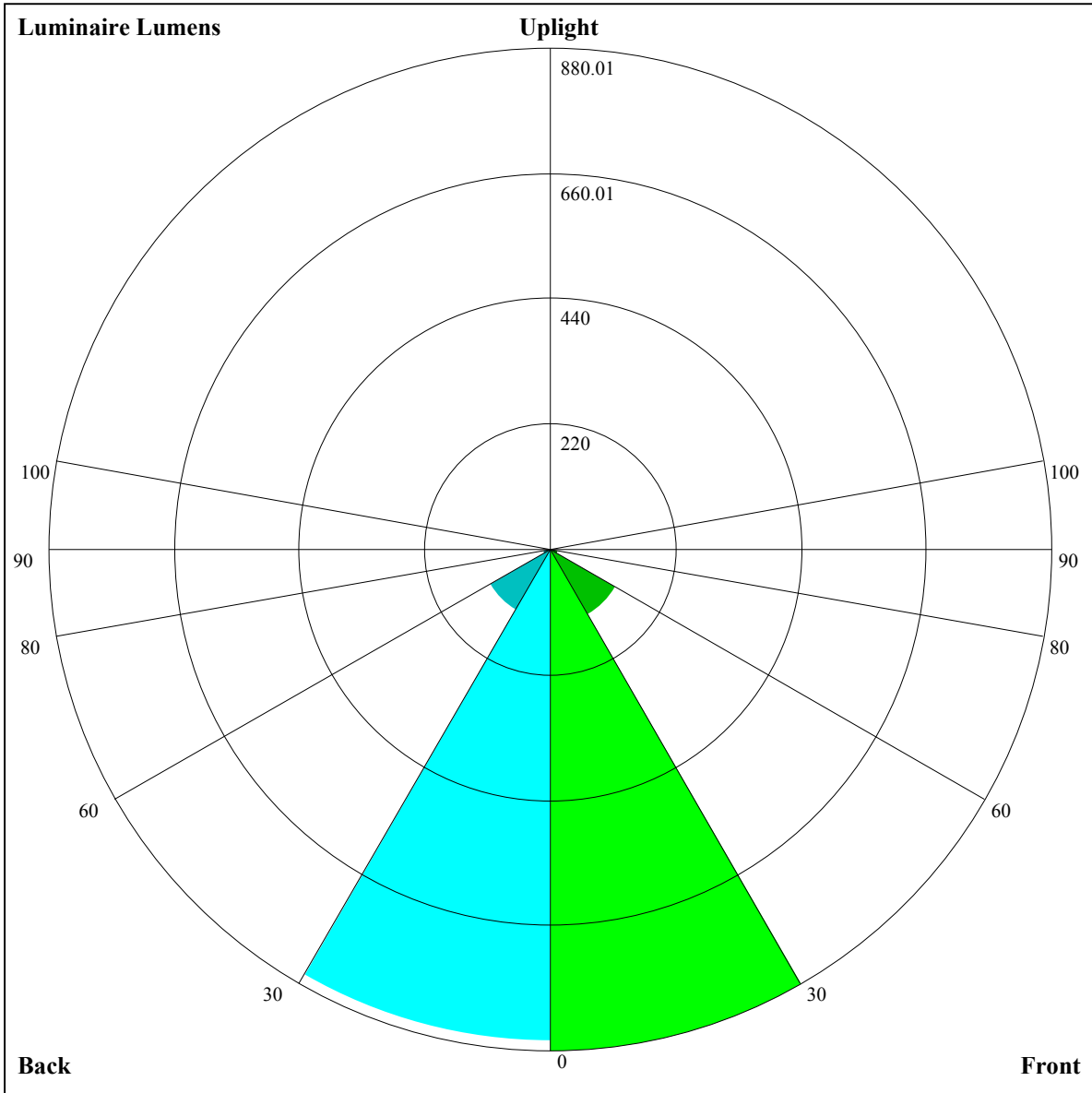
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.76	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.74	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.69
5	0.77	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54





Luminaire Lumens:

FL=880.01,FM=131.17,FH=14.49,FVH=5.14

BL=862.11,BM=123.59,BH=14.45,BVH=5.12

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	6903.37	6858.90	6689.77	6444.56	6161.31	5766.28	5432.12	5082.15	4734.53
45.0	6858.31	6899.86	6890.50	6764.09	6474.40	6195.25	5880.98	5475.42	5138.33
90.0	6909.22	6855.97	6635.92	6390.13	6119.17	5804.91	5400.51	5057.57	4724.58
135.0	6854.21	6894.59	6829.63	6660.50	6336.87	6043.68	5718.29	5370.67	4939.36
180.0	6903.37	6863.58	6751.80	6549.90	6269.57	5886.84	5542.72	5189.83	4831.68
225.0	6858.31	6707.91	6510.69	6246.16	5945.94	5528.09	5178.71	4742.14	4382.81
270.0	6909.22	6867.09	6752.38	6553.41	6323.41	5964.67	5645.72	5306.29	4878.49
315.0	6854.21	6749.46	6590.28	6310.54	6009.15	5684.35	5262.99	4911.27	4563.64
360.0	6903.37	6858.90	6689.77	6444.56	6161.31	5766.28	5432.12	5082.15	4734.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4398.61	4010.61	3696.34	3393.19	3050.84	2807.38	2589.09	2333.94	2154.86
45.0	4800.66	4400.37	4075.57	3751.94	3379.15	3097.07	2835.47	2542.28	2338.03
90.0	4304.97	3970.22	3644.84	3270.88	2995.24	2744.18	2456.83	2257.86	2080.53
135.0	4597.00	4276.30	3956.18	3545.35	3249.81	2912.14	2664.00	2436.35	2195.24
180.0	4392.76	4069.71	3750.77	3360.42	3080.10	2818.50	2523.55	2318.72	2101.02
225.0	4038.70	3648.94	3346.38	3071.90	2814.41	2534.67	2327.50	2142.57	1975.78
270.0	4535.55	4179.74	3849.08	3462.83	3174.32	2904.53	2664.00	2399.48	2208.70
315.0	4201.97	3811.63	3505.56	3221.14	2962.47	2665.17	2451.57	2263.71	2047.76
360.0	4398.61	4010.61	3696.34	3393.19	3050.84	2807.38	2589.09	2333.94	2154.86
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1996.85	1821.86	1697.80	1583.68	1456.10	1356.61	1157.46	1157.46	1074.77
45.0	2157.20	1990.99	1816.60	1696.04	1581.92	1475.41	1356.02	1262.97	1155.88
90.0	1889.16	1756.32	1632.84	1519.89	1393.48	1147.45	1147.45	1128.31	1031.28
135.0	2023.77	1875.12	1741.69	1593.63	1483.60	1384.12	1289.89	1182.21	1101.45
180.0	1935.98	1790.26	1666.78	1529.84	1426.84	1330.86	1240.74	1135.98	1055.80
225.0	1793.19	1667.36	1552.08	1416.89	1264.14	1150.84	1130.30	1051.30	974.40
270.0	2040.74	1844.69	1711.84	1598.89	1464.88	1356.61	1250.68	1162.90	1080.97
315.0	1897.36	1734.67	1615.28	1507.01	1404.60	1162.08	1162.08	1122.46	1040.53
360.0	1996.85	1821.86	1697.80	1583.68	1456.10	1356.61	1157.46	1157.46	1074.77
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	993.65	912.31	827.22	723.98	638.13	554.44	471.34	375.25	308.24
45.0	1069.26	990.26	885.50	805.33	721.06	636.78	531.44	453.61	381.04
90.0	952.98	873.80	768.22	684.30	577.27	496.91	419.37	351.31	273.01
135.0	1018.35	918.28	834.00	752.66	644.39	561.29	481.70	390.99	324.86
180.0	977.97	870.87	790.70	702.33	589.97	511.55	433.71	339.49	307.89
225.0	873.92	787.95	703.15	615.95	509.73	431.90	359.97	297.59	228.41
270.0	1004.30	901.89	821.13	734.52	644.98	542.56	464.14	388.06	311.98
315.0	941.39	861.16	774.84	689.40	580.66	495.80	418.55	334.28	274.35
360.0	993.65	912.31	827.22	723.98	638.13	554.44	471.34	375.25	308.24
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	231.98	181.01	139.46	99.96	78.07	62.03	48.63	41.43	36.40
45.0	314.32	297.94	227.30	142.68	110.49	81.70	65.55	54.02	43.83
90.0	219.23	173.69	134.89	98.14	77.89	63.15	52.03	42.37	37.10
135.0	309.64	238.01	151.92	117.51	91.70	69.12	56.65	47.58	41.02
180.0	307.89	171.41	124.42	99.37	78.30	62.33	49.63	42.49	37.51
225.0	181.13	141.98	103.82	81.23	64.32	50.21	42.60	36.17	32.48
270.0	297.35	297.35	149.58	117.10	90.89	67.48	54.95	45.88	39.56
315.0	208.16	163.69	127.23	92.52	72.57	58.46	48.52	40.20	35.64
360.0	231.98	181.01	139.46	99.96	78.07	62.03	48.63	41.43	36.40

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	32.66	29.20	27.04	25.28	23.88	22.47	21.54	20.78	20.19
45.0	38.22	33.18	30.26	27.97	25.63	24.17	22.88	21.95	21.01
90.0	32.36	29.55	27.27	25.16	23.76	22.59	21.71	20.83	20.37
135.0	35.29	32.01	29.32	26.80	25.16	23.76	22.41	21.65	21.01
180.0	33.59	30.02	27.80	25.57	24.17	22.94	21.83	21.07	20.54
225.0	29.73	27.45	25.28	23.82	22.59	21.71	20.78	20.31	19.96
270.0	34.00	30.84	28.32	26.34	24.29	23.00	21.89	21.07	20.31
315.0	32.19	29.55	26.86	25.16	23.70	22.30	21.36	20.72	20.19
360.0	32.66	29.20	27.04	25.28	23.88	22.47	21.54	20.78	20.19
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.84	19.61	19.66	19.84	20.07	20.42	20.60	20.42	20.07
45.0	20.54	20.19	20.01	20.01	20.07	20.25	20.60	20.66	20.42
90.0	20.07	19.96	19.96	20.07	20.25	20.42	20.37	20.07	19.25
135.0	20.48	20.25	20.07	20.13	20.25	20.42	20.60	20.54	20.13
180.0	20.25	20.01	19.96	20.07	20.19	20.42	20.54	20.31	19.72
225.0	19.84	19.84	20.01	20.25	20.48	20.60	20.31	19.90	19.02
270.0	19.90	19.66	19.72	19.78	20.13	20.37	20.54	20.42	19.96
315.0	19.96	19.78	19.90	20.07	20.37	20.66	20.60	20.37	19.78
360.0	19.84	19.61	19.66	19.84	20.07	20.42	20.60	20.42	20.07
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.14	18.20	17.03	15.63	14.75	14.05	13.40	13.05	12.70
45.0	19.72	18.90	17.91	16.50	15.45	14.57	13.93	13.28	12.87
90.0	18.38	17.15	16.04	15.10	14.34	13.58	13.11	12.76	12.47
135.0	19.49	18.38	17.38	16.27	15.16	14.46	13.87	13.40	12.99
180.0	18.84	17.67	16.50	15.51	14.51	13.87	13.40	13.05	12.70
225.0	17.91	16.56	15.45	14.57	13.93	13.23	12.87	12.52	12.23
270.0	19.14	18.14	16.97	15.51	14.63	13.87	13.23	12.87	12.52
315.0	18.84	17.56	16.27	15.27	14.22	13.64	13.11	12.76	12.47
360.0	19.14	18.20	17.03	15.63	14.75	14.05	13.40	13.05	12.70
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.35	12.11	11.88	11.65	11.41	11.24	11.00	10.71	10.53
45.0	12.58	12.29	12.06	11.82	11.53	11.35	11.18	10.89	10.71
90.0	12.23	12.11	12.00	11.82	11.53	11.18	10.83	10.53	10.30
135.0	13.05	13.46	13.69	13.40	12.93	12.35	11.70	11.24	10.77
180.0	12.41	12.17	11.94	11.70	11.47	11.29	11.06	10.83	10.59
225.0	12.00	11.82	11.53	11.35	11.18	10.89	10.65	10.48	10.24
270.0	12.11	11.94	11.70	11.47	11.29	11.12	10.77	10.53	10.36
315.0	12.11	11.94	11.76	11.70	11.47	11.18	10.89	10.59	10.30
360.0	12.35	12.11	11.88	11.65	11.41	11.24	11.00	10.71	10.53
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.30	10.01	9.77	9.54	9.36	9.25	9.01	8.90	8.72
45.0	10.48	10.18	10.01	9.77	9.60	9.42	9.19	8.95	8.78
90.0	10.07	9.83	9.66	9.48	9.31	9.13	8.95	8.78	8.66
135.0	10.48	10.18	9.89	9.71	9.48	9.19	9.07	8.84	8.72
180.0	10.30	10.07	9.83	9.60	9.36	9.13	8.95	8.78	8.66
225.0	10.01	9.77	9.60	9.42	9.19	9.01	8.84	8.66	8.66
270.0	10.12	9.83	9.66	9.48	9.31	9.13	8.95	8.84	8.66
315.0	10.07	9.77	9.60	9.42	9.31	9.01	8.90	8.72	8.60
360.0	10.30	10.01	9.77	9.54	9.36	9.25	9.01	8.90	8.72

Intensity data(cd)

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