



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: 2-2755-L

Luminaire: 92.70.411.00

Report No: 2024829-B013

Ballast type: AC

Test No: 2024829-C013

Voltage(V): 34.990

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.598

Lamp flux(lm): 3408.0

Power (W): 20.920

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3203.25, Efficiency(%): 93.99% , Luminous Efficacy(lm/W): 153.12

Central intensity(cd): 11896.000, Maximum intensity(cd): 11896.000

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.4

[C90/270]Total=24.4

Field angle(10%Imax): [C0/180]Total=55.8

[C90/270]Total=55.8

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.99%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.277%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
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	11895.998	0.000	0	0.00%	0.00%
1.0	11719.867	11.300	11.3	0.33%	0.35%
2.0	11643.954	33.534	44.834	0.98%	1.40%
3.0	11302.232	54.880	99.713	1.61%	3.11%
4.0	10878.756	74.247	173.96	2.18%	5.43%
5.0	10478.715	91.879	265.839	2.70%	8.30%
6.0	9941.257	107.312	373.151	3.15%	11.65%
7.0	9357.005	119.784	492.935	3.51%	15.39%
8.0	8736.886	129.495	622.43	3.80%	19.43%
9.0	8082.568	136.313	758.742	4.00%	23.69%
10.0	7393.356	140.051	898.794	4.11%	28.06%
11.0	6780.411	141.625	1040.419	4.16%	32.48%
12.0	6082.073	140.605	1181.024	4.13%	36.87%
13.0	5443.701	136.782	1317.806	4.01%	41.14%
14.0	4881.460	132.161	1449.967	3.88%	45.27%
15.0	4326.176	126.407	1576.374	3.71%	49.21%
16.0	3825.085	119.439	1695.813	3.50%	52.94%
17.0	3381.438	112.225	1808.038	3.29%	56.44%
18.0	3052.988	106.090	1914.127	3.11%	59.76%
19.0	2735.438	100.707	2014.834	2.96%	62.90%
20.0	2461.876	95.125	2109.959	2.79%	65.87%
21.0	2201.304	89.543	2199.502	2.63%	68.66%
22.0	1994.064	84.308	2283.81	2.47%	71.30%
23.0	1766.849	78.914	2362.724	2.32%	73.76%
24.0	1615.305	73.946	2436.67	2.17%	76.07%
25.0	1487.782	70.557	2507.227	2.07%	78.27%
26.0	1358.846	67.195	2574.422	1.97%	80.37%
27.0	1269.687	64.308	2638.73	1.89%	82.38%
28.0	1177.216	61.950	2700.68	1.82%	84.31%
29.0	1077.268	58.984	2759.664	1.73%	86.15%
30.0	980.652	55.563	2815.227	1.63%	87.89%
31.0	875.534	51.655	2866.882	1.52%	89.50%
32.0	761.591	46.902	2913.784	1.38%	90.96%
33.0	649.278	41.565	2955.349	1.22%	92.26%
34.0	544.061	36.114	2991.463	1.06%	93.39%
35.0	444.633	30.705	3022.168	0.90%	94.35%
36.0	361.144	25.656	3047.824	0.75%	95.15%
37.0	293.483	21.350	3069.174	0.63%	95.81%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	199.186	16.445	3085.619	0.48%	96.33%
39.0	163.463	12.378	3097.997	0.36%	96.71%
40.0	123.298	10.001	3107.998	0.29%	97.03%
41.0	84.967	7.416	3115.414	0.22%	97.26%
42.0	71.860	5.698	3121.112	0.17%	97.44%
43.0	65.375	5.084	3126.196	0.15%	97.59%
44.0	59.455	4.711	3130.907	0.14%	97.74%
45.0	54.836	4.392	3135.299	0.13%	97.88%
46.0	50.670	4.126	3139.425	0.12%	98.01%
47.0	46.551	3.867	3143.292	0.11%	98.13%
48.0	43.246	3.630	3146.922	0.11%	98.24%
49.0	40.532	3.440	3150.363	0.10%	98.35%
50.0	37.976	3.273	3153.636	0.10%	98.45%
51.0	35.716	3.118	3156.754	0.09%	98.55%
52.0	33.962	2.990	3159.744	0.09%	98.64%
53.0	32.365	2.885	3162.629	0.08%	98.73%
54.0	30.926	2.790	3165.419	0.08%	98.82%
55.0	29.501	2.697	3168.116	0.08%	98.90%
56.0	28.219	2.608	3170.724	0.08%	98.98%
57.0	26.807	2.516	3173.24	0.07%	99.06%
58.0	25.158	2.403	3175.643	0.07%	99.14%
59.0	23.607	2.280	3177.923	0.07%	99.21%
60.0	22.135	2.161	3180.084	0.06%	99.28%
61.0	20.605	2.040	3182.124	0.06%	99.34%
62.0	18.870	1.902	3184.026	0.06%	99.40%
63.0	17.188	1.754	3185.779	0.05%	99.45%
64.0	15.959	1.627	3187.406	0.05%	99.51%
65.0	14.632	1.514	3188.92	0.04%	99.55%
66.0	13.160	1.387	3190.306	0.04%	99.60%
67.0	12.076	1.269	3191.575	0.04%	99.64%
68.0	10.986	1.168	3192.744	0.03%	99.67%
69.0	9.980	1.070	3193.813	0.03%	99.71%
70.0	9.113	0.981	3194.794	0.03%	99.74%
71.0	8.114	0.890	3195.684	0.03%	99.76%
72.0	7.398	0.807	3196.491	0.02%	99.79%
73.0	6.748	0.740	3197.231	0.02%	99.81%
74.0	6.091	0.675	3197.906	0.02%	99.83%
75.0	5.552	0.615	3198.521	0.02%	99.85%

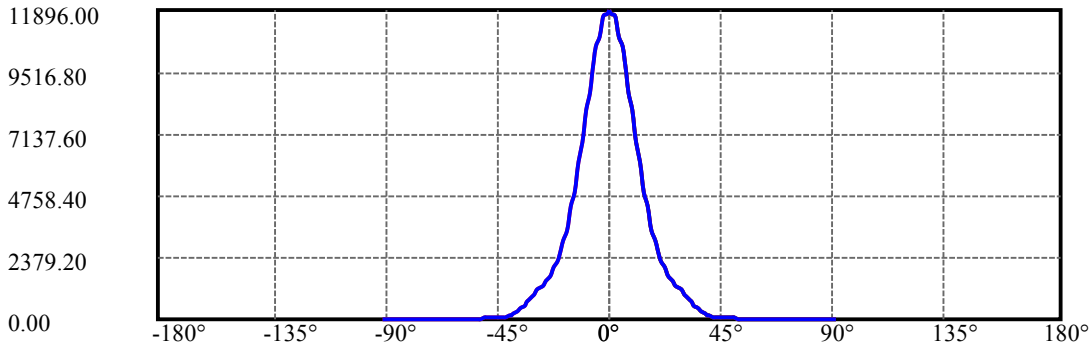
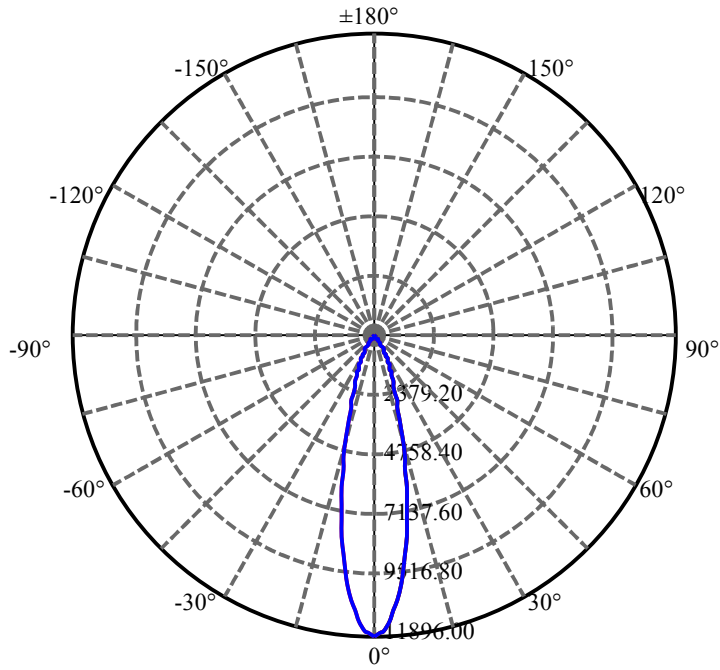
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.053	0.563	3199.084	0.02%	99.87%
77.0	4.639	0.517	3199.6	0.02%	99.89%
78.0	4.225	0.474	3200.075	0.01%	99.90%
79.0	3.857	0.434	3200.509	0.01%	99.91%
80.0	3.522	0.398	3200.907	0.01%	99.93%
81.0	3.167	0.362	3201.268	0.01%	99.94%
82.0	2.878	0.328	3201.596	0.01%	99.95%
83.0	2.602	0.298	3201.894	0.01%	99.96%
84.0	2.339	0.269	3202.163	0.01%	99.97%
85.0	2.057	0.240	3202.403	0.01%	99.97%
86.0	1.827	0.212	3202.615	0.01%	99.98%
87.0	1.629	0.189	3202.805	0.01%	99.99%
88.0	1.419	0.167	3202.972	0.00%	99.99%
89.0	1.255	0.147	3203.118	0.00%	100.00%
90.0	1.163	0.133	3203.251	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2815.23	82.61%	87.89%
0-40	3108.00	91.20%	97.03%
0-60	3180.08	93.31%	99.28%
0-90	3203.12	93.99%	100.00%
0-120	3203.12	93.99%	100.00%
0-180	3203.25	93.99%	100.00%
60-90	23.03	0.68%	0.72%
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%
0-25.82	2562.60	75.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	898.79
10-20	1211.17
20-30	705.27
30-40	292.77
40-50	45.64
50-60	26.45
60-70	14.71
70-80	6.11
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: —————

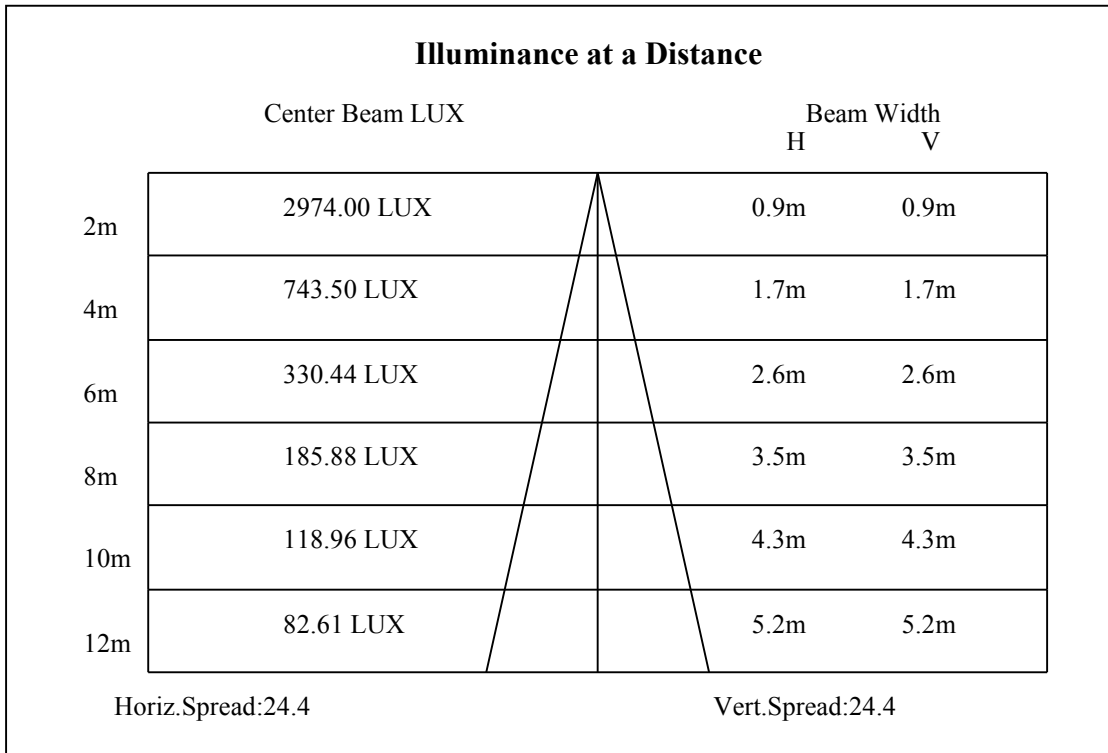
C90/C270: —————

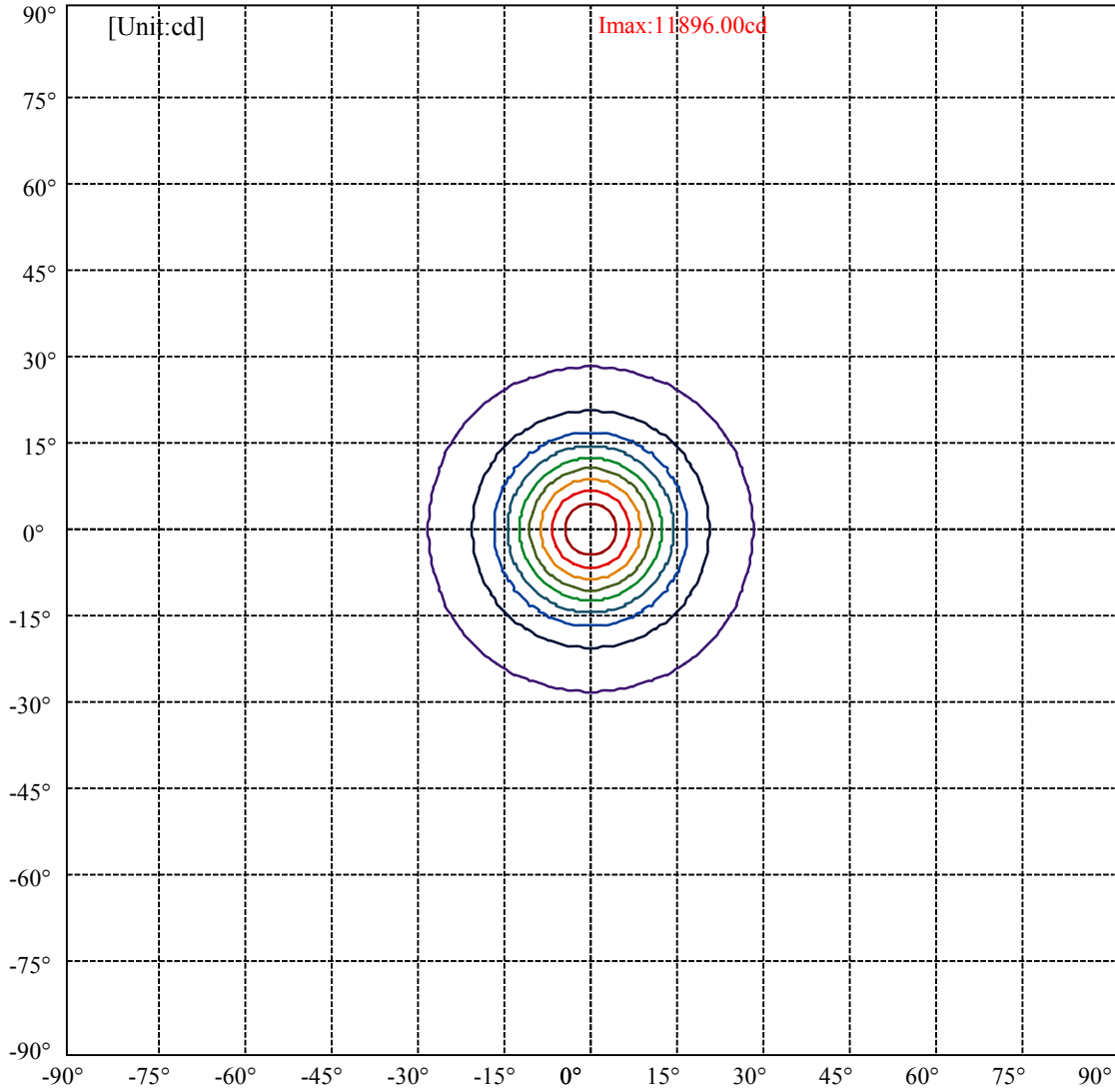
Field angle(10%Imax):C0/180Left:27.9 Right:27.9

:C90/270Left:27.9 Right:27.9

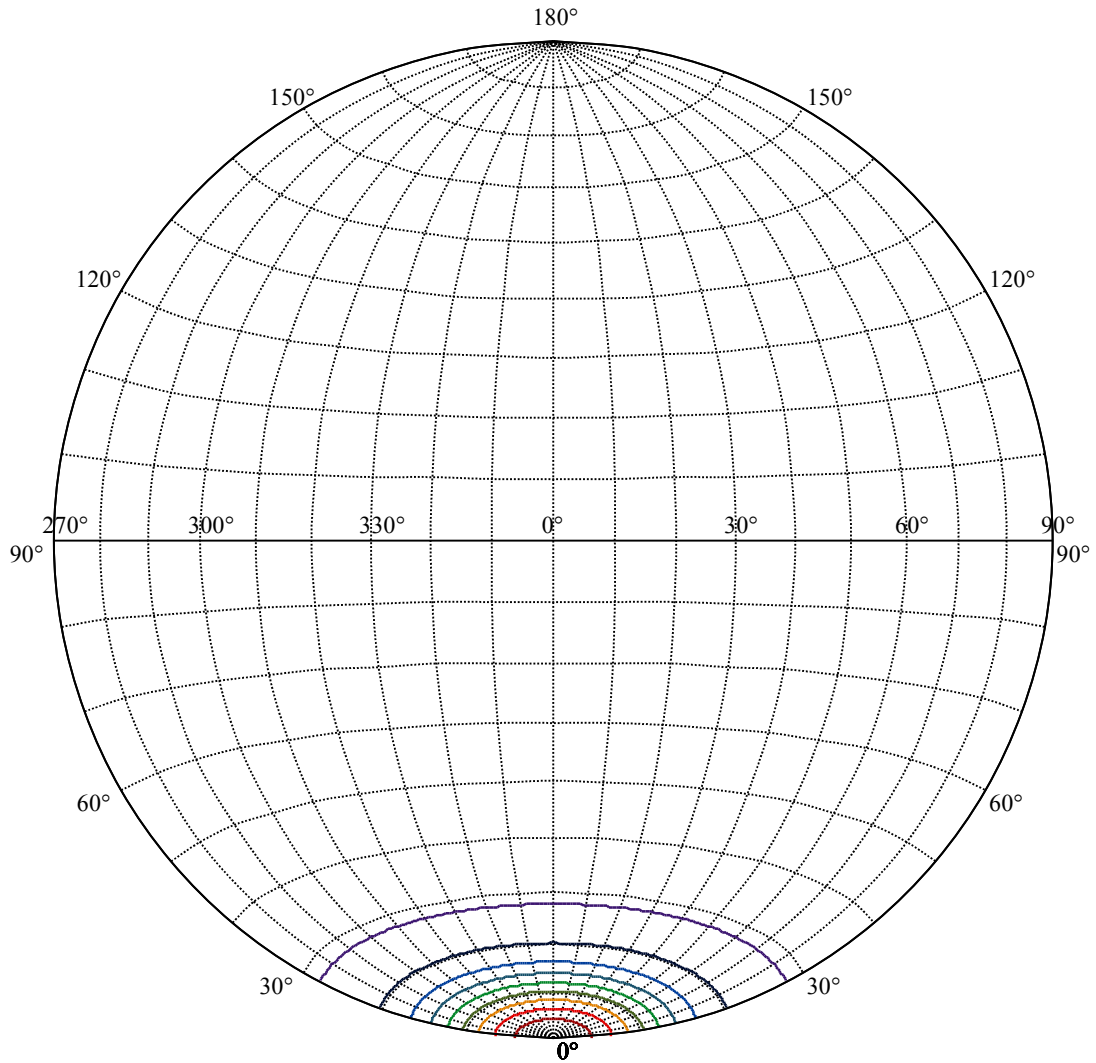
Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2

:C90/270Left:12.2 Right:12.2





(10%Imax) 1189.6	—
(20%Imax) 2379.2	—
(30%Imax) 3568.8	—
(40%Imax) 4758.4	—
(50%Imax) 5948	—
(60%Imax) 7137.6	—
(70%Imax) 8327.2	—
(80%Imax) 9516.8	—
(90%Imax) 10706.4	—



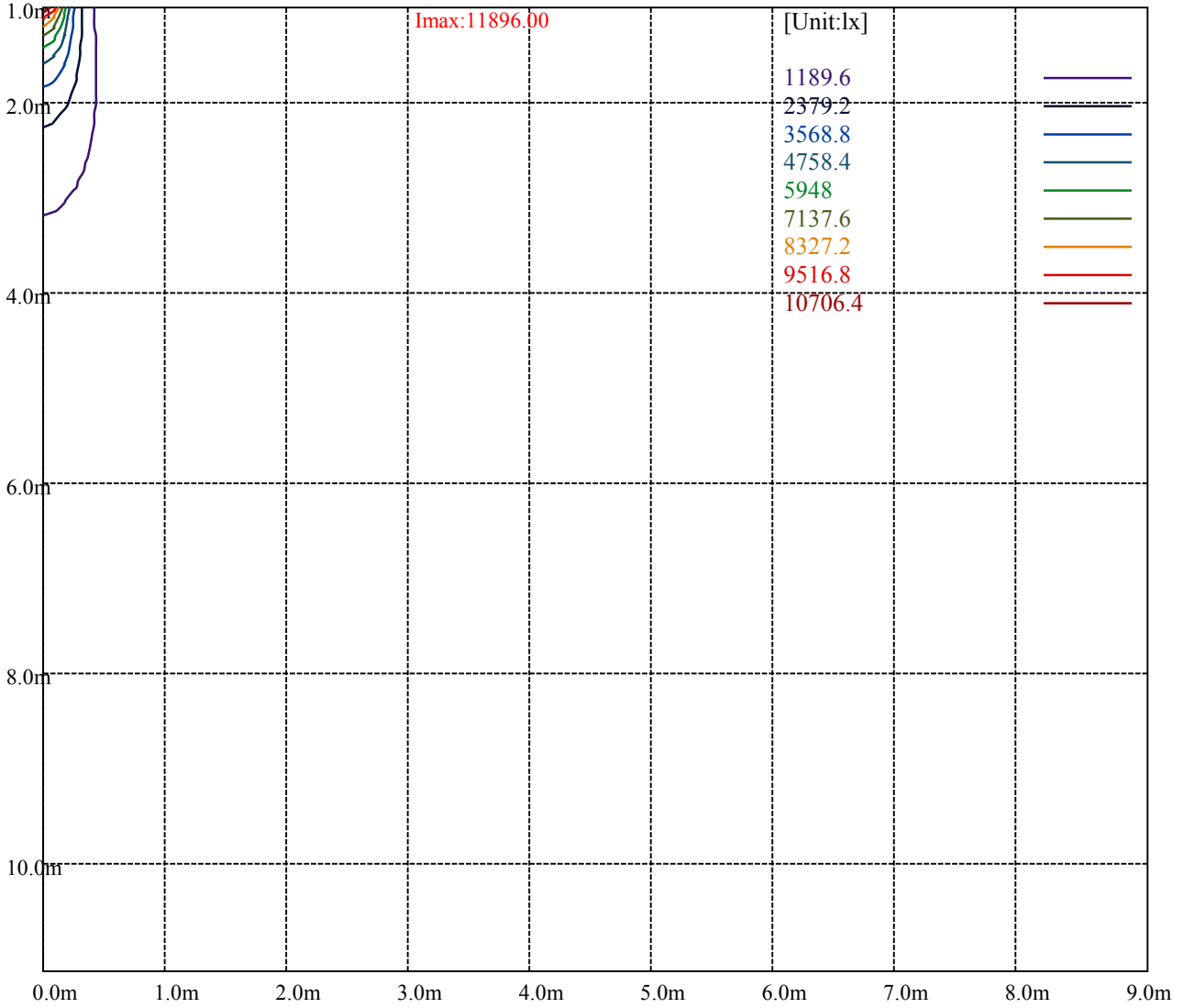
House

[Unit:cd]

Road

Imax:11896.00

(10%Imax) 1189.6	—
(20%Imax) 2379.2	—
(30%Imax) 3568.8	—
(40%Imax) 4758.4	—
(50%Imax) 5948	—
(60%Imax) 7137.6	—
(70%Imax) 8327.2	—
(80%Imax) 9516.8	—
(90%Imax) 10706.4	—



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

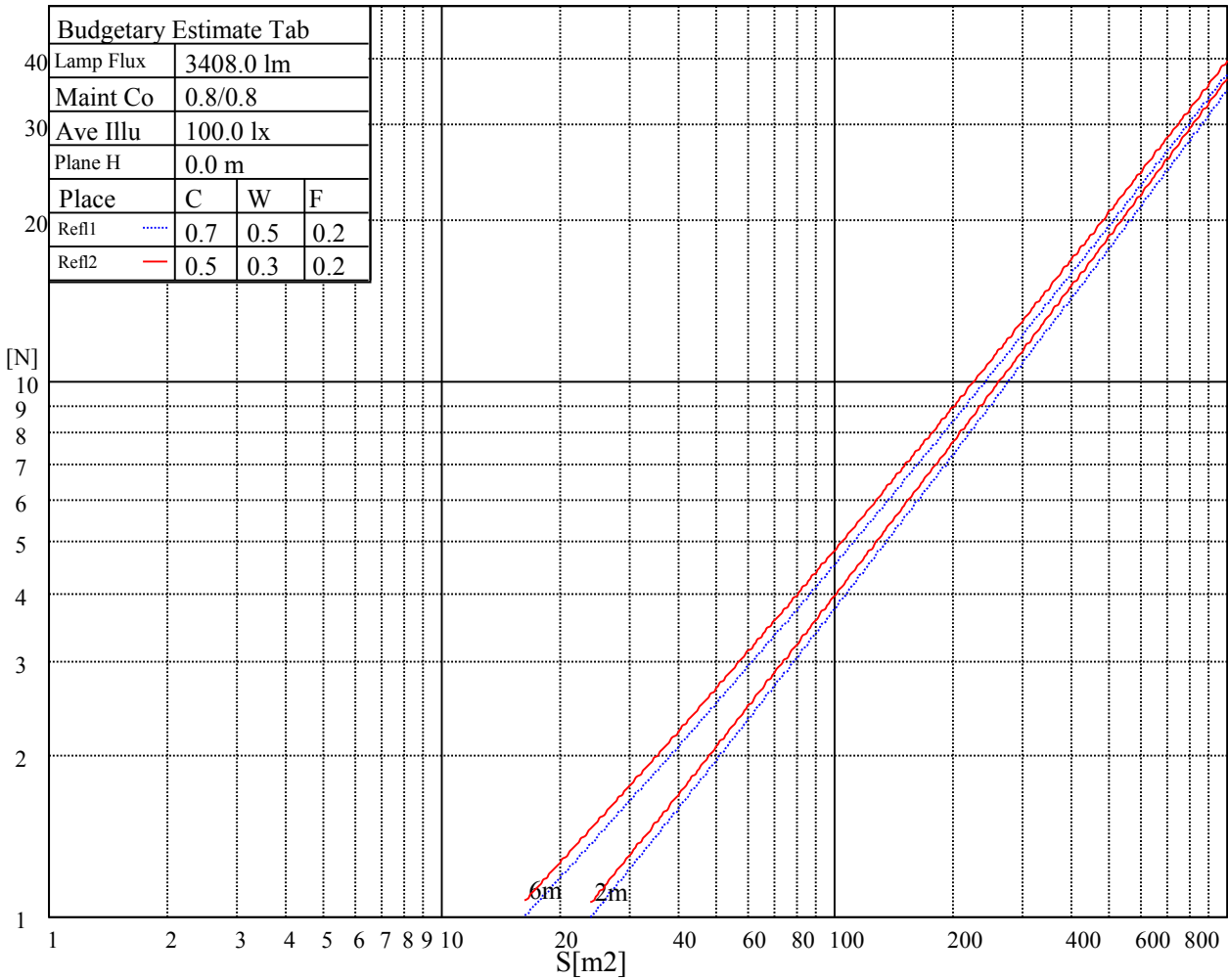
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

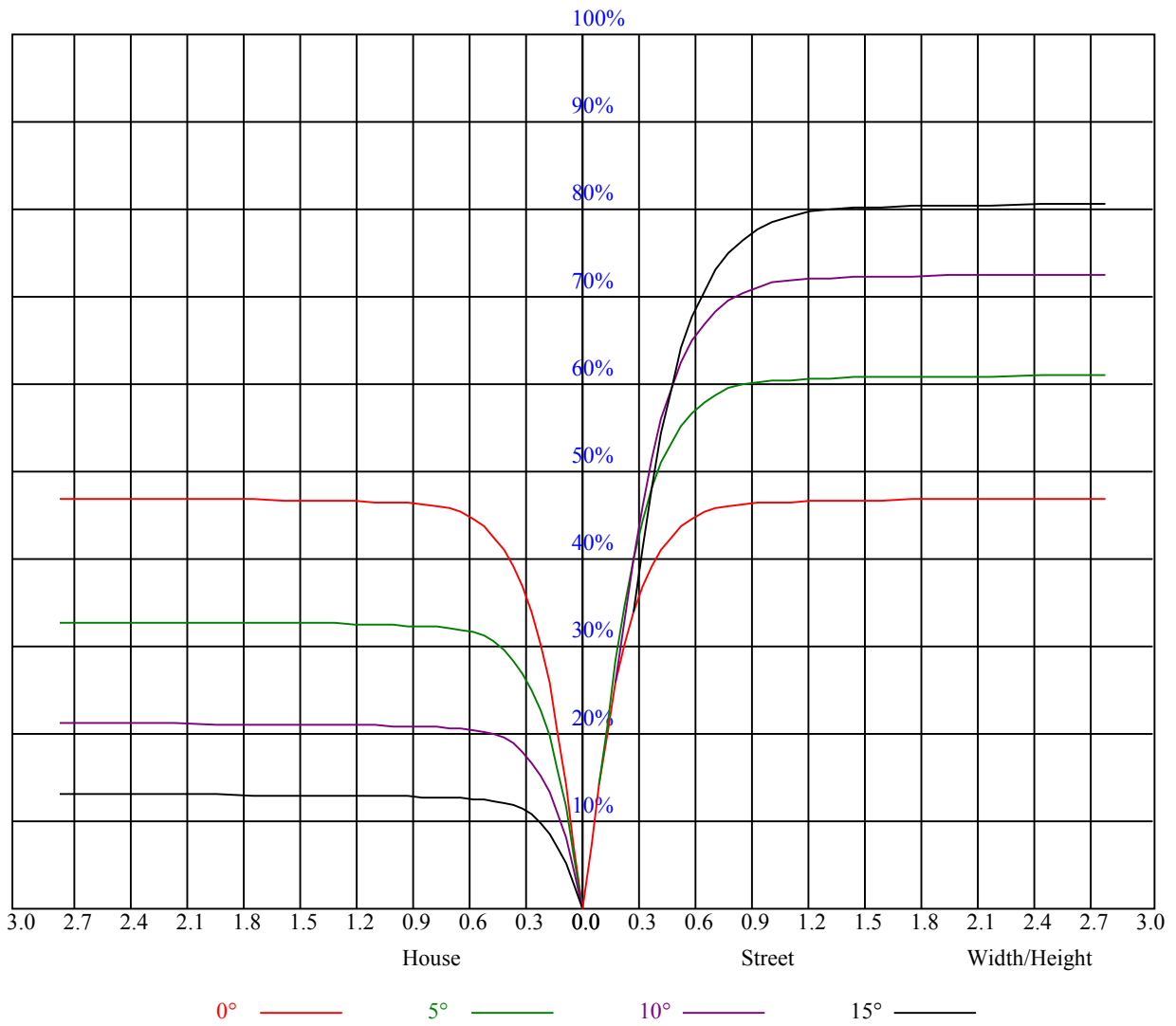


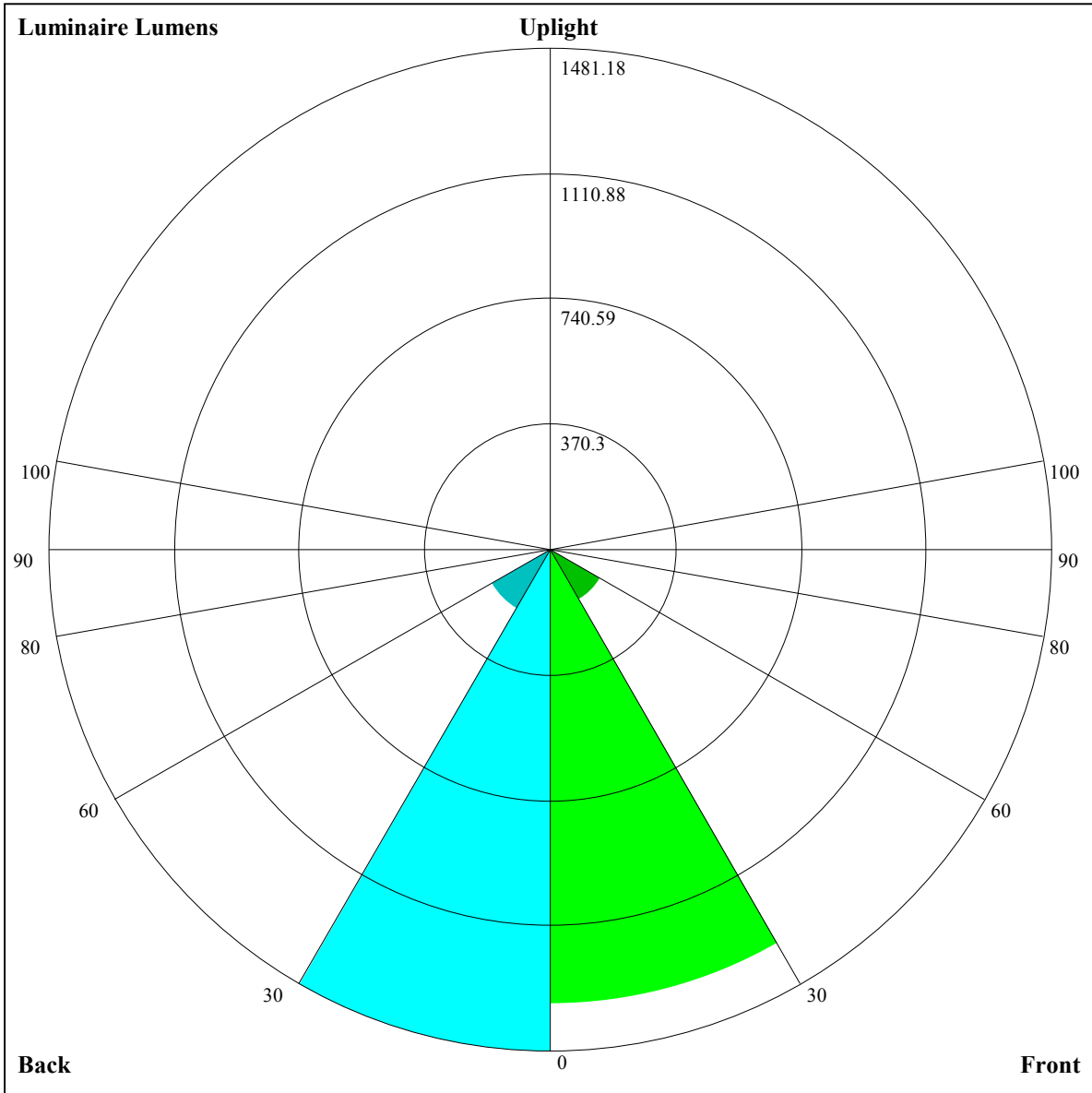
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	
8H	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	
12H	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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.80	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	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
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.62





Luminaire Lumens:

FL=1344.44,FM=170.76,FH=9.82,FVH=1.1

BL=1481.18,BM=200.4,BH=10.91,BVH=1.24

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	11809.64	11008.16	11008.16	10700.04	10137.31	9525.01	8865.87	8332.68	7645.69
45.0	11987.93	11809.64	11480.91	11040.75	10522.59	9926.43	9302.41	8611.52	7920.64
90.0	11781.78	10995.92	10995.92	10461.57	9854.26	9334.42	8533.78	7982.77	7283.53
135.0	12004.64	11904.36	11681.49	11358.34	10912.61	10494.73	9909.71	9268.98	8605.95
180.0	11809.64	11954.50	11976.79	11870.93	11636.92	11280.33	10829.03	10294.16	9692.42
225.0	11987.93	12104.93	12065.93	11915.50	11051.63	10956.34	10738.47	10143.98	9507.72
270.0	11781.78	11999.07	12099.36	12077.08	11921.07	11625.77	11230.19	10717.60	10388.87
315.0	12004.64	11982.36	11843.07	10993.66	10993.66	10686.69	10120.59	9504.35	8850.26
360.0	11809.64	11008.16	11008.16	10700.04	10137.31	9525.01	8865.87	8332.68	7645.69
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6953.70	6268.39	5602.58	4974.09	4398.54	3876.48	3408.99	3006.21	2671.91
45.0	7235.33	6550.02	5870.29	5235.12	4633.38	4076.22	3585.92	3156.90	2794.75
90.0	6452.78	5912.34	5259.93	4659.82	4115.49	3621.29	3191.17	2829.02	2514.75
135.0	7920.64	7246.48	6550.02	5875.86	5246.26	4650.10	4115.22	3619.35	3195.91
180.0	9302.41	8394.23	7965.22	7274.33	6316.02	5926.00	5290.84	4694.67	4148.65
225.0	8834.13	8149.92	7471.29	6757.54	6072.81	5423.14	4814.20	4248.68	3745.55
270.0	9775.99	9118.54	8438.80	7770.21	7062.61	6388.45	5708.71	5084.69	4494.09
315.0	8185.56	7506.92	7085.16	6109.60	5704.50	5089.99	4494.36	3961.16	3485.89
360.0	6953.70	6268.39	5602.58	4974.09	4398.54	3876.48	3408.99	3006.21	2671.91
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2386.60	2143.13	1939.24	1770.94	1627.23	1500.71	1397.64	1302.39	1071.91
45.0	2794.75	2520.32	2087.41	1894.67	1723.58	1584.86	1462.87	1362.00	1267.28
90.0	2252.88	2033.38	1855.09	1696.88	1567.57	1452.25	1354.22	1263.39	1075.74
135.0	2828.18	2828.18	2755.75	2037.85	1918.58	1750.33	1601.00	1482.37	1380.40
180.0	3658.35	3234.91	2861.61	2861.61	2238.43	2021.13	1830.59	1666.76	1582.66
225.0	3471.44	2905.92	2709.23	2405.58	2148.18	1933.67	1749.81	1597.69	1465.65
270.0	3964.79	3502.34	3073.33	2783.60	2783.60	2125.31	1919.74	1744.76	1649.52
315.0	3066.92	2715.33	2413.35	2159.32	1945.34	1766.52	1606.57	1482.89	1377.61
360.0	2386.60	2143.13	1939.24	1770.94	1627.23	1500.71	1397.64	1302.39	1071.91
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1071.91	1047.47	932.25	810.41	695.66	583.23	476.79	377.77	284.63
45.0	1178.71	1076.16	968.10	849.99	735.77	624.86	515.69	433.75	319.00
90.0	1075.74	1007.10	892.98	770.36	657.45	542.39	436.11	336.93	246.73
135.0	1290.15	1195.95	1089.57	974.19	857.77	742.97	628.23	521.26	417.61
180.0	1422.71	1333.56	1279.53	1186.49	1077.27	960.26	841.63	725.15	613.72
225.0	1361.42	1266.18	1061.39	1061.39	953.06	841.16	726.78	615.56	551.54
270.0	1466.18	1401.58	1304.60	1216.56	1120.21	1008.20	893.40	775.30	660.55
315.0	1290.67	1089.73	1089.73	975.82	907.07	789.65	675.59	566.78	463.29
360.0	1071.91	1047.47	932.25	810.41	695.66	583.23	476.79	377.77	284.63
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	204.52	142.34	102.55	82.73	74.27	68.44	62.76	58.19	52.35
45.0	319.00	283.31	124.26	93.25	79.53	72.12	66.07	60.24	54.82
90.0	174.30	122.79	93.14	80.79	73.01	66.91	61.03	56.71	51.62
135.0	322.31	322.31	154.27	123.78	91.35	78.06	70.64	64.44	58.71
180.0	505.65	405.36	309.54	309.54	146.70	95.56	72.06	66.33	60.81
225.0	449.99	353.43	267.39	192.06	134.19	98.40	81.26	73.64	67.86
270.0	548.54	444.36	347.39	293.35	293.35	121.26	88.73	76.64	68.12
315.0	364.84	273.96	194.95	132.19	93.98	79.00	72.33	66.81	61.34
360.0	204.52	142.34	102.55	82.73	74.27	68.44	62.76	58.19	52.35

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	49.25	45.62	41.63	39.58	37.48	35.64	34.27	32.75	31.27
45.0	50.41	46.83	43.00	39.68	37.53	35.69	34.27	32.64	31.22
90.0	47.83	44.89	41.52	39.11	36.79	34.74	32.85	31.27	29.75
135.0	53.61	49.46	45.99	42.73	39.42	37.00	35.16	33.64	32.01
180.0	55.87	52.25	47.88	44.42	41.73	39.21	36.85	35.16	33.90
225.0	62.60	56.87	51.93	47.88	44.63	41.05	38.06	35.80	33.90
270.0	63.39	58.45	53.14	48.57	44.99	41.73	38.37	35.58	33.85
315.0	55.72	50.99	47.31	43.99	41.68	38.74	35.90	34.85	33.01
360.0	49.25	45.62	41.63	39.58	37.48	35.64	34.27	32.75	31.27
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.54	28.12	26.81	25.23	23.34	21.29	19.97	18.50	16.61
45.0	30.54	29.07	27.17	25.60	23.76	21.66	19.71	18.40	17.03
90.0	27.96	26.23	24.97	23.23	21.08	19.40	18.03	16.45	14.61
135.0	30.91	29.70	28.12	26.49	26.02	24.97	23.18	21.08	19.61
180.0	32.43	31.06	30.59	29.59	27.96	26.12	25.02	23.71	21.60
225.0	31.96	30.64	29.80	28.54	26.33	25.34	23.97	22.39	20.45
270.0	32.54	30.64	29.28	28.49	26.86	25.07	23.71	22.71	20.97
315.0	31.54	30.54	29.01	27.28	25.91	25.02	23.50	21.60	20.08
360.0	29.54	28.12	26.81	25.23	23.34	21.29	19.97	18.50	16.61
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.61	13.51	12.46	11.14	10.35	8.83	8.41	7.62	6.36
45.0	14.98	13.35	12.56	11.51	10.14	8.94	8.30	7.73	6.78
90.0	13.30	12.40	11.30	10.04	9.36	8.73	8.04	7.15	6.36
135.0	18.13	16.61	15.03	14.09	12.98	11.72	10.51	9.72	8.99
180.0	19.97	18.71	17.92	15.30	14.09	13.14	11.56	10.83	9.41
225.0	18.76	17.61	15.93	14.09	12.67	11.83	10.78	9.62	8.57
270.0	18.98	18.24	16.66	15.09	13.93	12.46	11.62	10.67	9.51
315.0	18.76	17.24	15.19	14.03	13.09	12.25	10.62	9.57	8.94
360.0	14.61	13.51	12.46	11.14	10.35	8.83	8.41	7.62	6.36
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.99	5.47	4.94	4.57	4.10	3.73	3.31	3.05	2.73
45.0	6.04	5.62	5.05	4.73	4.26	3.89	3.63	3.26	2.89
90.0	5.83	5.41	4.94	4.47	4.10	3.73	3.36	3.05	2.73
135.0	8.20	7.46	6.83	6.25	5.83	5.47	5.05	4.63	4.31
180.0	8.57	7.88	6.99	6.10	5.57	5.05	4.63	4.15	3.78
225.0	7.78	6.94	6.25	5.78	5.15	4.84	4.31	3.94	3.68
270.0	8.46	7.73	7.10	6.41	5.73	5.20	4.78	4.47	4.05
315.0	8.30	7.46	6.62	6.10	5.68	5.20	4.73	4.31	3.99
360.0	5.99	5.47	4.94	4.57	4.10	3.73	3.31	3.05	2.73
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.47	2.26	1.94	1.79	1.52	1.31	1.16	1.10	1.05
45.0	2.63	2.31	2.10	1.84	1.58	1.37	1.21	1.10	1.10
90.0	2.42	2.21	1.94	1.73	1.52	1.31	1.26	1.10	1.16
135.0	3.89	3.63	3.31	3.00	2.68	2.42	2.21	1.84	1.26
180.0	3.36	3.10	2.73	2.47	2.21	2.00	1.79	1.52	1.42
225.0	3.21	2.94	2.73	2.37	2.10	1.84	1.58	1.42	1.26
270.0	3.68	3.31	2.94	2.73	2.37	2.10	1.89	1.68	1.42
315.0	3.68	3.26	3.10	2.79	2.47	2.26	1.94	1.58	1.37
360.0	2.47	2.26	1.94	1.79	1.52	1.31	1.16	1.10	1.05

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.05
45.0	1.05
90.0	1.10
135.0	1.21
180.0	1.21
225.0	1.10
270.0	1.21
315.0	1.37
360.0	1.05