



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: 2-2565-L

Luminaire: 92.70.411.00

Report No: 2024829-B006

Ballast type: AC

Test No: 2024829-C006

Voltage(V): 35.010

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.598

Lamp flux(lm): 3408.0

Power (W): 20.930

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3108.49, Efficiency(%): 91.21% , Luminous Efficacy(lm/W): 148.52

Central intensity(cd): 9201.144, Maximum intensity(cd): 9201.144

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.6

[C90/270]Total=26.6

Field angle(10%Imax): [C0/180]Total=63.2

[C90/270]Total=63.2

Maximum s/h(1/2): C0_180=0.44 C90_270=0.44

Maximum s/h(1/4): C0_180=0.51 C90_270=0.51

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.21%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.154%

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	9201.144	0.000	0	0.00%	0.00%
1.0	9151.900	8.782	8.782	0.26%	0.28%
2.0	9022.846	26.086	34.868	0.77%	1.12%
3.0	8804.514	42.637	77.505	1.25%	2.49%
4.0	8557.339	58.116	135.621	1.71%	4.36%
5.0	8178.193	71.995	207.616	2.11%	6.68%
6.0	7793.402	83.935	291.551	2.46%	9.38%
7.0	7389.236	94.238	385.789	2.77%	12.41%
8.0	6918.224	102.396	488.185	3.00%	15.70%
9.0	6464.077	108.456	596.641	3.18%	19.19%
10.0	6005.811	112.848	709.489	3.31%	22.82%
11.0	5550.810	115.474	824.964	3.39%	26.54%
12.0	5130.087	116.757	941.721	3.43%	30.30%
13.0	4728.516	116.997	1058.718	3.43%	34.06%
14.0	4355.421	116.274	1174.992	3.41%	37.80%
15.0	4009.914	114.843	1289.835	3.37%	41.49%
16.0	3716.070	113.207	1403.042	3.32%	45.14%
17.0	3407.410	110.932	1513.974	3.26%	48.70%
18.0	3148.192	108.088	1622.061	3.17%	52.18%
19.0	2912.863	105.450	1727.511	3.09%	55.57%
20.0	2687.146	102.496	1830.007	3.01%	58.87%
21.0	2486.147	99.338	1929.345	2.91%	62.07%
22.0	2308.473	96.350	2025.694	2.83%	65.17%
23.0	2133.880	93.213	2118.907	2.74%	68.17%
24.0	1966.100	89.640	2208.547	2.63%	71.05%
25.0	1835.239	86.434	2294.981	2.54%	73.83%
26.0	1684.451	83.083	2378.064	2.44%	76.50%
27.0	1541.678	78.928	2456.992	2.32%	79.04%
28.0	1370.245	73.724	2530.716	2.16%	81.41%
29.0	1218.596	67.731	2598.447	1.99%	83.59%
30.0	1117.282	63.068	2661.515	1.85%	85.62%
31.0	998.681	58.884	2720.4	1.73%	87.52%
32.0	864.509	53.378	2773.778	1.57%	89.23%
33.0	735.546	47.138	2820.916	1.38%	90.75%
34.0	617.419	40.945	2861.861	1.20%	92.07%
35.0	509.804	35.007	2896.868	1.03%	93.19%
36.0	419.193	29.579	2926.448	0.87%	94.14%
37.0	335.809	24.624	2951.071	0.72%	94.94%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	275.230	20.396	2971.467	0.60%	95.59%
39.0	226.899	17.139	2988.606	0.50%	96.14%
40.0	183.062	14.298	3002.904	0.42%	96.60%
41.0	130.171	11.154	3014.058	0.33%	96.96%
42.0	104.514	8.527	3022.585	0.25%	97.24%
43.0	84.264	6.993	3029.578	0.21%	97.46%
44.0	69.632	5.808	3035.386	0.17%	97.65%
45.0	59.107	4.948	3040.334	0.15%	97.81%
46.0	51.045	4.308	3044.641	0.13%	97.95%
47.0	44.908	3.816	3048.458	0.11%	98.07%
48.0	40.033	3.434	3051.892	0.10%	98.18%
49.0	36.262	3.133	3055.025	0.09%	98.28%
50.0	33.357	2.903	3057.927	0.09%	98.37%
51.0	31.064	2.726	3060.653	0.08%	98.46%
52.0	29.369	2.593	3063.246	0.08%	98.54%
53.0	28.016	2.496	3065.742	0.07%	98.62%
54.0	27.116	2.430	3068.172	0.07%	98.70%
55.0	26.432	2.390	3070.563	0.07%	98.78%
56.0	25.861	2.363	3072.926	0.07%	98.86%
57.0	25.414	2.344	3075.27	0.07%	98.93%
58.0	24.987	2.331	3077.601	0.07%	99.01%
59.0	24.382	2.308	3079.909	0.07%	99.08%
60.0	23.568	2.265	3082.174	0.07%	99.15%
61.0	22.635	2.205	3084.379	0.06%	99.22%
62.0	21.314	2.118	3086.497	0.06%	99.29%
63.0	19.888	2.004	3088.501	0.06%	99.36%
64.0	18.403	1.879	3090.38	0.06%	99.42%
65.0	16.551	1.730	3092.109	0.05%	99.47%
66.0	15.105	1.579	3093.689	0.05%	99.52%
67.0	13.574	1.442	3095.131	0.04%	99.57%
68.0	12.175	1.304	3096.435	0.04%	99.61%
69.0	10.972	1.181	3097.616	0.03%	99.65%
70.0	9.947	1.074	3098.69	0.03%	99.68%
71.0	9.060	0.982	3099.673	0.03%	99.72%
72.0	8.384	0.907	3100.58	0.03%	99.75%
73.0	7.792	0.846	3101.426	0.02%	99.77%
74.0	7.201	0.788	3102.214	0.02%	99.80%
75.0	6.695	0.734	3102.948	0.02%	99.82%

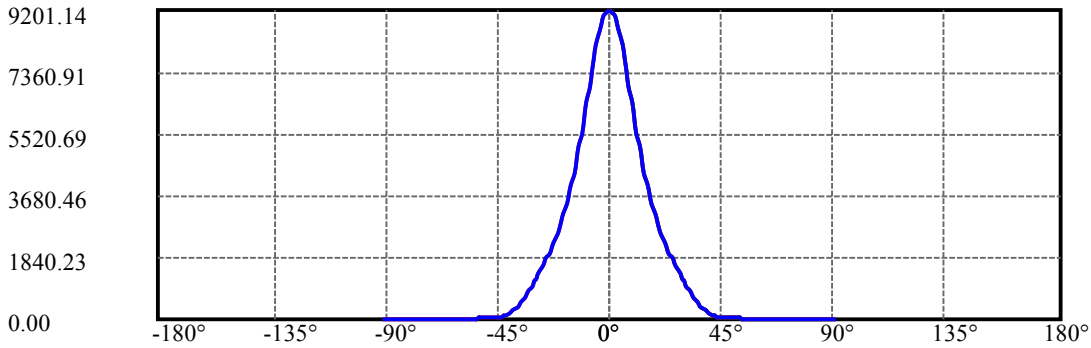
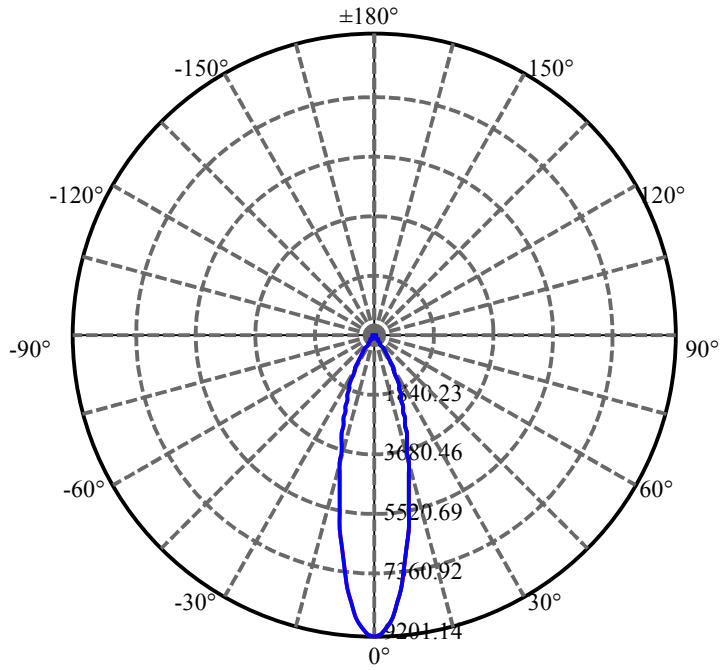
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.183	0.684	3103.632	0.02%	99.84%
77.0	5.670	0.632	3104.264	0.02%	99.86%
78.0	5.237	0.584	3104.848	0.02%	99.88%
79.0	4.704	0.534	3105.382	0.02%	99.90%
80.0	4.290	0.485	3105.867	0.01%	99.92%
81.0	3.876	0.442	3106.308	0.01%	99.93%
82.0	3.456	0.398	3106.706	0.01%	99.94%
83.0	3.042	0.353	3107.059	0.01%	99.95%
84.0	2.654	0.310	3107.37	0.01%	99.96%
85.0	2.300	0.270	3107.64	0.01%	99.97%
86.0	1.945	0.232	3107.872	0.01%	99.98%
87.0	1.662	0.197	3108.069	0.01%	99.99%
88.0	1.347	0.165	3108.234	0.00%	99.99%
89.0	1.124	0.135	3108.37	0.00%	100.00%
90.0	0.992	0.116	3108.486	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2661.52	78.10%	85.62%
0-40	3002.90	88.11%	96.60%
0-60	3082.17	90.44%	99.15%
0-90	3108.37	91.21%	100.00%
0-120	3108.37	91.21%	100.00%
0-180	3108.49	91.21%	100.00%
60-90	26.20	0.77%	0.84%
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%
0-27.40	2486.79	72.97%	80.00%

ZONAL LUMEN SUMMARY

0-10	709.49
10-20	1120.52
20-30	831.51
30-40	341.39
40-50	55.02
50-60	24.25
60-70	16.52
70-80	7.18
80-90	2.50
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: —————

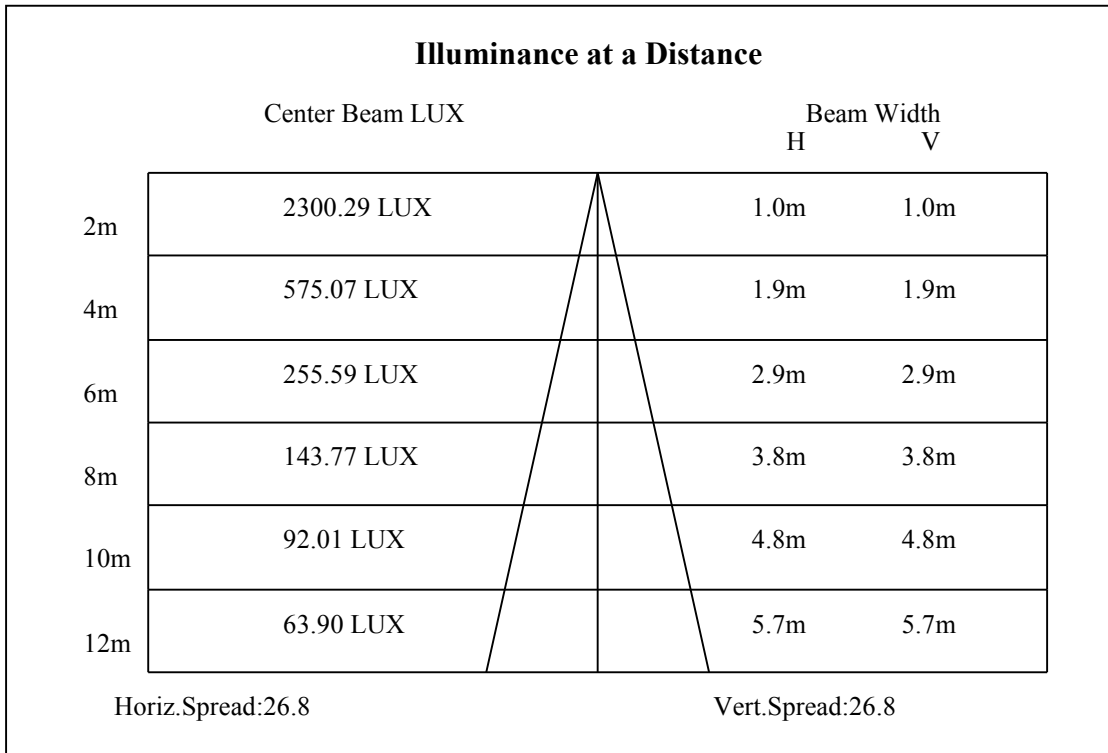
C90/C270: —————

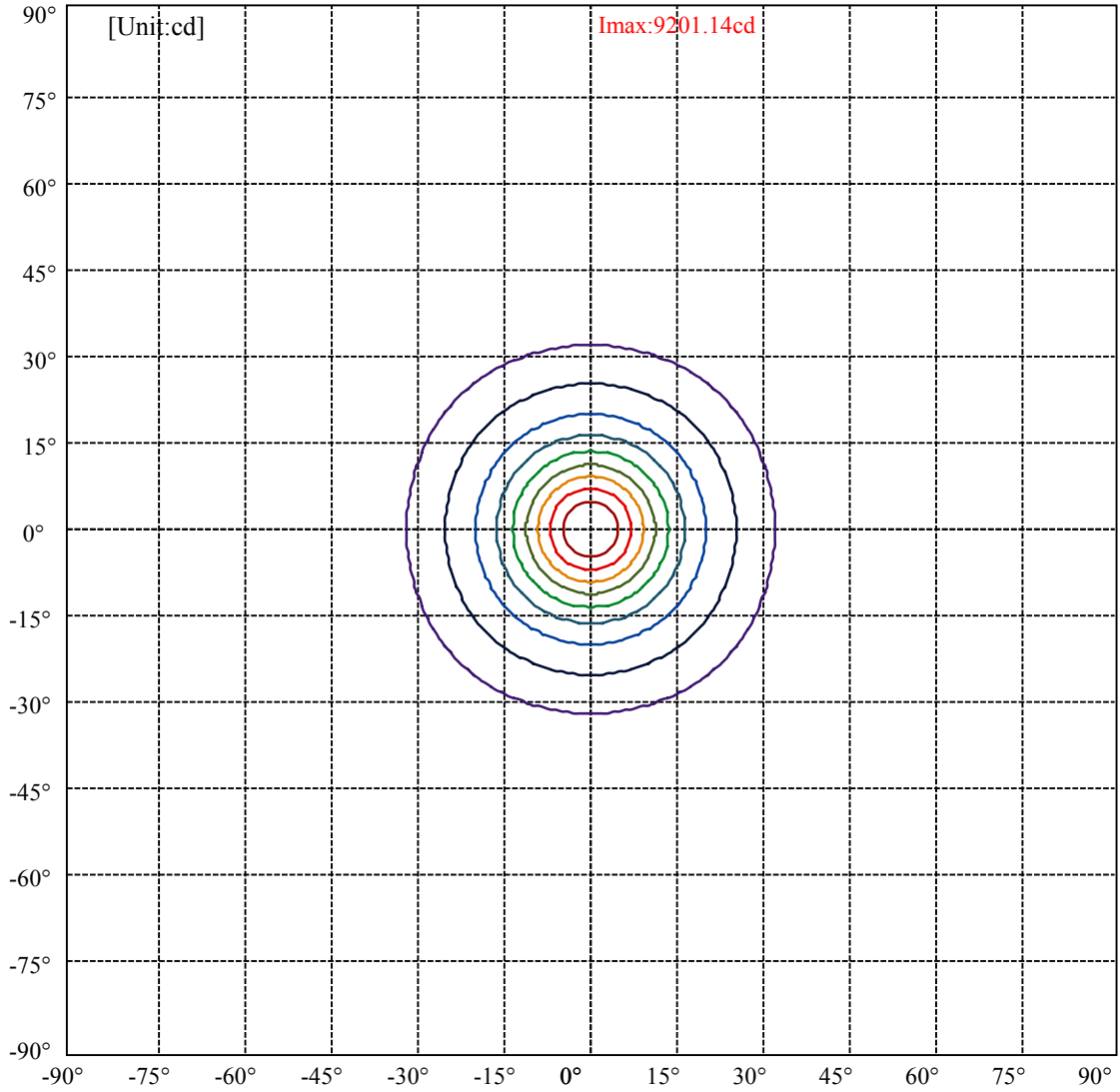
Field angle(10%Imax):C0/180Left:31.6 Right:31.6

:C90/270Left:31.6 Right:31.6

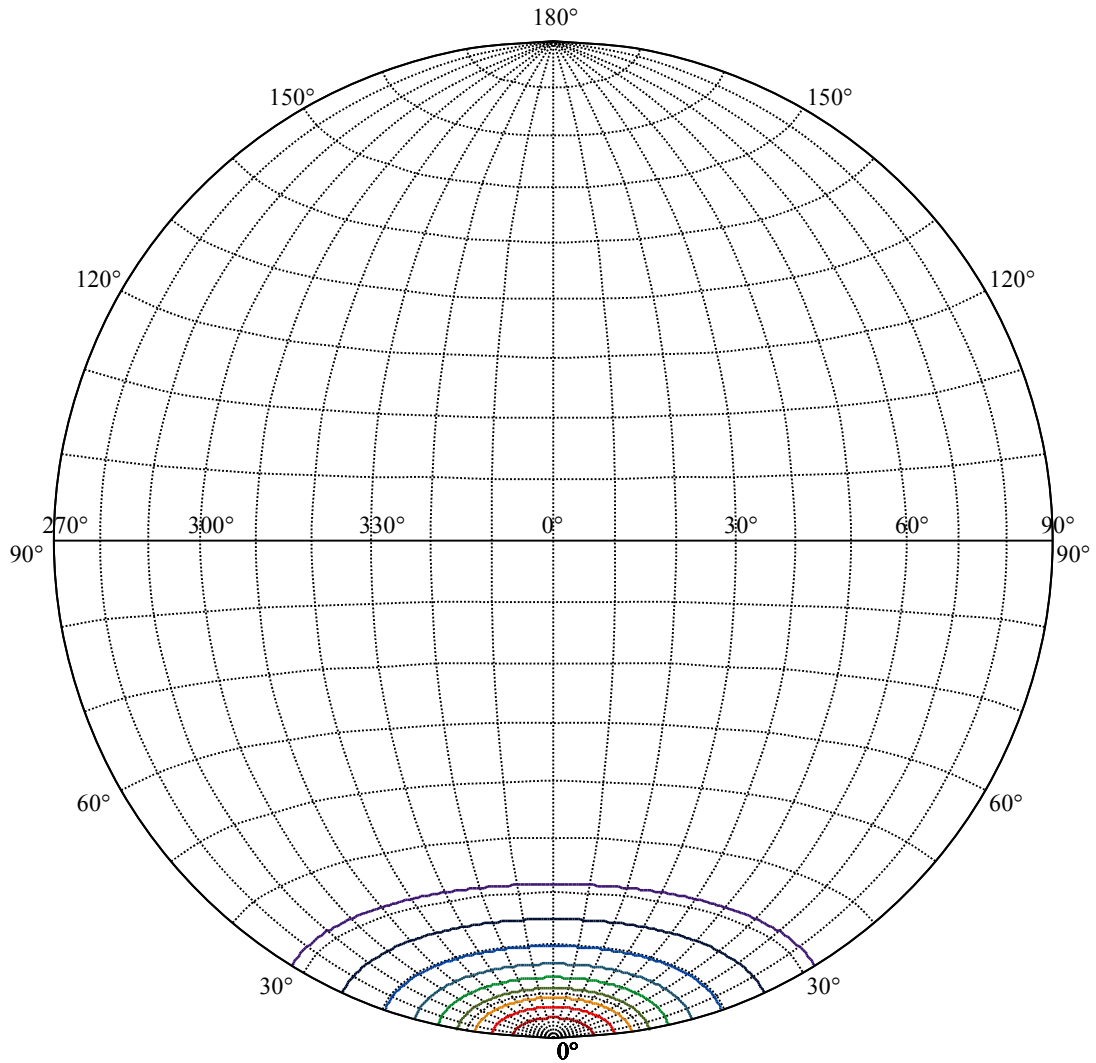
Beam Angle(50%Imax):C0/180Left:13.3 Right:13.3

:C90/270Left:13.3 Right:13.3





(10%Imax) 920.114	—
(20%Imax) 1840.23	—
(30%Imax) 2760.34	—
(40%Imax) 3680.46	—
(50%Imax) 4600.57	—
(60%Imax) 5520.69	—
(70%Imax) 6440.8	—
(80%Imax) 7360.92	—
(90%Imax) 8281.03	—



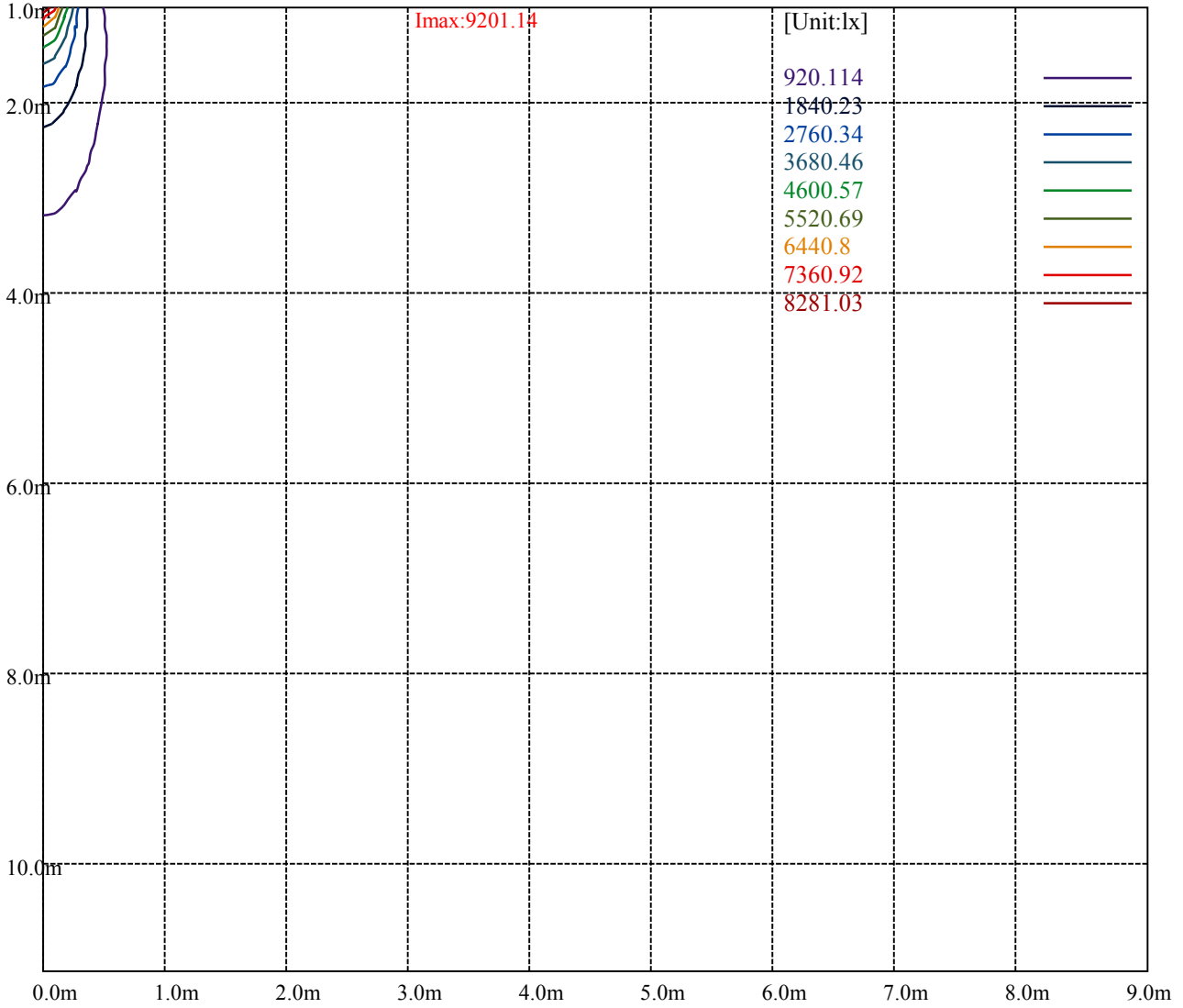
House

[Unit:cd]

Road

Imax:9201.14

(10%Imax)	920.114	—
(20%Imax)	1840.23	—
(30%Imax)	2760.34	—
(40%Imax)	3680.46	—
(50%Imax)	4600.57	—
(60%Imax)	5520.69	—
(70%Imax)	6440.8	—
(80%Imax)	7360.92	—
(90%Imax)	8281.03	—



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

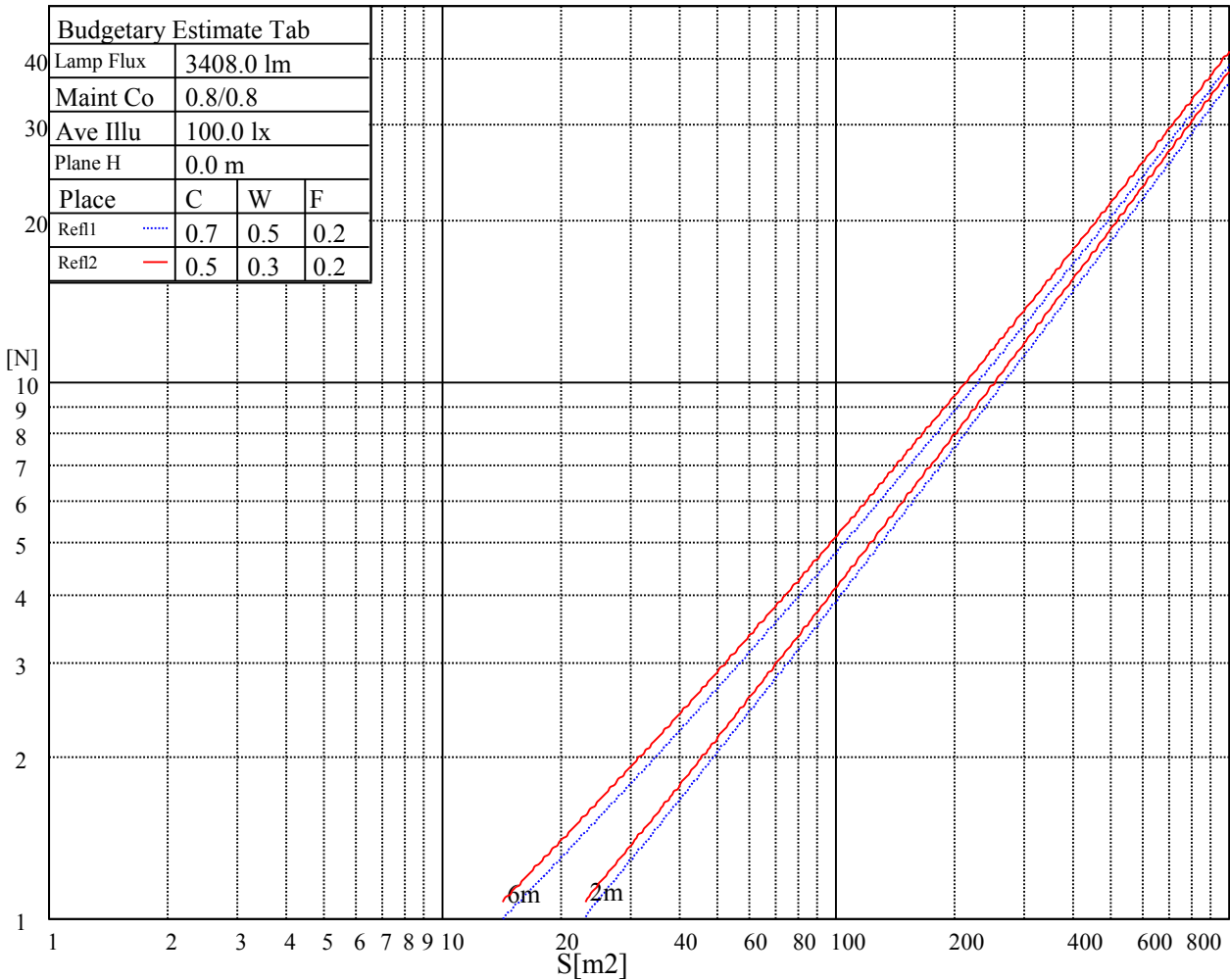
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

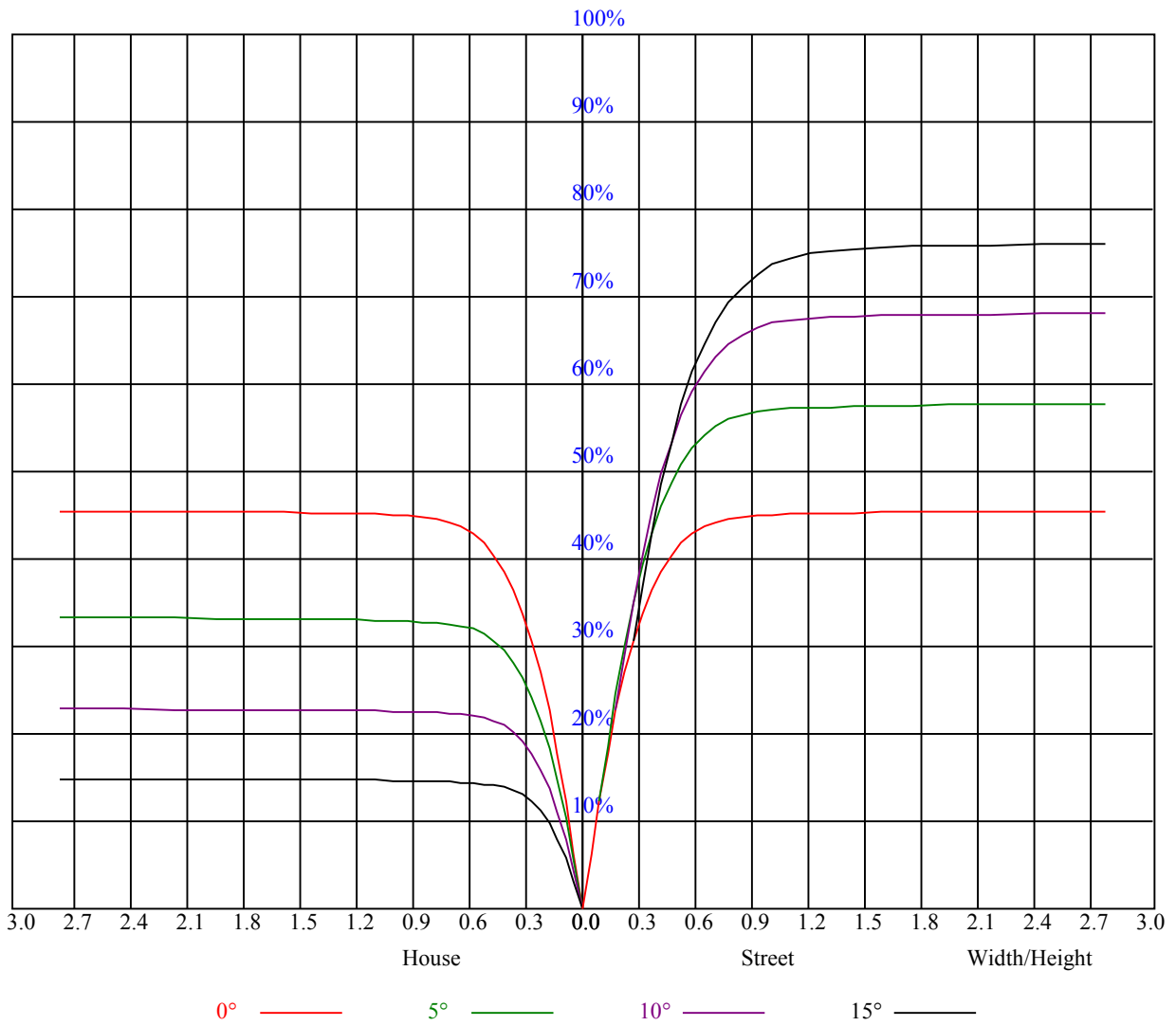


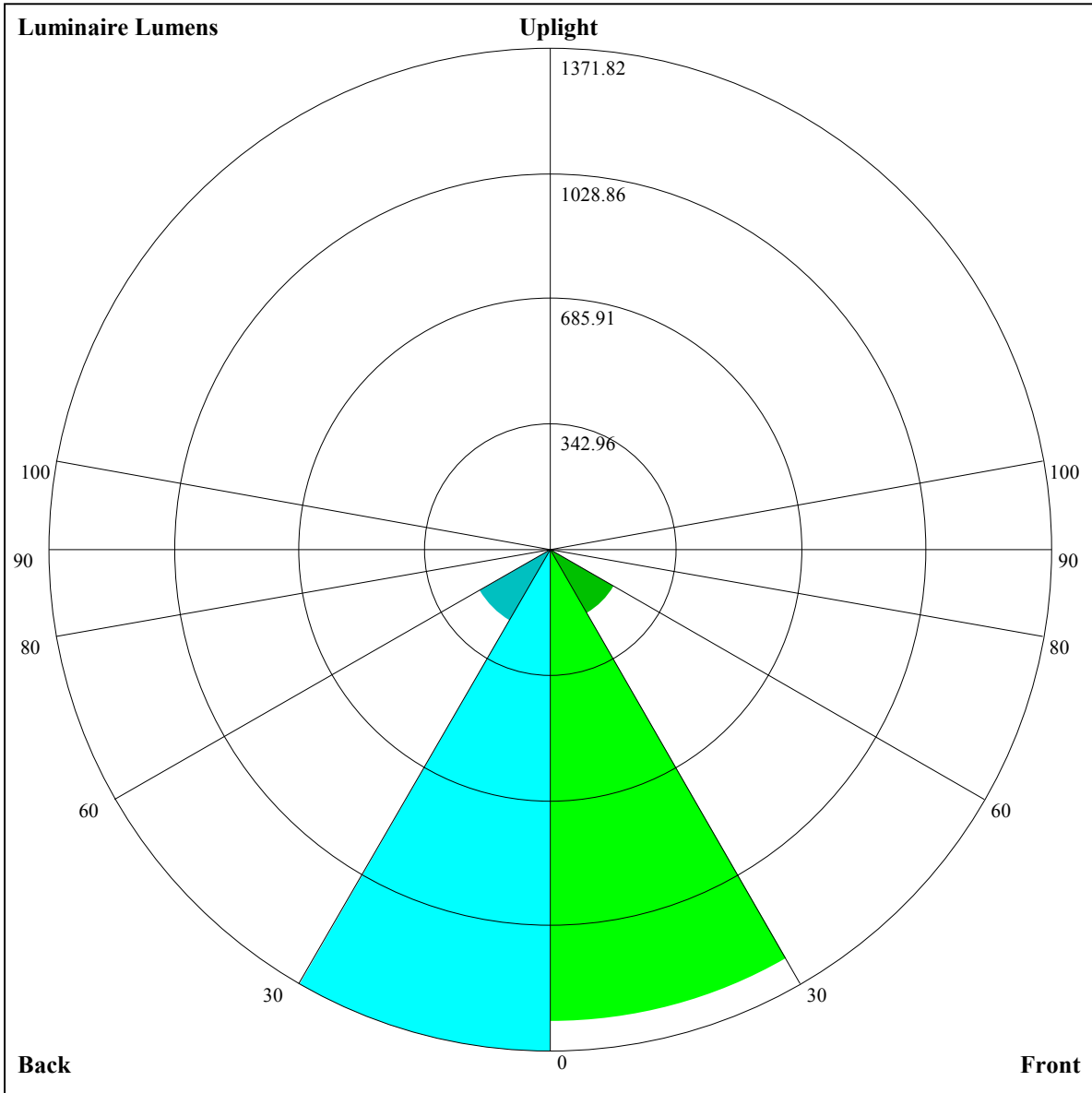
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
10	0.66	0.62	0.59	0.66	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57





Luminaire Lumens:

FL=1293.08,FM=199.98,FH=11.36,FVH=1.22

BL=1371.82,BM=225.2,BH=12.26,BVH=1.39

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	9128.84	8920.49	8677.54	8488.11	8105.87	7490.21	7202.17	6743.61	6244.95
45.0	9288.21	9161.70	8951.66	8692.05	8372.21	7968.84	7532.00	7070.13	6582.03
90.0	9089.84	8864.19	8600.64	8249.11	7997.80	7562.11	6928.63	6645.00	6153.02
135.0	9297.68	9275.91	9121.07	8767.79	8605.11	8266.35	7870.24	7433.39	6982.67
180.0	9128.84	9246.43	9258.67	9163.96	8943.30	8682.01	8386.14	8013.42	7593.28
225.0	9288.21	9270.34	9178.99	8975.63	8763.38	8390.08	8093.10	7671.29	7120.27
270.0	9089.84	9264.82	9283.75	9223.56	9053.10	8787.29	8485.90	8117.59	7700.83
315.0	9297.68	9211.32	9110.45	8875.91	8617.94	8278.65	7849.05	7419.46	6968.74
360.0	9128.84	8920.49	8677.54	8488.11	8105.87	7490.21	7202.17	6743.61	6244.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5799.22	5393.65	4969.63	4582.40	4222.45	3875.91	3558.32	3266.92	3016.77
45.0	6090.63	5671.07	5264.34	4865.97	4478.22	4119.38	3794.59	3601.21	3317.06
90.0	5707.87	5307.81	4892.73	4522.79	4165.11	3839.69	3542.71	3261.35	3020.14
135.0	6505.71	5990.34	5541.30	5149.60	4753.44	4384.61	4046.42	3722.16	3431.86
180.0	7126.42	6645.58	6148.03	5659.40	5229.81	4824.76	4431.96	4218.56	3743.87
225.0	6736.94	6250.57	5747.97	5313.39	4901.66	4510.55	4149.49	3804.05	3497.04
270.0	7257.36	6799.33	6322.95	5832.65	5365.79	4960.69	4570.15	4194.59	3865.87
315.0	6488.47	5988.13	5519.54	5114.49	4711.65	4327.79	3985.66	3659.72	3366.68
360.0	5799.22	5393.65	4969.63	4582.40	4222.45	3875.91	3558.32	3266.92	3016.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2781.66	2566.57	2371.04	2189.39	2070.70	1884.05	1748.65	1635.01	1477.32
45.0	3060.77	2826.23	2613.41	2416.14	2236.17	2059.56	1900.77	1749.81	1611.62
90.0	2791.70	2581.08	2387.76	2215.56	2058.45	1900.77	1755.38	1676.22	1532.51
135.0	3174.99	2924.84	2791.70	2501.98	2392.17	2217.82	1994.96	1909.12	1761.47
180.0	3452.46	3285.31	2934.30	2805.05	2592.75	2398.32	2223.39	2065.13	1907.44
225.0	3211.78	2944.34	2709.75	2488.05	2287.47	2109.18	1945.34	1795.48	1647.26
270.0	3611.83	3318.74	3051.88	2806.15	2580.50	2388.86	2205.52	2037.85	1876.80
315.0	3100.35	2855.77	2637.32	2466.86	2249.57	2112.49	1954.80	1813.30	1661.19
360.0	2781.66	2566.57	2371.04	2189.39	2070.70	1884.05	1748.65	1635.01	1477.32
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1373.14	1058.77	1058.77	974.98	843.42	714.74	596.27	492.77	395.64
45.0	1477.90	1346.39	1214.35	1081.74	942.45	810.41	685.63	571.41	469.96
90.0	1341.92	1074.85	1074.85	963.79	827.81	699.08	579.29	474.43	379.24
135.0	1623.87	1479.00	1335.25	1190.38	1048.31	906.81	770.83	643.26	532.41
180.0	1761.47	1615.51	1472.85	1334.14	1192.06	1053.88	910.70	779.76	655.51
225.0	1505.18	1421.61	1100.61	1044.31	1015.35	880.79	750.59	630.80	523.36
270.0	1729.15	1588.23	1444.47	1301.29	1155.27	1019.92	886.20	756.37	634.32
315.0	1520.79	1377.61	1047.62	1047.62	964.78	830.43	704.86	590.54	487.99
360.0	1373.14	1058.77	1058.77	974.98	843.42	714.74	596.27	492.77	395.64
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	312.27	241.79	185.55	141.71	109.49	87.36	77.16	59.76	54.35
45.0	380.29	331.25	301.71	226.28	147.54	115.11	92.46	75.74	63.60
90.0	298.66	231.91	178.50	137.82	107.86	86.47	71.01	63.97	51.56
135.0	431.54	345.18	284.47	284.47	169.88	131.30	103.13	82.58	68.17
180.0	544.07	444.36	356.90	293.93	293.93	176.45	137.29	107.91	86.26
225.0	429.07	344.97	274.53	215.72	169.15	132.62	110.33	89.15	73.90
270.0	524.57	429.33	343.50	298.92	298.92	181.55	141.60	111.59	90.04
315.0	433.06	317.69	276.69	216.35	167.73	130.51	103.13	83.42	69.17
360.0	312.27	241.79	185.55	141.71	109.49	87.36	77.16	59.76	54.35

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	47.10	41.52	37.32	34.06	31.54	29.75	28.38	27.49	26.91
45.0	54.77	47.88	42.58	38.21	34.90	32.33	30.28	29.38	27.75
90.0	47.52	42.05	37.90	34.59	32.06	30.12	28.65	27.54	26.75
135.0	57.82	50.14	44.21	39.58	35.90	33.11	30.96	29.28	28.12
180.0	70.49	59.19	50.93	44.52	39.47	35.58	32.59	30.17	28.33
225.0	62.65	54.24	47.73	42.47	38.48	35.32	32.59	30.49	28.91
270.0	73.96	62.65	54.03	47.25	42.00	37.74	34.53	31.80	29.75
315.0	58.55	50.67	44.57	39.58	35.74	32.90	30.54	28.80	27.60
360.0	47.10	41.52	37.32	34.06	31.54	29.75	28.38	27.49	26.91
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.49	26.33	26.02	25.55	24.97	23.97	22.60	21.03	19.24
45.0	26.91	26.54	25.97	25.60	25.07	24.55	23.44	22.02	20.50
90.0	26.18	25.76	25.34	24.81	24.18	23.13	21.71	20.87	18.55
135.0	27.23	26.49	26.02	25.65	25.49	25.18	24.23	23.50	22.39
180.0	27.02	26.33	25.23	24.91	24.55	24.07	23.81	23.39	22.60
225.0	27.81	26.91	26.28	25.76	25.34	24.70	24.18	23.18	21.92
270.0	28.49	27.02	26.33	25.60	25.12	24.76	24.39	24.02	23.29
315.0	26.81	26.07	25.70	25.44	25.18	24.70	24.18	23.07	22.02
360.0	26.49	26.33	26.02	25.55	24.97	23.97	22.60	21.03	19.24
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.87	15.66	13.88	12.62	11.20	10.04	9.15	8.41	7.73
45.0	18.82	16.98	15.14	13.40	12.09	10.57	9.57	8.78	8.09
90.0	16.87	15.82	13.40	12.56	11.20	10.09	9.25	8.46	7.83
135.0	20.92	19.34	17.77	16.03	14.45	13.09	11.67	10.67	9.83
180.0	21.50	20.29	18.66	17.08	15.40	13.82	12.51	11.14	9.88
225.0	20.50	19.55	17.14	16.08	14.35	12.98	11.56	10.35	9.46
270.0	22.13	20.71	19.19	17.56	15.87	14.24	12.83	11.46	10.20
315.0	20.50	18.87	17.24	15.51	14.03	12.56	11.25	10.30	9.46
360.0	17.87	15.66	13.88	12.62	11.20	10.04	9.15	8.41	7.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.10	6.62	6.10	5.62	5.10	4.68	4.21	3.73	3.31
45.0	7.52	7.15	6.47	5.94	5.68	5.15	4.68	4.26	3.84
90.0	7.31	6.73	6.20	5.68	5.20	4.73	4.26	3.78	3.36
135.0	9.20	8.57	7.94	7.41	6.94	6.41	5.78	5.31	4.94
180.0	9.15	8.46	7.78	7.25	6.73	6.15	5.73	5.26	4.73
225.0	8.73	8.09	7.52	6.99	6.52	5.99	5.52	4.94	4.52
270.0	9.36	8.62	7.99	7.62	6.78	6.25	5.99	5.26	4.99
315.0	8.73	8.09	7.62	7.04	6.52	5.99	5.73	5.10	4.63
360.0	7.10	6.62	6.10	5.62	5.10	4.68	4.21	3.73	3.31
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.00	2.68	2.31	1.94	1.73	1.37	1.16	1.00	0.84
45.0	3.36	2.89	2.52	2.10	1.84	1.42	1.16	1.00	0.84
90.0	3.00	2.73	2.26	1.89	1.58	1.31	1.05	0.84	0.84
135.0	4.47	3.99	3.68	3.15	2.73	2.47	2.16	1.68	1.21
180.0	4.36	3.89	3.36	3.05	2.68	2.31	2.05	1.68	1.37
225.0	4.05	3.68	3.21	2.84	2.42	2.10	1.84	1.42	1.21
270.0	4.57	3.94	3.57	3.10	2.68	2.31	1.94	1.58	1.31
315.0	4.21	3.84	3.42	3.15	2.73	2.26	1.94	1.58	1.37
360.0	3.00	2.68	2.31	1.94	1.73	1.37	1.16	1.00	0.84

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.79
90.0	0.89
135.0	0.89
180.0	1.16
225.0	1.10
270.0	1.05
315.0	1.16
360.0	0.89