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Nata

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.412.00

Report No: 2024823-B017

Ballast type: AC

Test No: 2024823-C017

Voltage(V): 35.230

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.290

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3080.13, Efficiency(%): 93.03% , Luminous Efficacy(lm/W): 151.81

Central intensity(cd): 4484.067, Maximum intensity(cd): 4486.150

Angle of maximum intensity: C=0.0 $\gamma=2.0$

Beam Angle(50%Imax): [C0/180]Total=51.2

[C90/270]Total=51.2

Field angle(10%Imax): [C0/180]Total=73.6

[C90/270]Total=73.6

Maximum s/h(1/2): C0_180=0.81 C90_270=0.81

Maximum s/h(1/4): C0_180=0.77 C90_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.03%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.298%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
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	4484.067	0.000	0	0.00%	0.00%
1.0	4482.596	4.290	4.29	0.13%	0.14%
2.0	4486.150	12.873	17.163	0.39%	0.56%
3.0	4484.205	21.454	38.617	0.65%	1.25%
4.0	4478.693	30.002	68.619	0.91%	2.23%
5.0	4472.497	38.508	107.127	1.16%	3.48%
6.0	4464.632	46.967	154.094	1.42%	5.00%
7.0	4444.219	55.297	209.391	1.67%	6.80%
8.0	4416.985	63.418	272.809	1.92%	8.86%
9.0	4377.438	71.274	344.083	2.15%	11.17%
10.0	4324.501	78.749	422.832	2.38%	13.73%
11.0	4253.811	85.715	508.547	2.59%	16.51%
12.0	4171.833	92.104	600.651	2.78%	19.50%
13.0	4081.859	97.951	698.602	2.96%	22.68%
14.0	3984.566	103.250	801.851	3.12%	26.03%
15.0	3862.963	107.734	909.586	3.25%	29.53%
16.0	3740.032	111.405	1020.991	3.36%	33.15%
17.0	3601.793	114.332	1135.323	3.45%	36.86%
18.0	3464.940	116.515	1251.838	3.52%	40.64%
19.0	3316.043	117.975	1369.813	3.56%	44.47%
20.0	3142.830	118.215	1488.028	3.57%	48.31%
21.0	2997.968	117.916	1605.944	3.56%	52.14%
22.0	2843.848	117.394	1723.338	3.55%	55.95%
23.0	2670.359	115.703	1839.041	3.49%	59.71%
24.0	2501.811	113.082	1952.123	3.42%	63.38%
25.0	2343.019	110.161	2062.284	3.33%	66.95%
26.0	2170.023	106.531	2168.815	3.22%	70.41%
27.0	1993.545	101.863	2270.677	3.08%	73.72%
28.0	1818.800	96.520	2367.198	2.92%	76.85%
29.0	1579.273	88.903	2456.101	2.69%	79.74%
30.0	1436.573	81.427	2537.528	2.46%	82.38%
31.0	1209.687	73.642	2611.17	2.22%	84.77%
32.0	1048.300	64.689	2675.859	1.95%	86.87%
33.0	895.626	57.269	2733.127	1.73%	88.73%
34.0	750.409	49.814	2782.941	1.50%	90.35%
35.0	629.193	42.845	2825.786	1.29%	91.74%
36.0	518.509	36.543	2862.33	1.10%	92.93%
37.0	427.116	30.841	2893.171	0.93%	93.93%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	350.881	25.969	2919.139	0.78%	94.77%
39.0	301.400	22.264	2941.403	0.67%	95.50%
40.0	245.138	19.061	2960.464	0.58%	96.12%
41.0	197.681	15.769	2976.233	0.48%	96.63%
42.0	170.953	13.393	2989.626	0.40%	97.06%
43.0	123.995	10.926	3000.552	0.33%	97.42%
44.0	99.757	8.445	3008.997	0.26%	97.69%
45.0	81.268	6.957	3015.954	0.21%	97.92%
46.0	66.551	5.781	3021.735	0.17%	98.10%
47.0	56.051	4.876	3026.611	0.15%	98.26%
48.0	47.214	4.175	3030.786	0.13%	98.40%
49.0	40.854	3.617	3034.402	0.11%	98.52%
50.0	36.183	3.212	3037.614	0.10%	98.62%
51.0	32.057	2.887	3040.501	0.09%	98.71%
52.0	29.054	2.622	3043.123	0.08%	98.80%
53.0	26.406	2.413	3045.536	0.07%	98.88%
54.0	24.238	2.232	3047.768	0.07%	98.95%
55.0	22.214	2.074	3049.842	0.06%	99.02%
56.0	20.644	1.937	3051.778	0.06%	99.08%
57.0	19.225	1.823	3053.601	0.06%	99.14%
58.0	17.917	1.718	3055.319	0.05%	99.19%
59.0	16.866	1.626	3056.945	0.05%	99.25%
60.0	15.861	1.546	3058.491	0.05%	99.30%
61.0	14.993	1.472	3059.963	0.04%	99.35%
62.0	14.093	1.402	3061.365	0.04%	99.39%
63.0	13.344	1.334	3062.699	0.04%	99.43%
64.0	12.674	1.277	3063.976	0.04%	99.48%
65.0	11.984	1.220	3065.197	0.04%	99.52%
66.0	11.380	1.166	3066.362	0.04%	99.55%
67.0	10.775	1.114	3067.476	0.03%	99.59%
68.0	10.204	1.063	3068.539	0.03%	99.62%
69.0	9.626	1.012	3069.551	0.03%	99.66%
70.0	9.126	0.963	3070.514	0.03%	99.69%
71.0	8.601	0.916	3071.43	0.03%	99.72%
72.0	8.088	0.868	3072.298	0.03%	99.75%
73.0	7.595	0.820	3073.118	0.02%	99.77%
74.0	7.149	0.775	3073.893	0.02%	99.80%
75.0	6.669	0.730	3074.623	0.02%	99.82%

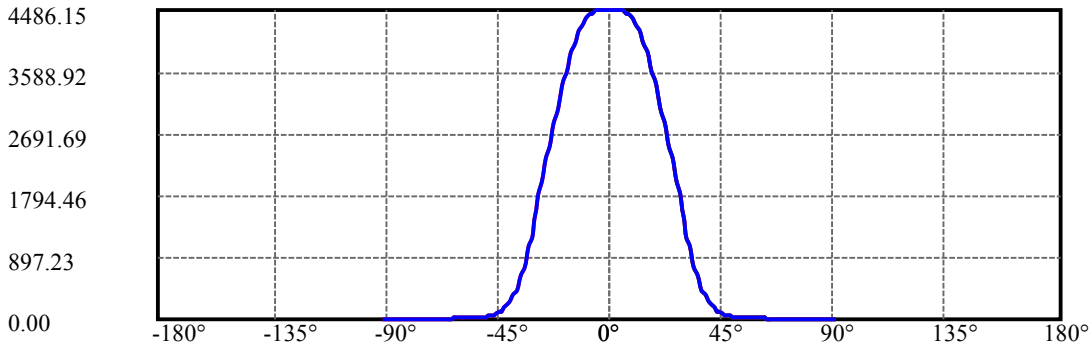
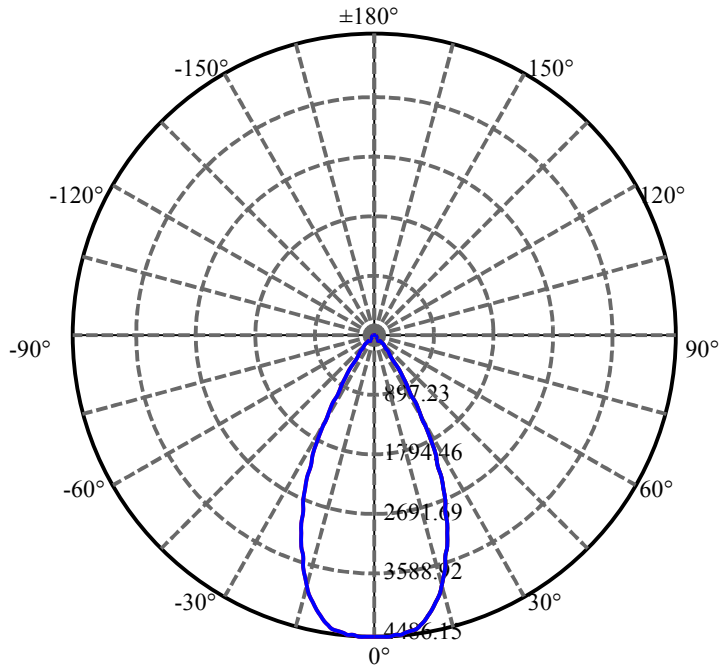
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.209	0.684	3075.307	0.02%	99.84%
77.0	5.696	0.635	3075.941	0.02%	99.86%
78.0	5.263	0.587	3076.528	0.02%	99.88%
79.0	4.750	0.538	3077.066	0.02%	99.90%
80.0	4.330	0.490	3077.555	0.01%	99.92%
81.0	3.837	0.442	3077.997	0.01%	99.93%
82.0	3.410	0.393	3078.39	0.01%	99.94%
83.0	2.976	0.347	3078.737	0.01%	99.95%
84.0	2.582	0.303	3079.04	0.01%	99.96%
85.0	2.227	0.262	3079.303	0.01%	99.97%
86.0	1.905	0.226	3079.528	0.01%	99.98%
87.0	1.610	0.192	3079.721	0.01%	99.99%
88.0	1.321	0.161	3079.881	0.00%	99.99%
89.0	1.091	0.132	3080.014	0.00%	100.00%
90.0	0.972	0.113	3080.127	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2537.53	76.64%	82.38%
0-40	2960.46	89.41%	96.12%
0-60	3058.49	92.37%	99.30%
0-90	3080.01	93.02%	100.00%
0-120	3080.01	93.02%	100.00%
0-180	3080.13	93.03%	100.00%
60-90	21.52	0.65%	0.70%
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%
0-29.10	2464.10	74.42%	80.00%

ZONAL LUMEN SUMMARY

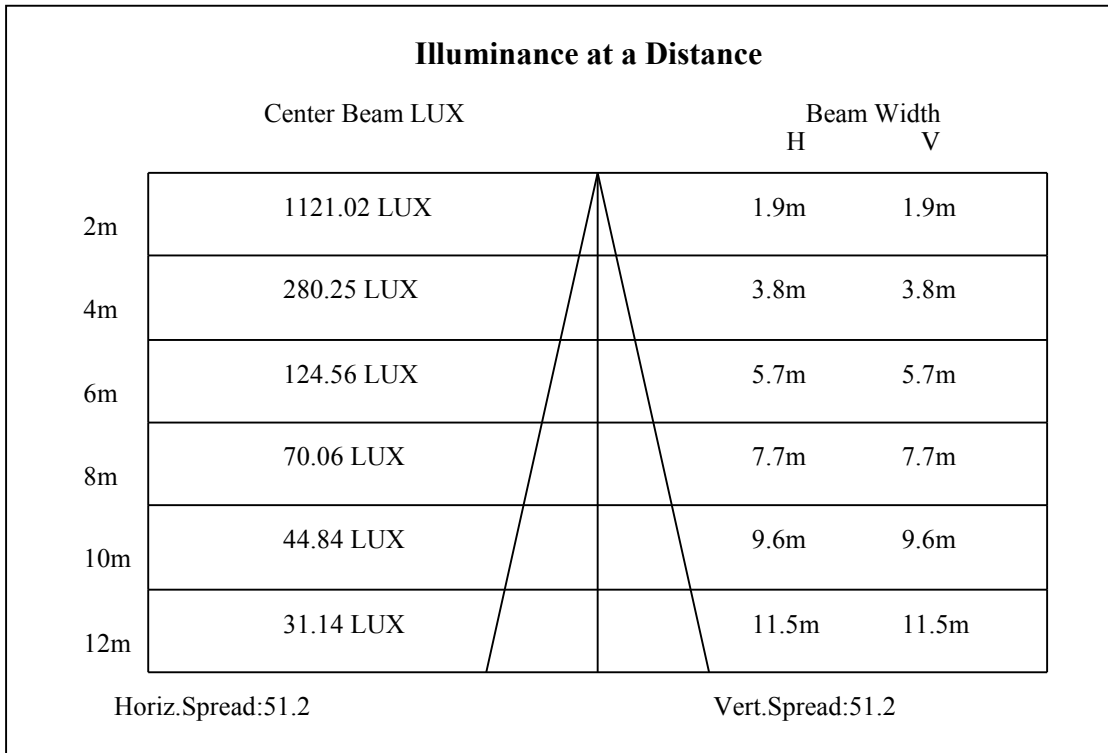
0-10	422.83
10-20	1065.20
20-30	1049.50
30-40	422.94
40-50	77.15
50-60	20.88
60-70	12.02
70-80	7.04
80-90	2.46
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

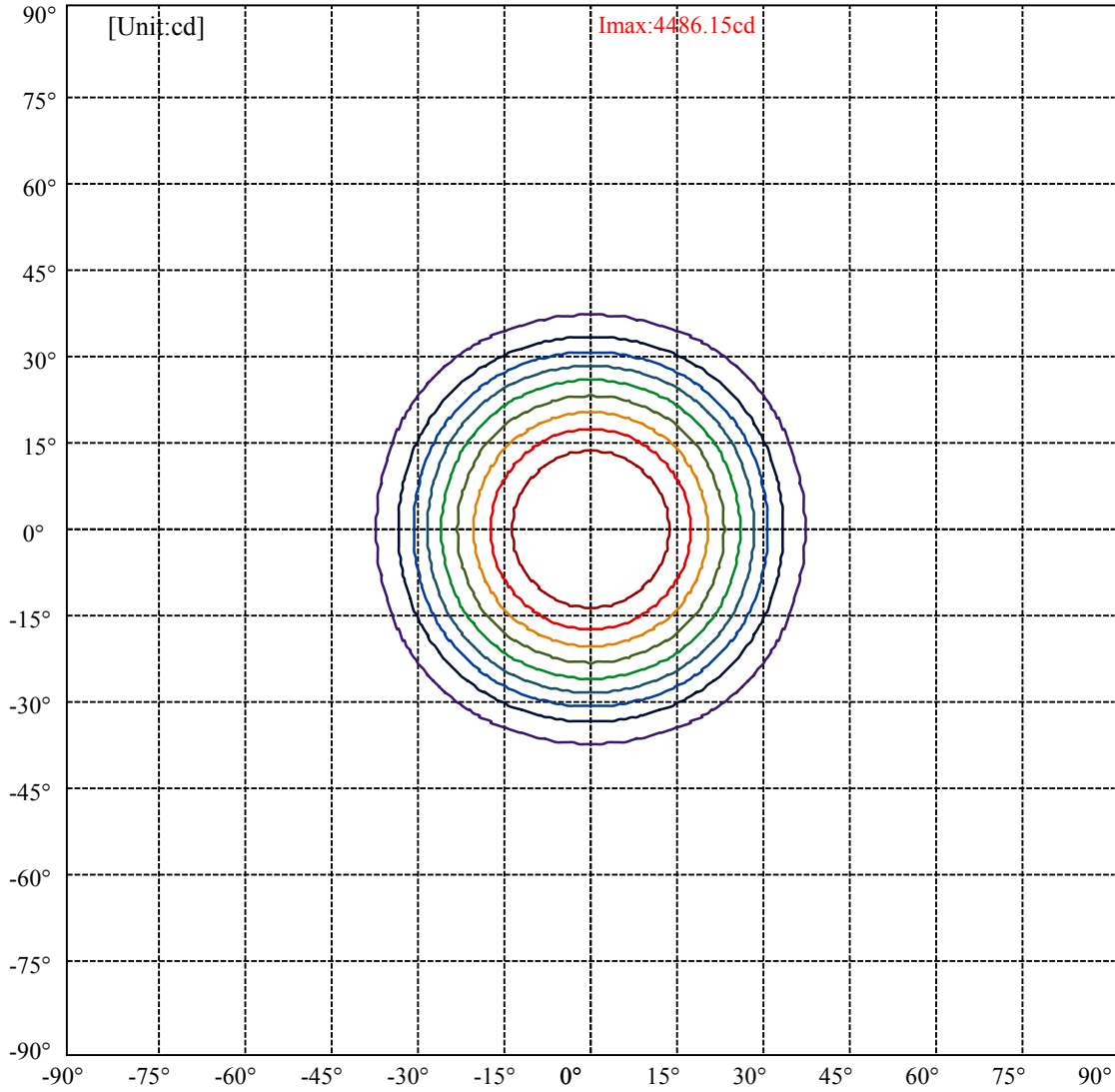


C0(Max): —————
C0/C180: —————
C90/C270: —————

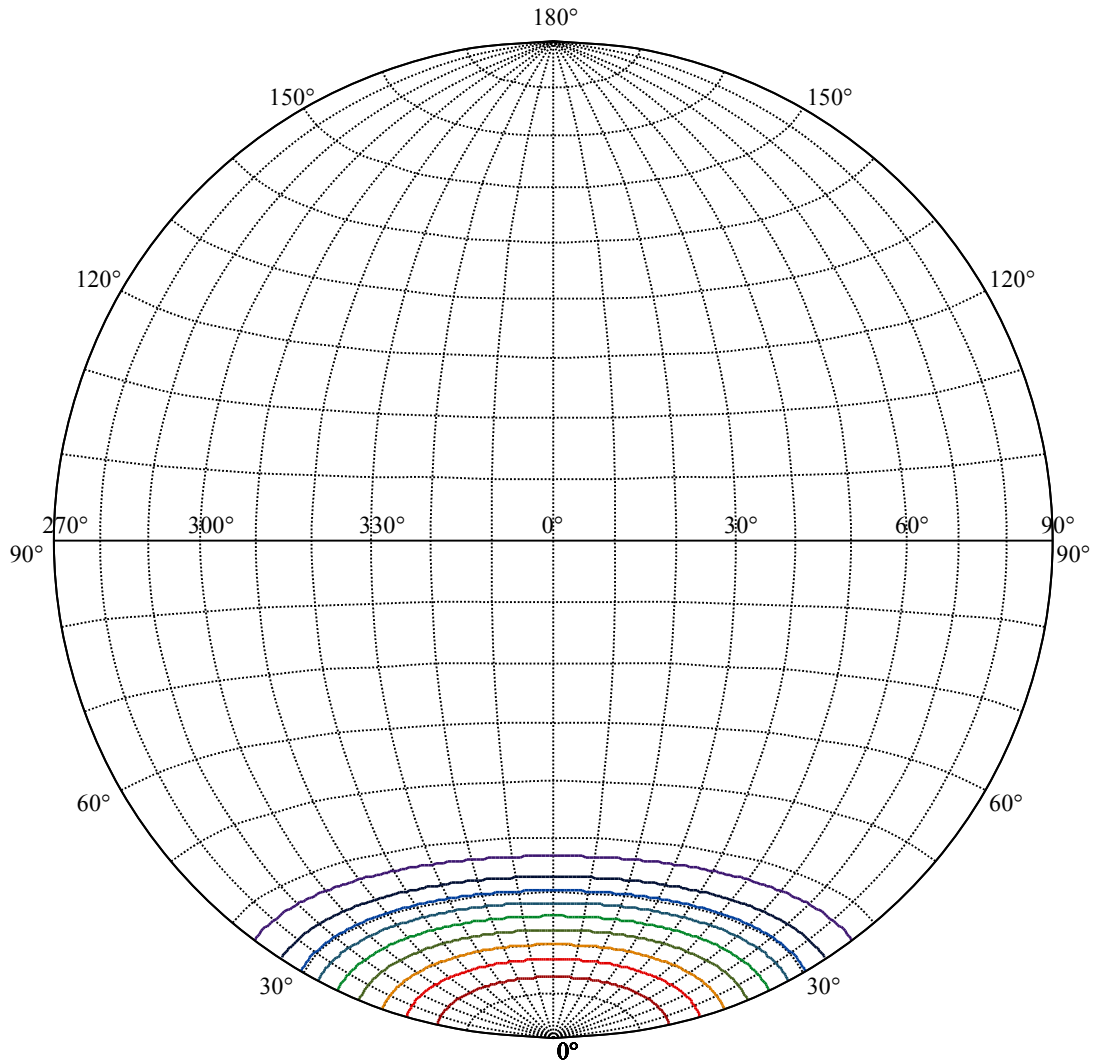
Field angle(10%Imax):C0/180Left:38.8 Right:34.8
:C90/270Left:38.8 Right:34.8

Beam Angle(50%Imax):C0/180Left:27.6 Right:23.6
:C90/270Left:27.6 Right:23.6





(10%Imax) 448.615	—
(20%Imax) 897.23	—
(30%Imax) 1345.84	—
(40%Imax) 1794.46	—
(50%Imax) 2243.07	—
(60%Imax) 2691.69	—
(70%Imax) 3140.3	—
(80%Imax) 3588.92	—
(90%Imax) 4037.53	—



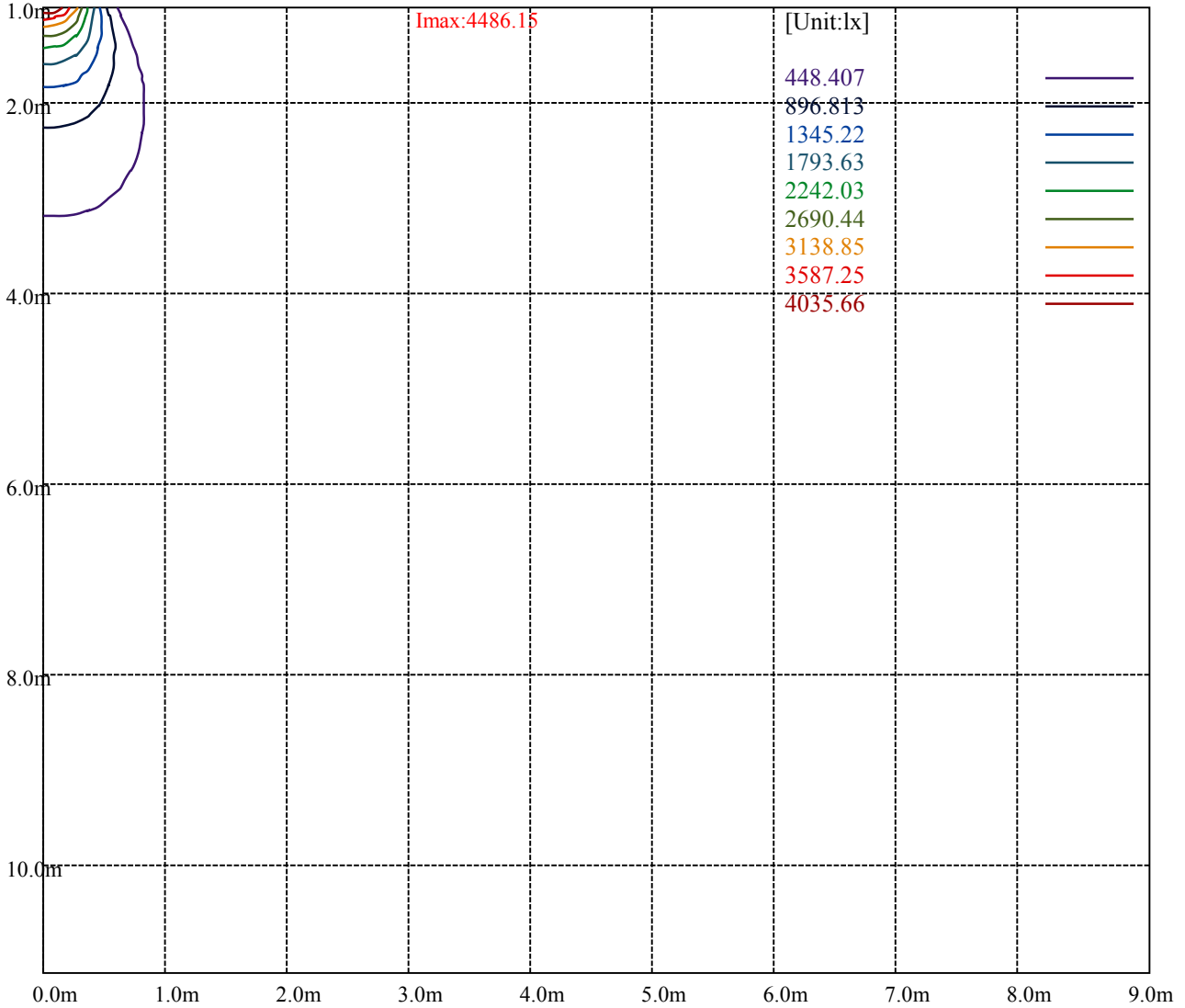
House

[Unit:cd]

Road

Imax:4486.15

(10%Imax) 448.615	—
(20%Imax) 897.23	—
(30%Imax) 1345.84	—
(40%Imax) 1794.46	—
(50%Imax) 2243.07	—
(60%Imax) 2691.69	—
(70%Imax) 3140.3	—
(80%Imax) 3588.92	—
(90%Imax) 4037.53	—



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

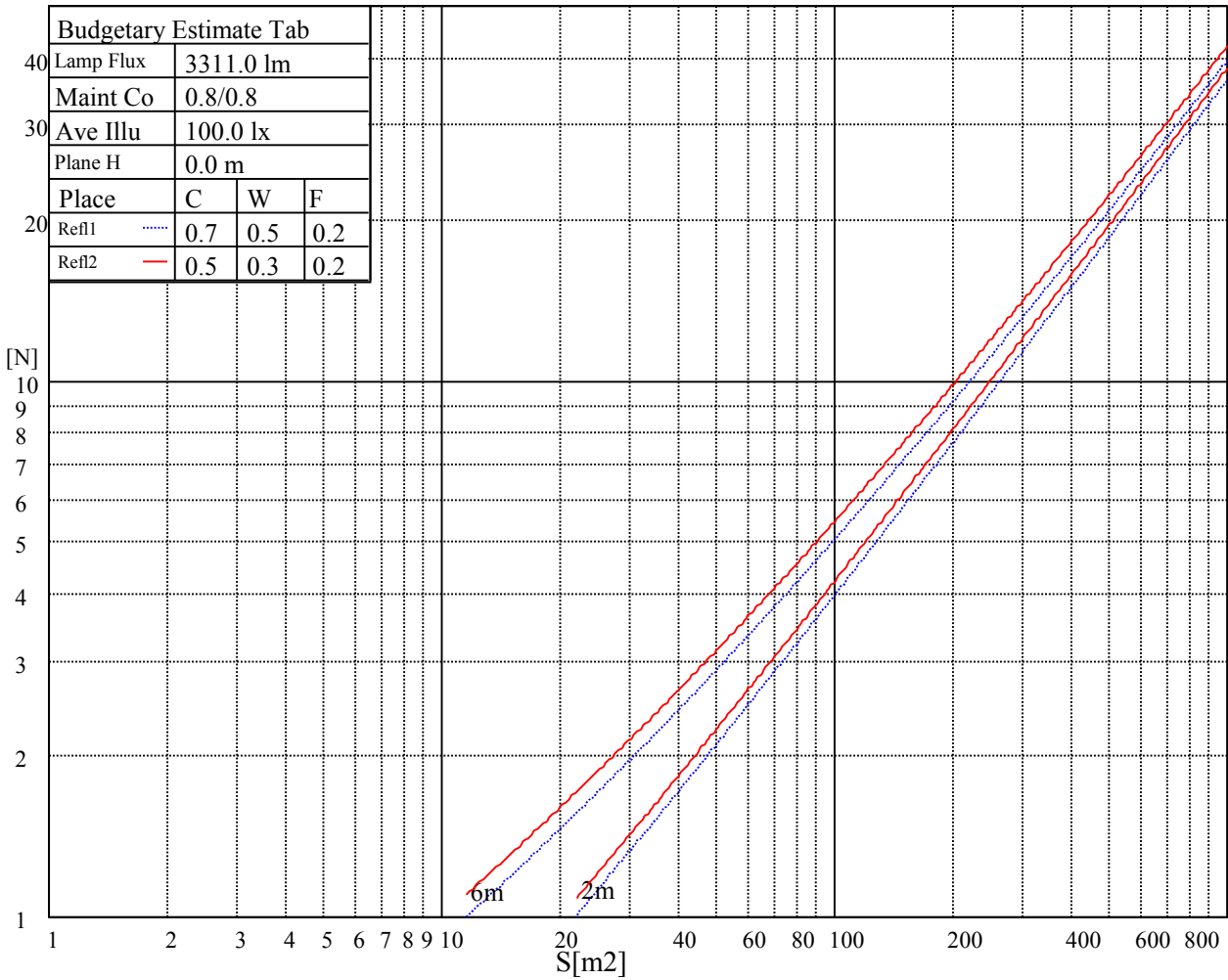
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

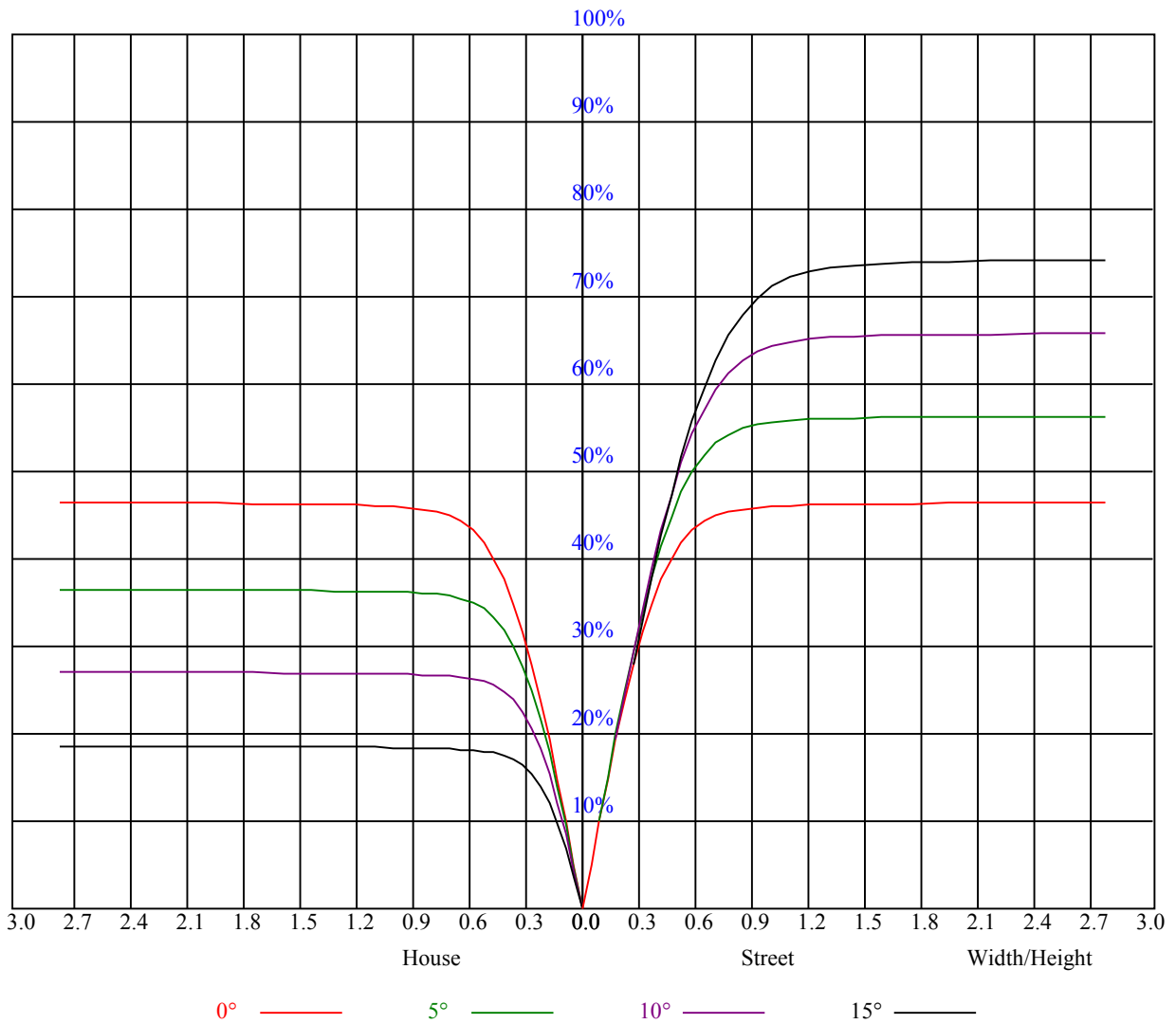


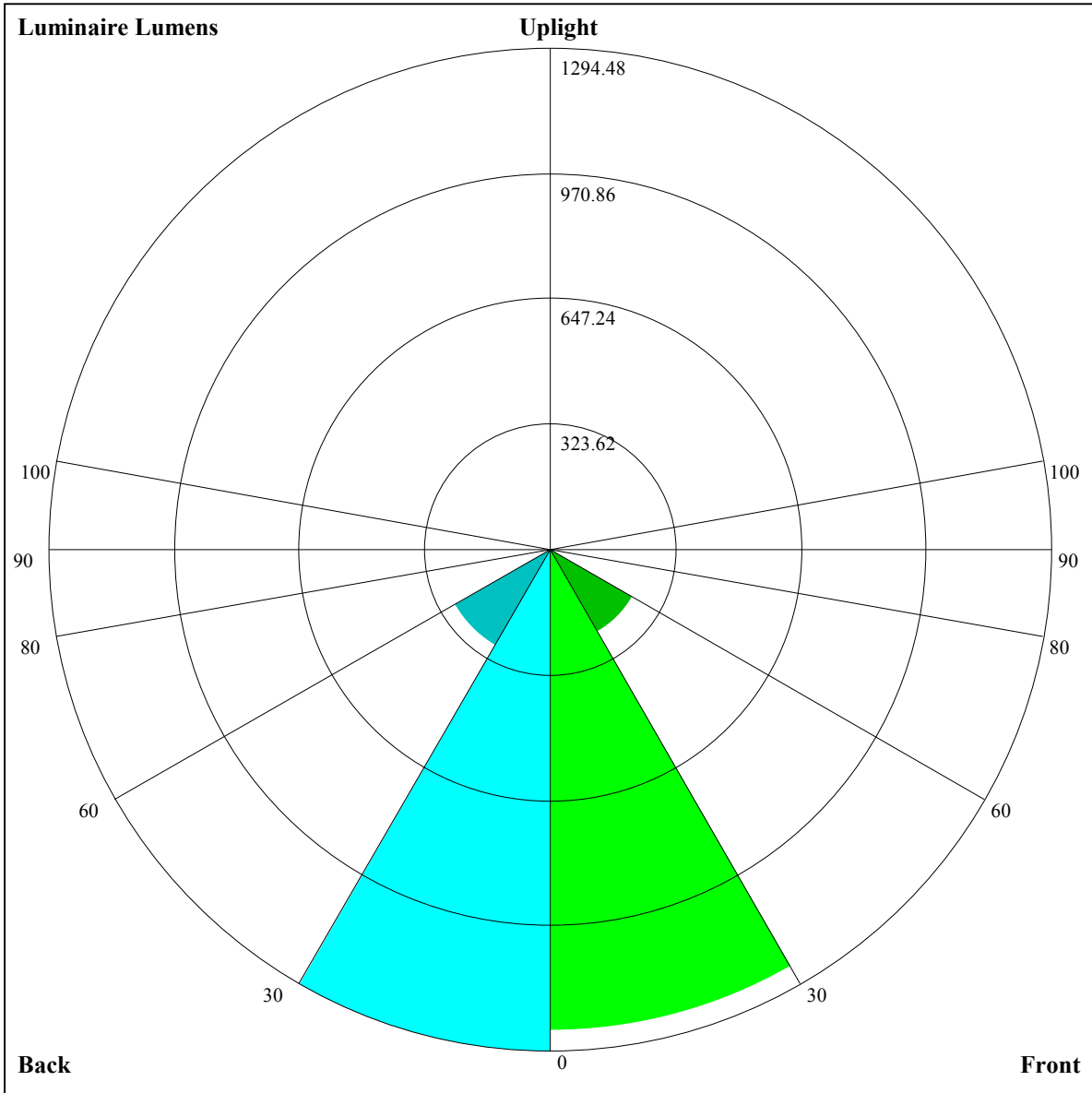
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.01	0.99	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.83	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.72	0.80	0.76	0.72	0.79	0.75	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.62
8	0.69	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58
9	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.55
10	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.53





Luminaire Lumens:

FL=1240.08,FM=246.45,FH=9.38,FVH=1.25

BL=1294.48,BM=285.92,BH=9.79,BVH=1.37

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	4476.54	4468.18	4457.04	4450.36	4423.03	4404.11	4384.61	4339.45	4284.32
45.0	4490.47	4478.75	4471.54	4458.72	4443.11	4415.25	4406.89	4387.39	4342.82
90.0	4492.15	4462.03	4470.97	4455.36	4438.64	4429.76	4396.33	4348.97	4297.67
135.0	4477.12	4499.40	4494.36	4482.69	4495.46	4473.17	4474.86	4459.24	4443.11
180.0	4476.54	4487.68	4509.97	4509.39	4507.76	4522.21	4521.69	4511.07	4512.75
225.0	4490.47	4496.62	4514.96	4533.94	4527.79	4533.94	4534.46	4532.83	4517.22
270.0	4492.15	4486.58	4482.11	4502.19	4513.86	4514.96	4527.26	4520.53	4509.39
315.0	4477.12	4481.53	4488.26	4481.01	4479.90	4486.58	4470.97	4454.25	4428.60
360.0	4476.54	4468.18	4457.04	4450.36	4423.03	4404.11	4384.61	4339.45	4284.32
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4220.82	4152.28	4060.87	3958.38	3854.20	3748.34	3623.50	3477.01	3327.68
45.0	4291.57	4226.92	4155.59	4070.39	3983.45	3883.16	3758.38	3612.36	3469.18
90.0	4240.32	4172.88	4078.74	3971.73	3864.24	3736.62	3590.65	3439.64	3289.78
135.0	4397.96	4351.75	4290.47	4208.52	4122.74	4025.24	3912.12	3773.93	3625.18
180.0	4497.72	4452.04	4396.33	4339.45	4262.03	4170.10	4070.91	3963.37	3828.55
225.0	4487.68	4441.43	4376.25	4286.00	4192.39	4080.95	3966.73	3849.73	3720.48
270.0	4511.65	4484.32	4428.60	4372.88	4300.45	4220.82	4117.75	4015.20	3903.24
315.0	4371.78	4314.38	4243.63	4167.31	4075.38	4011.31	3863.66	3789.02	3650.26
360.0	4220.82	4152.28	4060.87	3958.38	3854.20	3748.34	3623.50	3477.01	3327.68
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3180.56	3090.89	2868.02	2705.86	2606.15	2366.00	2261.82	2085.73	1918.06
45.0	3319.32	3171.10	3017.88	2859.08	2689.15	2583.87	2333.67	2225.02	2052.30
90.0	3199.53	3046.31	2812.83	2704.18	2524.79	2342.61	2166.00	1987.13	1811.09
135.0	3474.75	3321.00	3165.52	3000.64	2825.13	2649.62	2475.22	2295.25	2115.27
180.0	3682.58	3556.12	3371.67	3247.99	3093.67	2889.73	2754.33	2581.08	2413.35
225.0	3601.79	3399.53	3270.86	3120.43	2969.99	2807.84	2635.12	2457.93	2280.74
270.0	3766.73	3606.26	3445.79	3296.46	3142.71	2986.71	2822.87	2718.69	2544.87
315.0	3494.25	3337.14	3190.07	3049.10	2899.19	2736.51	2565.47	2393.33	2224.50
360.0	3180.56	3090.89	2868.02	2705.86	2606.15	2366.00	2261.82	2085.73	1918.06
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1747.55	1567.57	1103.08	1103.08	955.06	790.28	649.46	536.72	442.89
45.0	1880.16	1699.08	1504.08	1305.18	1106.81	920.16	759.69	624.86	517.90
90.0	1630.54	1438.32	1047.99	1047.99	870.33	716.69	615.56	489.46	418.82
135.0	1970.99	1750.33	1599.37	1404.36	1206.57	1017.14	842.16	695.09	574.19
180.0	2246.21	2072.38	1896.88	1711.33	1523.00	1329.67	1132.46	948.60	780.87
225.0	2113.07	1950.38	1772.62	1585.97	1303.50	1095.24	1020.19	845.10	750.91
270.0	2309.18	2201.63	2021.13	1835.59	1642.79	1447.78	1255.03	1069.49	891.20
315.0	2050.67	1870.70	1689.04	1499.08	1069.44	1069.44	890.46	793.96	656.77
360.0	1747.55	1567.57	1103.08	1103.08	955.06	790.28	649.46	536.72	442.89
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	362.73	295.66	238.79	209.46	166.83	121.37	105.76	84.73	68.44
45.0	427.65	351.33	286.68	286.68	176.08	153.59	111.33	96.98	77.63
90.0	344.34	281.58	228.49	183.50	146.28	116.32	92.77	74.80	61.24
135.0	475.01	391.96	321.21	308.96	284.99	170.46	136.82	109.80	96.24
180.0	644.36	532.41	438.21	359.11	318.42	293.35	281.10	166.57	133.25
225.0	616.87	508.91	421.08	344.86	281.21	226.44	179.97	142.71	113.22
270.0	733.51	604.26	500.61	413.14	339.03	300.60	300.60	189.07	145.39
315.0	543.60	450.83	371.98	305.49	248.25	199.32	159.26	127.31	102.65
360.0	362.73	295.66	238.79	209.46	166.83	121.37	105.76	84.73	68.44

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	56.14	47.41	41.00	35.95	32.12	29.01	26.39	24.13	22.23
45.0	63.29	52.56	44.84	39.11	34.48	30.75	27.81	25.39	23.34
90.0	51.51	44.21	38.84	34.59	31.06	28.17	25.70	23.65	21.87
135.0	77.48	63.29	52.98	45.41	39.58	35.22	31.64	28.65	26.12
180.0	106.23	85.47	69.49	57.45	48.62	41.94	36.79	32.75	29.38
225.0	90.09	72.33	59.19	49.67	42.63	37.16	33.01	29.65	26.91
270.0	122.10	98.82	80.79	66.75	55.98	47.94	41.84	37.06	33.17
315.0	83.31	68.33	61.29	48.78	42.37	39.26	33.27	31.17	28.23
360.0	56.14	47.41	41.00	35.95	32.12	29.01	26.39	24.13	22.23
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.55	19.13	17.92	16.82	15.82	14.88	14.35	13.56	12.56
45.0	21.50	19.97	18.66	17.40	16.35	15.82	14.51	13.77	13.30
90.0	20.34	18.82	17.66	16.98	15.61	15.03	14.24	13.40	12.67
135.0	24.02	22.13	20.55	19.08	17.82	16.71	15.72	14.82	13.98
180.0	26.75	24.39	22.44	20.76	19.34	18.03	17.08	16.08	15.14
225.0	25.02	22.50	21.08	19.55	18.24	17.14	16.08	15.09	14.30
270.0	30.01	27.28	25.07	23.07	21.34	19.82	18.50	17.77	16.19
315.0	25.70	23.50	21.76	20.13	18.82	17.50	16.40	15.45	14.61
360.0	20.55	19.13	17.92	16.82	15.82	14.88	14.35	13.56	12.56
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.25	11.56	10.99	10.46	9.83	9.36	8.78	8.36	7.83
45.0	12.30	11.98	11.30	10.72	10.25	9.62	9.04	8.62	8.09
90.0	12.04	11.41	10.83	10.20	9.67	9.20	8.62	8.09	7.62
135.0	13.35	12.46	11.98	11.30	10.62	10.14	9.57	8.99	8.52
180.0	14.30	13.46	12.83	12.14	11.51	10.83	10.35	9.78	9.20
225.0	13.51	12.83	12.09	11.46	10.88	10.35	9.72	9.25	8.78
270.0	15.24	14.72	13.56	13.14	12.40	11.72	11.09	10.57	9.88
315.0	13.77	12.98	12.30	11.62	11.04	10.41	9.83	9.36	8.88
360.0	12.25	11.56	10.99	10.46	9.83	9.36	8.78	8.36	7.83
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.31	6.89	6.41	5.94	5.47	4.94	4.47	3.99	3.57
45.0	7.62	7.15	6.73	6.25	5.83	5.31	4.78	4.31	3.94
90.0	7.15	6.73	6.20	5.78	5.26	4.78	4.47	3.78	3.57
135.0	7.99	7.52	6.99	6.52	6.10	5.62	5.10	4.57	4.15
180.0	8.67	8.20	7.73	7.15	6.78	6.25	5.78	5.52	4.84
225.0	8.36	7.73	7.31	6.99	6.41	5.89	5.62	4.99	4.63
270.0	9.36	8.83	8.41	7.83	7.36	6.83	6.41	5.89	5.41
315.0	8.25	7.73	7.41	6.89	6.47	5.94	5.47	4.94	4.52
360.0	7.31	6.89	6.41	5.94	5.47	4.94	4.47	3.99	3.57
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.79	2.31	2.00	1.79	1.47	1.26	0.95	0.79
45.0	3.47	3.00	2.68	2.26	1.89	1.68	1.37	1.10	0.79
90.0	3.00	2.63	2.31	2.00	1.73	1.42	1.16	0.89	1.00
135.0	3.68	3.21	2.79	2.37	2.00	1.68	1.37	1.10	0.84
180.0	4.52	3.94	3.42	3.05	2.63	2.26	1.94	1.68	1.31
225.0	4.05	3.68	3.31	2.94	2.52	2.16	1.84	1.52	1.31
270.0	4.89	4.47	3.84	3.36	2.94	2.52	2.21	1.89	1.58
315.0	3.99	3.57	3.15	2.68	2.31	2.05	1.73	1.42	1.10
360.0	3.10	2.79	2.31	2.00	1.79	1.47	1.26	0.95	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.89
90.0	1.05
135.0	0.84
180.0	1.00
225.0	1.10
270.0	1.26
315.0	0.84
360.0	0.79