



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: 2-2684-L

Luminaire: 92.70.411.00

Report No: 2024403-B014

Ballast type: AC

Test No: 2024403-C014

Voltage(V): 34.420

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.894

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2950.88, Efficiency(%): 85.83% , Luminous Efficacy(lm/W): 148.33

Central intensity(cd): 6672.501, Maximum intensity(cd): 6672.501

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=66.0

[C90/270]Total=66.0

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.012%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
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	6672.501	0.000	0	0.00%	0.00%
1.0	6657.944	6.378	6.378	0.19%	0.22%
2.0	6615.442	19.051	25.43	0.55%	0.86%
3.0	6542.216	31.469	56.898	0.92%	1.93%
4.0	6455.968	43.509	100.407	1.27%	3.40%
5.0	6332.486	55.015	155.423	1.60%	5.27%
6.0	6191.885	65.819	221.242	1.91%	7.50%
7.0	6024.365	75.826	297.068	2.21%	10.07%
8.0	5844.189	84.941	382.009	2.47%	12.95%
9.0	5628.021	92.976	474.985	2.70%	16.10%
10.0	5390.054	99.710	574.694	2.90%	19.48%
11.0	5150.185	105.319	680.013	3.06%	23.04%
12.0	4882.079	109.667	789.68	3.19%	26.76%
13.0	4616.240	112.721	902.401	3.28%	30.58%
14.0	4350.914	114.779	1017.18	3.34%	34.47%
15.0	4072.566	115.641	1132.821	3.36%	38.39%
16.0	3807.167	115.460	1248.281	3.36%	42.30%
17.0	3540.962	114.430	1362.711	3.33%	46.18%
18.0	3286.828	112.575	1475.287	3.27%	49.99%
19.0	3025.013	109.813	1585.1	3.19%	53.72%
20.0	2774.830	106.153	1691.253	3.09%	57.31%
21.0	2535.912	101.977	1793.23	2.97%	60.77%
22.0	2305.626	97.293	1890.523	2.83%	64.07%
23.0	2098.383	92.408	1982.931	2.69%	67.20%
24.0	1904.161	87.510	2070.441	2.55%	70.16%
25.0	1747.833	83.038	2153.479	2.42%	72.98%
26.0	1605.184	79.148	2232.628	2.30%	75.66%
27.0	1442.514	74.563	2307.19	2.17%	78.19%
28.0	1276.105	68.830	2376.02	2.00%	80.52%
29.0	1195.739	64.670	2440.69	1.88%	82.71%
30.0	1079.177	61.422	2502.113	1.79%	84.79%
31.0	931.781	55.962	2558.075	1.63%	86.69%
32.0	802.899	49.697	2607.771	1.45%	88.37%
33.0	672.365	43.462	2651.233	1.26%	89.85%
34.0	554.223	37.120	2688.353	1.08%	91.10%
35.0	442.591	30.957	2719.31	0.90%	92.15%
36.0	344.149	25.050	2744.36	0.73%	93.00%
37.0	270.674	20.052	2764.412	0.58%	93.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	221.786	16.438	2780.85	0.48%	94.24%
39.0	146.394	12.567	2793.417	0.37%	94.66%
40.0	103.848	8.728	2802.145	0.25%	94.96%
41.0	90.300	6.914	2809.058	0.20%	95.19%
42.0	82.685	6.285	2815.343	0.18%	95.41%
43.0	76.694	5.904	2821.247	0.17%	95.61%
44.0	71.646	5.599	2826.846	0.16%	95.80%
45.0	67.440	5.345	2832.191	0.16%	95.98%
46.0	63.760	5.131	2837.322	0.15%	96.15%
47.0	60.359	4.937	2842.258	0.14%	96.32%
48.0	57.315	4.757	2847.015	0.14%	96.48%
49.0	54.324	4.585	2851.6	0.13%	96.64%
50.0	51.690	4.420	2856.02	0.13%	96.79%
51.0	49.078	4.263	2860.283	0.12%	96.93%
52.0	46.635	4.107	2864.39	0.12%	97.07%
53.0	44.302	3.956	2868.346	0.12%	97.20%
54.0	42.209	3.813	2872.159	0.11%	97.33%
55.0	40.183	3.678	2875.837	0.11%	97.46%
56.0	38.098	3.537	2879.374	0.10%	97.58%
57.0	36.233	3.399	2882.773	0.10%	97.69%
58.0	34.462	3.269	2886.042	0.10%	97.80%
59.0	32.780	3.144	2889.186	0.09%	97.91%
60.0	31.200	3.023	2892.208	0.09%	98.01%
61.0	29.795	2.911	2895.119	0.08%	98.11%
62.0	28.449	2.807	2897.926	0.08%	98.21%
63.0	27.206	2.707	2900.633	0.08%	98.30%
64.0	25.999	2.611	2903.243	0.08%	98.39%
65.0	25.011	2.524	2905.768	0.07%	98.47%
66.0	23.950	2.443	2908.211	0.07%	98.55%
67.0	22.992	2.360	2910.571	0.07%	98.63%
68.0	22.114	2.285	2912.856	0.07%	98.71%
69.0	21.331	2.216	2915.072	0.06%	98.79%
70.0	20.585	2.153	2917.225	0.06%	98.86%
71.0	19.846	2.090	2919.315	0.06%	98.93%
72.0	19.203	2.030	2921.345	0.06%	99.00%
73.0	18.625	1.978	2923.323	0.06%	99.07%
74.0	18.054	1.928	2925.252	0.06%	99.13%
75.0	17.549	1.881	2927.133	0.05%	99.20%

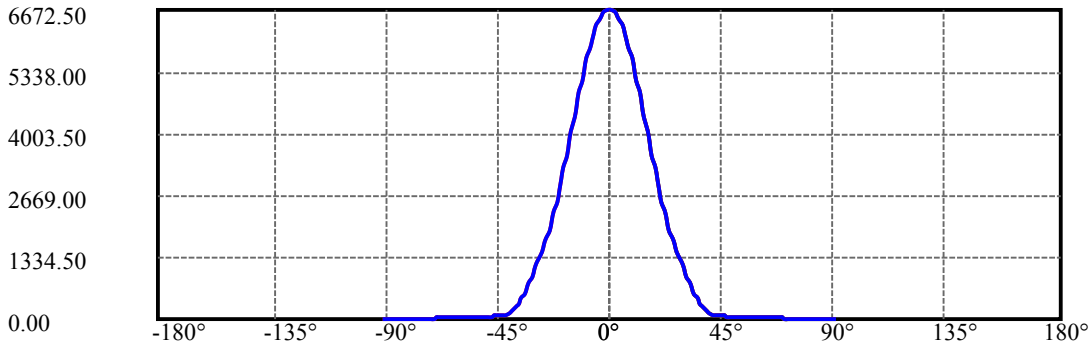
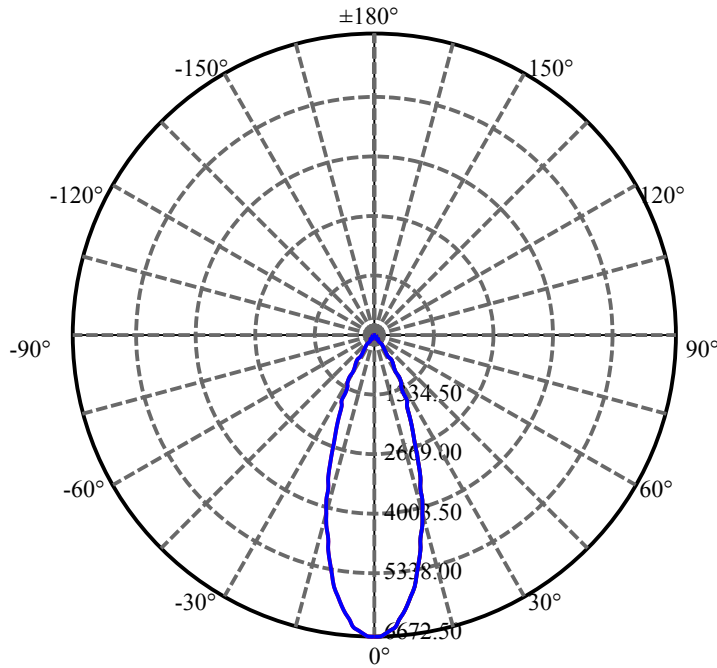
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.081	1.838	2928.971	0.05%	99.26%
77.0	16.650	1.798	2930.77	0.05%	99.32%
78.0	16.233	1.760	2932.53	0.05%	99.38%
79.0	15.845	1.724	2934.253	0.05%	99.44%
80.0	15.450	1.687	2935.94	0.05%	99.49%
81.0	15.040	1.649	2937.589	0.05%	99.55%
82.0	14.682	1.612	2939.201	0.05%	99.60%
83.0	14.345	1.578	2940.779	0.05%	99.66%
84.0	13.841	1.536	2942.315	0.04%	99.71%
85.0	13.460	1.490	2943.805	0.04%	99.76%
86.0	13.204	1.458	2945.262	0.04%	99.81%
87.0	12.970	1.432	2946.695	0.04%	99.86%
88.0	12.824	1.413	2948.107	0.04%	99.91%
89.0	12.604	1.394	2949.501	0.04%	99.95%
90.0	12.560	1.380	2950.881	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2502.11	72.78%	84.79%
0-40	2802.14	81.51%	94.96%
0-60	2892.21	84.12%	98.01%
0-90	2949.50	85.79%	99.95%
0-120	2949.50	85.79%	99.95%
0-180	2950.88	85.83%	100.00%
60-90	57.29	1.67%	1.94%
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%
0-27.78	2360.71	68.67%	80.00%

ZONAL LUMEN SUMMARY

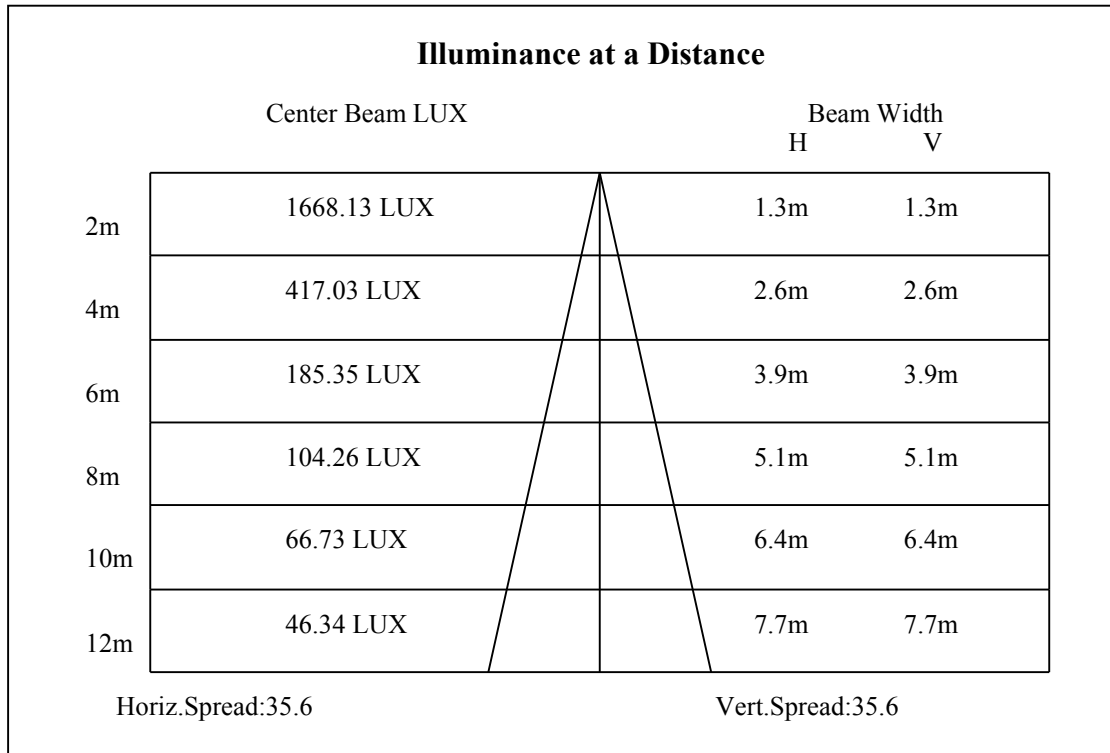
0-10	574.69
10-20	1116.56
20-30	810.86
30-40	300.03
40-50	53.88
50-60	36.19
60-70	25.02
70-80	18.72
80-90	13.56
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

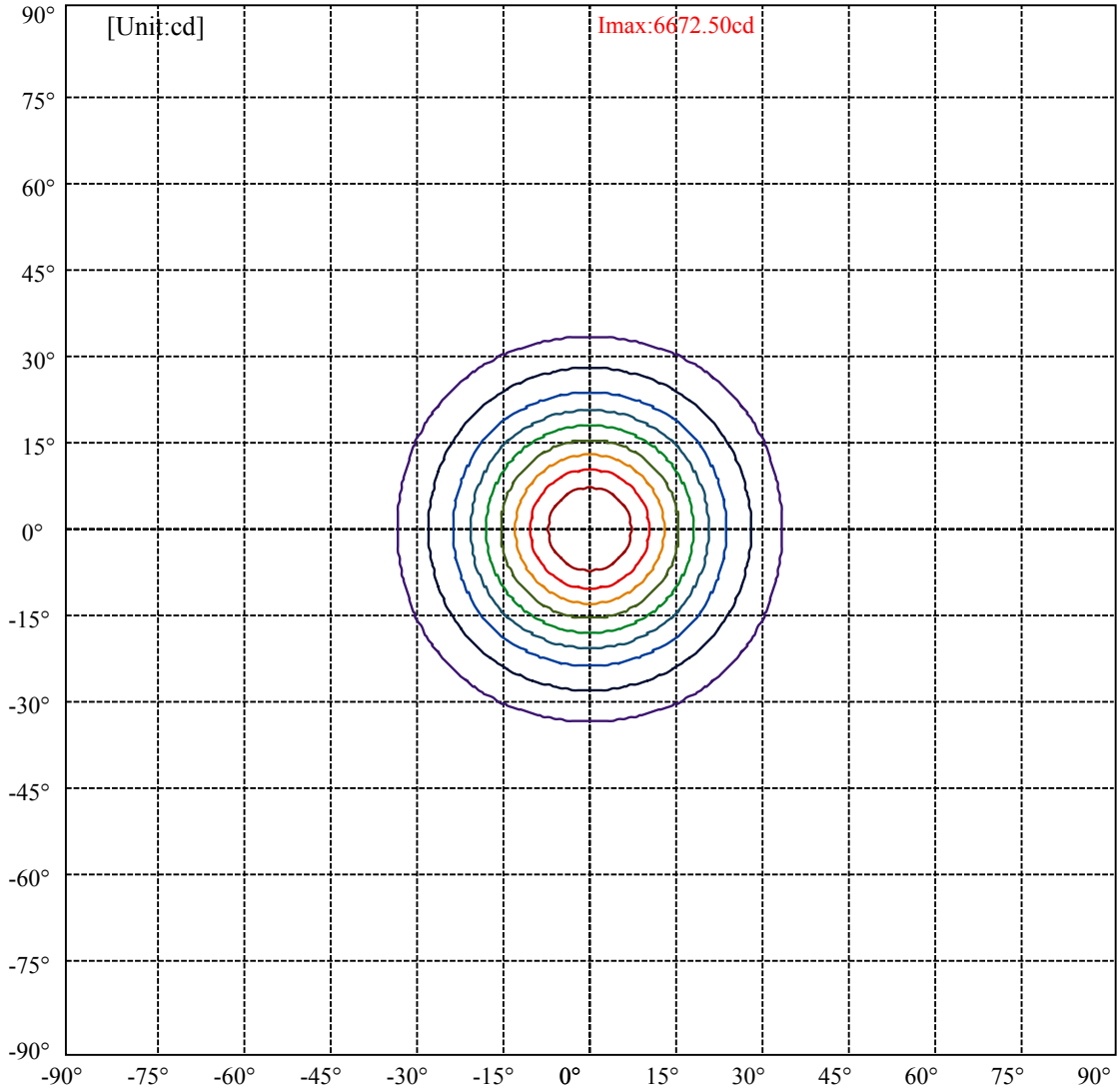


C0(Max): —————
C0/C180: —————
C90/C270: —————

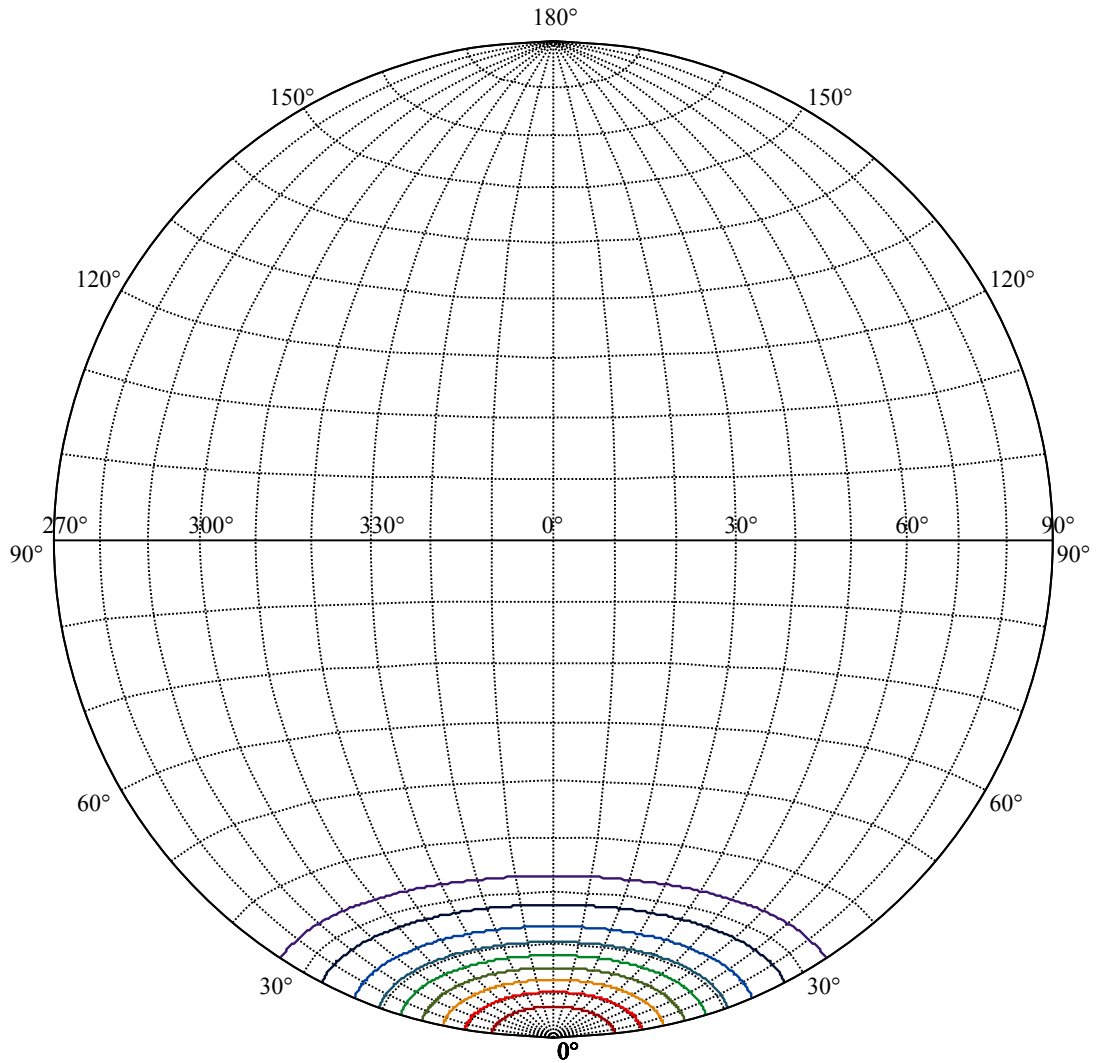
Field angle(10%Imax):C0/180Left:33.0 Right:33.0
:C90/270Left:33.0 Right:33.0

Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8
:C90/270Left:17.8 Right:17.8





(10%I _{max}) 667.25	—
(20%I _{max}) 1334.5	—
(30%I _{max}) 2001.75	—
(40%I _{max}) 2669	—
(50%I _{max}) 3336.25	—
(60%I _{max}) 4003.5	—
(70%I _{max}) 4670.75	—
(80%I _{max}) 5338	—
(90%I _{max}) 6005.25	—



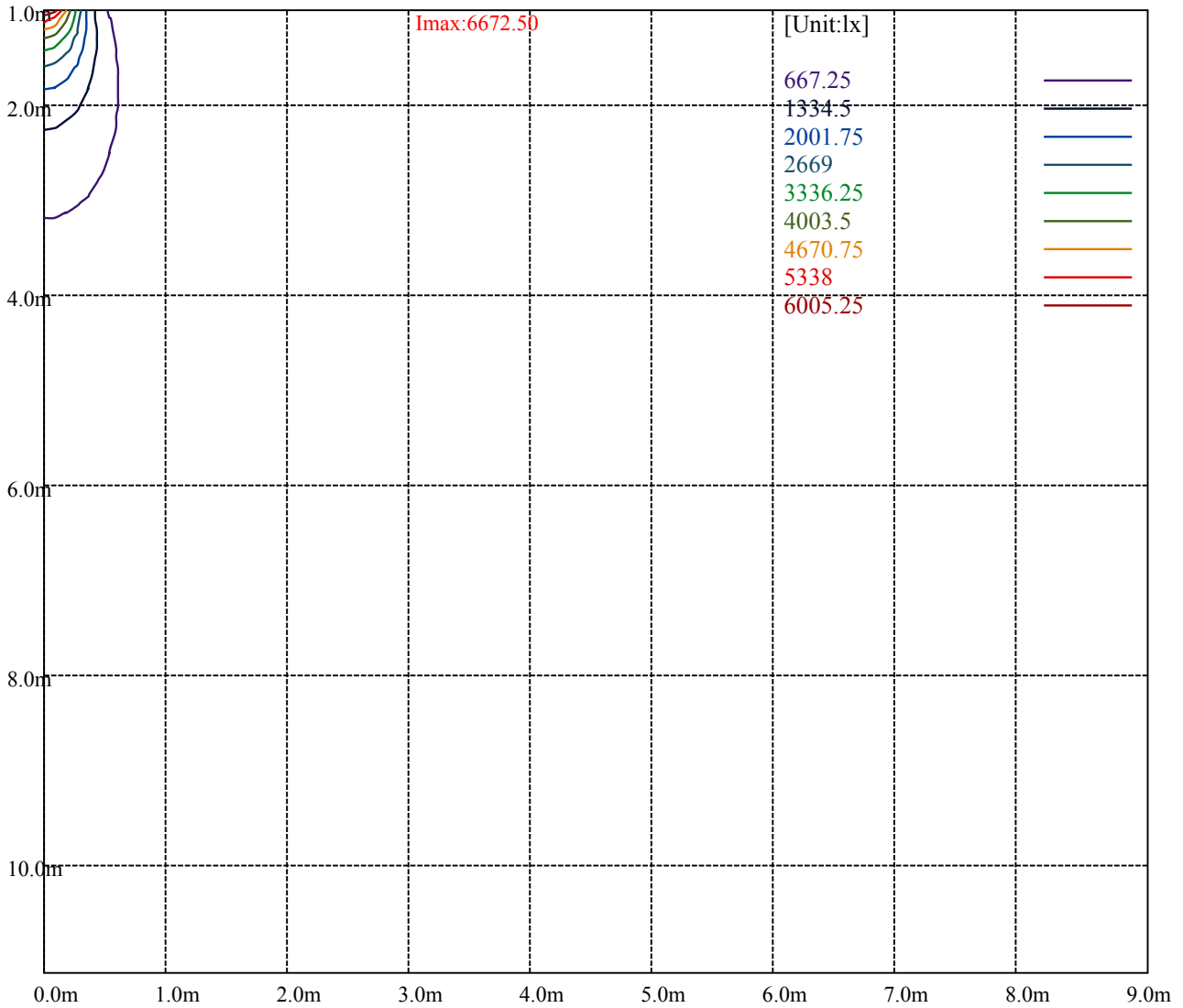
House

[Unit:cd]

Road

I_{max}:6672.50

(10%I _{max})	667.25	—
(20%I _{max})	1334.5	—
(30%I _{max})	2001.75	—
(40%I _{max})	2669	—
(50%I _{max})	3336.25	—
(60%I _{max})	4003.5	—
(70%I _{max})	4670.75	—
(80%I _{max})	5338	—
(90%I _{max})	6005.25	—



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

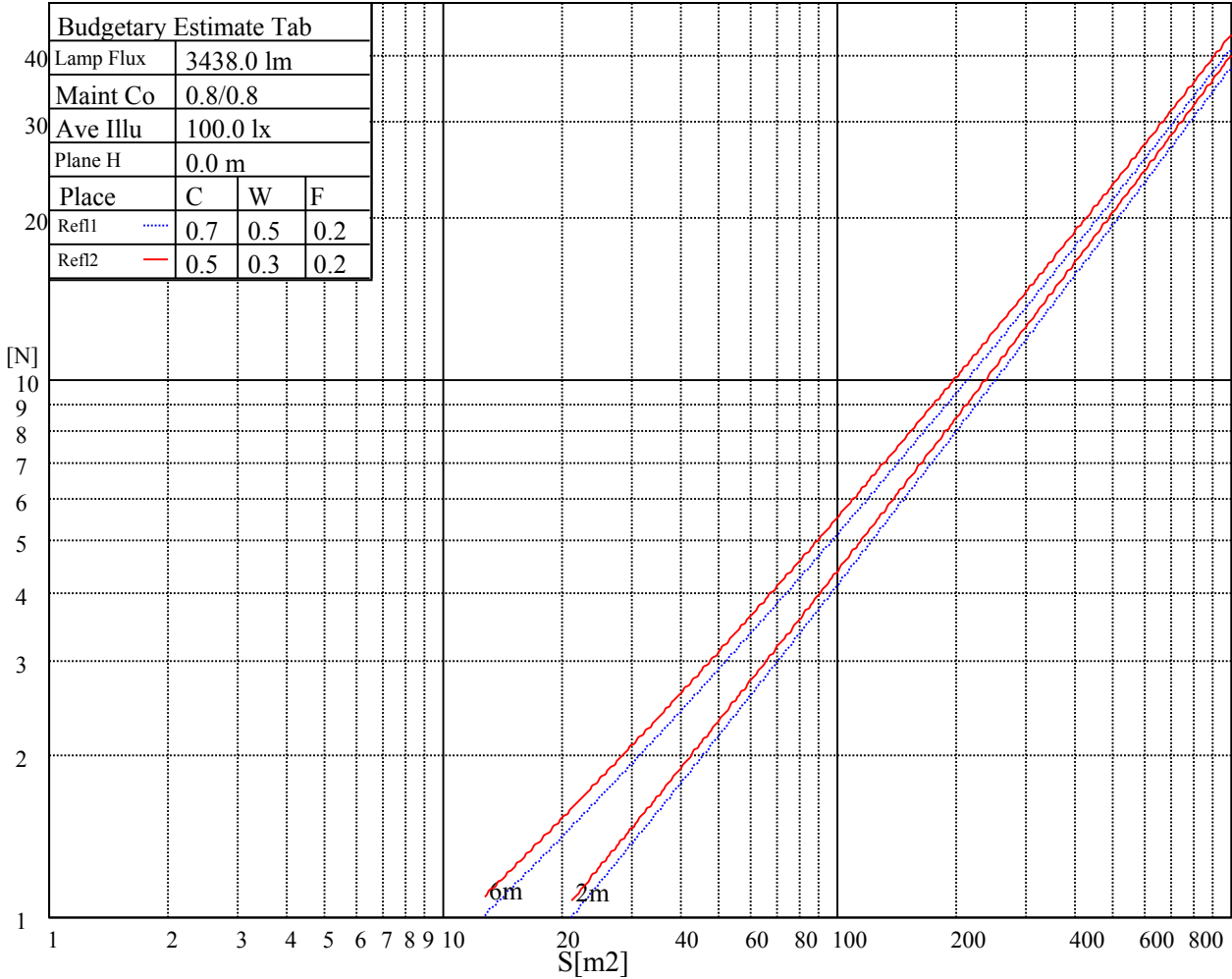
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

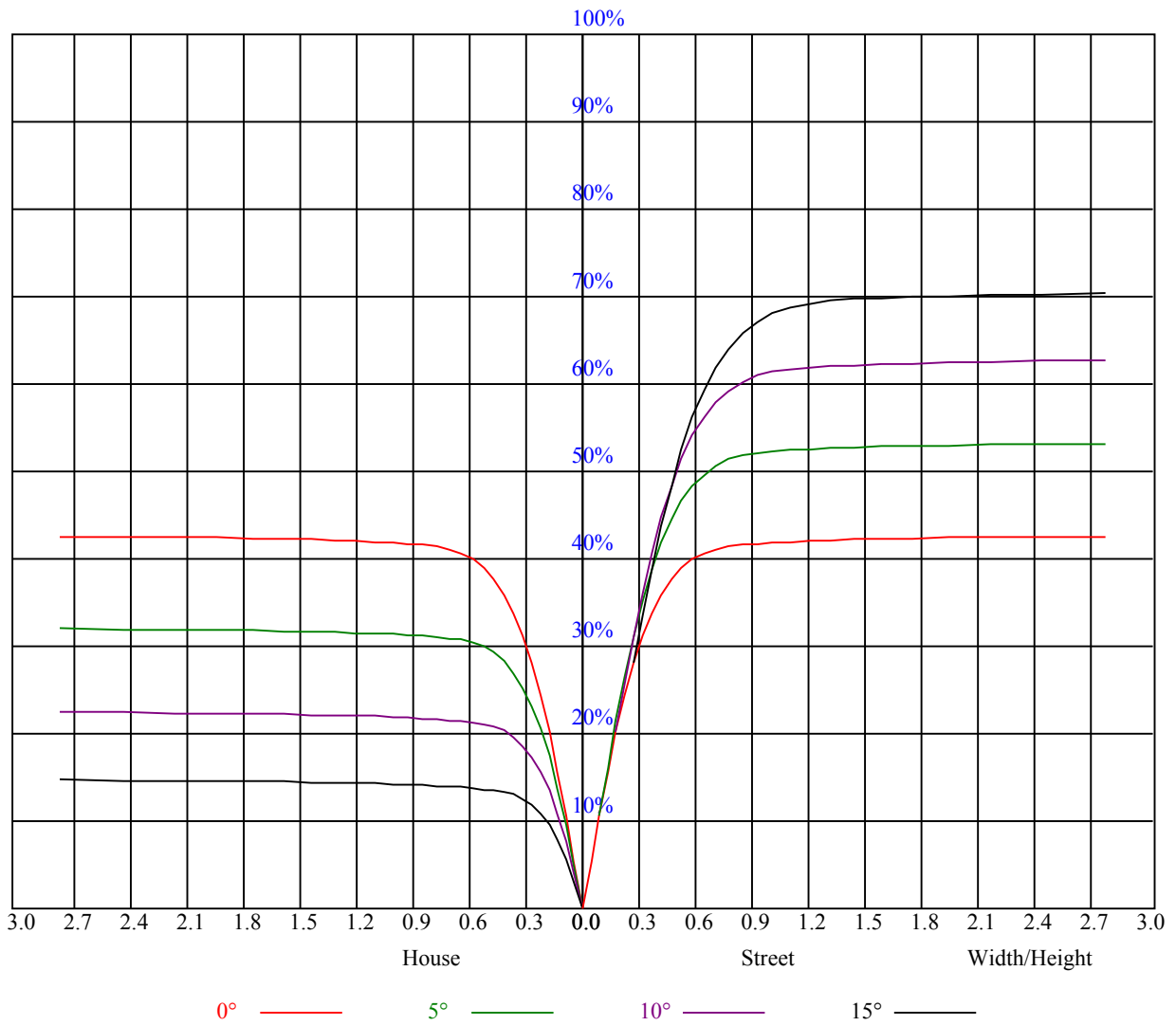


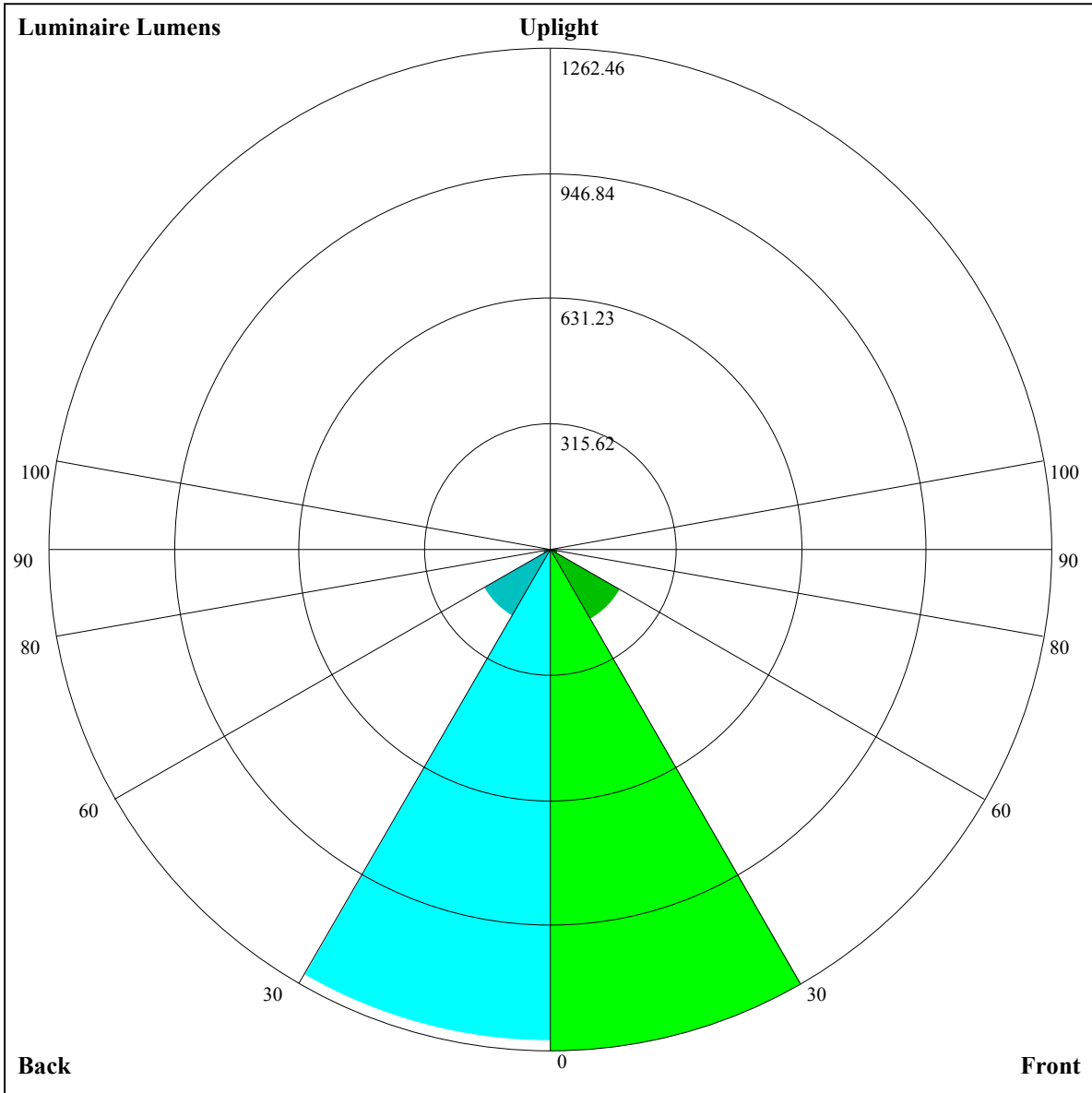
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.95	0.93	0.92	0.94	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.85	0.83	0.86	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	0.75	0.74	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.61	0.69	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
8	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:

FL=1262.46,FM=201.38,FH=21.95,FVH=7.51

BL=1236.13,BM=192.41,BH=21.83,BVH=7.46

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	6679.23	6664.02	6615.44	6545.21	6459.77	6321.66	6195.25	6040.75	5876.30
45.0	6669.28	6682.16	6675.13	6642.95	6570.96	6482.60	6379.01	6226.27	6078.79
90.0	6685.67	6665.19	6611.93	6540.53	6444.56	6346.24	6178.86	6027.88	5851.14
135.0	6655.82	6675.13	6645.87	6576.82	6504.83	6399.49	6278.94	6102.20	5941.26
180.0	6679.23	6667.53	6618.37	6549.90	6469.14	6333.36	6194.67	6038.41	5864.01
225.0	6669.28	6610.76	6549.31	6442.80	6338.63	6176.52	6012.66	5786.76	5577.84
270.0	6685.67	6673.38	6636.51	6563.94	6486.69	6345.65	6222.76	6070.01	5844.12
315.0	6655.82	6625.39	6570.96	6475.57	6373.16	6254.36	6072.94	5902.64	5720.05
360.0	6679.23	6664.02	6615.44	6545.21	6459.77	6321.66	6195.25	6040.75	5876.30
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5624.07	5408.12	5181.06	4936.43	4630.94	4380.47	4134.09	3820.41	3578.71
45.0	5908.49	5672.64	5467.23	5241.92	4941.70	4692.39	4434.89	4124.72	3878.34
90.0	5605.34	5384.13	5147.70	4839.28	4587.64	4334.82	4018.21	3775.34	3533.06
135.0	5756.33	5553.84	5278.20	5046.45	4788.95	4540.23	4220.70	3974.32	3670.00
180.0	5612.37	5397.59	5159.99	4844.55	4595.83	4342.43	4013.53	3783.54	3479.22
225.0	5351.94	5050.55	4795.98	4545.50	4290.93	3976.66	3732.04	3494.44	3248.64
270.0	5656.26	5435.63	5196.27	4876.15	4616.31	4377.54	4107.17	3805.19	3569.35
315.0	5509.37	5217.92	4975.06	4726.34	4477.61	4162.76	3919.90	3679.37	3370.37
360.0	5624.07	5408.12	5181.06	4936.43	4630.94	4380.47	4134.09	3820.41	3578.71
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3345.20	3045.57	2813.24	2587.34	2315.21	2112.14	1929.55	1769.78	1601.23
45.0	3632.55	3394.95	3094.14	2857.13	2628.30	2405.33	2150.18	1965.83	1796.70
90.0	3237.52	3001.09	2768.76	2538.76	2273.66	2078.19	1901.45	1751.05	1586.02
135.0	3432.99	3190.71	2897.51	2665.76	2439.86	2230.35	1990.41	1823.03	1676.14
180.0	3235.18	2999.34	2752.96	2472.05	2273.07	2074.10	1891.51	1707.16	1579.58
225.0	2952.52	2716.67	2494.29	2229.77	2043.66	1834.15	1693.70	1569.05	1454.93
270.0	3329.99	3016.31	2767.59	2545.79	2282.44	2089.31	1869.27	1724.13	1595.97
315.0	3128.67	2835.47	2610.16	2390.70	2188.80	1963.49	1807.23	1672.63	1550.90
360.0	3345.20	3045.57	2813.24	2587.34	2315.21	2112.14	1929.55	1769.78	1601.23
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1485.36	1152.72	1152.72	1085.83	959.89	833.65	684.25	573.17	445.12
45.0	1617.62	1497.06	1350.76	1228.45	1100.28	972.12	814.69	694.14	580.60
90.0	1467.80	1153.83	1153.83	1054.87	892.47	766.12	645.62	529.51	398.95
135.0	1550.90	1406.35	1282.29	1157.05	997.28	869.12	747.98	603.43	495.74
180.0	1462.54	1343.74	1188.65	1053.46	893.11	769.04	652.00	519.15	423.18
225.0	1146.10	1146.10	1049.19	918.69	762.43	645.91	536.89	435.88	323.40
270.0	1481.85	1343.74	1223.18	1097.36	969.19	812.35	687.70	576.51	471.16
315.0	1327.93	1165.30	1165.30	1037.72	879.59	754.88	609.80	502.01	402.58
360.0	1485.36	1152.72	1152.72	1085.83	959.89	833.65	684.25	573.17	445.12
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	350.73	269.09	182.36	130.15	101.54	90.77	82.98	77.37	70.99
45.0	475.85	355.88	313.15	313.15	140.40	101.95	88.95	82.46	75.61
90.0	308.00	230.93	165.62	113.88	94.28	86.85	80.76	74.79	70.52
135.0	395.67	306.72	306.72	146.77	111.66	93.34	86.67	80.88	75.79
180.0	333.64	313.15	222.39	125.53	100.95	91.53	83.22	77.95	73.04
225.0	244.62	164.10	119.85	96.97	87.26	81.17	75.73	69.88	66.36
270.0	352.95	310.23	310.23	131.38	103.41	91.65	83.69	77.95	72.33
315.0	291.73	215.30	153.97	113.30	91.30	85.15	79.47	72.28	68.53
360.0	350.73	269.09	182.36	130.15	101.54	90.77	82.98	77.37	70.99

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	67.24	62.85	59.75	57.00	53.78	51.32	49.04	46.29	44.24
45.0	70.99	67.24	63.03	59.87	56.47	53.78	51.32	48.98	46.23
90.0	66.07	62.74	59.69	56.24	53.72	51.27	48.98	46.29	44.13
135.0	70.70	66.95	63.50	59.69	56.88	54.13	50.86	48.52	45.76
180.0	69.00	64.49	61.21	58.23	54.72	52.09	49.04	46.76	44.59
225.0	63.09	60.16	56.77	54.19	51.79	49.39	46.64	44.59	42.49
270.0	67.48	63.91	60.69	57.88	54.37	51.73	49.33	46.99	44.30
315.0	64.96	61.74	58.23	55.42	52.85	49.80	47.40	44.65	42.66
360.0	67.24	62.85	59.75	57.00	53.78	51.32	49.04	46.29	44.24
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.19	39.80	37.98	36.23	34.53	32.60	31.13	29.73	28.62
45.0	44.18	42.31	40.26	38.04	36.17	34.41	32.54	31.13	29.67
90.0	42.14	40.20	37.92	36.11	34.35	32.54	31.02	29.67	28.27
135.0	43.66	41.61	39.68	37.34	35.52	33.94	32.48	30.67	29.38
180.0	42.49	40.09	38.27	36.52	34.76	32.83	31.37	29.90	28.44
225.0	40.09	38.27	36.05	34.41	32.83	31.37	29.73	28.56	27.27
270.0	42.31	40.38	38.04	36.28	34.24	32.71	31.31	29.90	28.32
315.0	40.61	38.80	36.58	34.94	33.30	31.84	30.02	28.79	27.62
360.0	42.19	39.80	37.98	36.23	34.53	32.60	31.13	29.73	28.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.15	26.04	25.16	23.99	23.06	22.06	21.36	20.66	19.90
45.0	28.15	27.15	26.10	24.87	23.88	23.06	22.30	21.36	20.60
90.0	27.10	25.75	24.87	23.99	23.00	22.00	21.30	20.60	19.90
135.0	28.27	26.80	25.81	24.87	23.64	22.71	22.00	21.13	20.31
180.0	27.21	26.04	24.81	23.88	22.94	21.95	21.19	20.54	19.66
225.0	26.10	24.93	23.94	23.00	22.18	21.30	20.54	19.84	19.14
270.0	27.21	26.04	25.05	23.88	22.94	22.18	21.24	20.54	19.84
315.0	26.45	25.22	24.35	23.12	22.30	21.65	20.72	20.01	19.43
360.0	27.15	26.04	25.16	23.99	23.06	22.06	21.36	20.66	19.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.20	18.67	18.20	17.67	17.15	16.74	16.39	15.98	15.63
45.0	19.90	19.37	18.61	18.14	17.56	17.21	16.80	16.33	15.92
90.0	19.20	18.67	18.14	17.67	17.21	16.80	16.33	16.04	15.63
135.0	19.66	19.14	18.49	17.97	17.50	17.09	16.56	16.21	15.86
180.0	19.14	18.55	18.02	17.38	16.97	16.56	16.15	15.74	15.39
225.0	18.55	17.91	17.44	16.97	16.50	16.04	15.68	15.27	14.81
270.0	19.14	18.55	17.91	17.38	16.97	16.50	16.04	15.63	15.33
315.0	18.84	18.14	17.62	17.21	16.80	16.27	15.92	15.57	15.04
360.0	19.20	18.67	18.20	17.67	17.15	16.74	16.39	15.98	15.63
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.22	14.81	14.57	13.93	13.52	13.28	12.99	12.82	12.64
45.0	15.57	15.22	14.81	14.40	13.93	13.52	13.23	12.99	12.76
90.0	15.10	14.81	14.51	13.87	13.52	13.28	12.99	12.76	12.58
135.0	15.39	15.04	14.57	14.10	13.64	13.34	13.17	12.82	12.70
180.0	14.86	14.51	14.16	13.75	13.28	13.11	12.87	12.87	12.47
225.0	14.46	14.16	13.81	13.40	13.17	12.93	12.82	12.52	12.76
270.0	14.92	14.51	14.28	13.75	13.40	13.11	12.87	12.99	12.47
315.0	14.81	14.40	14.05	13.52	13.23	13.05	12.82	12.82	12.47
360.0	15.22	14.81	14.57	13.93	13.52	13.28	12.99	12.82	12.64

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.47
45.0	12.52
90.0	12.47
135.0	12.41
180.0	12.64
225.0	12.52
270.0	12.76
315.0	12.70
360.0	12.47