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NT

Client:

LumCAT: 2-2643-L

Luminaire: 92.70.411.00

Report No: 20231027-B013

Ballast type: AC

Test No: 20231027-C013

Voltage(V): 34.620

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.600

Lamp flux(lm): 3391.2

Power (W): 20.772

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3187.43, Efficiency(%): 93.99% , Luminous Efficacy(lm/W): 153.45

Central intensity(cd): 15842.200, Maximum intensity(cd): 15842.200

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.8

[C90/270]Total=18.8

Field angle(10%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

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 : 98.004%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/27
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	15842.200	0.000	0	0.00%	0.00%
1.0	15706.584	15.095	15.095	0.45%	0.47%
2.0	15310.806	44.519	59.615	1.31%	1.87%
3.0	14698.457	71.772	131.387	2.12%	4.12%
4.0	13589.586	94.689	226.076	2.79%	7.09%
5.0	12509.568	112.277	338.353	3.31%	10.62%
6.0	11576.721	126.580	464.933	3.73%	14.59%
7.0	10651.970	137.973	602.906	4.07%	18.92%
8.0	9539.017	144.503	747.409	4.26%	23.45%
9.0	8365.590	145.107	892.516	4.28%	28.00%
10.0	7339.957	142.129	1034.646	4.19%	32.46%
11.0	6403.097	137.321	1171.967	4.05%	36.77%
12.0	5556.740	130.738	1302.705	3.86%	40.87%
13.0	4885.509	123.923	1426.628	3.65%	44.76%
14.0	4309.070	117.690	1544.318	3.47%	48.45%
15.0	3870.739	112.296	1656.614	3.31%	51.97%
16.0	3452.681	107.309	1763.923	3.16%	55.34%
17.0	3144.915	102.742	1866.665	3.03%	58.56%
18.0	2850.226	98.847	1965.512	2.91%	61.66%
19.0	2644.587	95.599	2061.11	2.82%	64.66%
20.0	2455.071	93.338	2154.448	2.75%	67.59%
21.0	2184.322	89.086	2243.534	2.63%	70.39%
22.0	1945.471	82.990	2326.524	2.45%	72.99%
23.0	1777.266	78.113	2404.637	2.30%	75.44%
24.0	1614.249	74.151	2478.788	2.19%	77.77%
25.0	1409.683	68.758	2547.545	2.03%	79.92%
26.0	1250.009	62.782	2610.328	1.85%	81.89%
27.0	1149.833	58.713	2669.04	1.73%	83.74%
28.0	1037.714	55.384	2724.424	1.63%	85.47%
29.0	896.050	50.593	2775.017	1.49%	87.06%
30.0	778.535	45.213	2820.231	1.33%	88.48%
31.0	667.807	40.250	2860.48	1.19%	89.74%
32.0	566.551	35.363	2895.843	1.04%	90.85%
33.0	470.775	30.560	2926.403	0.90%	91.81%
34.0	396.007	26.231	2952.635	0.77%	92.63%
35.0	320.622	22.256	2974.89	0.66%	93.33%
36.0	269.018	18.774	2993.665	0.55%	93.92%
37.0	238.761	16.561	3010.226	0.49%	94.44%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	192.983	14.411	3024.637	0.42%	94.89%
39.0	141.242	11.408	3036.045	0.34%	95.25%
40.0	116.817	9.000	3045.045	0.27%	95.53%
41.0	98.619	7.672	3052.716	0.23%	95.77%
42.0	83.252	6.608	3059.324	0.19%	95.98%
43.0	72.333	5.763	3065.087	0.17%	96.16%
44.0	64.397	5.161	3070.248	0.15%	96.32%
45.0	57.955	4.702	3074.95	0.14%	96.47%
46.0	52.697	4.327	3079.277	0.13%	96.61%
47.0	48.594	4.029	3083.306	0.12%	96.73%
48.0	45.189	3.791	3087.097	0.11%	96.85%
49.0	42.269	3.592	3090.689	0.11%	96.97%
50.0	39.723	3.419	3094.107	0.10%	97.07%
51.0	37.682	3.275	3097.382	0.10%	97.18%
52.0	35.841	3.155	3100.537	0.09%	97.27%
53.0	34.388	3.055	3103.592	0.09%	97.37%
54.0	33.212	2.980	3106.572	0.09%	97.46%
55.0	32.209	2.920	3109.492	0.09%	97.55%
56.0	31.482	2.878	3112.37	0.08%	97.65%
57.0	30.963	2.855	3115.225	0.08%	97.73%
58.0	30.583	2.846	3118.071	0.08%	97.82%
59.0	30.431	2.852	3120.924	0.08%	97.91%
60.0	30.334	2.871	3123.794	0.08%	98.00%
61.0	30.209	2.889	3126.684	0.09%	98.09%
62.0	29.967	2.900	3129.583	0.09%	98.19%
63.0	29.559	2.895	3132.478	0.09%	98.28%
64.0	28.874	2.867	3135.346	0.08%	98.37%
65.0	27.954	2.812	3138.158	0.08%	98.45%
66.0	26.722	2.728	3140.886	0.08%	98.54%
67.0	25.629	2.632	3143.518	0.08%	98.62%
68.0	24.459	2.537	3146.056	0.07%	98.70%
69.0	23.297	2.436	3148.492	0.07%	98.78%
70.0	22.370	2.345	3150.837	0.07%	98.85%
71.0	21.567	2.271	3153.108	0.07%	98.92%
72.0	20.813	2.204	3155.312	0.06%	98.99%
73.0	20.218	2.146	3157.457	0.06%	99.06%
74.0	19.706	2.099	3159.556	0.06%	99.13%
75.0	19.173	2.054	3161.61	0.06%	99.19%

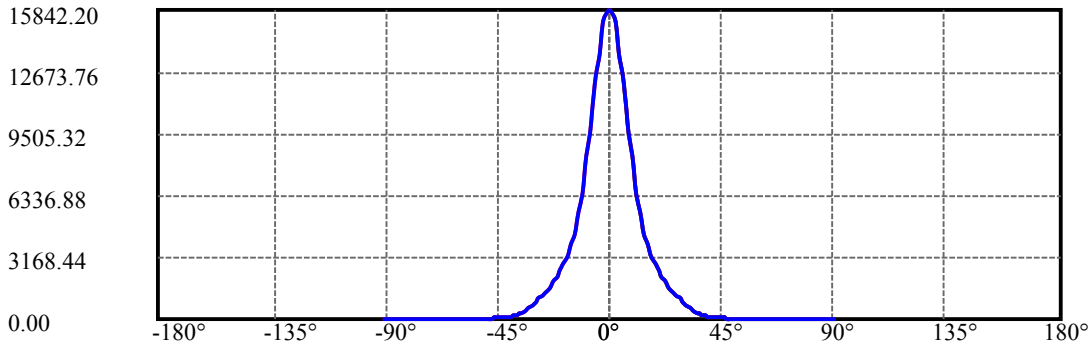
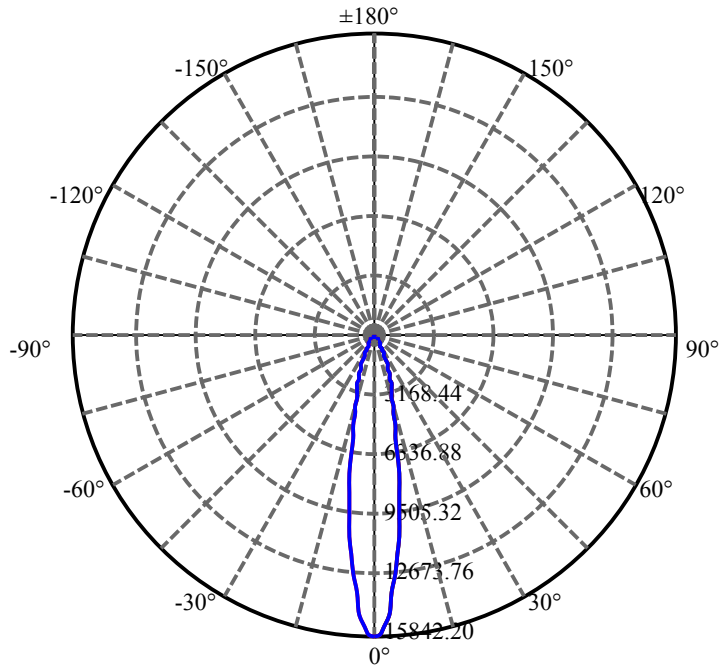
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.668	2.009	3163.619	0.06%	99.25%
77.0	18.191	1.965	3165.584	0.06%	99.31%
78.0	17.720	1.922	3167.507	0.06%	99.38%
79.0	17.229	1.878	3169.384	0.06%	99.43%
80.0	16.800	1.835	3171.219	0.05%	99.49%
81.0	16.343	1.792	3173.011	0.05%	99.55%
82.0	15.907	1.749	3174.76	0.05%	99.60%
83.0	15.499	1.707	3176.467	0.05%	99.66%
84.0	15.112	1.668	3178.135	0.05%	99.71%
85.0	14.772	1.631	3179.766	0.05%	99.76%
86.0	14.420	1.596	3181.362	0.05%	99.81%
87.0	14.101	1.561	3182.923	0.05%	99.86%
88.0	13.804	1.529	3184.451	0.05%	99.91%
89.0	13.527	1.498	3185.949	0.04%	99.95%
90.0	13.389	1.476	3187.425	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2820.23	83.16%	88.48%
0-40	3045.04	89.79%	95.53%
0-60	3123.79	92.11%	98.00%
0-90	3185.95	93.95%	99.95%
0-120	3185.95	93.95%	99.95%
0-180	3187.43	93.99%	100.00%
60-90	62.15	1.83%	1.95%
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%
0-25.04	2549.94	75.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	1034.65
10-20	1119.80
20-30	665.78
30-40	224.81
40-50	49.06
50-60	29.69
60-70	27.04
70-80	20.38
80-90	14.73
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



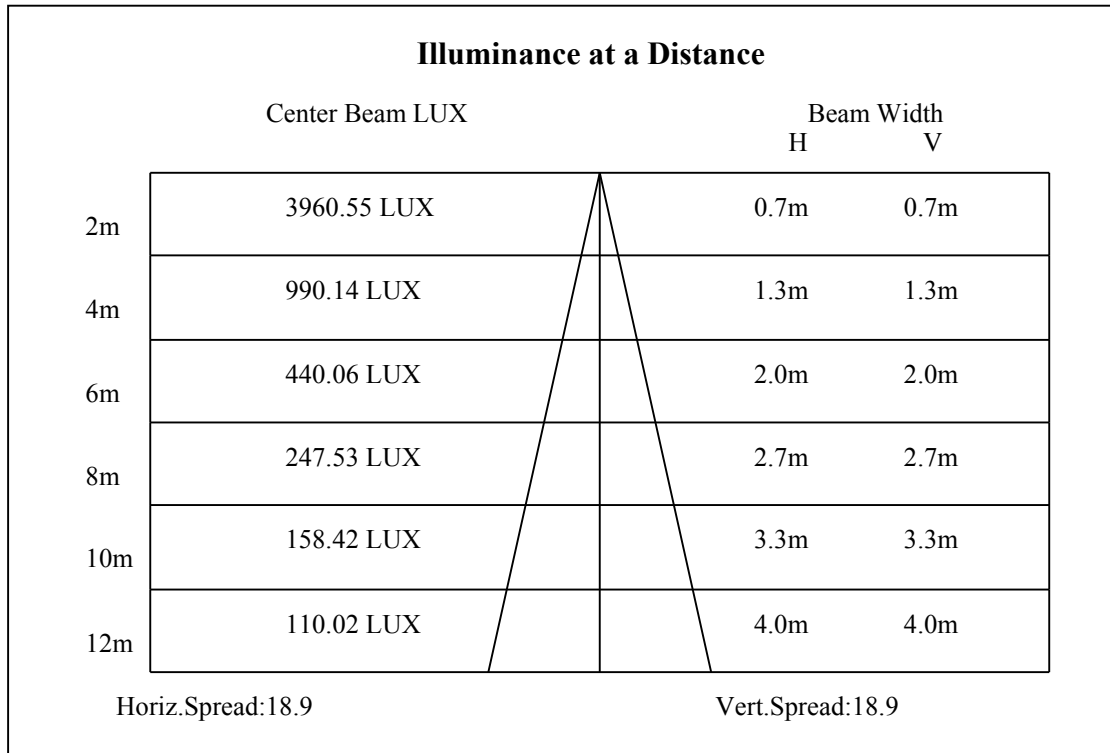
C0(Max): —————

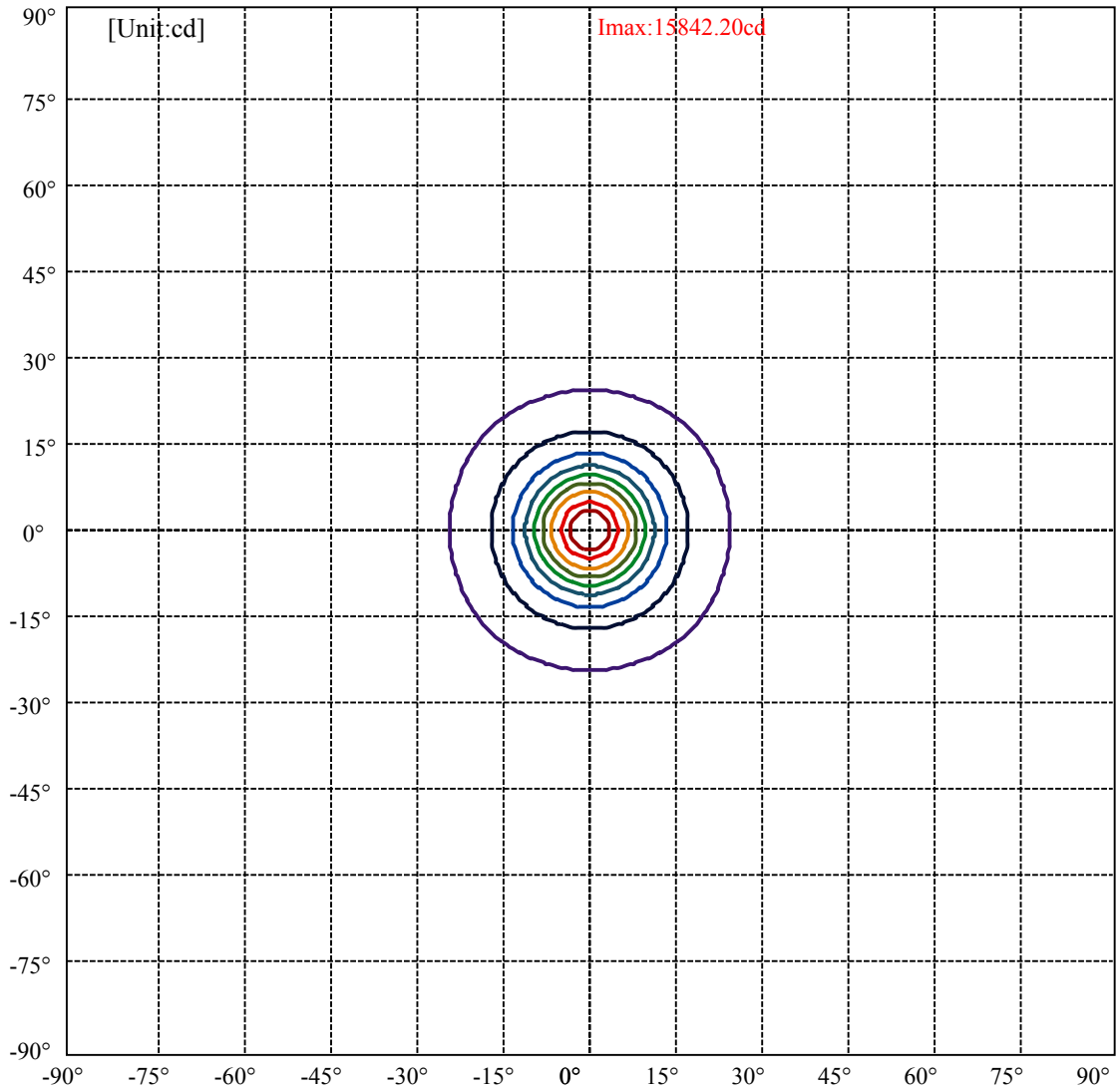
C0/C180: —————

C90/C270: —————

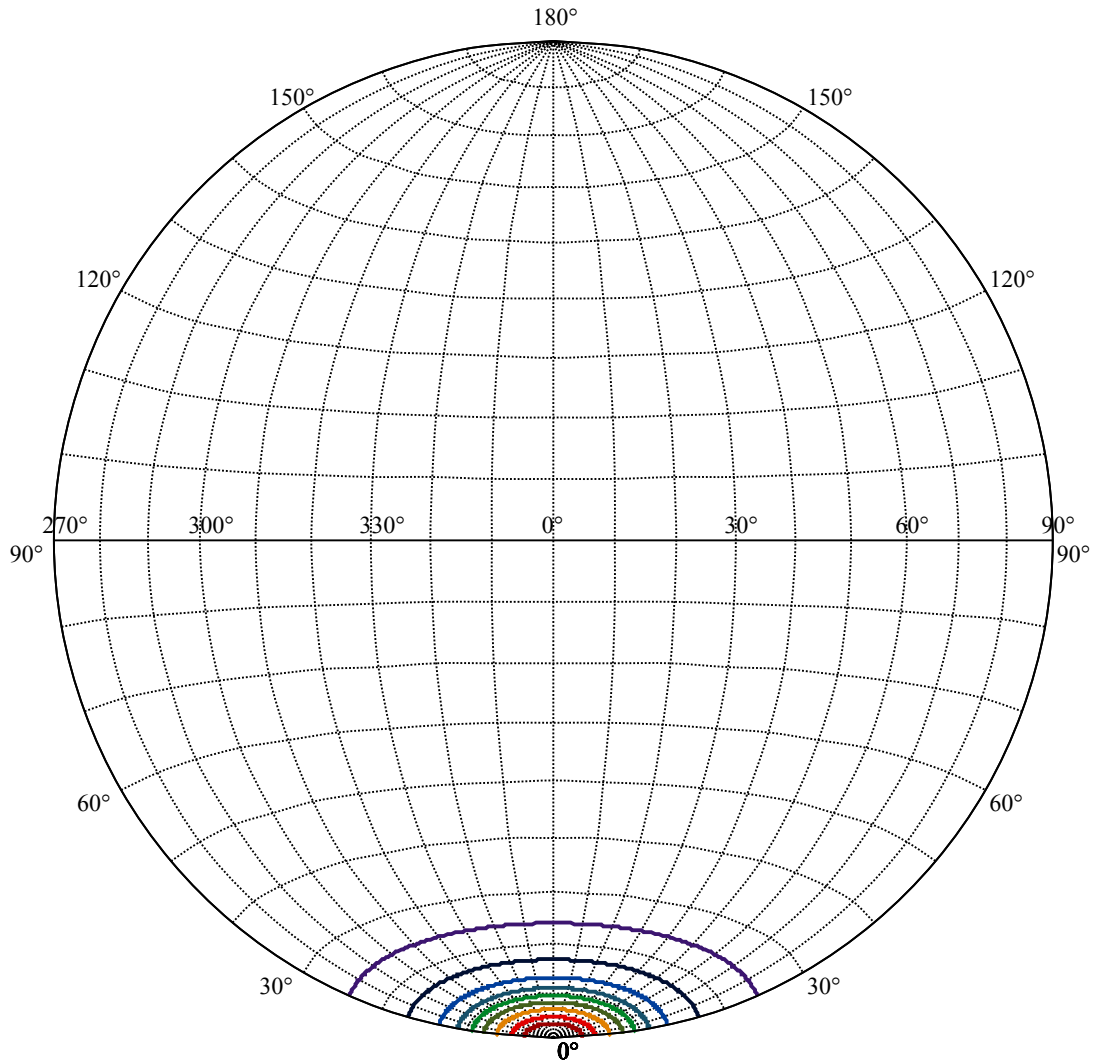
Field angle(10%Imax):C0/180Left:24.1 Right:24.1
:C90/270Left:24.1 Right:24.1

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4





(10%Imax) 1584.22	—
(20%Imax) 3168.44	—
(30%Imax) 4752.66	—
(40%Imax) 6336.88	—
(50%Imax) 7921.1	—
(60%Imax) 9505.32	—
(70%Imax) 11089.5	—
(80%Imax) 12673.8	—
(90%Imax) 14258	—



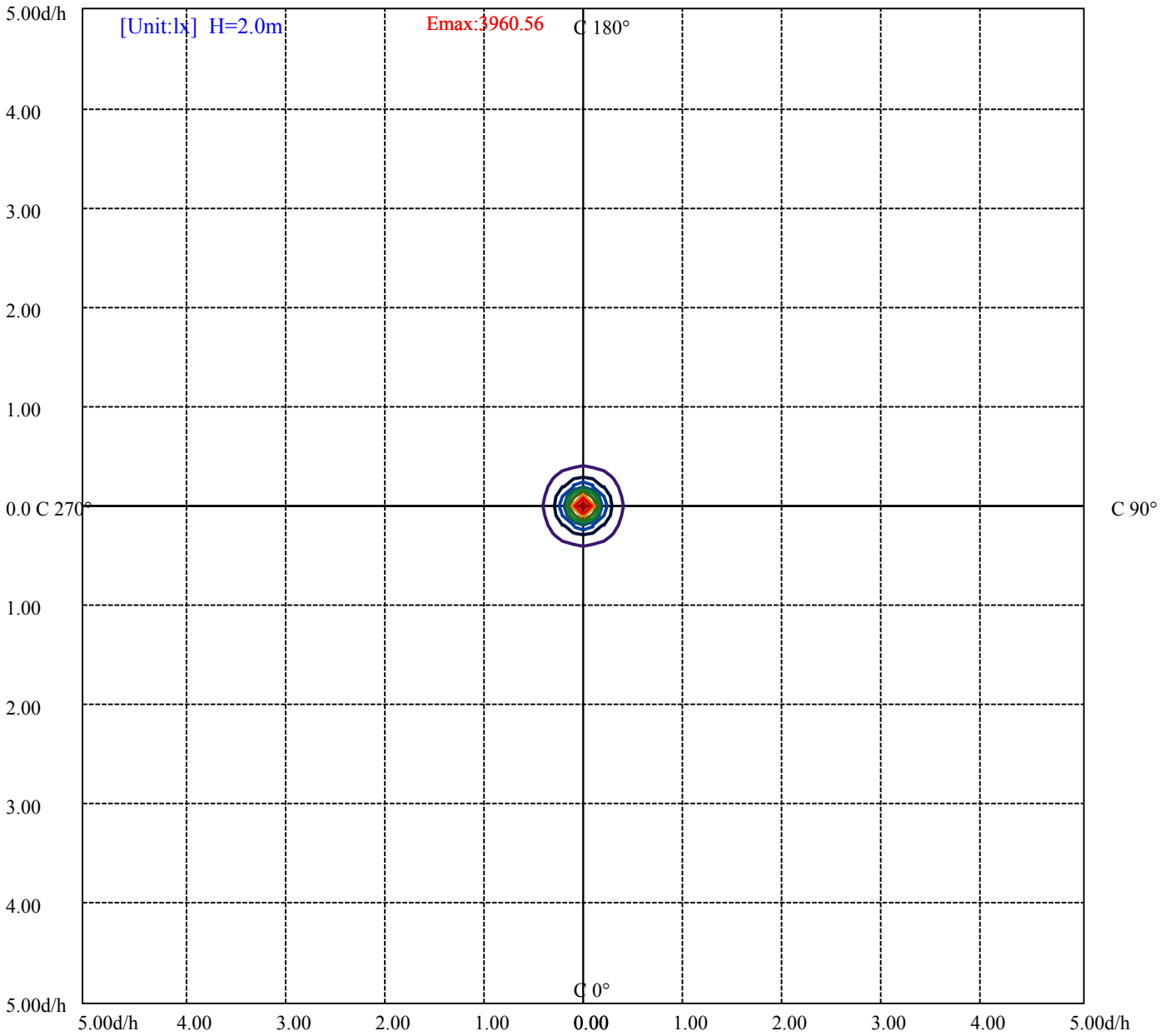
House

[Unit:cd]

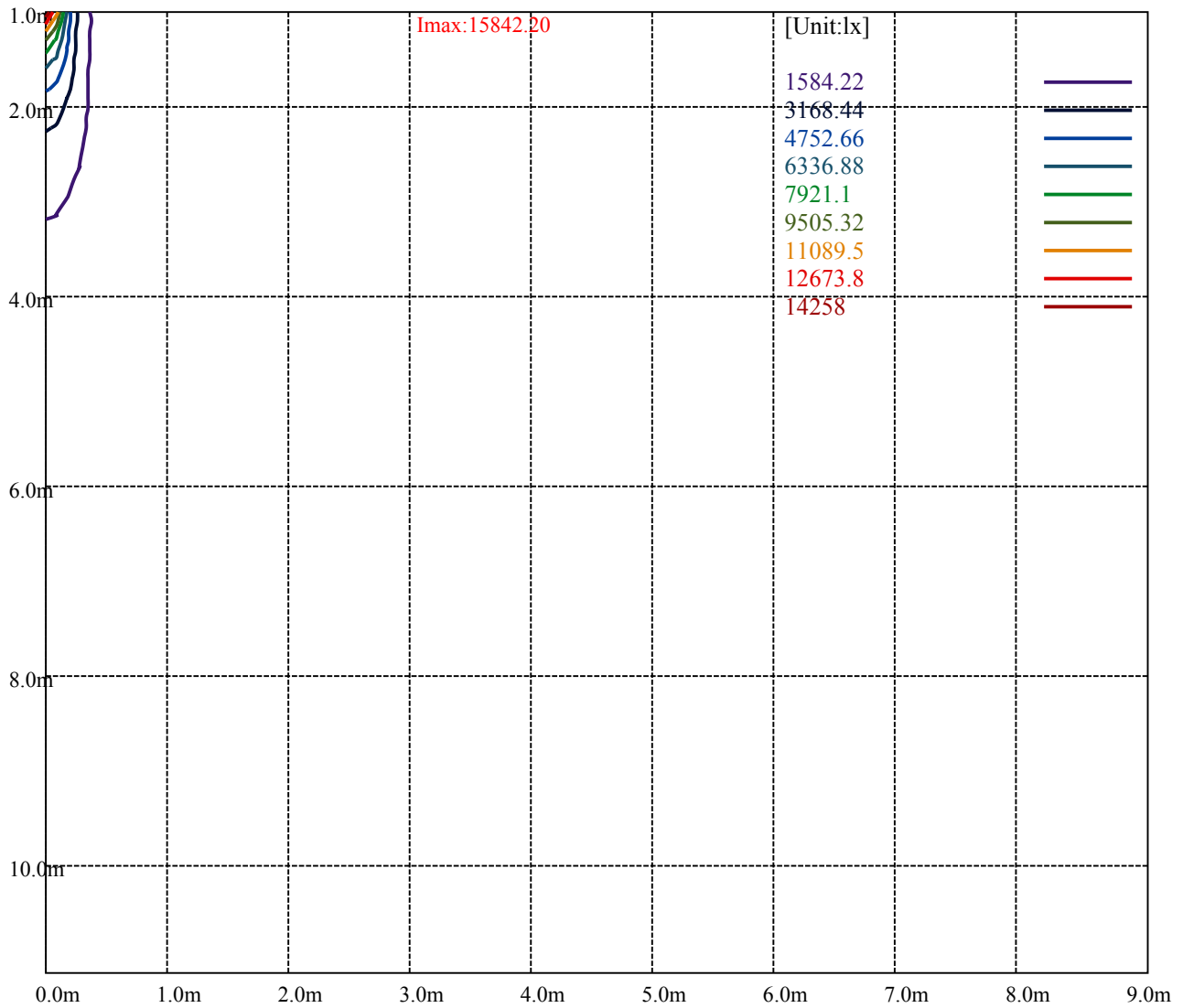
Road

Imax:15842.20

(10%Imax) 1584.22	—
(20%Imax) 3168.44	—
(30%Imax) 4752.66	—
(40%Imax) 6336.88	—
(50%Imax) 7921.1	—
(60%Imax) 9505.32	—
(70%Imax) 11089.5	—
(80%Imax) 12673.8	—
(90%Imax) 14258	—



- (10%Emax) 396.055
- (20%Emax) 792.11
- (30%Emax) 1188.162
- (40%Emax) 1584.218
- (50%Emax) 1980.272
- (60%Emax) 2376.327
- (70%Emax) 2772.375
- (80%Emax) 3168.425
- (90%Emax) 3564.5



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

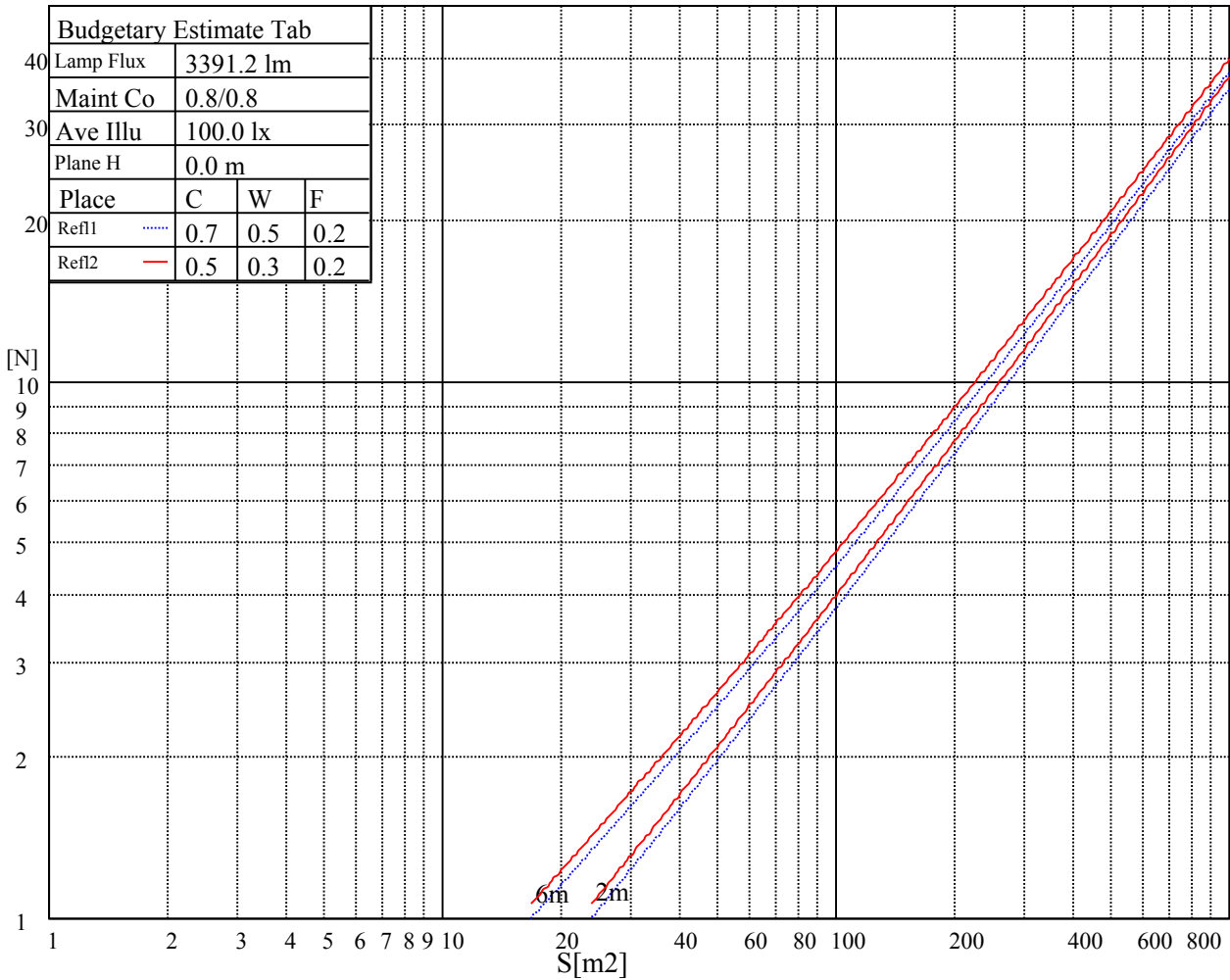
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

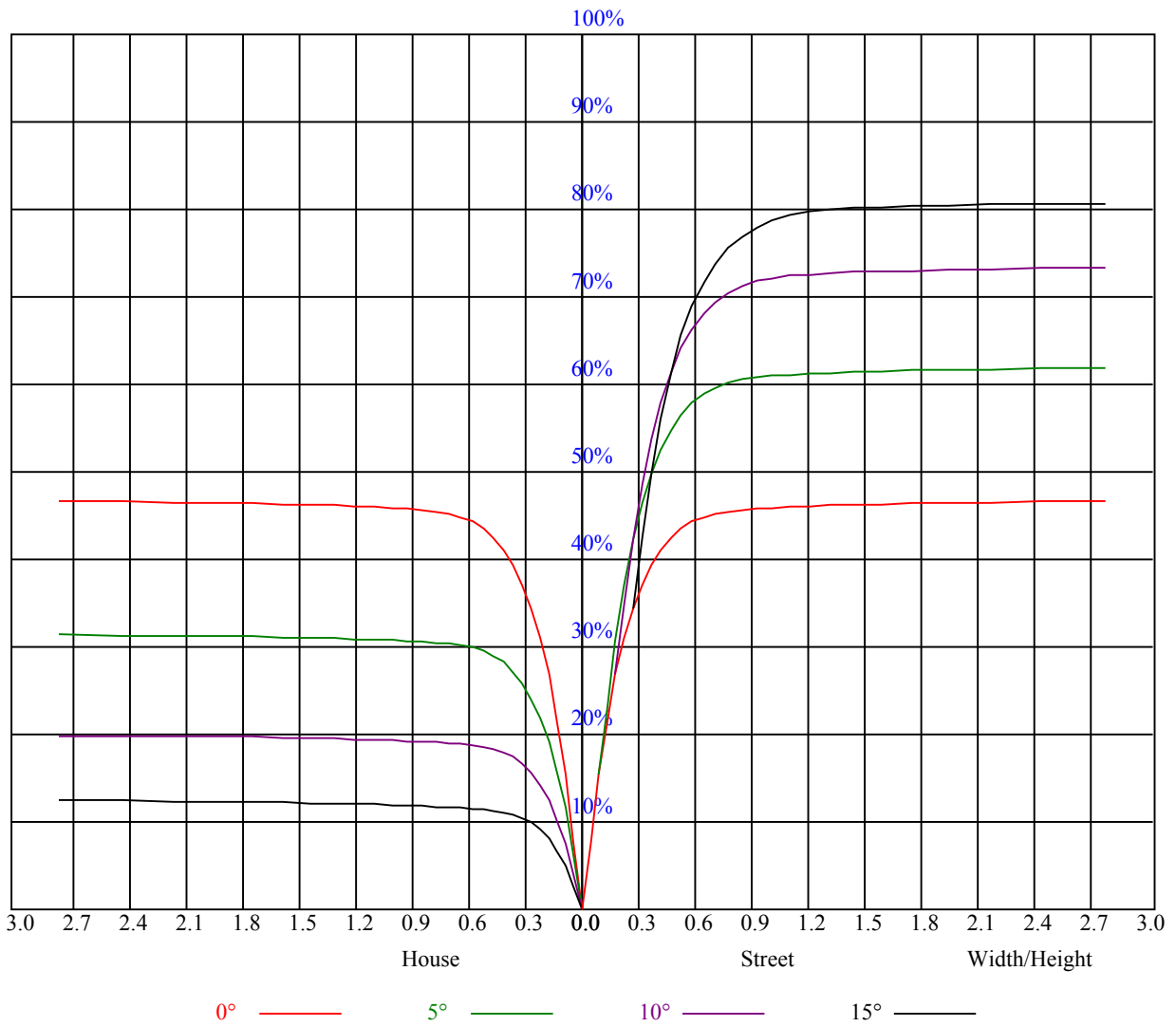


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.12	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	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	1.00	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.85
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	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.71	0.70
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64



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	15593.11	15094.93	14419.61	13611.45	10790.63	10790.63	10254.25	8900.86	7880.14
45.0	15952.91	15731.49	15310.81	14508.18	13677.87	12709.19	11663.00	10334.52	9238.52
90.0	15836.66	15349.55	14712.99	13926.97	12260.82	10806.68	10533.79	9447.20	8376.11
135.0	15986.12	15925.23	15526.68	14962.08	14176.06	13008.10	11984.05	10899.12	9797.59
180.0	15593.11	15952.91	15952.91	15692.75	15227.78	14353.19	13495.21	12520.98	11474.80
225.0	15952.91	15914.16	15499.01	14956.54	14242.48	13390.04	10793.95	10793.95	9683.01
270.0	15836.66	15997.19	15847.74	15360.62	14784.95	14015.53	12886.32	11873.35	10517.18
315.0	15986.12	15687.21	15216.70	14569.07	13556.10	11003.19	11003.19	10445.78	9344.79
360.0	15593.11	15094.93	14419.61	13611.45	10790.63	10790.63	10254.25	8900.86	7880.14
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6963.48	5949.96	5255.82	4539.55	4074.02	3681.01	3336.16	2981.90	2727.83
45.0	8214.47	7024.37	6188.53	5308.41	4727.20	4223.48	3813.86	3376.57	3088.73
90.0	7162.76	6299.79	5555.29	4765.94	4263.33	3755.19	3409.78	3108.66	2851.26
135.0	8452.49	7450.59	6570.47	5789.99	4970.75	4433.82	3985.46	3520.49	3210.51
180.0	10118.64	9011.57	7683.08	6725.46	5884.09	5031.64	4467.04	4007.60	3620.13
225.0	8587.00	7557.43	6407.18	5629.46	4975.74	4302.08	3860.36	3484.51	3169.55
270.0	9432.25	8386.07	7378.63	6243.89	5496.61	4848.98	4312.05	3786.19	3426.39
315.0	7993.61	7039.87	6185.76	5451.22	4692.32	4196.36	3781.20	3355.54	3064.93
360.0	6963.48	5949.96	5255.82	4539.55	4074.02	3681.01	3336.16	2981.90	2727.83
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2498.11	2282.23	2037.57	1864.86	1708.21	1559.86	1383.29	1088.36	1088.36
45.0	2828.57	2828.57	2324.85	2131.11	1949.00	1790.69	1605.25	1459.67	1322.40
90.0	2556.78	2339.80	2137.76	1957.30	1755.26	1600.83	1455.80	1078.45	1078.45
135.0	2944.81	2823.03	2823.03	2167.65	1986.64	1816.15	1664.48	1516.14	1336.24
180.0	3216.04	2933.74	2800.89	2800.89	2200.86	2020.96	1851.02	1660.05	1521.12
225.0	2821.37	2575.60	2353.64	2149.93	1928.52	1771.87	1593.63	1459.12	1104.14
270.0	3127.48	2861.78	2861.78	2338.69	2141.08	1921.32	1766.33	1591.42	1456.91
315.0	2808.64	2511.95	2301.05	2064.14	1894.20	1736.44	1594.18	1424.25	1092.46
360.0	2498.11	2282.23	2037.57	1864.86	1708.21	1559.86	1383.29	1088.36	1088.36
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	962.05	846.36	709.97	613.15	524.86	444.60	357.25	298.08	247.87
45.0	1154.68	1024.04	869.61	756.68	659.26	569.59	469.40	397.99	334.89
90.0	1016.13	892.08	749.76	650.29	561.51	458.83	387.48	324.81	259.28
135.0	1196.74	1064.45	936.58	791.56	685.83	590.07	480.47	404.08	321.05
180.0	1351.18	1215.01	1084.93	958.17	808.72	694.69	590.07	500.40	399.10
225.0	1104.14	1042.59	918.59	799.14	666.07	567.26	479.58	402.03	318.17
270.0	1321.29	1189.55	1025.70	901.16	784.91	674.76	552.43	465.52	388.58
315.0	1092.46	1027.64	873.26	758.12	651.29	532.61	449.53	375.13	296.03
360.0	962.05	846.36	709.97	613.15	524.86	444.60	357.25	298.08	247.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	206.41	164.73	136.61	114.91	93.10	79.82	69.80	60.50	55.02
45.0	279.54	279.54	178.07	146.58	121.72	97.87	83.64	70.80	63.44
90.0	216.21	179.51	148.62	118.90	100.63	86.19	73.18	65.43	59.34
135.0	292.27	292.27	168.94	140.82	119.01	101.96	84.75	74.01	65.65
180.0	331.01	286.73	286.73	173.64	143.92	120.56	98.86	85.69	74.84
225.0	261.88	215.71	177.08	139.38	116.57	99.47	83.64	74.12	64.87
270.0	321.05	291.16	291.16	165.67	130.36	109.99	94.21	79.43	70.52
315.0	243.78	200.44	156.65	130.03	109.21	93.10	77.94	68.69	61.50
360.0	206.41	164.73	136.61	114.91	93.10	79.82	69.80	60.50	55.02

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	50.59	46.05	43.12	40.63	38.58	36.42	34.93	33.65	32.66
45.0	57.73	52.25	48.49	45.28	41.90	39.69	37.81	36.20	34.54
90.0	53.36	49.49	46.11	42.68	40.30	38.30	36.31	34.87	33.71
135.0	59.17	54.19	49.15	45.78	42.84	39.74	37.81	35.59	34.26
180.0	64.60	58.51	52.70	48.88	45.50	42.62	39.63	37.53	35.76
225.0	58.90	54.19	50.21	46.05	43.18	40.68	38.53	36.31	34.76
270.0	63.49	56.46	52.14	48.43	45.22	41.79	39.63	37.70	35.70
315.0	55.80	50.43	46.83	43.78	40.63	38.53	36.81	34.87	33.71
360.0	50.59	46.05	43.12	40.63	38.58	36.42	34.93	33.65	32.66
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.61	31.00	30.56	30.22	30.11	30.00	29.84	29.67	29.12
45.0	33.38	32.55	31.88	31.22	30.89	30.89	30.89	30.61	30.50
90.0	32.77	31.88	31.27	31.00	30.72	30.83	30.61	30.44	30.17
135.0	33.05	31.88	31.22	30.67	30.28	30.11	30.11	30.06	29.95
180.0	34.26	32.82	31.88	31.16	30.61	30.17	30.00	30.00	29.95
225.0	33.60	32.60	31.77	31.22	30.78	30.56	30.50	30.33	29.95
270.0	34.37	33.27	32.27	31.66	31.05	30.83	30.78	30.83	30.56
315.0	32.66	31.66	31.00	30.56	30.22	30.06	29.95	29.72	29.56
360.0	31.61	31.00	30.56	30.22	30.11	30.00	29.84	29.67	29.12
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.06	27.07	26.07	24.58	23.53	22.69	21.75	20.87	20.31
45.0	30.11	29.06	27.95	26.68	25.35	24.08	23.19	22.14	21.37
90.0	29.45	28.29	27.07	25.91	24.58	23.58	22.47	21.70	20.98
135.0	29.84	29.45	28.56	27.23	26.18	24.96	23.53	22.69	21.64
180.0	29.72	29.56	29.17	28.17	27.18	26.07	24.91	23.69	22.86
225.0	29.72	29.01	27.95	26.90	25.96	24.47	23.36	22.47	21.81
270.0	30.22	30.00	29.34	27.90	26.96	25.85	24.24	23.30	22.47
315.0	29.34	28.56	27.51	26.40	25.30	23.97	22.92	22.09	21.09
360.0	28.06	27.07	26.07	24.58	23.53	22.69	21.75	20.87	20.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.76	19.21	18.76	18.38	17.88	17.44	16.99	16.50	16.11
45.0	20.70	20.20	19.65	19.21	18.65	18.16	17.71	17.21	16.72
90.0	20.31	19.82	19.37	18.76	18.32	17.88	17.33	16.83	16.44
135.0	20.92	20.31	19.82	19.26	18.76	18.27	17.88	17.44	16.94
180.0	21.86	21.09	20.48	19.82	19.32	18.82	18.27	17.82	17.44
225.0	20.92	20.31	19.82	19.26	18.76	18.21	17.77	17.27	16.83
270.0	21.53	20.87	20.31	19.82	19.21	18.76	18.21	17.71	17.27
315.0	20.48	19.93	19.43	18.88	18.43	17.99	17.60	17.05	16.66
360.0	19.76	19.21	18.76	18.38	17.88	17.44	16.99	16.50	16.11
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.78	15.39	15.11	14.72	14.45	14.12	13.78	13.45	13.45
45.0	16.33	15.83	15.44	15.11	14.72	14.34	13.95	13.73	13.28
90.0	15.89	15.55	15.11	14.78	14.50	14.12	13.73	13.51	13.34
135.0	16.50	15.94	15.50	15.11	14.78	14.45	14.17	13.84	13.51
180.0	16.94	16.50	16.00	15.55	15.22	14.83	14.50	14.23	13.95
225.0	16.33	15.89	15.55	15.17	14.78	14.45	14.23	13.95	13.73
270.0	16.83	16.33	15.89	15.44	15.00	14.67	14.39	14.00	13.62
315.0	16.16	15.83	15.39	15.00	14.72	14.39	14.06	13.73	13.34
360.0	15.78	15.39	15.11	14.72	14.45	14.12	13.78	13.45	13.45

Intensity data(cd)

C/γ(°)	90.0
0.0	13.45
45.0	13.40
90.0	13.34
135.0	13.34
180.0	13.67
225.0	13.28
270.0	13.28
315.0	13.34
360.0	13.45