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NT

Client:

LumCAT: 2-2646-L

Luminaire: 92.70.412.00

Report No: 20231116-B010

Ballast type: AC

Test No: 20231116-C010

Voltage(V): 34.710

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4030.4

Power (W): 24.991

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3626.28, Efficiency(%): 89.97% , Luminous Efficacy(lm/W): 145.10

Central intensity(cd): 6275.853, Maximum intensity(cd): 6275.853

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=46.6

[C90/270]Total=46.6

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0_180=0.74 C90_270=0.74

Maximum s/h(1/4): C0_180=0.72 C90_270=0.72

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.945%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/16
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6275.853	0.000	0	0.00%	0.00%
1.0	6256.617	5.997	5.997	0.15%	0.17%
2.0	6218.354	17.905	23.902	0.44%	0.66%
3.0	6161.063	29.608	53.509	0.73%	1.48%
4.0	6078.379	40.969	94.479	1.02%	2.61%
5.0	5988.706	51.912	146.391	1.29%	4.04%
6.0	5879.383	62.370	208.761	1.55%	5.76%
7.0	5775.456	72.341	281.102	1.79%	7.75%
8.0	5667.517	81.895	362.997	2.03%	10.01%
9.0	5564.628	91.030	454.028	2.26%	12.52%
10.0	5452.330	99.699	553.727	2.47%	15.27%
11.0	5327.092	107.709	661.436	2.67%	18.24%
12.0	5209.120	115.176	776.611	2.86%	21.42%
13.0	5079.731	122.103	898.714	3.03%	24.78%
14.0	4940.586	128.259	1026.973	3.18%	28.32%
15.0	4798.742	133.706	1160.679	3.32%	32.01%
16.0	4637.248	138.264	1298.943	3.43%	35.82%
17.0	4462.676	141.710	1440.653	3.52%	39.73%
18.0	4275.166	144.068	1584.721	3.57%	43.70%
19.0	4091.461	145.562	1730.283	3.61%	47.72%
20.0	3877.935	145.862	1876.145	3.62%	51.74%
21.0	3671.604	144.966	2021.112	3.60%	55.74%
22.0	3449.567	143.103	2164.215	3.55%	59.68%
23.0	3203.590	139.601	2303.816	3.46%	63.53%
24.0	2961.141	134.783	2438.599	3.34%	67.25%
25.0	2703.885	128.810	2567.409	3.20%	70.80%
26.0	2450.781	121.676	2689.086	3.02%	74.16%
27.0	2174.220	113.152	2802.238	2.81%	77.28%
28.0	1919.940	103.655	2905.893	2.57%	80.13%
29.0	1590.433	91.841	2997.734	2.28%	82.67%
30.0	1315.222	78.452	3076.186	1.95%	84.83%
31.0	1156.475	68.784	3144.97	1.71%	86.73%
32.0	983.717	61.314	3206.284	1.52%	88.42%
33.0	793.286	52.351	3258.635	1.30%	89.86%
34.0	641.783	43.429	3302.065	1.08%	91.06%
35.0	516.760	35.980	3338.045	0.89%	92.05%
36.0	419.795	29.820	3367.865	0.74%	92.87%
37.0	327.679	24.378	3392.243	0.60%	93.55%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	272.284	20.026	3412.269	0.50%	94.10%
39.0	237.128	17.388	3429.657	0.43%	94.58%
40.0	186.818	14.786	3444.443	0.37%	94.99%
41.0	137.865	11.562	3456.004	0.29%	95.30%
42.0	116.236	9.232	3465.236	0.23%	95.56%
43.0	100.543	8.030	3473.266	0.20%	95.78%
44.0	89.375	7.168	3480.435	0.18%	95.98%
45.0	80.014	6.510	3486.944	0.16%	96.16%
46.0	72.949	5.982	3492.926	0.15%	96.32%
47.0	66.833	5.559	3498.486	0.14%	96.48%
48.0	62.252	5.218	3503.704	0.13%	96.62%
49.0	58.024	4.939	3508.643	0.12%	96.76%
50.0	54.316	4.684	3513.327	0.12%	96.89%
51.0	51.174	4.463	3517.79	0.11%	97.01%
52.0	48.490	4.277	3522.067	0.11%	97.13%
53.0	46.283	4.123	3526.19	0.10%	97.24%
54.0	44.006	3.980	3530.169	0.10%	97.35%
55.0	42.138	3.845	3534.014	0.10%	97.46%
56.0	40.394	3.729	3537.744	0.09%	97.56%
57.0	38.969	3.629	3541.373	0.09%	97.66%
58.0	37.606	3.541	3544.914	0.09%	97.76%
59.0	36.395	3.460	3548.373	0.09%	97.85%
60.0	35.274	3.386	3551.759	0.08%	97.95%
61.0	34.195	3.315	3555.074	0.08%	98.04%
62.0	33.247	3.250	3558.324	0.08%	98.13%
63.0	32.299	3.188	3561.512	0.08%	98.21%
64.0	31.448	3.128	3564.64	0.08%	98.30%
65.0	30.659	3.074	3567.713	0.08%	98.39%
66.0	29.905	3.022	3570.735	0.07%	98.47%
67.0	29.144	2.969	3573.704	0.07%	98.55%
68.0	28.376	2.914	3576.618	0.07%	98.63%
69.0	27.691	2.860	3579.478	0.07%	98.71%
70.0	26.936	2.806	3582.284	0.07%	98.79%
71.0	26.251	2.749	3585.033	0.07%	98.86%
72.0	25.573	2.695	3587.728	0.07%	98.94%
73.0	24.868	2.638	3590.365	0.07%	99.01%
74.0	24.196	2.579	3592.945	0.06%	99.08%
75.0	23.532	2.522	3595.467	0.06%	99.15%

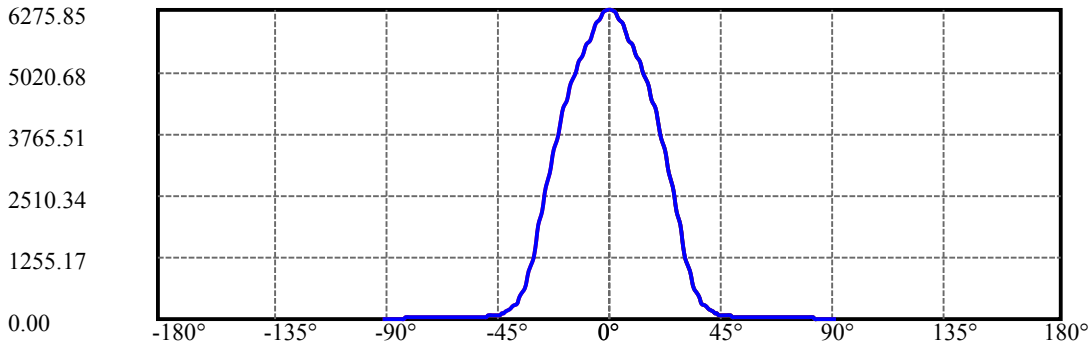
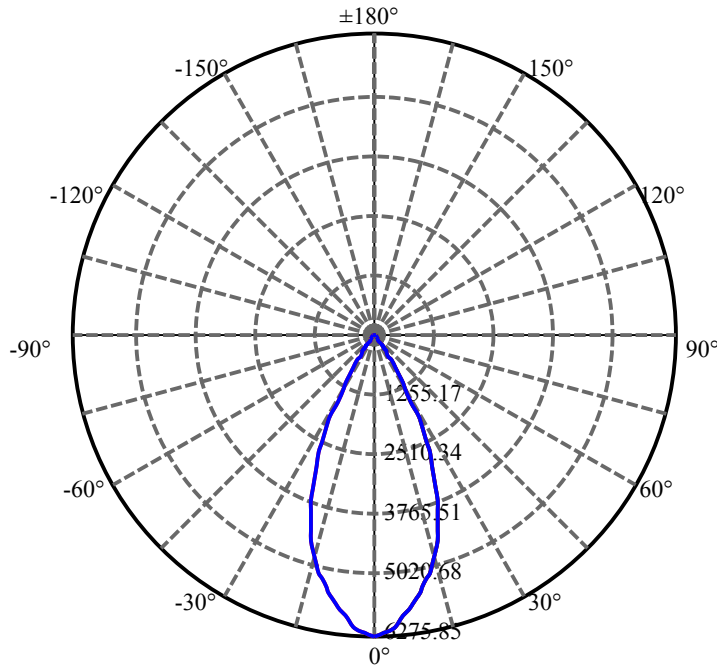
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.833	2.461	3597.928	0.06%	99.22%
77.0	22.169	2.399	3600.327	0.06%	99.28%
78.0	21.526	2.339	3602.666	0.06%	99.35%
79.0	20.848	2.277	3604.943	0.06%	99.41%
80.0	20.176	2.212	3607.155	0.05%	99.47%
81.0	19.616	2.152	3609.306	0.05%	99.53%
82.0	18.979	2.093	3611.399	0.05%	99.59%
83.0	18.398	2.032	3613.431	0.05%	99.65%
84.0	17.858	1.975	3615.406	0.05%	99.70%
85.0	17.353	1.922	3617.328	0.05%	99.75%
86.0	16.904	1.873	3619.201	0.05%	99.80%
87.0	16.488	1.827	3621.028	0.05%	99.86%
88.0	16.087	1.784	3622.813	0.04%	99.90%
89.0	15.762	1.746	3624.558	0.04%	99.95%
90.0	15.596	1.719	3626.278	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3076.19	76.32%	84.83%
0-40	3444.44	85.46%	94.99%
0-60	3551.76	88.12%	97.95%
0-90	3624.56	89.93%	99.95%
0-120	3624.56	89.93%	99.95%
0-180	3626.28	89.97%	100.00%
60-90	72.80	1.81%	2.01%
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%
0-27.95	2901.02	71.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	553.73
10-20	1322.42
20-30	1200.04
30-40	368.26
40-50	68.88
50-60	38.43
60-70	30.52
70-80	24.87
80-90	17.40
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: —————

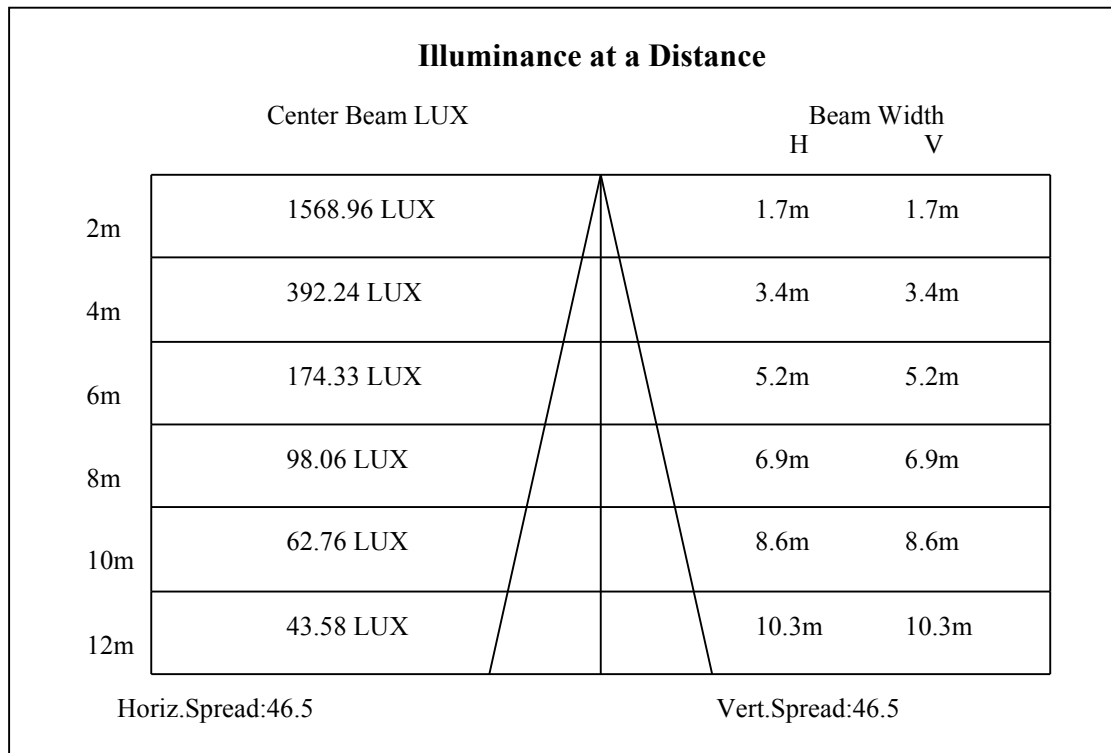
C90/C270: —————

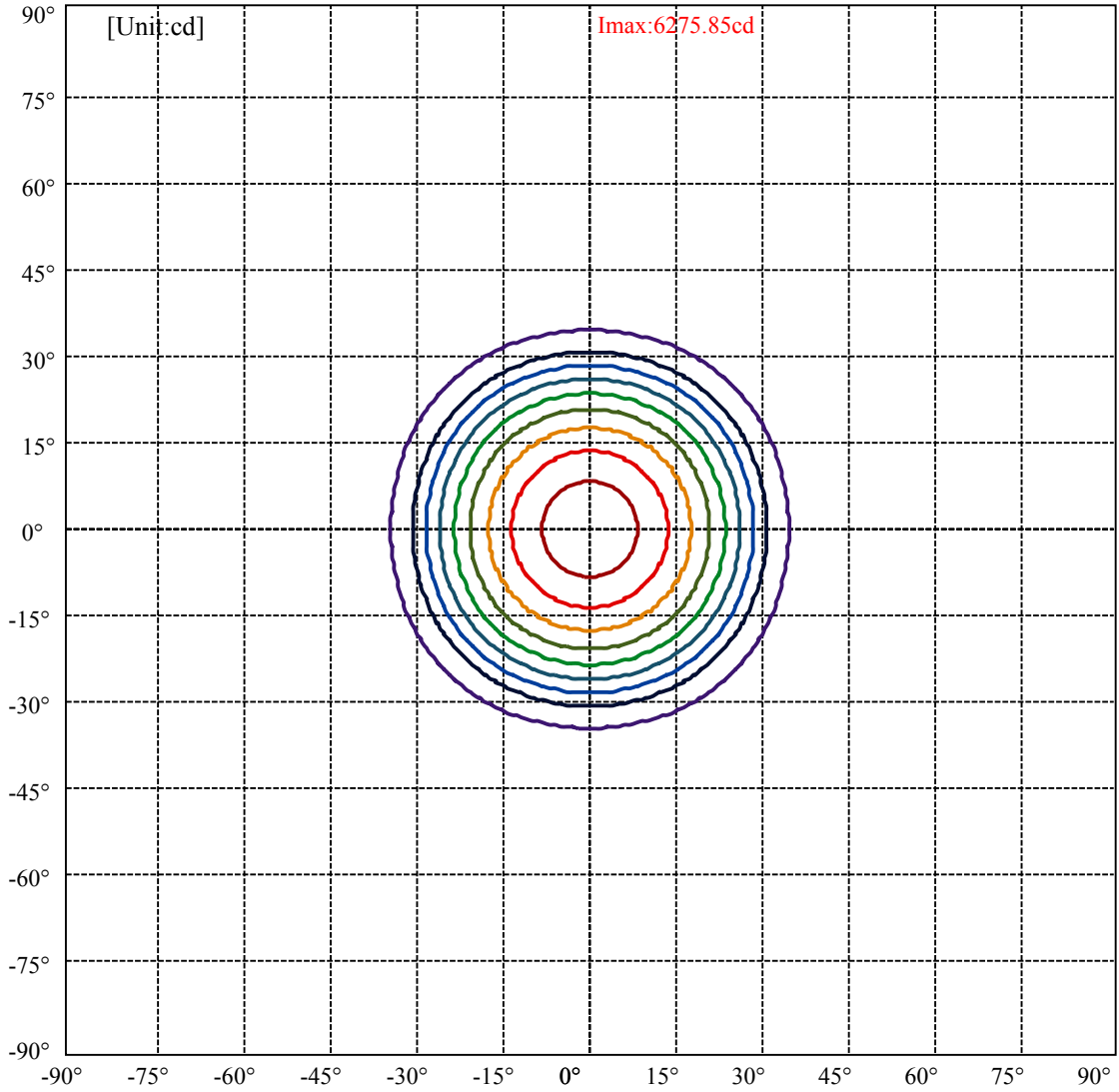
Field angle(10%Imax):C0/180Left:34.1 Right:34.1

:C90/270Left:34.1 Right:34.1

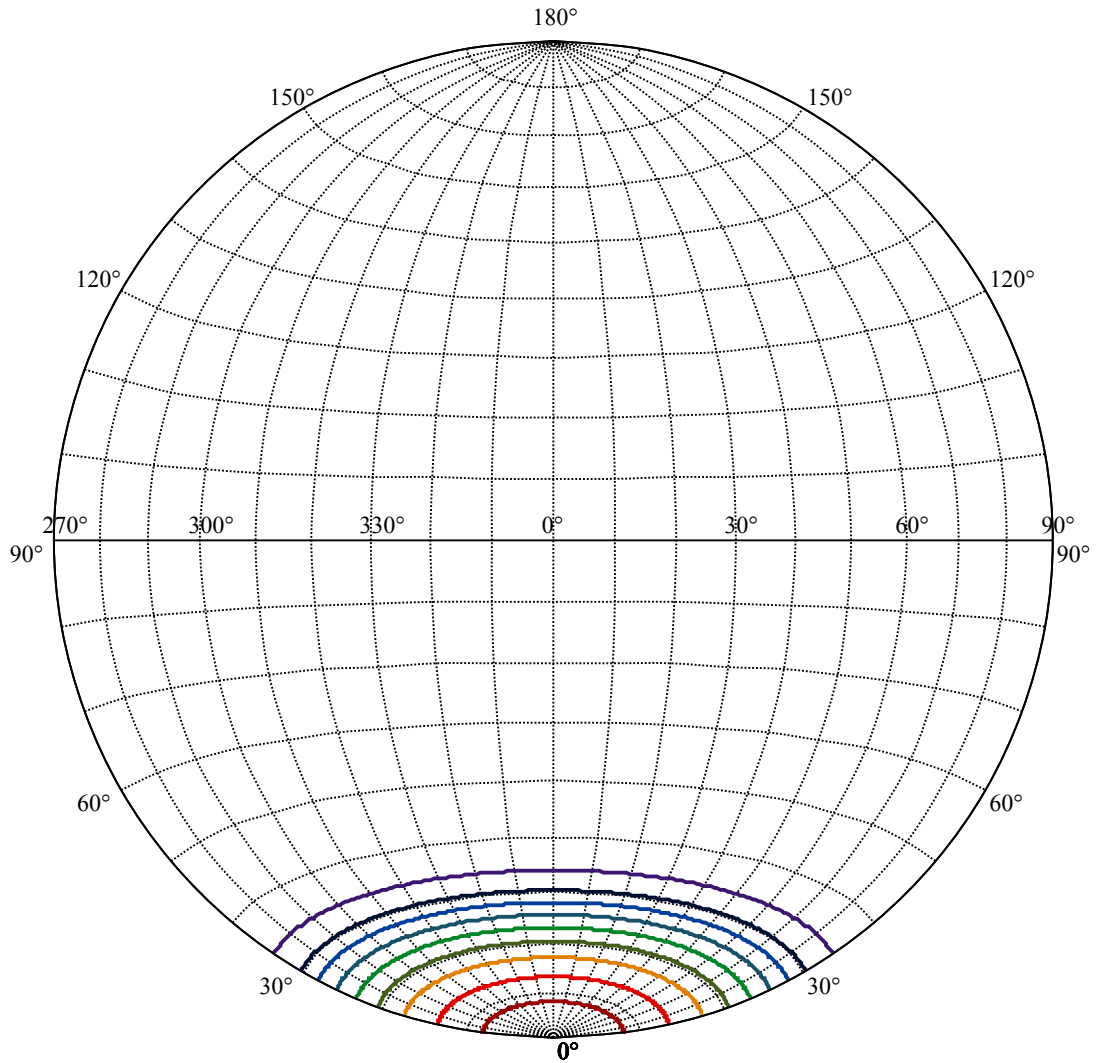
Beam Angle(50%Imax):C0/180Left:23.3 Right:23.3

:C90/270Left:23.3 Right:23.3





(10%Imax) 627.585	—
(20%Imax) 1255.17	—
(30%Imax) 1882.76	—
(40%Imax) 2510.34	—
(50%Imax) 3137.93	—
(60%Imax) 3765.51	—
(70%Imax) 4393.1	—
(80%Imax) 5020.68	—
(90%Imax) 5648.27	—



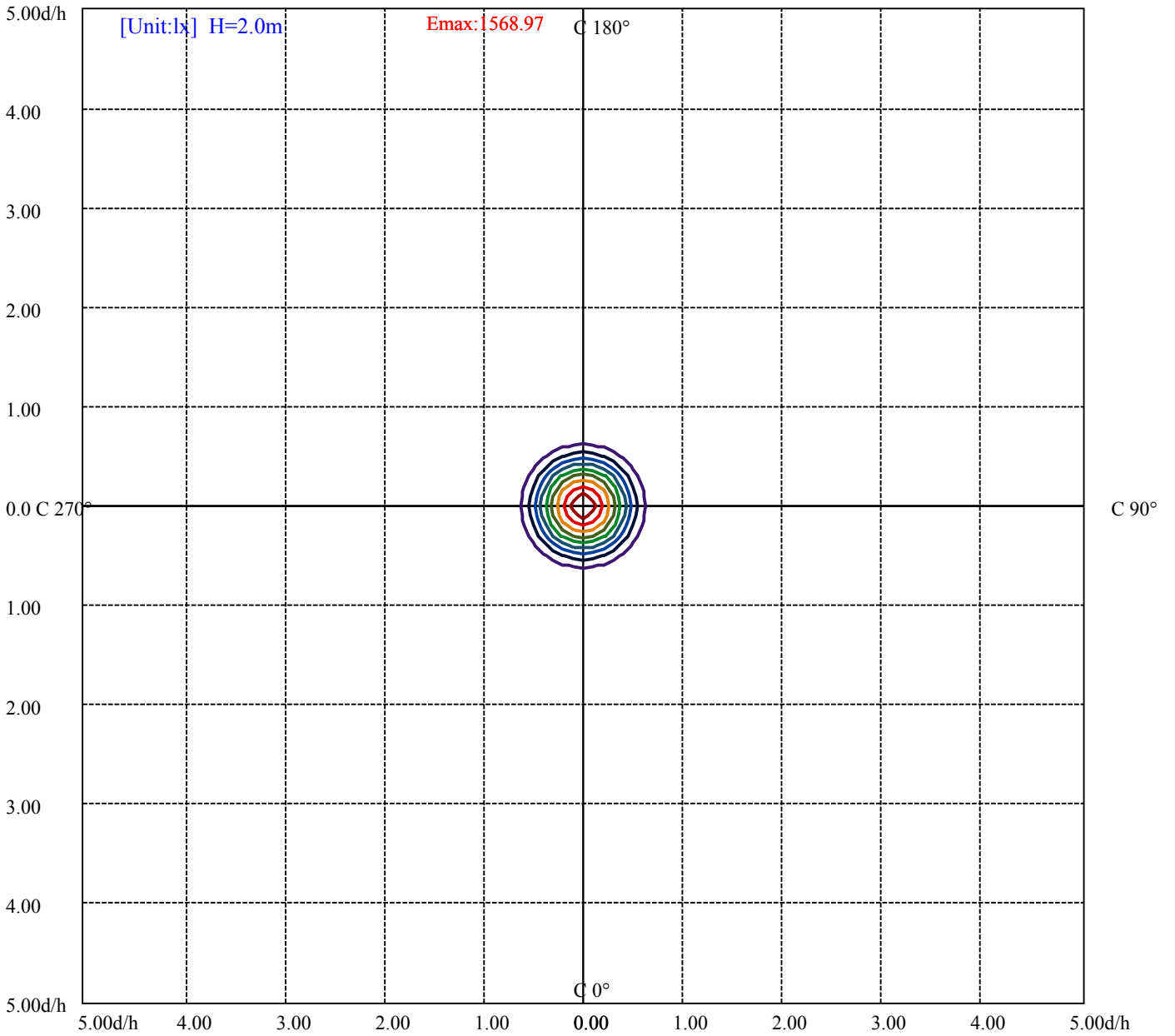
House

[Unit:cd]

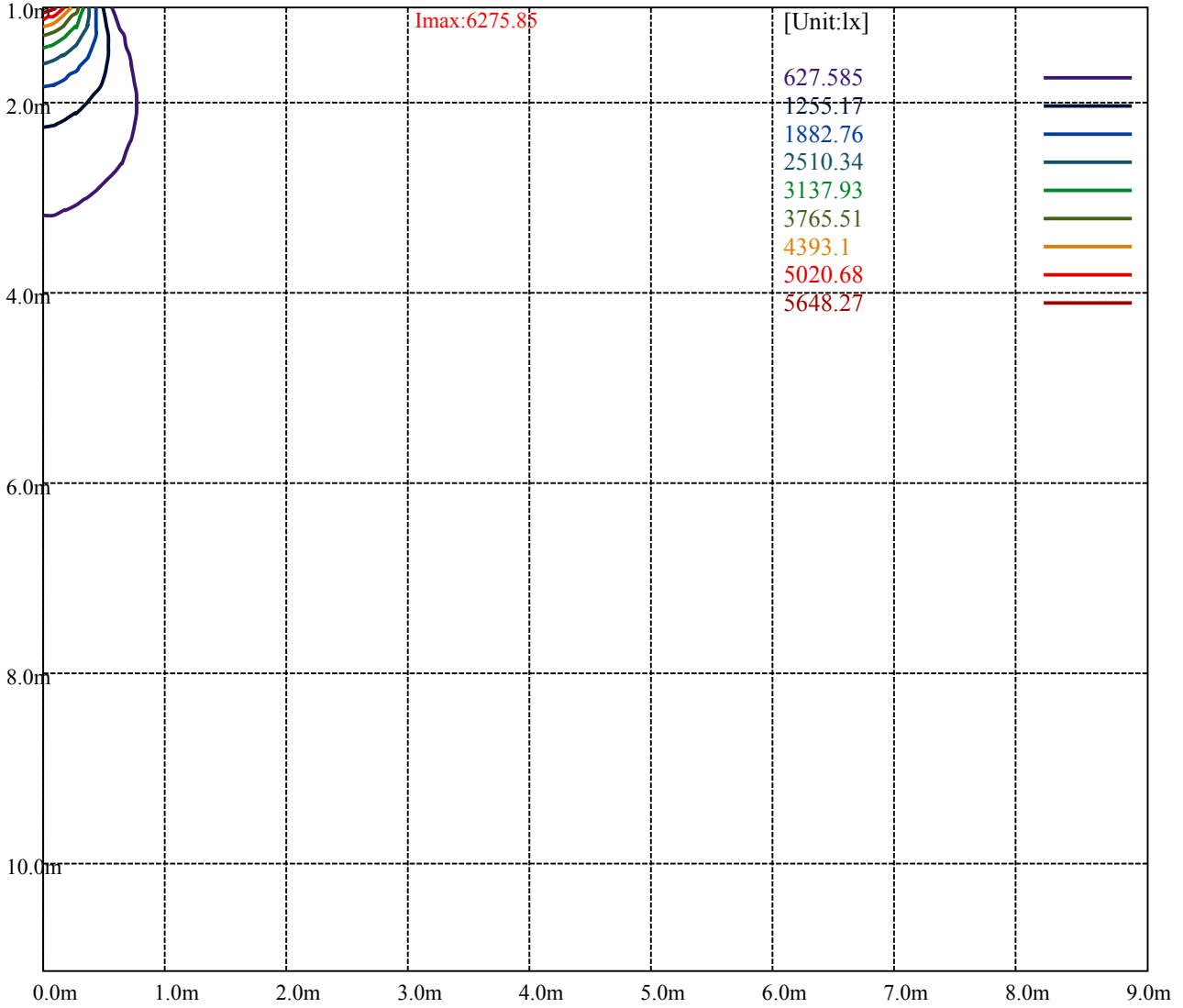
Road

I_{max}:6275.85

(10%I _{max})	627.585	—
(20%I _{max})	1255.17	—
(30%I _{max})	1882.76	—
(40%I _{max})	2510.34	—
(50%I _{max})	3137.93	—
(60%I _{max})	3765.51	—
(70%I _{max})	4393.1	—
(80%I _{max})	5020.68	—
(90%I _{max})	5648.27	—



(10%Emax) 156.8963	—
(20%Emax) 313.7925	—
(30%Emax) 470.69	—
(40%Emax) 627.585	—
(50%Emax) 784.4825	—
(60%Emax) 941.3775	—
(70%Emax) 1098.275	—
(80%Emax) 1255.17	—
(90%Emax) 1412.068	—



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

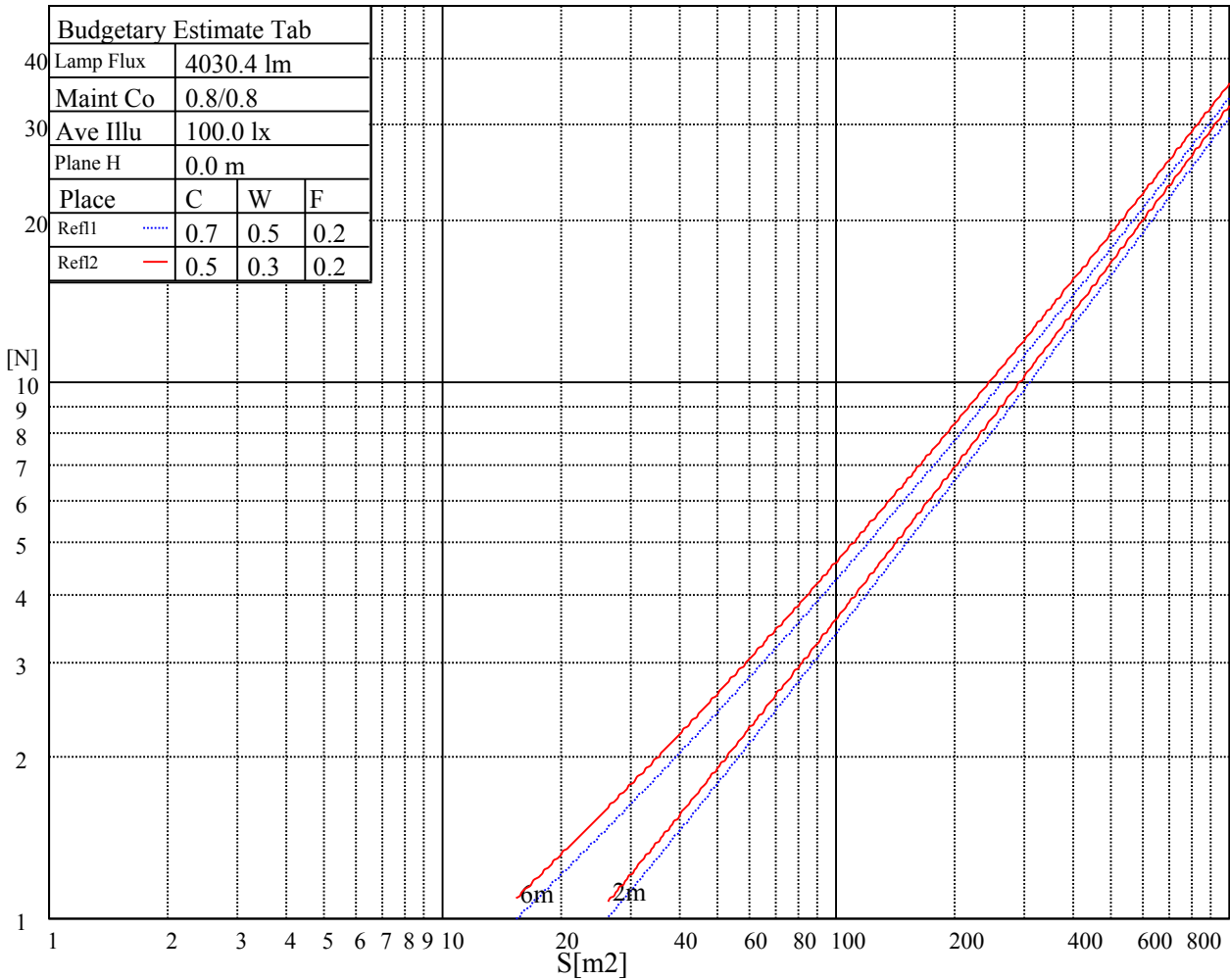
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

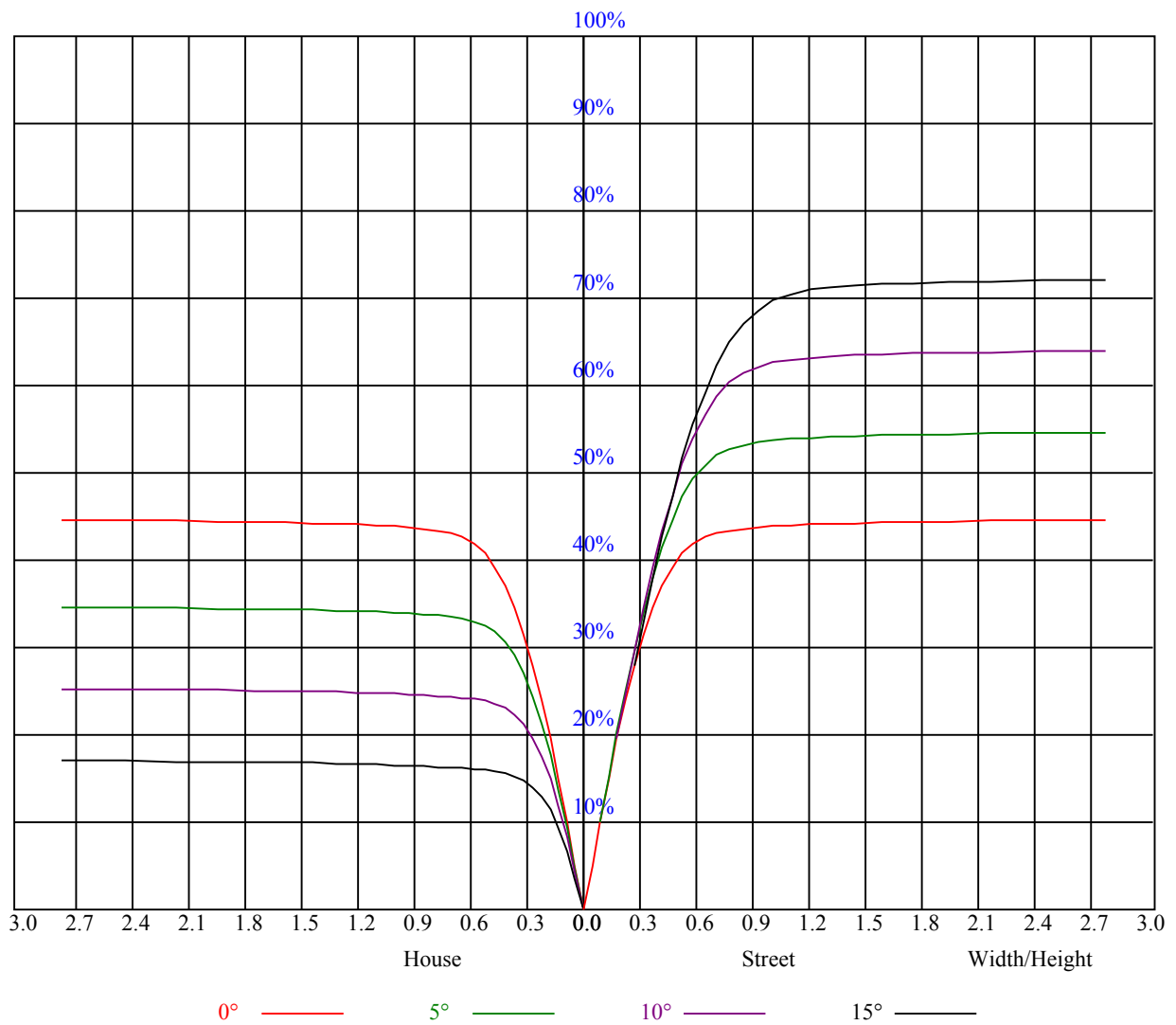


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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 RHOF=20 CU															
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.84
2	0.94	0.90	0.87	0.92	0.89	0.86	0.89	0.87	0.84	0.87	0.84	0.83	0.84	0.82	0.81	0.79
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.81	0.79	0.82	0.80	0.77	0.80	0.78	0.76	0.75
4	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
5	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.60
8	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.57
9	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.55
10	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52



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	6249.42	6202.37	6140.37	6054.58	5958.82	5828.73	5733.53	5639.42	5518.20
45.0	6297.03	6260.49	6213.44	6150.89	6061.22	5958.26	5851.43	5731.31	5642.75
90.0	6257.17	6194.62	6153.66	6065.09	5956.05	5854.75	5731.31	5639.98	5546.43
135.0	6299.79	6263.81	6211.23	6175.80	6073.95	5988.71	5859.18	5753.45	5665.44
180.0	6249.42	6295.92	6289.83	6243.89	6195.73	6146.46	6050.70	5940.55	5825.41
225.0	6297.03	6283.19	6236.14	6192.41	6113.81	6034.65	5920.62	5808.25	5713.05
270.0	6257.17	6297.03	6271.56	6225.62	6184.66	6105.50	6013.62	5924.50	5782.79
315.0	6299.79	6255.51	6230.60	6180.23	6082.81	5992.58	5874.68	5766.18	5646.07
360.0	6249.42	6202.37	6140.37	6054.58	5958.82	5828.73	5733.53	5639.42	5518.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5416.35	5311.18	5167.81	5048.80	4889.94	4750.45	4610.95	4450.98	4281.60
45.0	5544.77	5438.49	5304.54	5194.94	5081.46	4958.02	4823.51	4650.26	4507.44
90.0	5444.58	5302.32	5196.04	5078.14	4944.74	4769.82	4611.51	4441.02	4217.39
135.0	5550.86	5446.79	5338.85	5200.47	5087.00	4965.77	4830.71	4638.08	4450.98
180.0	5707.51	5609.53	5495.51	5375.94	5235.34	5114.12	4986.25	4857.28	4682.91
225.0	5614.52	5471.70	5348.26	5228.15	5078.69	4956.91	4782.00	4633.10	4485.86
270.0	5680.94	5588.50	5452.88	5337.75	5222.06	5064.30	4938.09	4775.36	4629.22
315.0	5557.50	5450.12	5312.84	5208.77	5098.62	4945.29	4806.91	4651.92	4446.00
360.0	5416.35	5311.18	5167.81	5048.80	4889.94	4750.45	4610.95	4450.98	4281.60
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4048.56	3853.72	3647.25	3435.80	3153.49	2917.69	2679.11	2380.76	2132.22
45.0	4299.87	4118.31	3931.21	3679.35	3470.67	3248.70	2954.22	2713.43	2468.77
90.0	4023.65	3822.72	3561.45	3342.25	3112.53	2812.52	2572.84	2334.26	2029.82
135.0	4266.10	4075.69	3826.04	3615.70	3407.57	3141.87	2916.03	2619.33	2379.10
180.0	4527.37	4361.86	4157.61	3979.92	3781.20	3524.36	3317.89	3089.84	2798.68
225.0	4294.89	4121.08	3941.73	3755.19	3564.22	3299.07	3073.23	2836.87	2600.51
270.0	4472.02	4303.74	4087.31	3907.41	3715.33	3509.97	3233.76	3013.45	2790.93
315.0	4268.87	4074.58	3870.88	3657.21	3391.52	3174.53	2942.04	2643.13	2406.22
360.0	4048.56	3853.72	3647.25	3435.80	3153.49	2917.69	2679.11	2380.76	2132.22
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1812.28	1563.74	1068.93	1068.93	888.31	733.82	601.97	464.25	373.97
45.0	2215.80	1892.54	1636.81	1394.36	1172.94	932.15	769.97	630.48	486.56
90.0	1780.73	1543.81	1063.73	1063.73	887.71	733.05	600.53	466.08	377.29
135.0	2132.22	1888.66	1600.83	1382.18	1177.92	991.94	789.34	653.17	534.72
180.0	2561.76	2318.21	2001.59	1745.85	1496.21	1259.85	999.69	823.66	674.21
225.0	2289.42	2036.46	1714.85	1075.80	1075.80	1025.65	802.74	656.27	508.42
270.0	2495.89	2248.46	2003.80	1698.80	1460.78	1240.47	993.60	824.22	677.53
315.0	2105.65	1867.63	1632.93	1092.13	1092.13	952.80	788.46	616.14	501.39
360.0	1812.28	1563.74	1068.93	1068.93	888.31	733.82	601.97	464.25	373.97
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	301.12	243.17	187.93	155.38	130.41	112.20	95.60	85.85	76.39
45.0	393.01	300.57	283.96	283.96	158.92	128.92	111.92	99.25	89.45
90.0	305.00	234.26	190.03	156.48	125.60	108.33	95.43	83.42	75.89
135.0	432.87	327.14	291.16	291.16	153.94	127.87	109.10	92.50	83.09
180.0	551.32	424.56	343.75	293.37	293.37	172.32	137.66	117.35	101.91
225.0	413.44	335.17	271.29	221.53	174.81	147.41	126.76	107.33	95.71
270.0	555.75	428.99	346.51	294.48	294.48	170.71	142.20	121.00	105.34
315.0	405.85	327.58	263.65	200.66	163.02	135.17	111.21	97.64	87.24
360.0	301.12	243.17	187.93	155.38	130.41	112.20	95.60	85.85	76.39

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	70.35	65.21	59.78	56.24	53.14	50.37	47.44	45.28	43.45
45.0	79.93	73.51	67.97	63.38	58.45	55.24	52.36	49.15	46.94
90.0	69.80	64.65	59.28	55.85	52.75	50.10	47.16	45.22	43.45
135.0	74.12	68.20	63.27	59.01	55.41	51.48	48.82	46.55	44.56
180.0	90.84	80.43	73.73	68.20	63.49	58.56	55.19	52.20	49.54
225.0	86.91	78.27	72.46	67.31	61.61	57.73	54.41	50.87	48.43
270.0	91.00	82.48	73.90	68.20	63.32	58.18	54.74	51.81	49.15
315.0	77.16	70.85	64.27	59.84	56.02	52.86	49.26	46.83	44.73
360.0	70.35	65.21	59.78	56.24	53.14	50.37	47.44	45.28	43.45
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.68	39.74	38.42	37.14	35.70	34.71	33.77	32.71	31.83
45.0	44.50	42.73	41.13	39.36	38.08	36.87	35.81	34.54	33.65
90.0	41.40	39.97	38.36	37.14	36.09	35.09	33.88	33.05	32.27
135.0	42.35	40.74	39.02	37.81	36.70	35.43	34.54	33.65	32.66
180.0	46.72	44.67	42.40	40.85	39.41	37.81	36.64	35.59	34.37
225.0	46.28	44.23	42.01	40.52	39.08	37.86	36.37	35.32	34.32
270.0	46.28	44.28	42.51	40.91	39.13	37.86	36.64	35.32	34.37
315.0	42.84	40.74	39.30	38.03	36.64	35.54	34.54	33.38	32.49
360.0	41.68	39.74	38.42	37.14	35.70	34.71	33.77	32.71	31.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.89	30.22	29.50	28.84	28.17	27.34	26.68	26.02	25.35
45.0	32.71	31.88	31.11	30.22	29.50	28.56	27.84	27.12	26.29
90.0	31.50	30.56	29.84	29.17	28.34	27.62	26.96	26.18	25.52
135.0	31.83	31.11	30.39	29.72	28.89	28.23	27.57	26.79	26.13
180.0	33.43	32.55	31.72	30.94	30.00	29.28	28.62	27.73	27.07
225.0	33.10	32.27	31.22	30.44	29.67	28.95	28.06	27.34	26.63
270.0	33.43	32.27	31.50	30.56	29.89	29.12	28.51	27.62	27.01
315.0	31.50	30.72	30.00	29.34	28.67	27.90	27.29	26.68	26.02
360.0	30.89	30.22	29.50	28.84	28.17	27.34	26.68	26.02	25.35
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.63	24.02	23.30	22.69	22.09	21.37	20.76	20.20	19.48
45.0	25.63	25.02	24.19	23.64	22.92	22.31	21.53	20.92	20.31
90.0	24.91	24.08	23.53	22.86	22.09	21.48	20.87	20.26	19.54
135.0	25.41	24.69	24.08	23.36	22.69	22.09	21.48	20.70	20.09
180.0	26.40	25.63	24.96	24.19	23.53	22.92	22.31	21.42	20.81
225.0	25.96	25.13	24.52	23.86	22.97	22.36	21.75	20.92	20.31
270.0	26.35	25.74	24.91	24.36	23.69	22.86	22.20	21.59	20.81
315.0	25.30	24.63	24.08	23.30	22.69	21.98	21.31	20.76	20.04
360.0	24.63	24.02	23.30	22.69	22.09	21.37	20.76	20.20	19.48
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.99	18.38	17.99	17.33	16.88	16.50	16.11	15.67	15.61
45.0	19.71	18.99	18.32	17.82	17.27	16.77	16.38	16.00	15.61
90.0	18.93	18.32	17.77	17.38	16.88	16.50	16.05	15.67	15.50
135.0	19.54	18.88	18.27	17.77	17.21	16.83	16.50	16.11	15.61
180.0	20.26	19.54	18.93	18.32	17.82	17.38	16.94	16.44	16.11
225.0	19.71	19.10	18.49	17.93	17.38	17.05	16.50	16.11	15.72
270.0	20.26	19.71	18.93	18.43	17.88	17.38	16.88	16.55	16.16
315.0	19.54	18.93	18.49	17.88	17.49	16.83	16.55	16.16	15.78
360.0	18.99	18.38	17.99	17.33	16.88	16.50	16.11	15.67	15.61

Intensity data(cd)

C/γ(°)	90.0
0.0	15.61
45.0	15.55
90.0	15.55
135.0	15.61
180.0	15.61
225.0	15.61
270.0	15.61
315.0	15.61
360.0	15.61