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NT

LumCAT: 2-2642-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC
Report No: 20231117-B008
Test No: 20231117-C008
Number of Lamps: 1
Lamp flux(lm): 3111.0
Length(mm): 0
Phm Type: C
Voltage(V): 35.8700
Current(A): 0.7000
Power (W): 25.1090
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2858.50, Efficiency(%): 91.88% , Luminous Efficacy(lm/W): 113.84
Central intensity(cd): 4360.895, Maximum intensity(cd): 4360.895
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=49.4
[C90/270]Total=49.4
Field angle(10%Imax): [C0/180]Total=72.0
[C90/270]Total=72.0
Maximum s/h(1/2): C0_180=0.78 C90_270=0.78
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.88%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.804%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
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	4360.895	0.000	0	0.00%	0.00%
1.0	4360.411	4.173	4.173	0.13%	0.15%
2.0	4354.253	12.508	16.681	0.40%	0.58%
3.0	4345.742	20.808	37.489	0.67%	1.31%
4.0	4329.343	29.038	66.527	0.93%	2.33%
5.0	4306.579	37.151	103.678	1.19%	3.63%
6.0	4269.423	45.069	148.747	1.45%	5.20%
7.0	4219.467	52.690	201.438	1.69%	7.05%
8.0	4144.324	59.858	261.296	1.92%	9.14%
9.0	4054.513	66.447	327.743	2.14%	11.47%
10.0	3955.430	72.487	400.23	2.33%	14.00%
11.0	3860.222	78.094	478.324	2.51%	16.73%
12.0	3759.547	83.295	561.619	2.68%	19.65%
13.0	3661.502	88.069	649.689	2.83%	22.73%
14.0	3564.080	92.487	742.175	2.97%	25.96%
15.0	3455.725	96.371	838.546	3.10%	29.34%
16.0	3341.489	99.598	938.145	3.20%	32.82%
17.0	3216.390	102.124	1040.268	3.28%	36.39%
18.0	3099.940	104.143	1144.411	3.35%	40.04%
19.0	2973.042	105.657	1250.068	3.40%	43.73%
20.0	2857.076	106.707	1356.776	3.43%	47.46%
21.0	2723.259	107.154	1463.929	3.44%	51.21%
22.0	2585.636	106.684	1570.614	3.43%	54.95%
23.0	2438.603	105.422	1676.036	3.39%	58.63%
24.0	2287.003	103.319	1779.355	3.32%	62.25%
25.0	2141.700	100.699	1880.054	3.24%	65.77%
26.0	1984.427	97.398	1977.451	3.13%	69.18%
27.0	1823.278	93.156	2070.608	2.99%	72.44%
28.0	1654.934	88.061	2158.669	2.83%	75.52%
29.0	1433.949	80.814	2239.483	2.60%	78.34%
30.0	1242.820	72.272	2311.755	2.32%	80.87%
31.0	1126.771	65.942	2377.697	2.12%	83.18%
32.0	983.820	60.466	2438.163	1.94%	85.30%
33.0	826.028	53.319	2491.482	1.71%	87.16%
34.0	679.057	45.548	2537.03	1.46%	88.75%
35.0	556.622	38.376	2575.406	1.23%	90.10%
36.0	438.850	31.696	2607.102	1.02%	91.21%
37.0	341.933	25.465	2632.567	0.82%	92.10%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	268.202	20.365	2652.932	0.65%	92.81%
39.0	233.654	17.130	2670.062	0.55%	93.41%
40.0	187.005	14.671	2684.733	0.47%	93.92%
41.0	137.803	11.566	2696.299	0.37%	94.33%
42.0	121.550	9.423	2705.722	0.30%	94.66%
43.0	108.154	8.509	2714.231	0.27%	94.95%
44.0	97.353	7.756	2721.987	0.25%	95.22%
45.0	87.812	7.116	2729.103	0.23%	95.47%
46.0	79.979	6.562	2735.665	0.21%	95.70%
47.0	73.184	6.092	2741.757	0.20%	95.92%
48.0	66.611	5.651	2747.408	0.18%	96.11%
49.0	61.359	5.255	2752.663	0.17%	96.30%
50.0	56.454	4.912	2757.575	0.16%	96.47%
51.0	52.807	4.623	2762.198	0.15%	96.63%
52.0	49.597	4.394	2766.592	0.14%	96.78%
53.0	46.622	4.185	2770.778	0.13%	96.93%
54.0	43.972	3.993	2774.771	0.13%	97.07%
55.0	41.688	3.824	2778.595	0.12%	97.20%
56.0	39.668	3.676	2782.271	0.12%	97.33%
57.0	37.793	3.542	2785.812	0.11%	97.46%
58.0	36.097	3.417	2789.229	0.11%	97.58%
59.0	34.582	3.304	2792.534	0.11%	97.69%
60.0	33.108	3.198	2795.732	0.10%	97.80%
61.0	31.884	3.102	2798.833	0.10%	97.91%
62.0	30.617	3.012	2801.845	0.10%	98.02%
63.0	29.441	2.921	2804.766	0.09%	98.12%
64.0	28.376	2.837	2807.603	0.09%	98.22%
65.0	27.393	2.760	2810.363	0.09%	98.32%
66.0	26.452	2.687	2813.049	0.09%	98.41%
67.0	25.490	2.612	2815.661	0.08%	98.50%
68.0	24.660	2.540	2818.202	0.08%	98.59%
69.0	23.837	2.474	2820.676	0.08%	98.68%
70.0	23.069	2.409	2823.085	0.08%	98.76%
71.0	22.280	2.344	2825.429	0.08%	98.84%
72.0	21.539	2.278	2827.707	0.07%	98.92%
73.0	20.792	2.214	2829.921	0.07%	99.00%
74.0	20.073	2.148	2832.069	0.07%	99.08%
75.0	19.360	2.083	2834.152	0.07%	99.15%

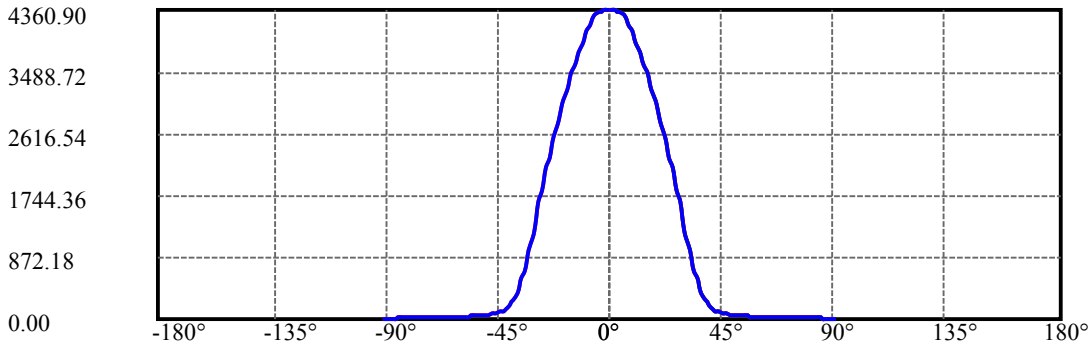
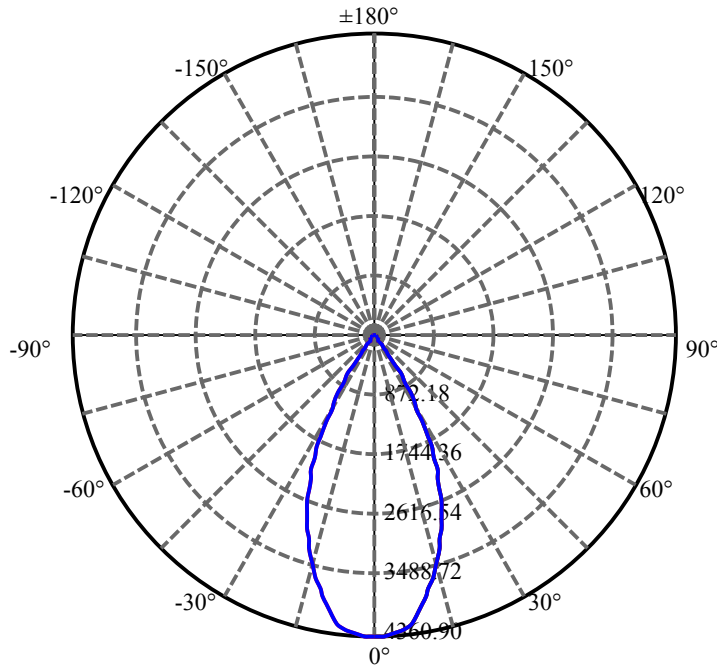
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.661	2.018	2836.171	0.06%	99.22%
77.0	18.018	1.956	2838.126	0.06%	99.29%
78.0	17.319	1.892	2840.018	0.06%	99.35%
79.0	16.703	1.828	2841.846	0.06%	99.42%
80.0	16.073	1.767	2843.613	0.06%	99.48%
81.0	15.457	1.705	2845.318	0.05%	99.54%
82.0	14.890	1.646	2846.964	0.05%	99.60%
83.0	14.323	1.588	2848.552	0.05%	99.65%
84.0	13.880	1.536	2850.088	0.05%	99.71%
85.0	13.458	1.492	2851.58	0.05%	99.76%
86.0	13.098	1.452	2853.032	0.05%	99.81%
87.0	12.773	1.416	2854.448	0.05%	99.86%
88.0	12.420	1.380	2855.828	0.04%	99.91%
89.0	12.136	1.346	2857.174	0.04%	99.95%
90.0	12.019	1.324	2858.498	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2311.75	74.31%	80.87%
0-40	2684.73	86.30%	93.92%
0-60	2795.73	89.87%	97.80%
0-90	2857.17	91.84%	99.95%
0-120	2857.17	91.84%	99.95%
0-180	2858.50	91.88%	100.00%
60-90	61.44	1.98%	2.15%
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%
0-29.65	2286.80	73.51%	80.00%

ZONAL LUMEN SUMMARY

0-10	400.23
10-20	956.55
20-30	954.98
30-40	372.98
40-50	72.84
50-60	38.16
60-70	27.35
70-80	20.53
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: —————

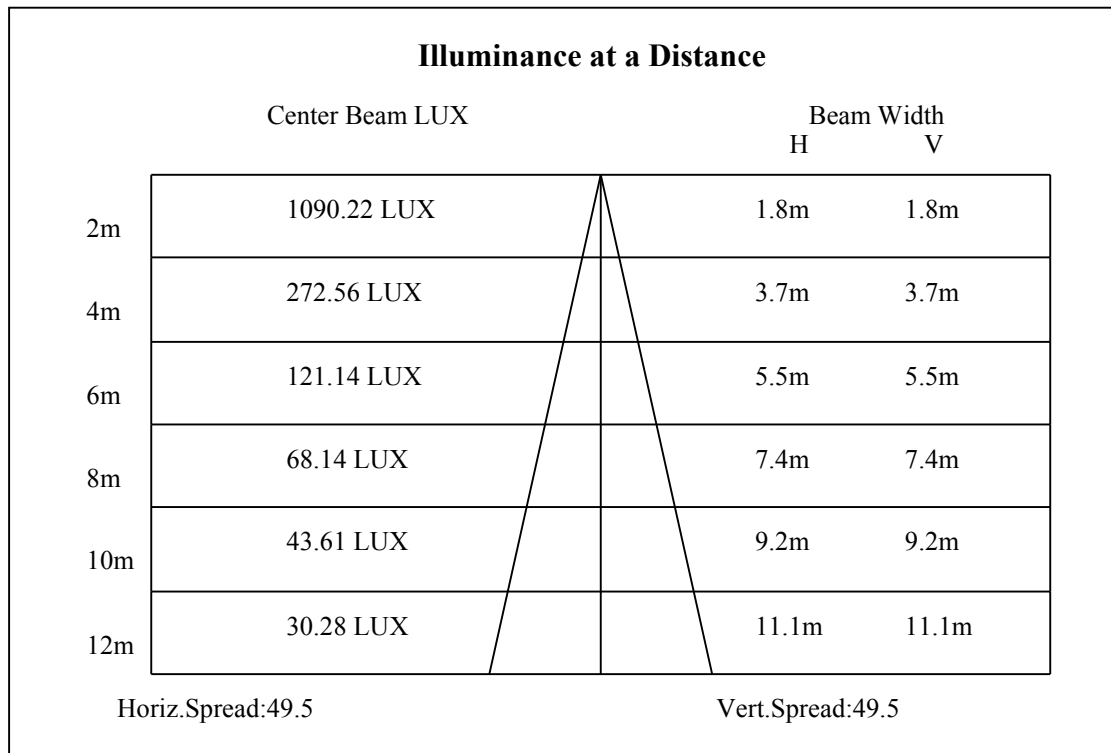
C90/C270: —————

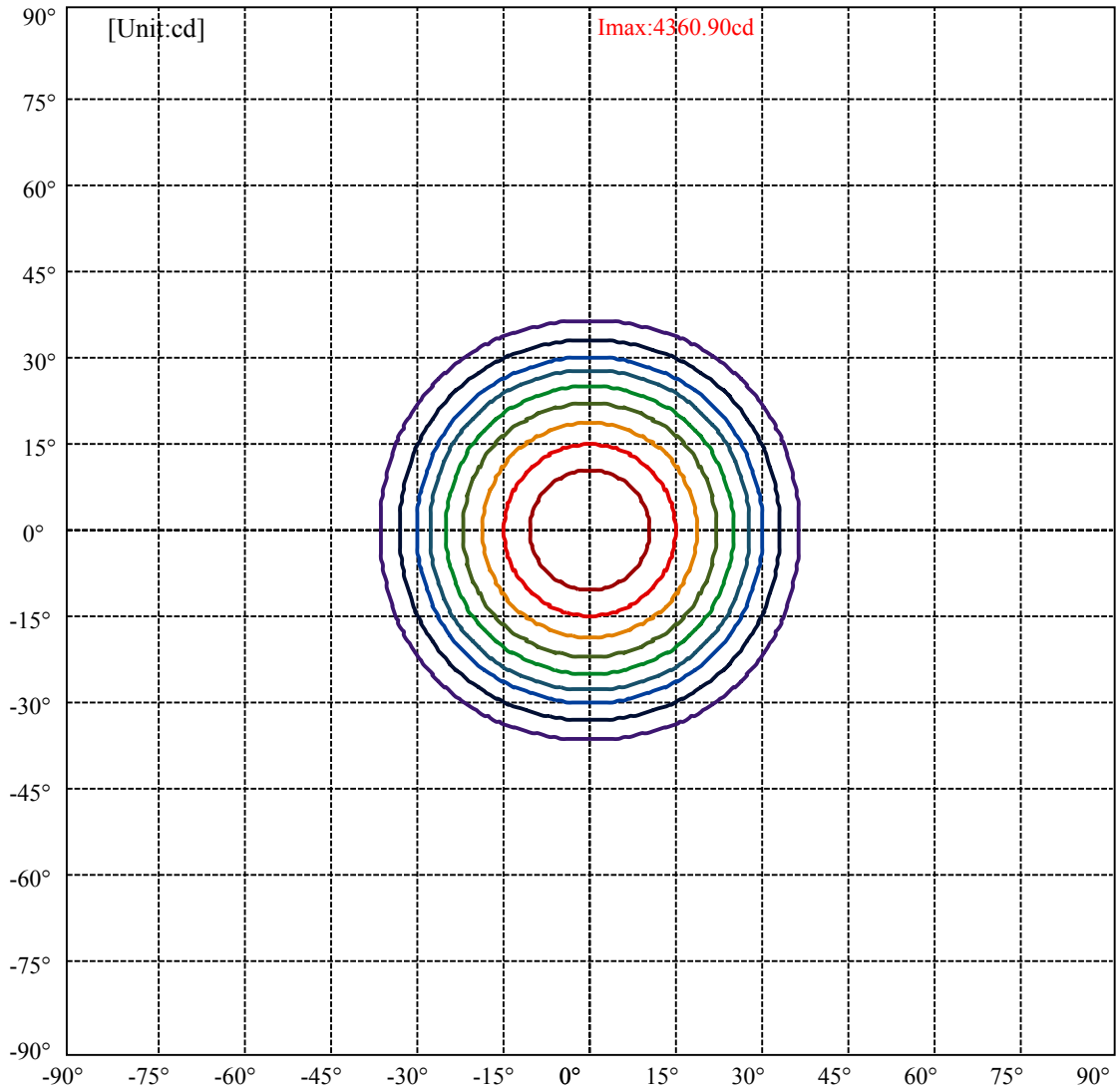
Field angle(10%Imax):C0/180Left:36.0 Right:36.0

:C90/270Left:36.0 Right:36.0

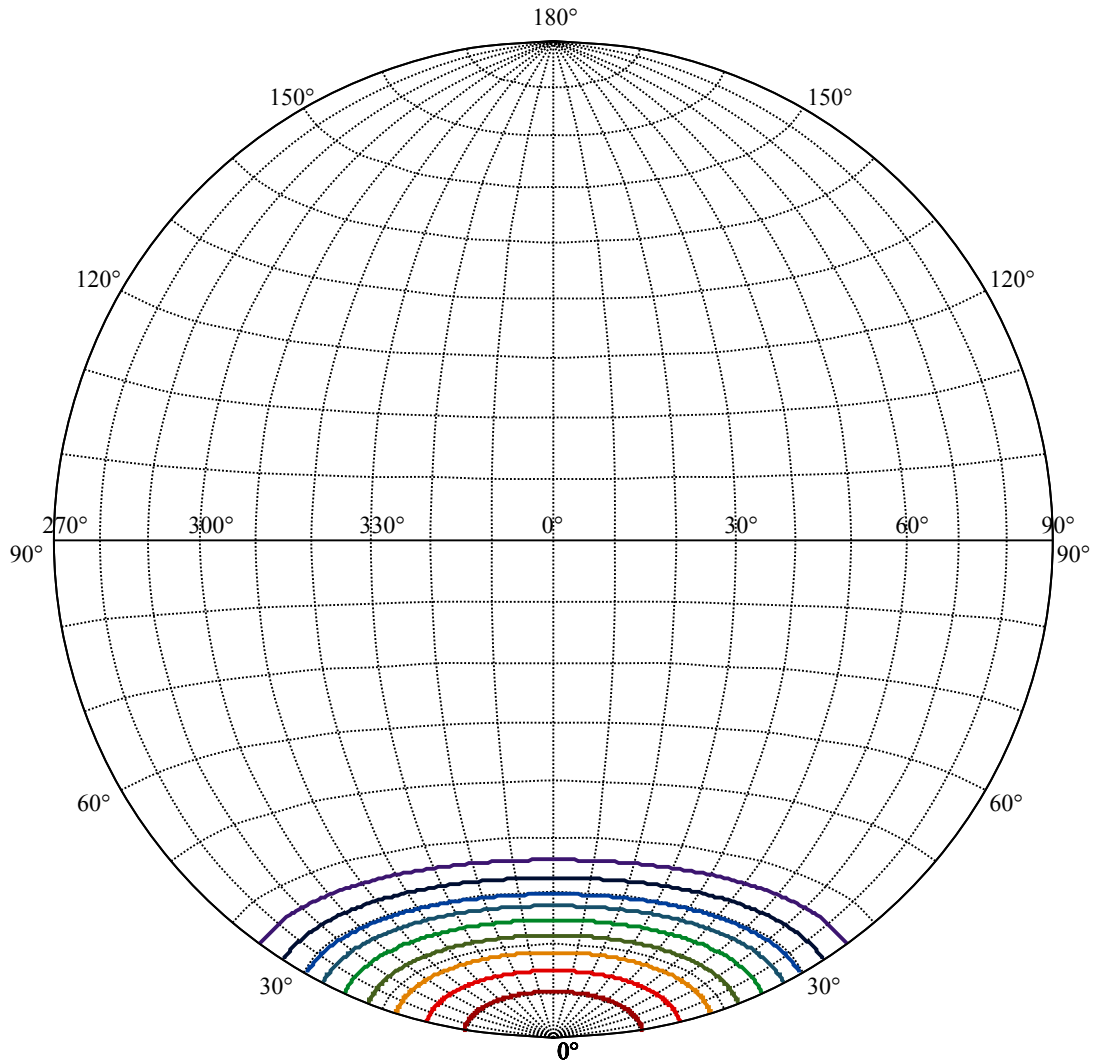
Beam Angle(50%Imax):C0/180Left:24.7 Right:24.7

:C90/270Left:24.7 Right:24.7





(10%Imax) 436.09	—
(20%Imax) 872.179	—
(30%Imax) 1308.27	—
(40%Imax) 1744.36	—
(50%Imax) 2180.45	—
(60%Imax) 2616.54	—
(70%Imax) 3052.63	—
(80%Imax) 3488.72	—
(90%Imax) 3924.81	—



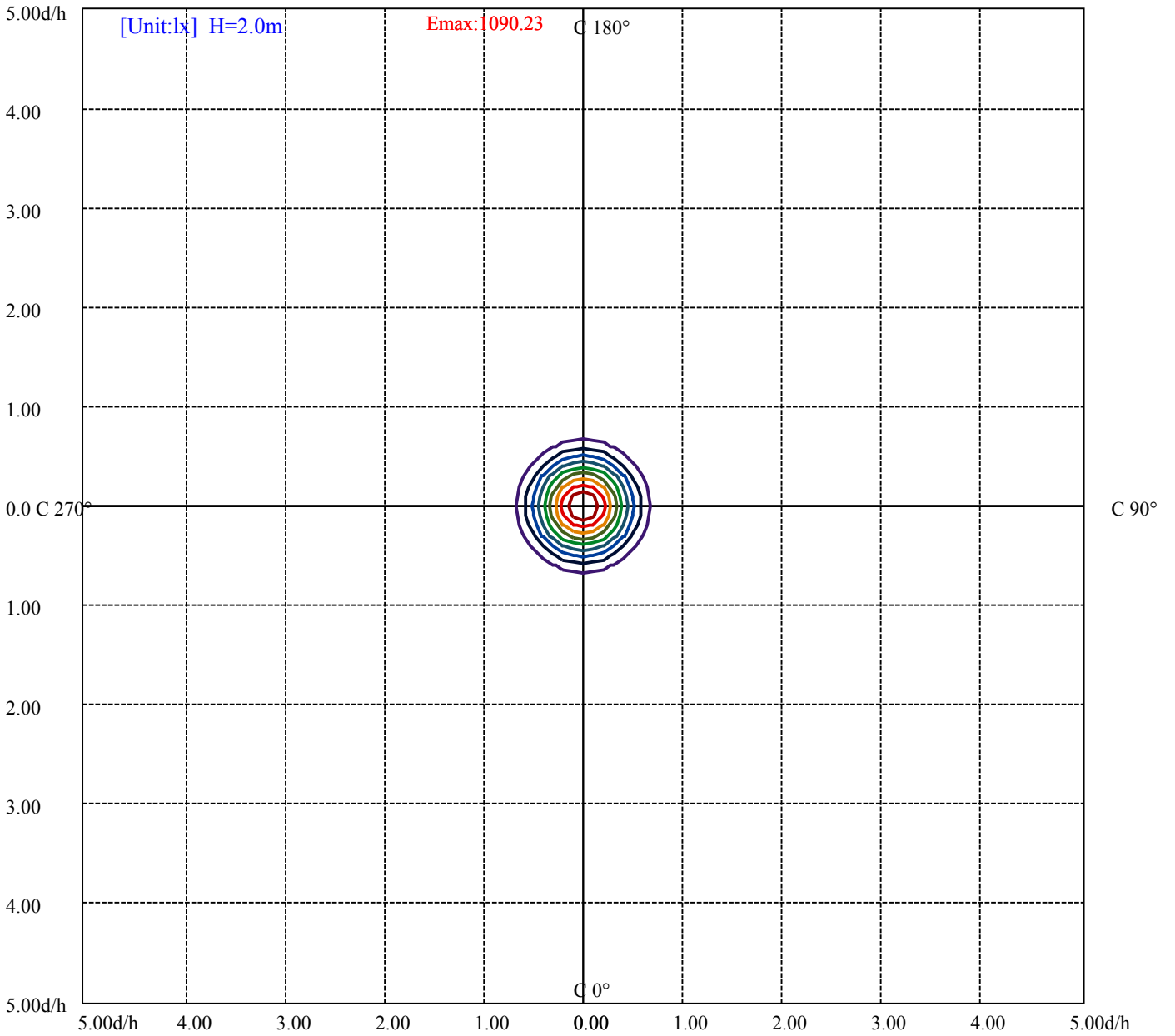
House

[Unit:cd]

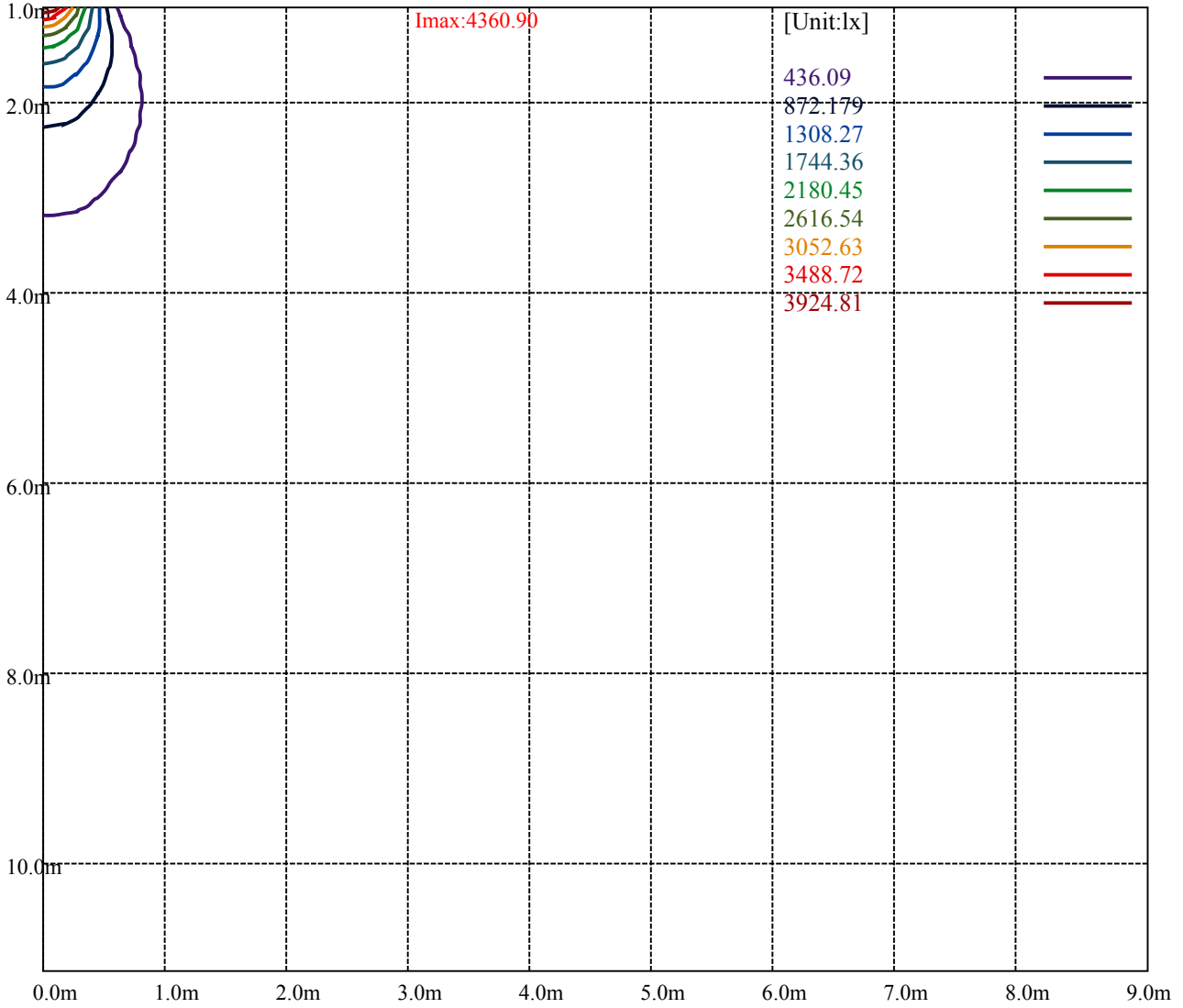
Road

Imax:4360.90

(10%Imax)	436.09	—
(20%Imax)	872.179	—
(30%Imax)	1308.27	—
(40%Imax)	1744.36	—
(50%Imax)	2180.45	—
(60%Imax)	2616.54	—
(70%Imax)	3052.63	—
(80%Imax)	3488.72	—
(90%Imax)	3924.81	—



- (10%Emax) 109.0225
- (20%Emax) 218.0448
- (30%Emax) 327.0675
- (40%Emax) 436.09
- (50%Emax) 545.1125
- (60%Emax) 654.135
- (70%Emax) 763.1575
- (80%Emax) 872.18
- (90%Emax) 981.2025



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

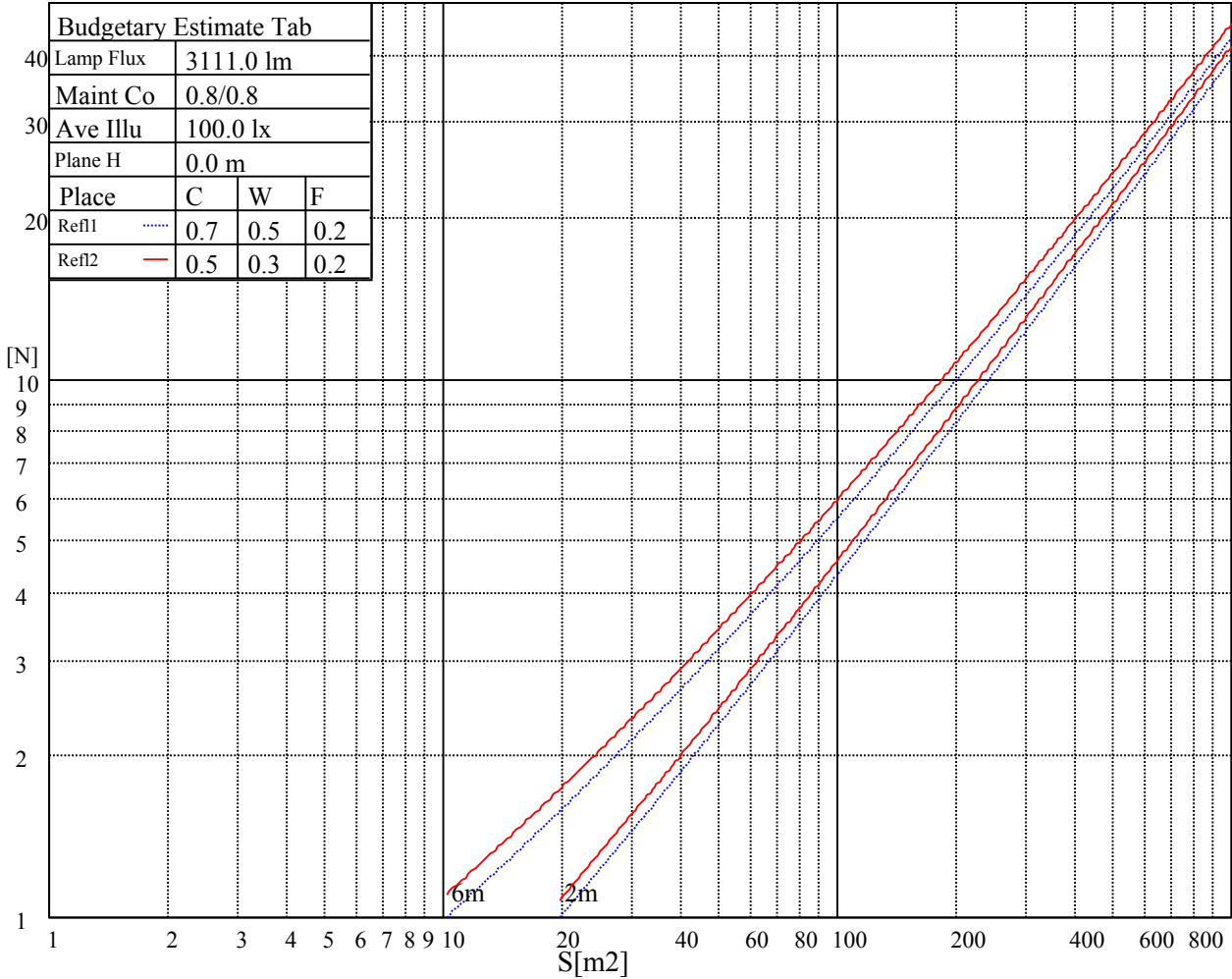
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

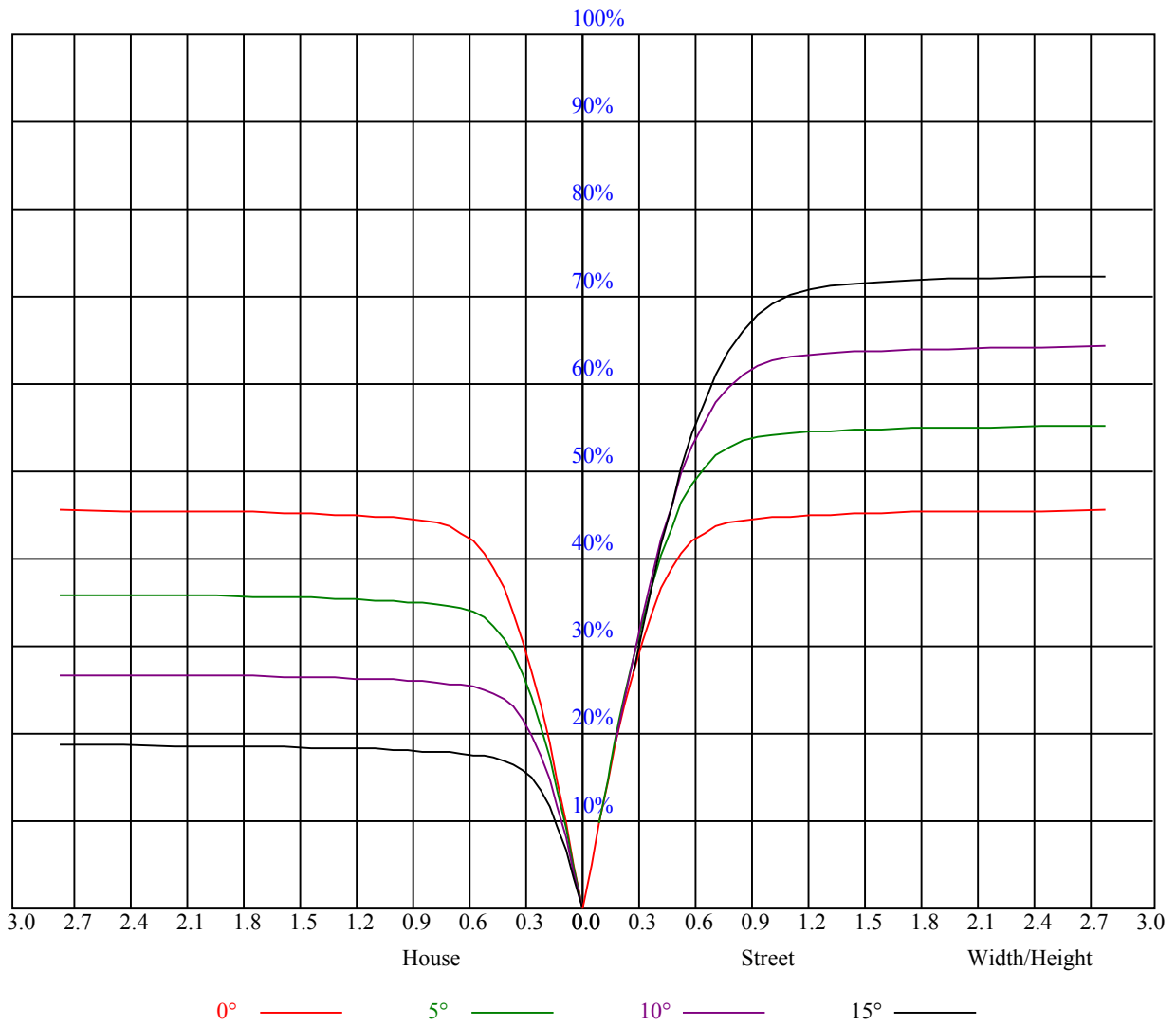


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.97	1.00	0.98	0.96	0.96	0.94	0.93	0.93	0.91	0.90	0.90	0.89	0.88	0.86
2	0.95	0.92	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
5	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.63
7	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
8	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.52	0.59	0.55	0.52	0.51



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	4356.88	4362.42	4356.88	4351.90	4332.53	4302.08	4251.71	4184.18	4098.93
45.0	4362.97	4365.18	4363.52	4364.08	4342.49	4318.69	4286.58	4236.21	4141.00
90.0	4361.86	4347.47	4324.22	4301.53	4274.40	4242.30	4178.09	4108.34	4016.46
135.0	4361.86	4367.95	4351.90	4335.29	4304.30	4275.51	4231.23	4153.73	4068.49
180.0	4356.88	4359.10	4362.97	4350.24	4330.31	4311.49	4287.14	4252.82	4181.96
225.0	4362.97	4361.86	4358.54	4347.47	4341.94	4307.62	4272.19	4227.91	4162.04
270.0	4361.86	4366.29	4354.67	4351.90	4348.58	4349.69	4334.19	4318.13	4268.32
315.0	4361.86	4353.01	4361.31	4363.52	4360.20	4345.26	4314.26	4274.40	4217.39
360.0	4356.88	4362.42	4356.88	4351.90	4332.53	4302.08	4251.71	4184.18	4098.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3983.80	3887.48	3782.87	3683.23	3562.00	3454.06	3345.57	3233.20	3095.93
45.0	4056.31	3936.75	3841.54	3750.76	3633.41	3536.54	3430.26	3320.11	3177.30
90.0	3894.68	3796.15	3703.71	3594.11	3499.45	3399.26	3253.13	3139.66	3028.95
135.0	3973.28	3881.95	3769.58	3681.57	3598.54	3511.63	3392.07	3279.70	3132.46
180.0	4110.00	4033.62	3937.86	3823.27	3736.37	3655.00	3548.17	3451.85	3328.97
225.0	4071.81	3946.71	3857.59	3767.37	3682.68	3584.70	3497.24	3393.18	3281.91
270.0	4212.41	4132.70	4045.24	3927.34	3824.93	3736.92	3652.78	3526.02	3421.41
315.0	4133.81	4028.08	3943.39	3848.74	3754.63	3634.52	3526.58	3388.19	3264.20
360.0	3983.80	3887.48	3782.87	3683.23	3562.00	3454.06	3345.57	3233.20	3095.93
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2981.34	2839.64	2717.31	2573.39	2394.04	2254.55	2121.15	1981.11	1794.56
45.0	3066.59	2958.10	2854.03	2706.79	2575.60	2433.90	2266.18	2133.33	1996.60
90.0	2919.35	2777.64	2660.85	2524.68	2386.29	2214.14	2084.62	1945.68	1762.46
135.0	3024.52	2917.13	2777.09	2655.31	2524.12	2389.06	2224.11	2086.28	1944.57
180.0	3215.49	3107.00	3004.59	2865.10	2750.52	2609.37	2467.11	2293.85	2153.81
225.0	3140.76	3027.29	2907.72	2761.04	2630.96	2490.91	2311.01	2172.08	1993.28
270.0	3304.61	3154.60	3049.43	2933.74	2788.16	2658.63	2504.20	2339.80	2191.45
315.0	3146.85	3002.93	2885.58	2766.02	2635.38	2458.25	2317.66	2181.49	2038.67
360.0	2981.34	2839.64	2717.31	2573.39	2394.04	2254.55	2121.15	1981.11	1794.56
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1641.79	1485.14	1092.79	1092.79	979.37	834.34	669.61	549.72	438.29
45.0	1808.40	1655.07	1460.78	1304.13	1151.35	999.69	817.02	680.85	560.18
90.0	1606.36	1417.61	1066.66	1066.66	961.88	784.25	653.84	537.98	407.35
135.0	1787.92	1591.97	1440.30	1284.76	1095.45	945.99	776.06	652.62	539.14
180.0	2007.68	1855.45	1652.30	1491.78	1288.08	1129.77	974.22	794.88	666.46
225.0	1833.86	1681.64	1518.35	1067.66	1067.66	990.05	839.88	668.95	551.21
270.0	2050.30	1854.90	1702.68	1544.92	1380.52	1172.39	1012.42	853.00	716.28
315.0	1849.92	1697.69	1537.72	1089.86	1089.86	1014.08	865.18	694.47	574.07
360.0	1641.79	1485.14	1092.79	1092.79	979.37	834.34	669.61	549.72	438.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	323.27	251.31	192.80	154.16	135.23	119.90	105.56	95.54	87.02
45.0	448.92	328.80	287.29	287.29	156.43	131.96	117.35	103.07	93.44
90.0	317.07	247.43	193.02	155.60	135.89	120.28	108.16	95.26	86.74
135.0	434.53	321.60	285.07	285.07	162.68	137.28	122.05	109.60	96.54
180.0	550.77	445.04	334.89	295.59	295.59	165.06	140.27	124.43	111.98
225.0	442.28	350.39	255.24	197.00	162.41	138.00	122.61	107.94	97.92
270.0	556.86	445.04	331.01	290.61	290.61	152.11	134.62	119.79	108.33
315.0	437.13	345.85	266.31	203.92	157.20	137.83	121.78	109.60	96.87
360.0	323.27	251.31	192.80	154.16	135.23	119.90	105.56	95.54	87.02

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	79.54	71.57	65.82	60.83	56.63	52.36	49.43	46.16	43.84
45.0	85.02	76.39	70.13	64.38	59.39	54.30	50.98	48.10	45.56
90.0	77.55	71.18	65.37	59.34	55.30	51.92	48.99	45.72	43.40
135.0	88.07	80.71	74.12	66.65	61.61	56.24	52.86	49.87	46.44
180.0	98.86	90.00	82.42	74.12	68.14	61.72	57.40	53.86	50.65
225.0	89.23	81.54	73.23	67.20	62.00	57.57	52.97	49.87	47.11
270.0	95.98	87.57	80.10	73.40	65.93	60.83	56.63	53.08	49.26
315.0	88.23	80.87	74.28	66.98	61.89	56.68	53.19	50.10	46.72
360.0	79.54	71.57	65.82	60.83	56.63	52.36	49.43	46.16	43.84
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.74	39.41	37.70	36.15	34.71	33.10	31.83	30.72	29.67
45.0	42.68	40.63	38.86	36.81	35.32	33.93	32.27	31.11	30.06
90.0	41.24	39.36	37.14	35.59	34.10	32.55	31.27	30.22	29.01
135.0	44.12	41.96	40.02	37.81	36.20	34.71	33.32	31.99	30.50
180.0	47.16	44.67	42.46	40.52	38.30	36.70	35.20	33.82	32.27
225.0	44.01	41.79	39.97	37.81	36.20	34.76	33.10	31.88	30.78
270.0	46.55	43.56	41.46	39.58	37.42	35.87	34.49	33.16	31.66
315.0	44.28	42.12	39.74	38.08	36.53	35.04	33.38	32.16	31.00
360.0	41.74	39.41	37.70	36.15	34.71	33.10	31.83	30.72	29.67
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.45	27.51	26.63	25.63	24.80	23.80	23.14	22.42	21.64
45.0	28.78	27.79	26.96	26.18	25.19	24.36	23.64	22.92	22.09
90.0	27.95	27.07	26.02	25.19	24.41	23.69	22.75	22.03	21.37
135.0	29.39	28.40	27.23	26.40	25.30	24.47	23.69	22.75	22.03
180.0	31.11	29.72	28.73	27.79	26.63	25.74	24.91	24.13	23.19
225.0	29.39	28.40	27.46	26.57	25.46	24.69	23.97	23.19	22.31
270.0	30.56	29.50	28.45	27.29	26.46	25.63	24.63	23.86	23.14
315.0	29.89	28.62	27.68	26.57	25.68	24.91	23.97	23.25	22.47
360.0	28.45	27.51	26.63	25.63	24.80	23.80	23.14	22.42	21.64
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.87	20.20	19.54	18.93	18.16	17.55	16.88	16.33	15.61
45.0	21.42	20.70	19.93	19.26	18.49	17.93	17.27	16.55	16.00
90.0	20.65	19.87	19.26	18.43	17.82	17.21	16.50	15.89	15.33
135.0	21.37	20.65	19.82	19.21	18.54	17.88	17.10	16.55	16.00
180.0	22.42	21.70	20.98	20.15	19.43	18.76	17.99	17.38	16.77
225.0	21.59	20.76	20.09	19.37	18.60	17.99	17.38	16.77	16.05
270.0	22.20	21.53	20.70	19.98	19.32	18.71	17.93	17.33	16.72
315.0	21.81	20.92	20.26	19.54	18.93	18.10	17.49	16.83	16.11
360.0	20.87	20.20	19.54	18.93	18.16	17.55	16.88	16.33	15.61
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.11	14.50	13.95	13.62	13.23	12.90	12.62	12.29	12.07
45.0	15.44	14.78	14.23	13.84	13.40	13.06	12.73	12.40	12.07
90.0	14.72	14.28	13.84	13.40	13.01	12.73	12.40	12.07	12.01
135.0	15.28	14.78	14.12	13.67	13.34	12.95	12.62	12.23	11.96
180.0	16.00	15.50	14.78	14.34	13.84	13.40	13.12	12.68	12.34
225.0	15.55	14.89	14.39	13.95	13.56	13.17	12.84	12.51	12.12
270.0	16.00	15.44	14.89	14.34	13.84	13.40	13.06	12.68	12.40
315.0	15.55	14.95	14.39	13.89	13.45	13.17	12.79	12.51	12.12
360.0	15.11	14.50	13.95	13.62	13.23	12.90	12.62	12.29	12.07

Intensity data(cd)

C/γ(°)	90.0
0.0	12.07
45.0	12.01
90.0	11.96
135.0	11.96
180.0	12.07
225.0	12.07
270.0	12.07
315.0	11.96
360.0	12.07