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NT

LumCAT: 2-2641-L
Luminaire: 92.70.411.00
LampCAT: Fortimo_SLM_C_1208
Ballast type: AC
Report No: 20231027-B007
Test No: 20231027-C007
Number of Lamps: 1
Lamp flux(lm): 3391.2
Length(mm): 0
Phm Type: C
Voltage(V): 34.5900
Current(A): 0.6000
Power (W): 20.7540
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 3106.00, Efficiency(%): 91.59% , Luminous Efficacy(lm/W): 149.66
Central intensity(cd): 6761.719, Maximum intensity(cd): 6761.719
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=37.4
[C90/270]Total=37.4
Field angle(10%Imax): [C0/180]Total=65.6
[C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.62 C90_270=0.62
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.59%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.984%

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	6761.719	0.000	0	0.00%	0.00%
1.0	6748.503	6.464	6.464	0.19%	0.21%
2.0	6713.561	19.322	25.786	0.57%	0.83%
3.0	6646.929	31.954	57.74	0.94%	1.86%
4.0	6548.054	44.168	101.908	1.30%	3.28%
5.0	6428.144	55.823	157.731	1.65%	5.08%
6.0	6288.100	66.827	224.558	1.97%	7.23%
7.0	6116.227	76.993	301.552	2.27%	9.71%
8.0	5936.812	86.261	387.813	2.54%	12.49%
9.0	5733.318	94.580	482.393	2.79%	15.53%
10.0	5519.377	101.833	584.226	3.00%	18.81%
11.0	5296.924	108.077	692.303	3.19%	22.29%
12.0	5056.621	113.179	805.482	3.34%	25.93%
13.0	4819.361	117.203	922.685	3.46%	29.71%
14.0	4578.850	120.296	1042.981	3.55%	33.58%
15.0	4321.386	122.186	1165.168	3.60%	37.51%
16.0	4069.804	122.954	1288.122	3.63%	41.47%
17.0	3801.824	122.582	1410.705	3.61%	45.42%
18.0	3550.795	121.229	1531.933	3.57%	49.32%
19.0	3291.394	119.040	1650.973	3.51%	53.15%
20.0	3022.860	115.568	1766.542	3.41%	56.88%
21.0	2776.260	111.355	1877.897	3.28%	60.46%
22.0	2534.295	106.718	1984.614	3.15%	63.90%
23.0	2316.341	101.779	2086.394	3.00%	67.17%
24.0	2096.794	96.487	2182.881	2.85%	70.28%
25.0	1891.363	90.682	2273.563	2.67%	73.20%
26.0	1703.369	84.854	2358.417	2.50%	75.93%
27.0	1464.808	77.510	2435.927	2.29%	78.43%
28.0	1291.891	69.794	2505.721	2.06%	80.67%
29.0	1169.684	64.402	2570.123	1.90%	82.75%
30.0	1049.048	59.905	2630.028	1.77%	84.68%
31.0	903.890	54.347	2684.375	1.60%	86.43%
32.0	774.992	48.098	2732.473	1.42%	87.97%
33.0	657.753	42.209	2774.682	1.24%	89.33%
34.0	553.294	36.650	2811.332	1.08%	90.51%
35.0	463.586	31.581	2842.913	0.93%	91.53%
36.0	377.892	26.793	2869.706	0.79%	92.39%
37.0	311.419	22.481	2892.187	0.66%	93.12%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	263.103	19.177	2911.364	0.57%	93.73%
39.0	223.110	16.596	2927.96	0.49%	94.27%
40.0	183.331	14.175	2942.135	0.42%	94.72%
41.0	134.578	11.321	2953.456	0.33%	95.09%
42.0	112.056	8.961	2962.416	0.26%	95.38%
43.0	96.834	7.738	2970.154	0.23%	95.63%
44.0	85.120	6.867	2977.022	0.20%	95.85%
45.0	76.000	6.192	2983.214	0.18%	96.05%
46.0	69.358	5.685	2988.898	0.17%	96.23%
47.0	63.740	5.294	2994.192	0.16%	96.40%
48.0	58.820	4.955	2999.146	0.15%	96.56%
49.0	54.682	4.661	3003.807	0.14%	96.71%
50.0	51.181	4.414	3008.221	0.13%	96.85%
51.0	48.054	4.198	3012.42	0.12%	96.99%
52.0	45.314	4.006	3016.426	0.12%	97.12%
53.0	42.664	3.827	3020.253	0.11%	97.24%
54.0	40.519	3.666	3023.92	0.11%	97.36%
55.0	38.478	3.526	3027.446	0.10%	97.47%
56.0	36.699	3.397	3030.843	0.10%	97.58%
57.0	35.087	3.282	3034.125	0.10%	97.69%
58.0	33.613	3.177	3037.302	0.09%	97.79%
59.0	32.243	3.079	3040.381	0.09%	97.89%
60.0	31.012	2.988	3043.369	0.09%	97.98%
61.0	29.919	2.908	3046.277	0.09%	98.08%
62.0	28.908	2.835	3049.112	0.08%	98.17%
63.0	27.974	2.767	3051.878	0.08%	98.26%
64.0	27.082	2.702	3054.58	0.08%	98.34%
65.0	26.321	2.643	3057.223	0.08%	98.43%
66.0	25.511	2.586	3059.809	0.08%	98.51%
67.0	24.764	2.528	3062.337	0.07%	98.59%
68.0	24.037	2.472	3064.809	0.07%	98.67%
69.0	23.366	2.418	3067.227	0.07%	98.75%
70.0	22.674	2.365	3069.592	0.07%	98.83%
71.0	22.010	2.310	3071.901	0.07%	98.90%
72.0	21.339	2.254	3074.155	0.07%	98.97%
73.0	20.695	2.198	3076.353	0.06%	99.05%
74.0	20.080	2.144	3078.497	0.06%	99.11%
75.0	19.464	2.089	3080.586	0.06%	99.18%

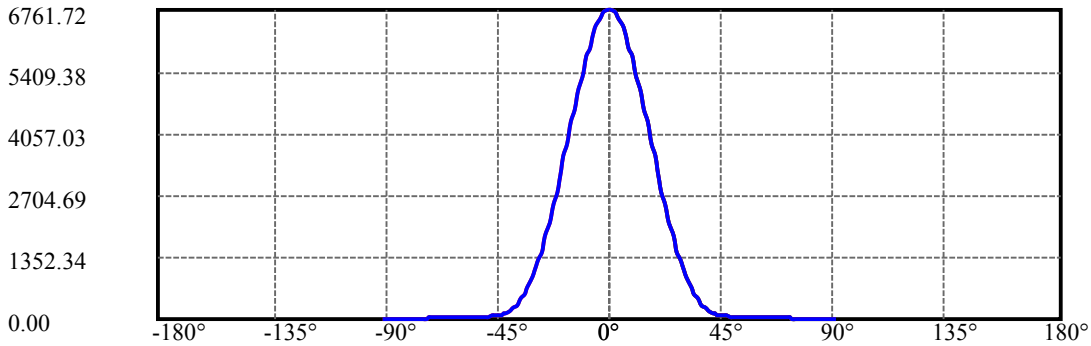
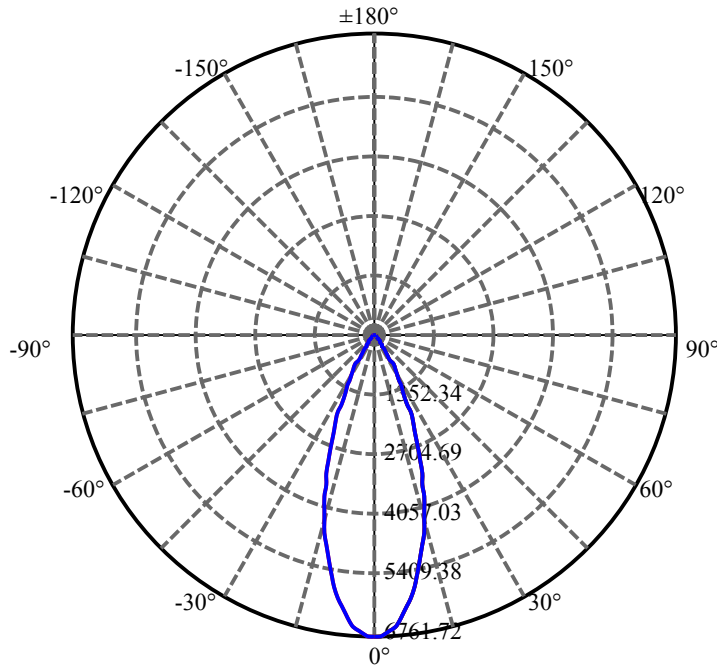
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.889	2.036	3082.622	0.06%	99.25%
77.0	18.267	1.981	3084.603	0.06%	99.31%
78.0	17.713	1.926	3086.529	0.06%	99.37%
79.0	17.194	1.876	3088.405	0.06%	99.43%
80.0	16.655	1.825	3090.23	0.05%	99.49%
81.0	16.122	1.772	3092.002	0.05%	99.55%
82.0	15.610	1.721	3093.723	0.05%	99.60%
83.0	15.125	1.671	3095.394	0.05%	99.66%
84.0	14.696	1.625	3097.018	0.05%	99.71%
85.0	14.316	1.583	3098.602	0.05%	99.76%
86.0	13.984	1.547	3100.149	0.05%	99.81%
87.0	13.638	1.512	3101.66	0.04%	99.86%
88.0	13.278	1.474	3103.135	0.04%	99.91%
89.0	13.029	1.442	3104.577	0.04%	99.95%
90.0	12.890	1.421	3105.998	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2630.03	77.55%	84.68%
0-40	2942.13	86.76%	94.72%
0-60	3043.37	89.74%	97.98%
0-90	3104.58	91.55%	99.95%
0-120	3104.58	91.55%	99.95%
0-180	3106.00	91.59%	100.00%
60-90	61.21	1.80%	1.97%
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%
0-27.70	2484.80	73.27%	80.00%

ZONAL LUMEN SUMMARY

0-10	584.23
10-20	1182.32
20-30	863.49
30-40	312.11
40-50	66.09
50-60	35.15
60-70	26.22
70-80	20.64
80-90	14.35
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: —————

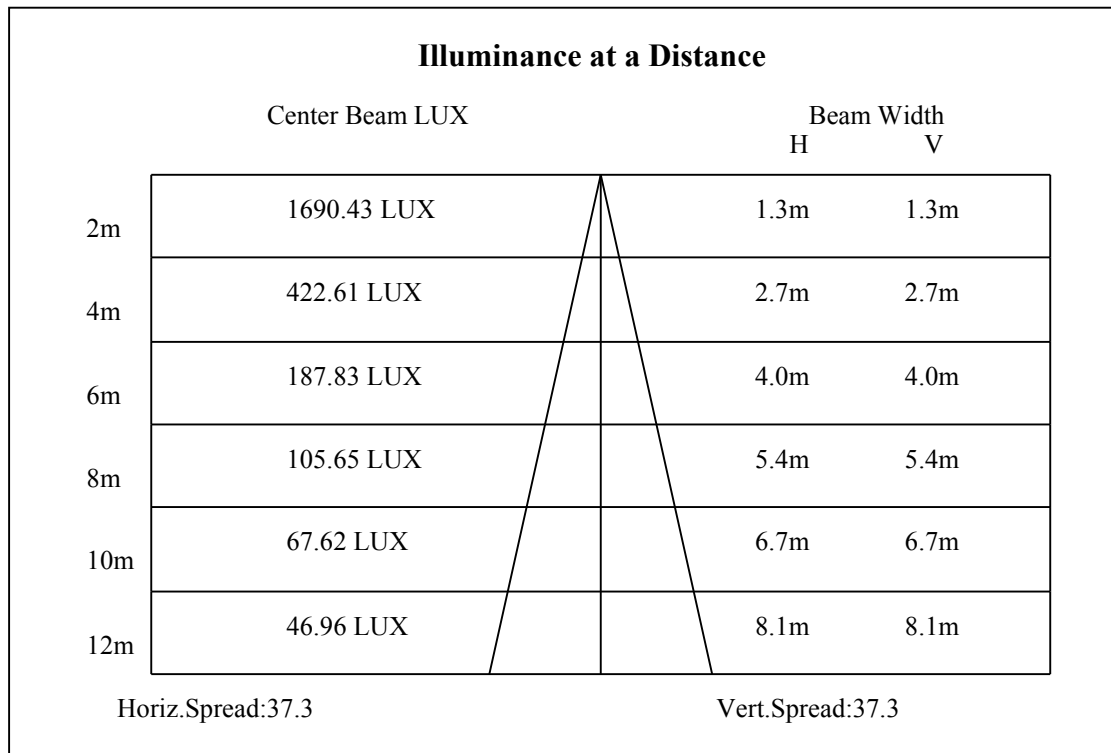
C90/C270: —————

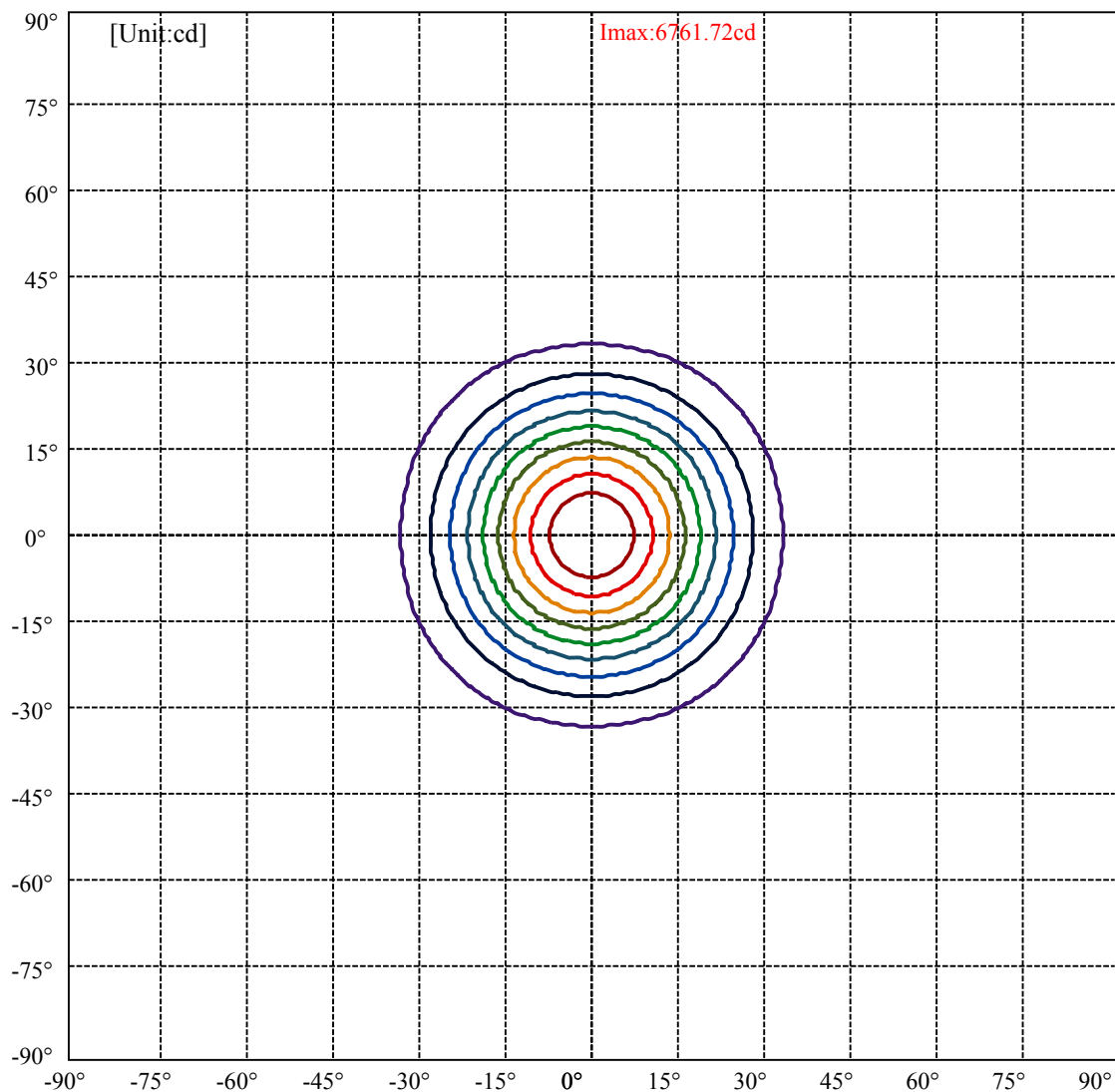
Field angle(10%Imax):C0/180Left:32.8 Right:32.8

:C90/270Left:32.8 Right:32.8

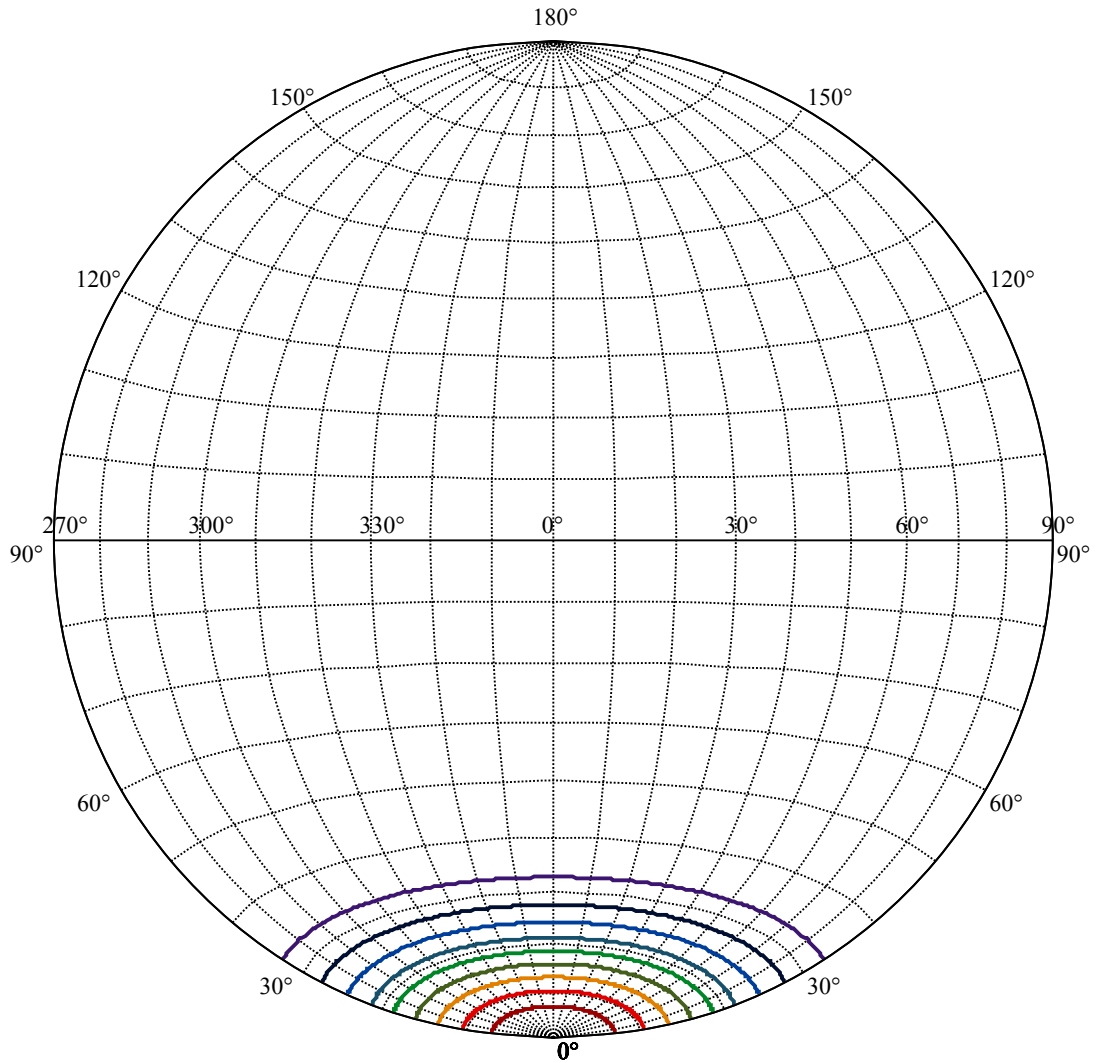
Beam Angle(50%Imax):C0/180Left:18.7 Right:18.7

:C90/270Left:18.7 Right:18.7





(10%Imax) 676.172	—
(20%Imax) 1352.34	—
(30%Imax) 2028.52	—
(40%Imax) 2704.69	—
(50%Imax) 3380.86	—
(60%Imax) 4057.03	—
(70%Imax) 4733.2	—
(80%Imax) 5409.38	—
(90%Imax) 6085.55	—



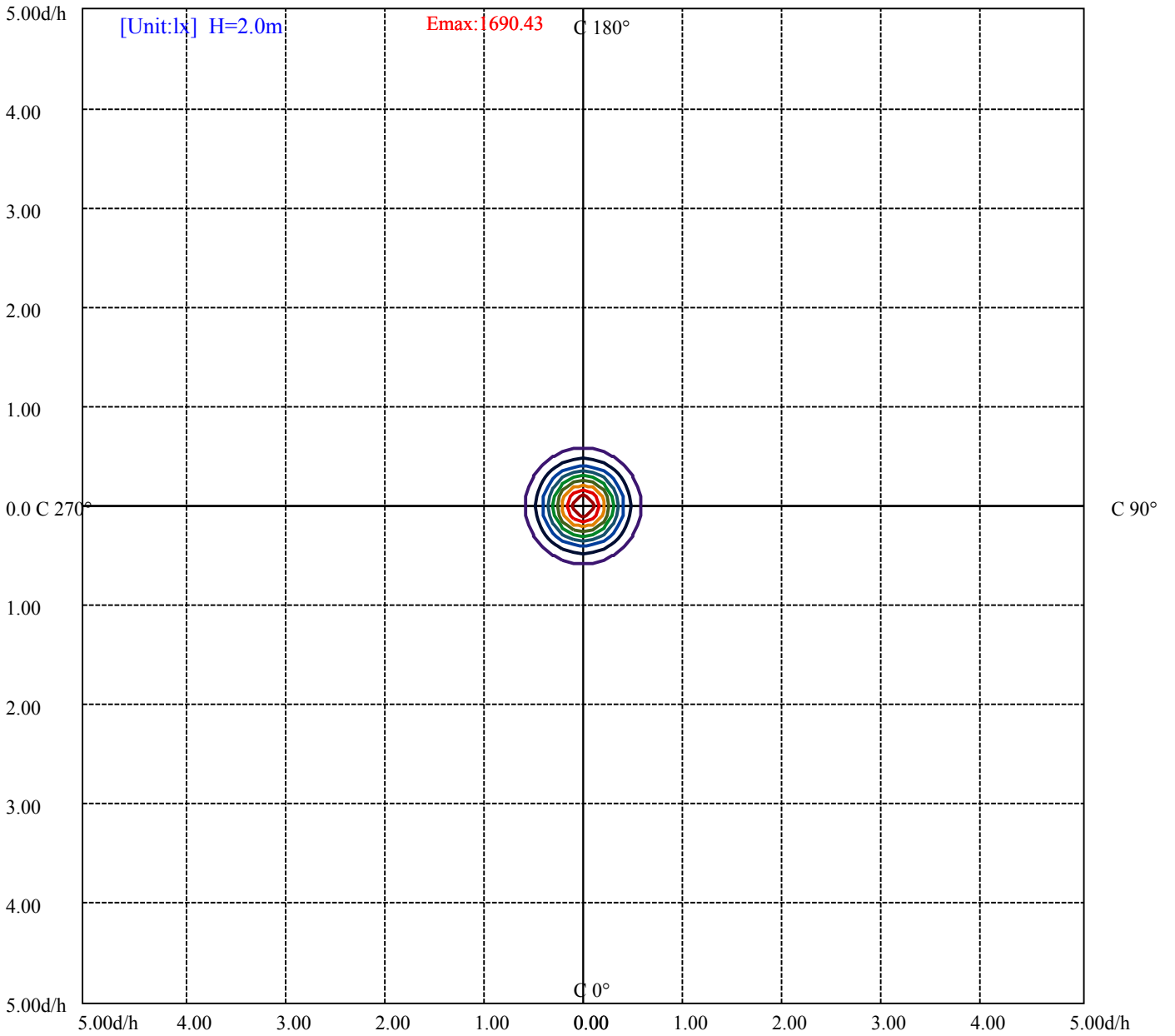
House

[Unit:cd]

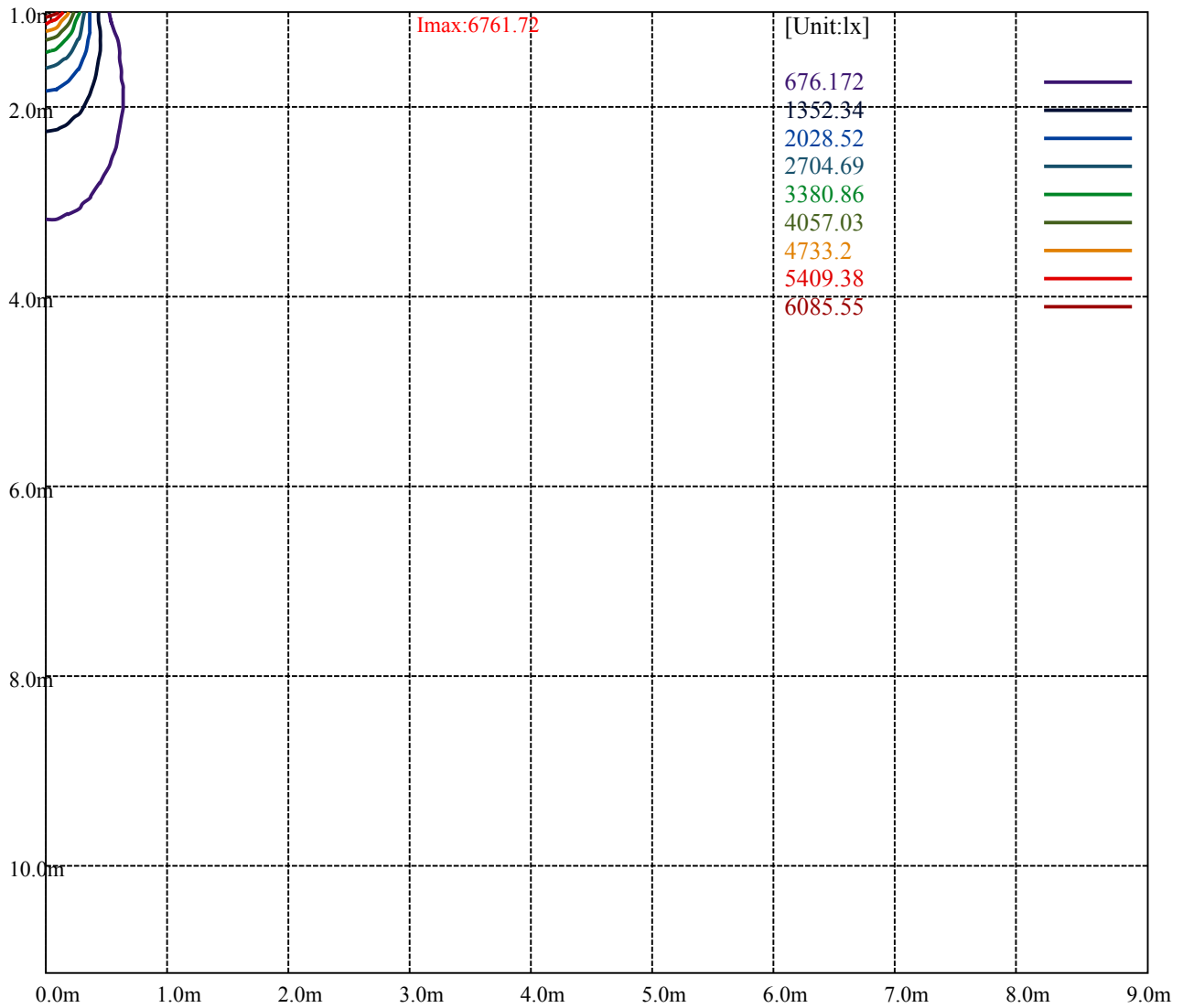
Road

Imax:6761.72

(10%Imax)	676.172	—
(20%Imax)	1352.34	—
(30%Imax)	2028.52	—
(40%Imax)	2704.69	—
(50%Imax)	3380.86	—
(60%Imax)	4057.03	—
(70%Imax)	4733.2	—
(80%Imax)	5409.38	—
(90%Imax)	6085.55	—



(10%Emax) 169.043	—
(20%Emax) 338.085	—
(30%Emax) 507.13	—
(40%Emax) 676.1725	—
(50%Emax) 845.215	—
(60%Emax) 1014.258	—
(70%Emax) 1183.3	—
(80%Emax) 1352.343	—
(90%Emax) 1521.385	—



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

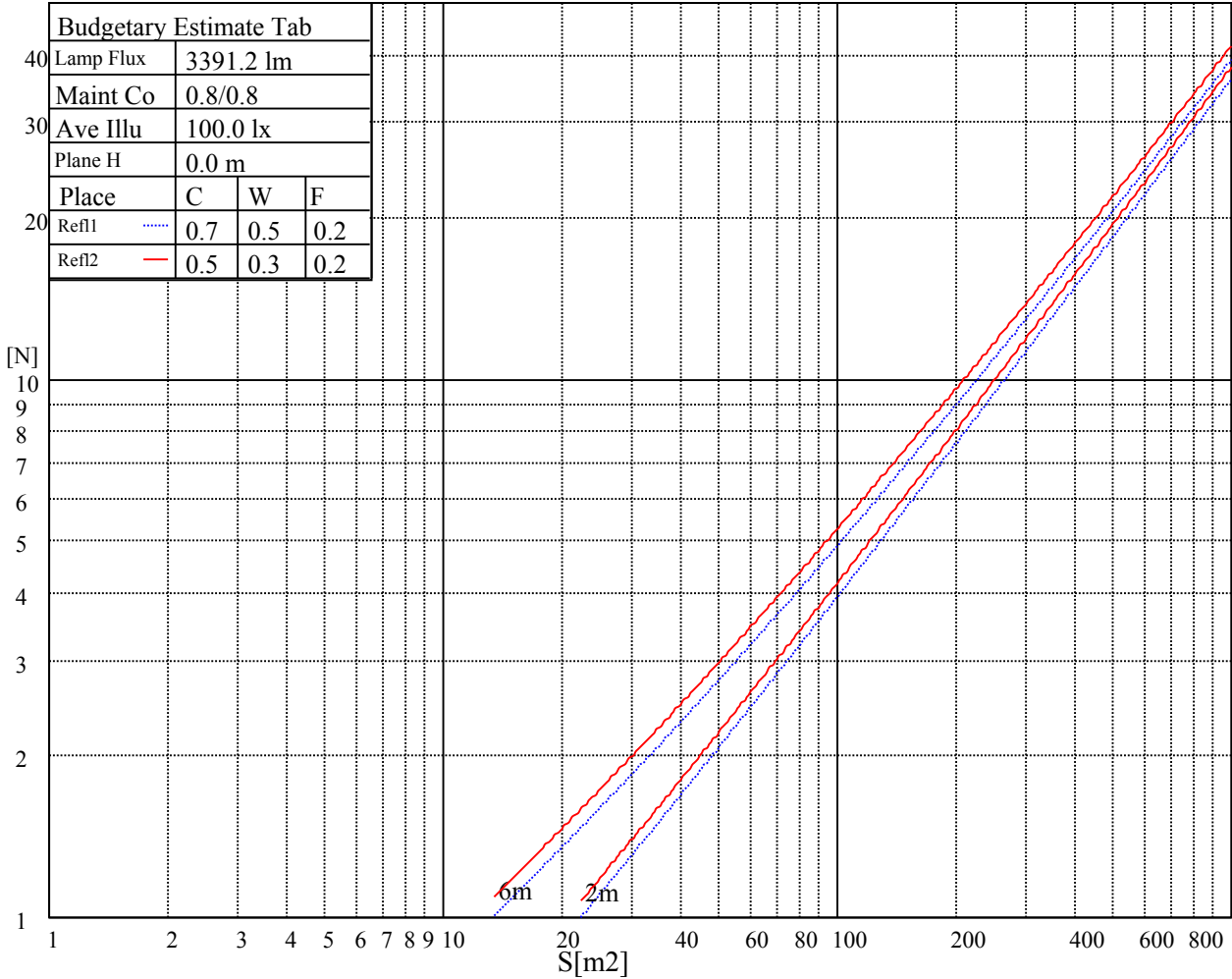
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

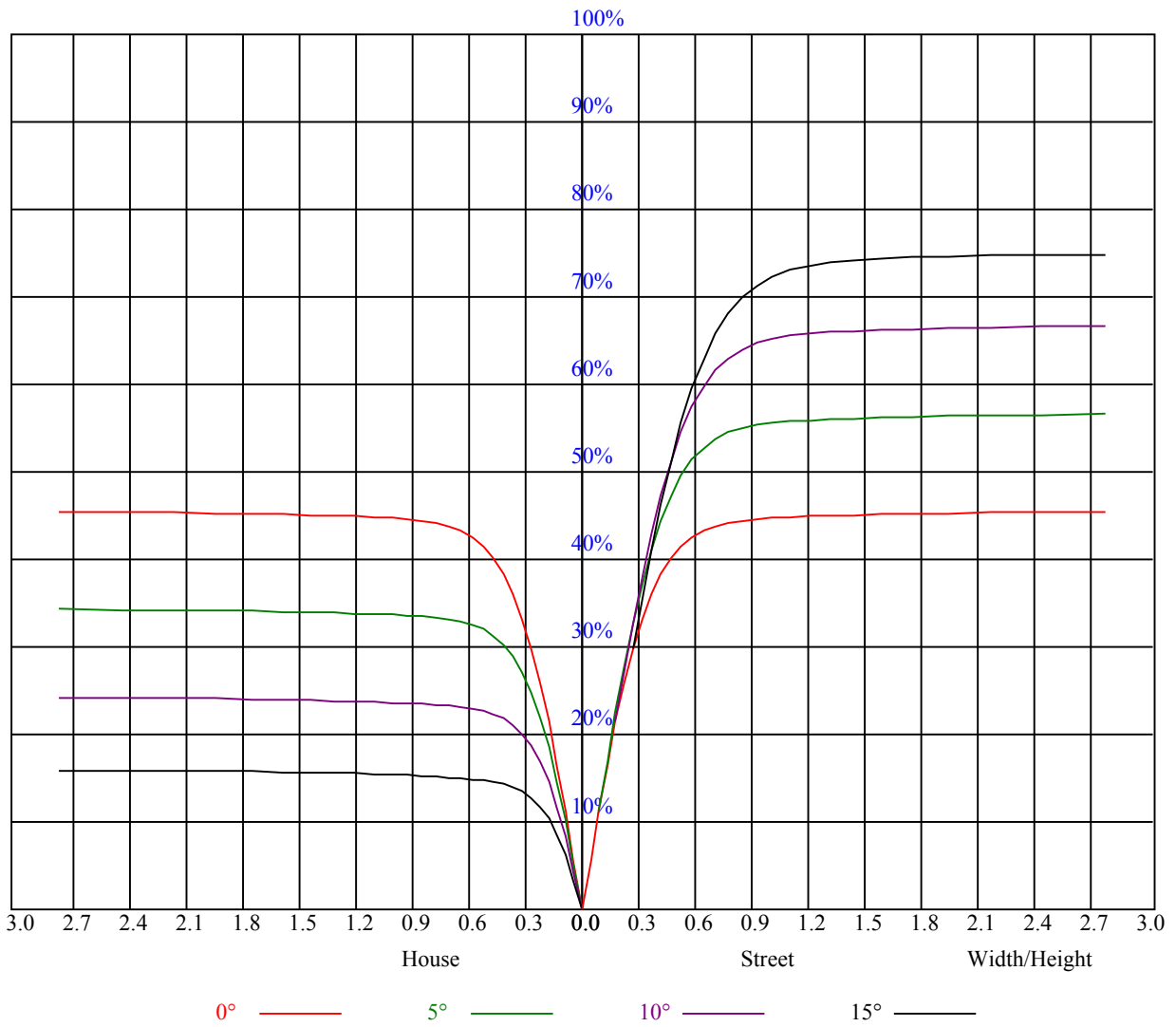


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.85	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.55



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	6750.93	6682.29	6625.27	6531.17	6398.88	6233.92	6086.68	5904.57	5667.10
45.0	6762.00	6760.34	6718.82	6645.75	6537.81	6415.48	6286.51	6085.57	5900.69
90.0	6771.41	6728.23	6648.52	6572.69	6404.41	6280.42	6128.75	5891.84	5708.06
135.0	6762.55	6766.98	6740.41	6657.38	6578.78	6454.23	6290.38	6144.25	5962.14
180.0	6750.93	6768.08	6755.91	6727.68	6675.64	6574.35	6459.21	6311.97	6174.14
225.0	6762.00	6751.48	6735.43	6651.84	6562.72	6468.62	6280.97	6130.96	5952.73
270.0	6771.41	6773.62	6765.87	6731.55	6660.15	6576.56	6480.80	6315.29	6160.30
315.0	6762.55	6757.01	6718.27	6657.38	6566.04	6421.57	6291.49	6145.36	5969.33
360.0	6750.93	6682.29	6625.27	6531.17	6398.88	6233.92	6086.68	5904.57	5667.10
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5467.83	5258.59	5032.75	4752.11	4523.50	4299.87	3998.19	3752.97	3455.17
45.0	5721.90	5524.84	5266.90	5039.39	4827.39	4598.22	4303.19	4070.15	3822.17
90.0	5514.88	5301.77	5017.80	4794.73	4560.03	4331.97	4034.17	3796.70	3502.78
135.0	5719.13	5527.06	5332.77	5041.61	4822.96	4597.12	4361.31	4069.60	3830.47
180.0	5964.35	5775.04	5580.20	5378.16	5110.80	4878.87	4654.13	4429.95	4139.90
225.0	5749.58	5496.06	5298.45	5078.14	4846.76	4572.21	4339.72	4105.02	3803.90
270.0	6004.20	5755.11	5539.23	5332.77	5051.57	4815.21	4581.06	4283.82	4051.33
315.0	5724.67	5516.54	5307.30	5036.07	4811.89	4537.33	4299.31	4050.22	3808.88
360.0	5467.83	5258.59	5032.75	4752.11	4523.50	4299.87	3998.19	3752.97	3455.17
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3209.96	2963.63	2732.25	2450.50	2232.96	2024.83	1831.65	1614.11	1453.59
45.0	3525.47	3283.02	2991.31	2758.27	2535.75	2326.51	2068.56	1874.27	1689.95
90.0	3322.88	3027.84	2800.34	2523.02	2312.67	2110.63	1875.93	1702.68	1492.33
135.0	3589.68	3354.43	3056.07	2828.57	2552.91	2340.35	2139.42	1899.74	1718.18
180.0	3901.32	3662.19	3351.11	3108.66	2820.27	2594.98	2381.87	2176.50	1938.48
225.0	3560.34	3247.60	3011.79	2778.75	2563.43	2308.25	2115.06	1928.52	1751.94
270.0	3802.24	3544.84	3230.44	2992.97	2764.36	2544.60	2282.23	2085.17	1904.72
315.0	3494.47	3247.60	3009.58	2769.34	2492.02	2280.57	2079.63	1849.92	1677.77
360.0	3209.96	2963.63	2732.25	2450.50	2232.96	2024.83	1831.65	1614.11	1453.59
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1076.74	1076.74	975.77	850.23	707.25	606.07	516.45	419.03	349.45
45.0	1517.80	1313.54	1161.32	1021.27	890.09	738.42	631.03	515.34	435.63
90.0	1073.86	1073.86	1040.65	909.24	755.47	646.70	548.50	462.87	369.43
135.0	1550.45	1390.48	1199.51	1063.34	930.49	804.84	663.69	564.05	477.70
180.0	1759.69	1590.31	1429.78	1245.46	1106.52	968.69	833.07	693.03	592.84
225.0	1539.94	1265.38	1083.38	1083.38	917.49	793.94	655.11	559.13	473.66
270.0	1687.73	1522.78	1365.02	1185.67	1051.16	887.32	764.99	658.71	561.29
315.0	1512.26	1102.03	1102.03	1033.78	872.65	753.97	649.19	554.20	448.70
360.0	1076.74	1076.74	975.77	850.23	707.25	606.07	516.45	419.03	349.45
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	289.33	237.69	185.71	154.22	129.64	111.32	93.77	83.31	75.23
45.0	363.12	285.07	285.07	222.85	155.93	126.48	108.94	95.37	85.02
90.0	305.22	250.81	195.18	161.80	130.25	111.98	97.75	87.07	76.78
135.0	380.83	312.75	283.41	283.41	160.03	134.07	110.49	96.32	85.80
180.0	475.49	402.97	333.23	285.62	285.62	168.44	133.07	112.98	97.64
225.0	381.05	315.52	258.72	200.38	163.90	135.17	114.03	95.04	84.08
270.0	455.01	379.17	312.75	282.86	282.86	157.87	130.97	111.15	93.38
315.0	373.08	307.38	250.75	193.74	158.42	131.30	107.44	93.44	83.03
360.0	289.33	237.69	185.71	154.22	129.64	111.32	93.77	83.31	75.23

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	67.37	62.16	57.84	53.25	50.04	46.61	44.12	41.96	39.97
45.0	75.23	69.03	63.82	58.29	54.52	51.09	47.49	44.95	42.07
90.0	70.41	64.99	60.50	55.69	52.25	49.15	46.39	43.40	41.29
135.0	75.78	69.63	64.32	59.84	55.02	51.70	48.60	46.05	43.01
180.0	86.41	77.99	69.86	64.54	60.00	55.24	51.98	48.93	45.61
225.0	76.00	69.58	63.10	58.67	54.14	50.87	47.99	44.73	42.35
270.0	83.42	74.06	68.14	63.16	57.90	54.36	51.09	48.21	44.95
315.0	73.40	67.42	62.33	57.12	53.58	50.43	46.77	44.28	42.07
360.0	67.37	62.16	57.84	53.25	50.04	46.61	44.12	41.96	39.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.19	36.15	34.65	33.32	32.11	30.72	29.67	28.73	27.68
45.0	39.97	38.19	36.64	34.76	33.38	32.11	31.00	29.67	28.73
90.0	38.86	37.14	35.54	33.77	32.44	31.33	30.00	29.06	28.17
135.0	40.85	39.02	36.92	35.26	33.54	32.22	31.11	30.17	28.95
180.0	43.23	40.57	38.75	37.03	35.48	33.77	32.49	31.33	30.22
225.0	40.35	38.47	36.37	34.93	33.54	32.27	30.89	29.89	28.89
270.0	42.62	40.46	38.58	36.92	35.04	33.71	32.16	31.00	30.00
315.0	40.08	37.81	36.15	34.71	33.38	31.83	30.78	29.50	28.62
360.0	38.19	36.15	34.65	33.32	32.11	30.72	29.67	28.73	27.68
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.90	25.96	25.30	24.58	23.69	23.03	22.42	21.75	20.98
45.0	27.84	27.07	26.18	25.46	24.52	23.80	23.19	22.47	21.81
90.0	27.40	26.40	25.68	24.96	24.30	23.41	22.75	22.09	21.37
135.0	28.12	27.34	26.63	25.68	24.96	24.30	23.69	22.92	22.25
180.0	29.06	28.17	27.40	26.46	25.74	25.08	24.24	23.58	22.97
225.0	28.01	27.07	26.29	25.41	24.74	24.08	23.30	22.69	22.09
270.0	28.73	27.90	27.07	26.18	25.46	24.74	24.08	23.30	22.64
315.0	27.73	26.74	26.02	25.35	24.69	23.86	23.25	22.58	21.98
360.0	26.90	25.96	25.30	24.58	23.69	23.03	22.42	21.75	20.98
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.37	19.82	19.26	18.60	18.05	17.49	16.94	16.44	15.83
45.0	21.20	20.59	19.87	19.32	18.76	18.21	17.55	17.10	16.61
90.0	20.76	19.98	19.43	18.93	18.38	17.71	17.21	16.72	16.22
135.0	21.48	20.87	20.26	19.54	18.99	18.49	17.93	17.33	16.83
180.0	22.20	21.59	20.98	20.37	19.65	19.10	18.54	18.05	17.38
225.0	21.48	20.70	20.09	19.54	19.04	18.32	17.77	17.27	16.72
270.0	22.03	21.37	20.70	20.09	19.48	18.76	18.21	17.60	17.10
315.0	21.20	20.65	20.04	19.32	18.76	18.05	17.55	17.05	16.55
360.0	20.37	19.82	19.26	18.60	18.05	17.49	16.94	16.44	15.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.39	15.00	14.56	14.17	13.89	13.56	13.17	12.90	12.90
45.0	16.00	15.55	14.95	14.56	14.23	13.84	13.56	13.17	12.90
90.0	15.61	15.11	14.67	14.34	14.00	13.67	13.34	12.95	12.79
135.0	16.33	15.72	15.22	14.72	14.34	14.00	13.67	13.28	12.95
180.0	16.88	16.27	15.78	15.28	14.83	14.45	14.12	13.73	13.45
225.0	16.22	15.67	15.22	14.83	14.39	14.12	13.73	13.40	13.12
270.0	16.61	16.00	15.50	15.06	14.61	14.28	13.95	13.56	13.23
315.0	15.94	15.55	15.11	14.61	14.23	13.95	13.56	13.23	12.90
360.0	15.39	15.00	14.56	14.17	13.89	13.56	13.17	12.90	12.90

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	12.90
45.0	12.84
90.0	12.84
135.0	12.84
180.0	13.06
225.0	12.90
270.0	12.84
315.0	12.90
360.0	12.90