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NT

Client:

LumCAT: 1-1379-L

Luminaire: 92.70.410.00

Report No: 20231122-B008

Ballast type: AC

Test No: 20231122-C008

Voltage(V): 35.940

LampCAT: LUXEON CoB 1203 LES9

Current(A): 0.379

Lamp flux(lm): 1490.3

Power (W): 13.621

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1354.45, Efficiency(%): 90.88% , Luminous Efficacy(lm/W): 99.44

Central intensity(cd): 3294.923, Maximum intensity(cd): 3295.823

Angle of maximum intensity: C=0.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=36.0

[C90/270]Total=36.0

Field angle(10%Imax): [C0/180]Total=60.0

[C90/270]Total=60.0

Beam angle of C0 plane : 36.05

Aveage BeamAngle(IEC 61341):36.05

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.050%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/22
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	3294.923	0.000	0	0.00%	0.00%
1.0	3295.823	3.154	3.154	0.21%	0.23%
2.0	3287.727	9.449	12.603	0.63%	0.93%
3.0	3271.605	15.688	28.291	1.05%	2.09%
4.0	3246.281	21.817	50.108	1.46%	3.70%
5.0	3201.237	27.737	77.845	1.86%	5.75%
6.0	3143.185	33.342	111.187	2.24%	8.21%
7.0	3069.219	38.560	149.747	2.59%	11.06%
8.0	2986.603	43.340	193.087	2.91%	14.26%
9.0	2888.005	47.611	240.698	3.19%	17.77%
10.0	2779.443	51.288	291.986	3.44%	21.56%
11.0	2673.925	54.490	346.476	3.66%	25.58%
12.0	2542.391	57.022	403.498	3.83%	29.79%
13.0	2402.692	58.686	462.184	3.94%	34.12%
14.0	2259.949	59.681	521.865	4.00%	38.53%
15.0	2114.923	60.060	581.925	4.03%	42.96%
16.0	1960.970	59.723	641.649	4.01%	47.37%
17.0	1798.715	58.548	700.197	3.93%	51.70%
18.0	1652.374	56.901	757.098	3.82%	55.90%
19.0	1463.694	54.213	811.311	3.64%	59.90%
20.0	1351.257	51.521	862.833	3.46%	63.70%
21.0	1158.537	48.193	911.026	3.23%	67.26%
22.0	1062.990	44.643	955.668	3.00%	70.56%
23.0	952.352	42.287	997.956	2.84%	73.68%
24.0	833.888	39.054	1037.009	2.62%	76.56%
25.0	724.876	35.443	1072.452	2.38%	79.18%
26.0	630.996	32.006	1104.458	2.15%	81.54%
27.0	539.455	28.635	1133.093	1.92%	83.66%
28.0	459.463	25.290	1158.384	1.70%	85.52%
29.0	390.139	22.228	1180.612	1.49%	87.17%
30.0	328.205	19.395	1200.007	1.30%	88.60%
31.0	282.110	16.984	1216.991	1.14%	89.85%
32.0	234.125	14.790	1231.78	0.99%	90.94%
33.0	196.754	12.694	1244.474	0.85%	91.88%
34.0	166.552	10.995	1255.469	0.74%	92.69%
35.0	126.379	9.097	1264.566	0.61%	93.36%
36.0	104.452	7.350	1271.916	0.49%	93.91%
37.0	87.044	6.246	1278.162	0.42%	94.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	70.998	5.275	1283.437	0.35%	94.76%
39.0	59.886	4.467	1287.904	0.30%	95.09%
40.0	50.898	3.864	1291.768	0.26%	95.37%
41.0	43.612	3.365	1295.133	0.23%	95.62%
42.0	38.208	2.973	1298.106	0.20%	95.84%
43.0	33.883	2.670	1300.776	0.18%	96.04%
44.0	30.451	2.428	1303.205	0.16%	96.22%
45.0	27.559	2.229	1305.434	0.15%	96.38%
46.0	25.234	2.065	1307.499	0.14%	96.53%
47.0	23.235	1.928	1309.426	0.13%	96.68%
48.0	21.671	1.815	1311.242	0.12%	96.81%
49.0	20.259	1.722	1312.964	0.12%	96.94%
50.0	19.042	1.639	1314.602	0.11%	97.06%
51.0	17.948	1.565	1316.167	0.11%	97.17%
52.0	16.987	1.499	1317.666	0.10%	97.28%
53.0	16.149	1.441	1319.108	0.10%	97.39%
54.0	15.437	1.392	1320.5	0.09%	97.49%
55.0	14.724	1.346	1321.846	0.09%	97.59%
56.0	14.136	1.304	1323.15	0.09%	97.69%
57.0	13.610	1.269	1324.419	0.09%	97.78%
58.0	13.119	1.236	1325.655	0.08%	97.87%
59.0	12.662	1.205	1326.86	0.08%	97.96%
60.0	12.247	1.177	1328.037	0.08%	98.05%
61.0	11.860	1.150	1329.188	0.08%	98.13%
62.0	11.520	1.127	1330.314	0.08%	98.22%
63.0	11.195	1.105	1331.419	0.07%	98.30%
64.0	10.870	1.083	1332.502	0.07%	98.38%
65.0	10.607	1.063	1333.564	0.07%	98.46%
66.0	10.317	1.044	1334.608	0.07%	98.54%
67.0	10.067	1.025	1335.633	0.07%	98.61%
68.0	9.832	1.008	1336.641	0.07%	98.69%
69.0	9.604	0.992	1337.633	0.07%	98.76%
70.0	9.389	0.975	1338.608	0.07%	98.83%
71.0	9.189	0.960	1339.569	0.06%	98.90%
72.0	8.947	0.943	1340.512	0.06%	98.97%
73.0	8.718	0.924	1341.435	0.06%	99.04%
74.0	8.524	0.906	1342.342	0.06%	99.11%
75.0	8.303	0.889	1343.231	0.06%	99.17%

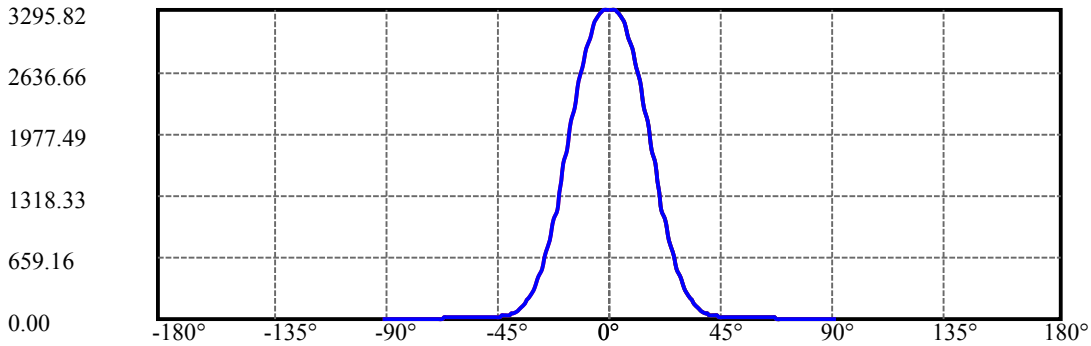
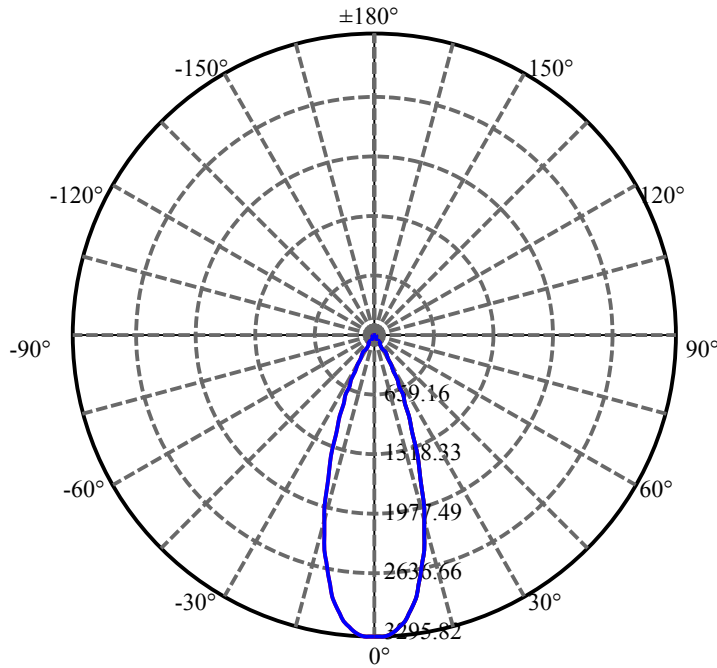
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.089	0.870	1344.101	0.06%	99.24%
77.0	7.867	0.851	1344.952	0.06%	99.30%
78.0	7.660	0.831	1345.783	0.06%	99.36%
79.0	7.473	0.813	1346.596	0.05%	99.42%
80.0	7.265	0.795	1347.391	0.05%	99.48%
81.0	7.092	0.776	1348.167	0.05%	99.54%
82.0	6.933	0.761	1348.928	0.05%	99.59%
83.0	6.753	0.744	1349.672	0.05%	99.65%
84.0	6.608	0.728	1350.399	0.05%	99.70%
85.0	6.421	0.711	1351.111	0.05%	99.75%
86.0	6.262	0.693	1351.804	0.05%	99.80%
87.0	6.137	0.679	1352.482	0.05%	99.85%
88.0	6.006	0.665	1353.148	0.04%	99.90%
89.0	5.916	0.653	1353.801	0.04%	99.95%
90.0	5.895	0.648	1354.449	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1200.01	80.52%	88.60%
0-40	1291.77	86.68%	95.37%
0-60	1328.04	89.11%	98.05%
0-90	1353.80	90.84%	99.95%
0-120	1353.80	90.84%	99.95%
0-180	1354.45	90.88%	100.00%
60-90	25.76	1.73%	1.90%
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%
0-25.35	1083.56	72.71%	80.00%

ZONAL LUMEN SUMMARY

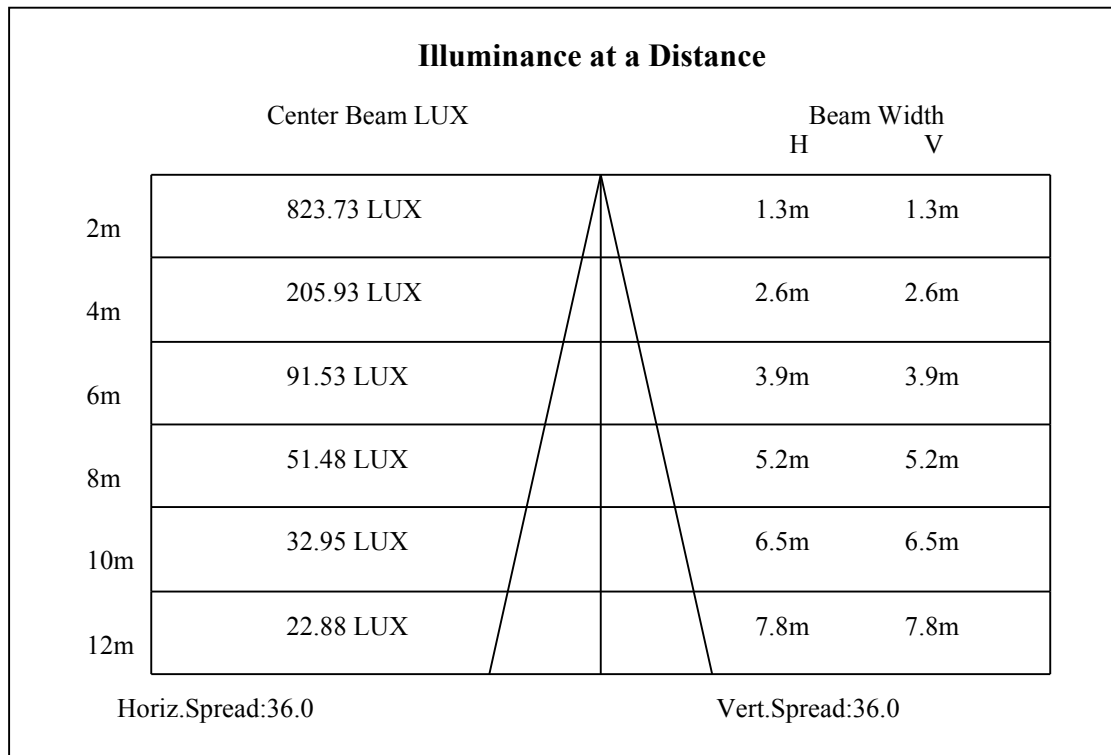
0-10	291.99
10-20	570.85
20-30	337.17
30-40	91.76
40-50	22.83
50-60	13.43
60-70	10.57
70-80	8.78
80-90	6.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

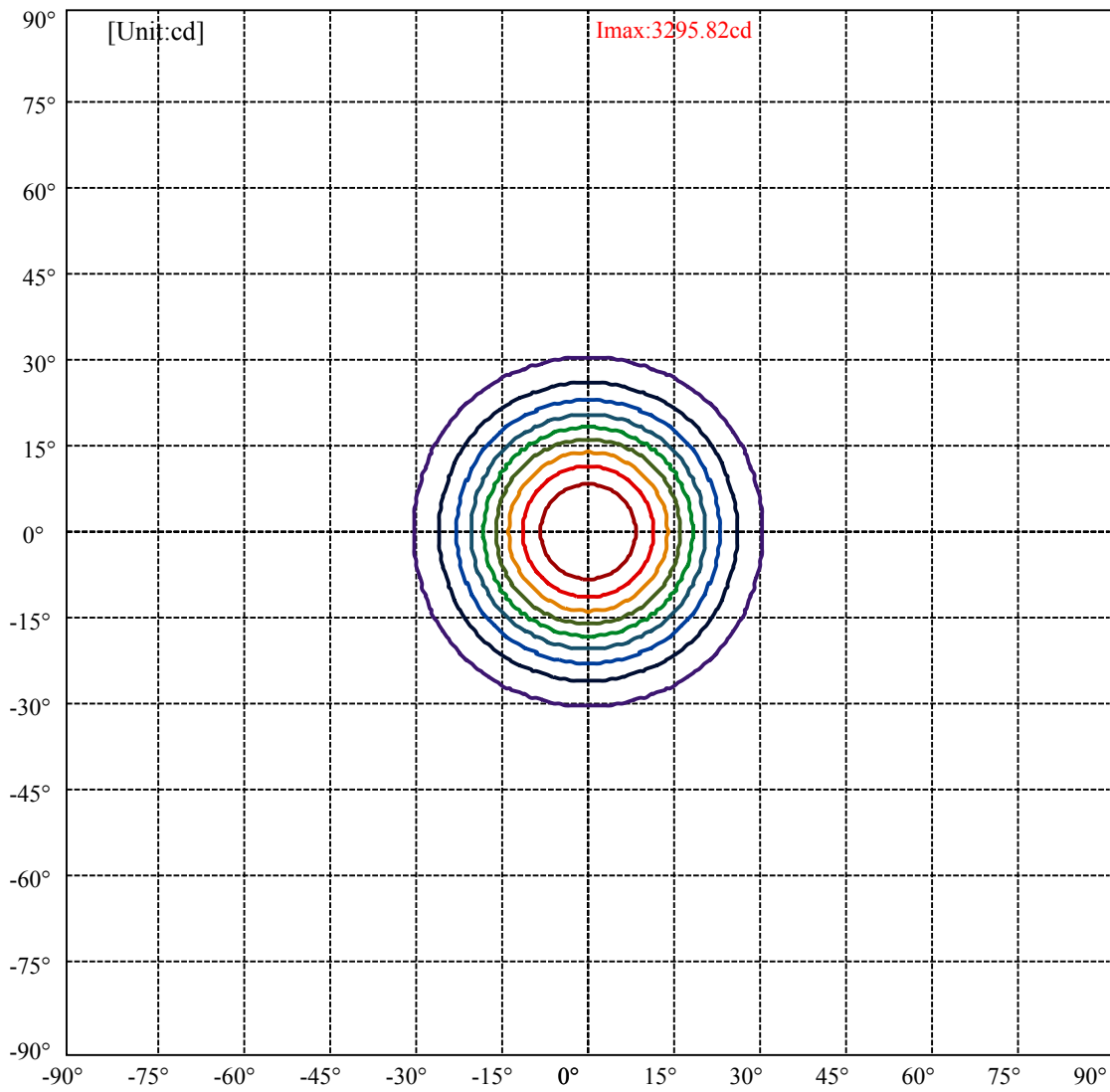


C0(Max): —————
C0/C180: —————
C90/C270: —————

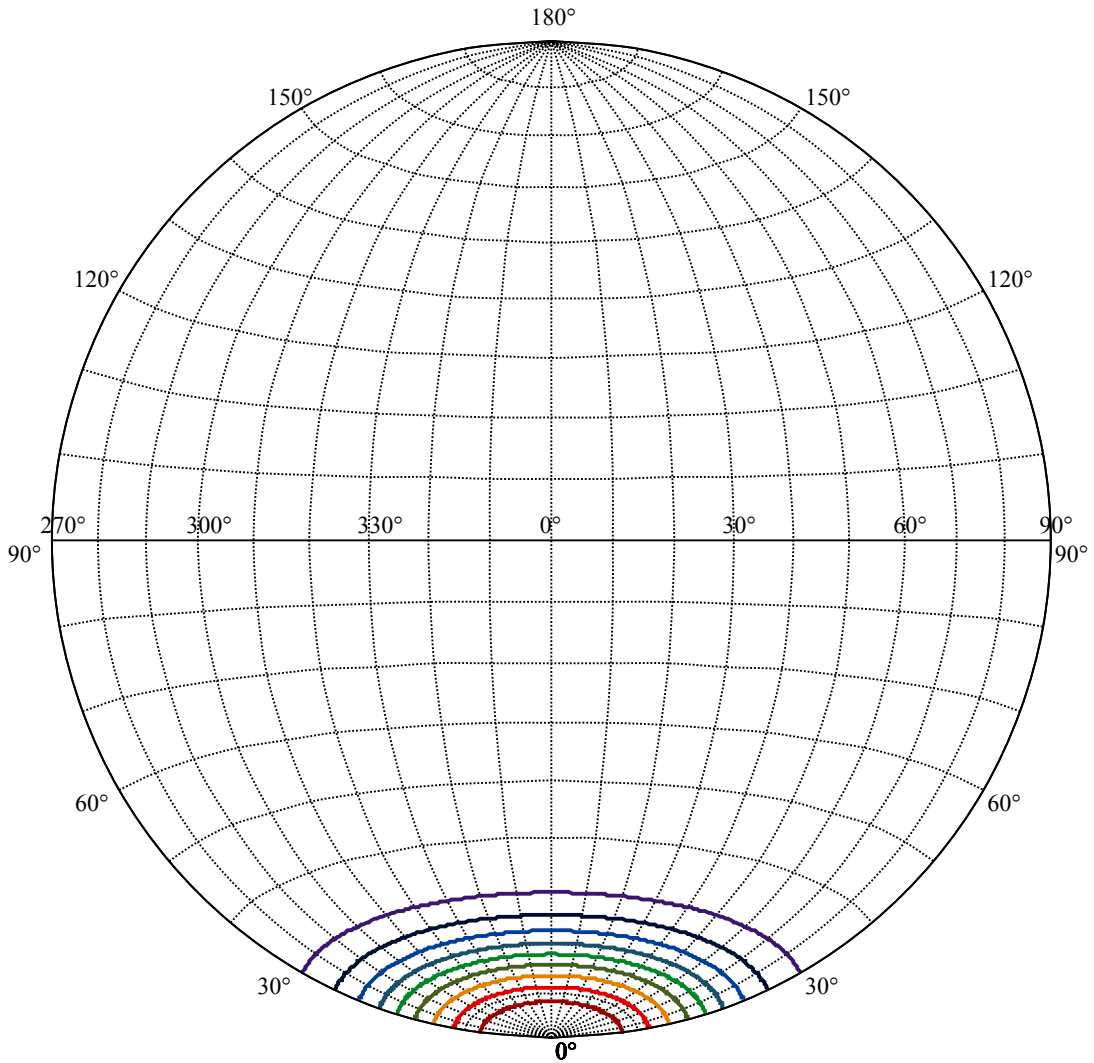
Field angle(10%Imax):C0/180Left:31.0 Right:29.0
:C90/270Left:31.0 Right:29.0

Beam Angle(50%Imax):C0/180Left:19.0 Right:17.0
:C90/270Left:19.0 Right:17.0





(10%Imax) 329.582	—
(20%Imax) 659.164	—
(30%Imax) 988.747	—
(40%Imax) 1318.33	—
(50%Imax) 1647.91	—
(60%Imax) 1977.49	—
(70%Imax) 2307.08	—
(80%Imax) 2636.66	—
(90%Imax) 2966.24	—



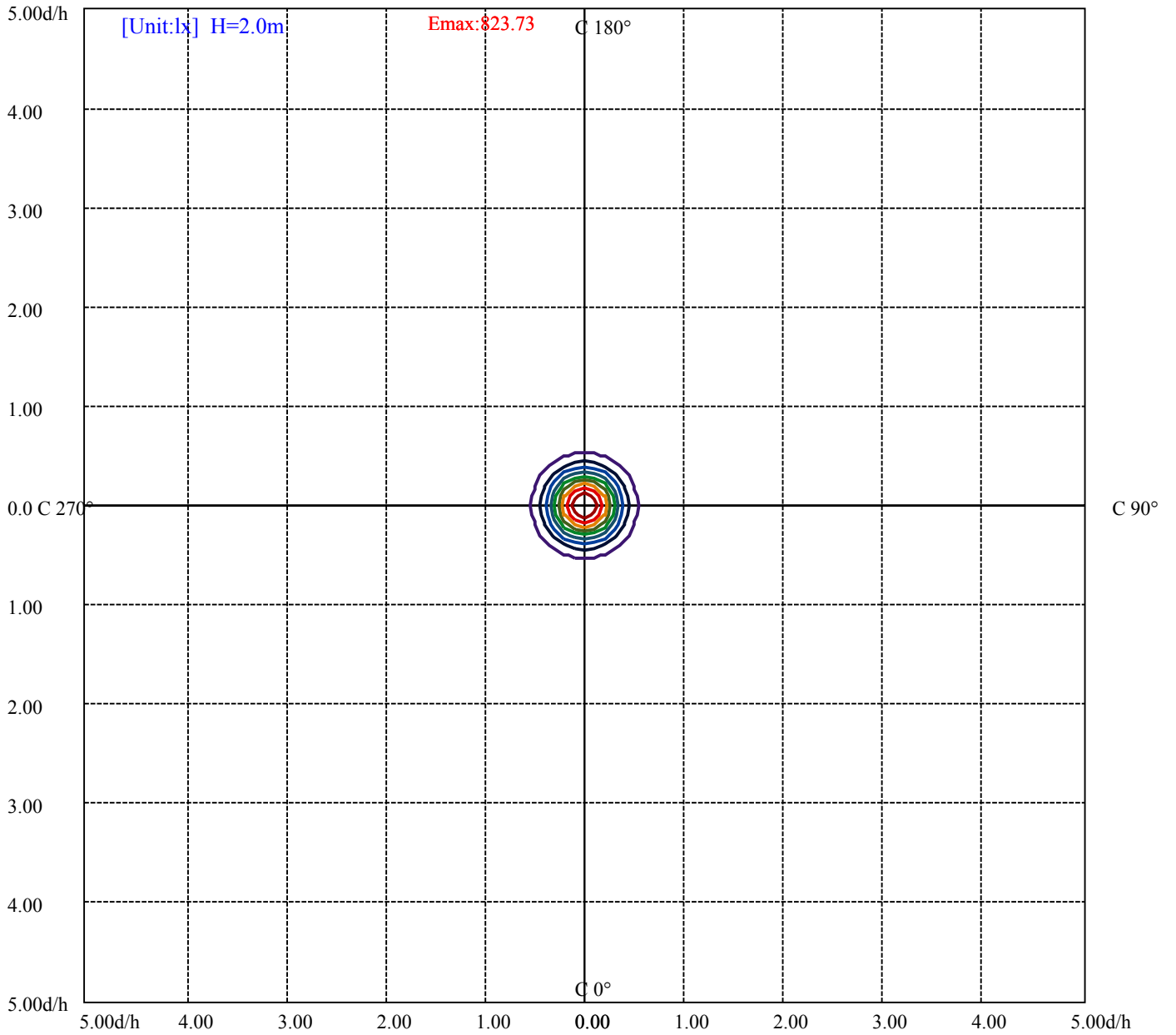
House

[Unit:cd]

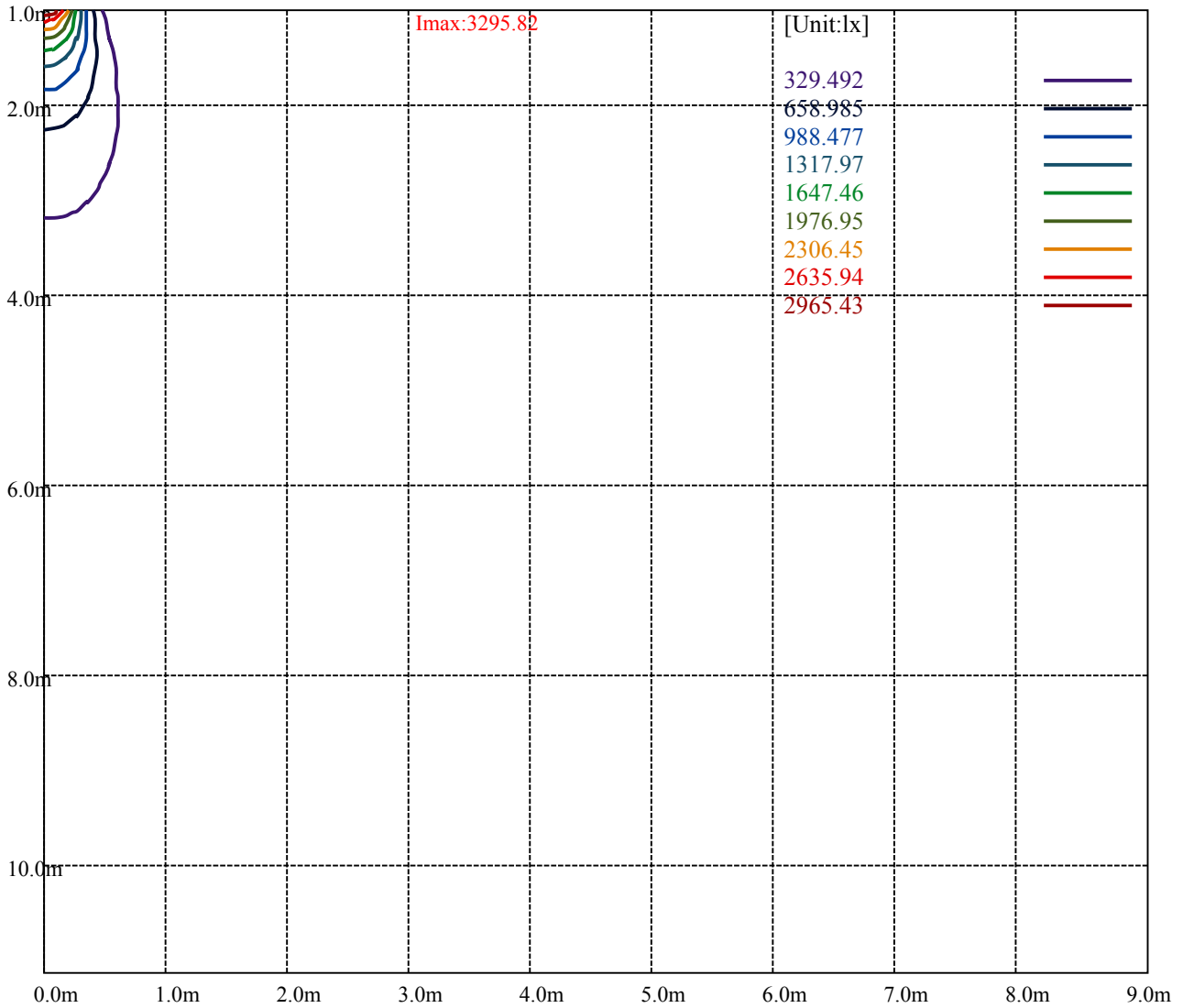
Road

Imax:3295.82

(10%Imax)	329.582	—
(20%Imax)	659.164	—
(30%Imax)	988.747	—
(40%Imax)	1318.33	—
(50%Imax)	1647.91	—
(60%Imax)	1977.49	—
(70%Imax)	2307.08	—
(80%Imax)	2636.66	—
(90%Imax)	2966.24	—



- (10%Emax) 82.373
- (20%Emax) 164.7462
- (30%Emax) 247.1192
- (40%Emax) 329.4925
- (50%Emax) 411.865
- (60%Emax) 494.2375
- (70%Emax) 576.6125
- (80%Emax) 658.985
- (90%Emax) 741.3575



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

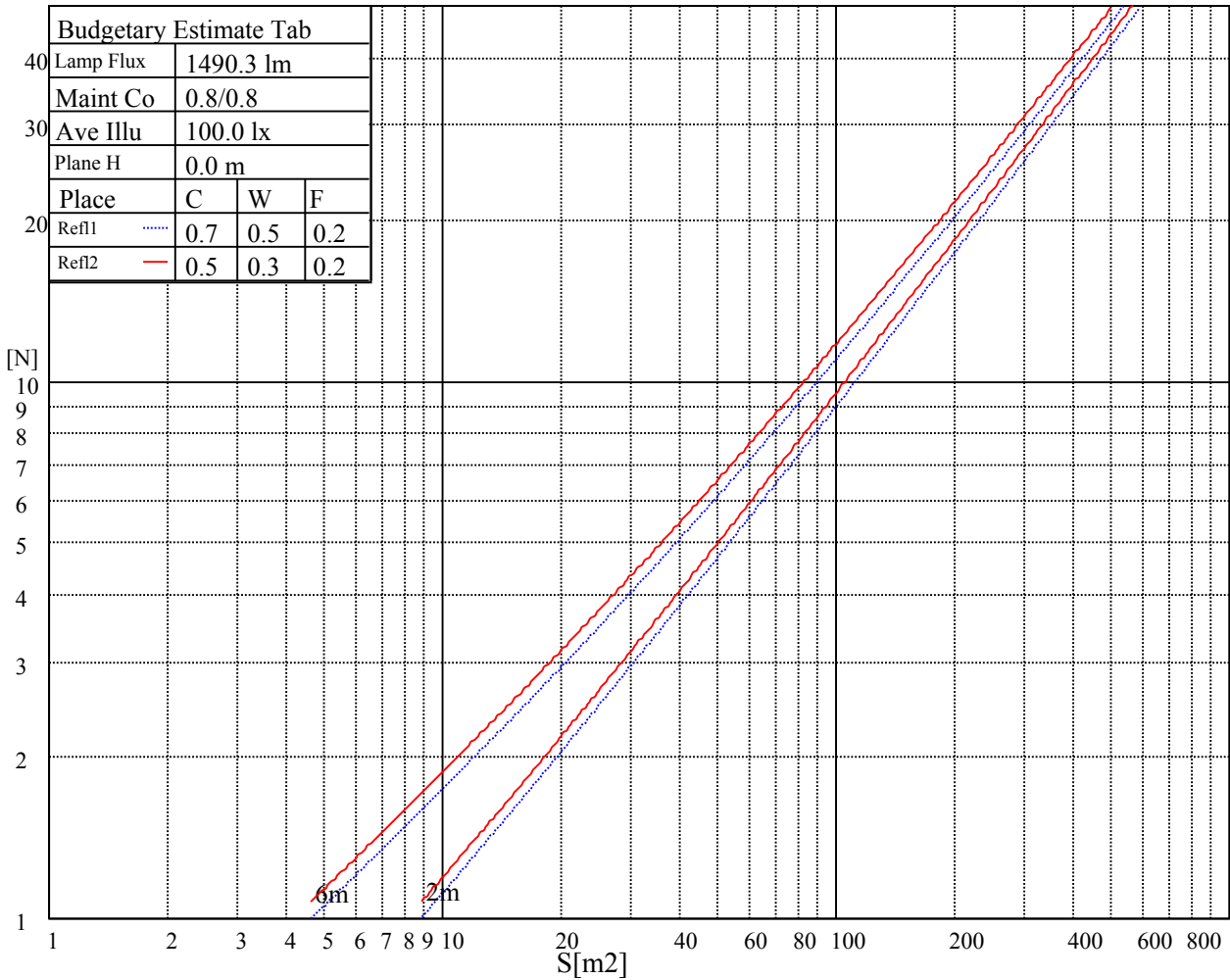
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

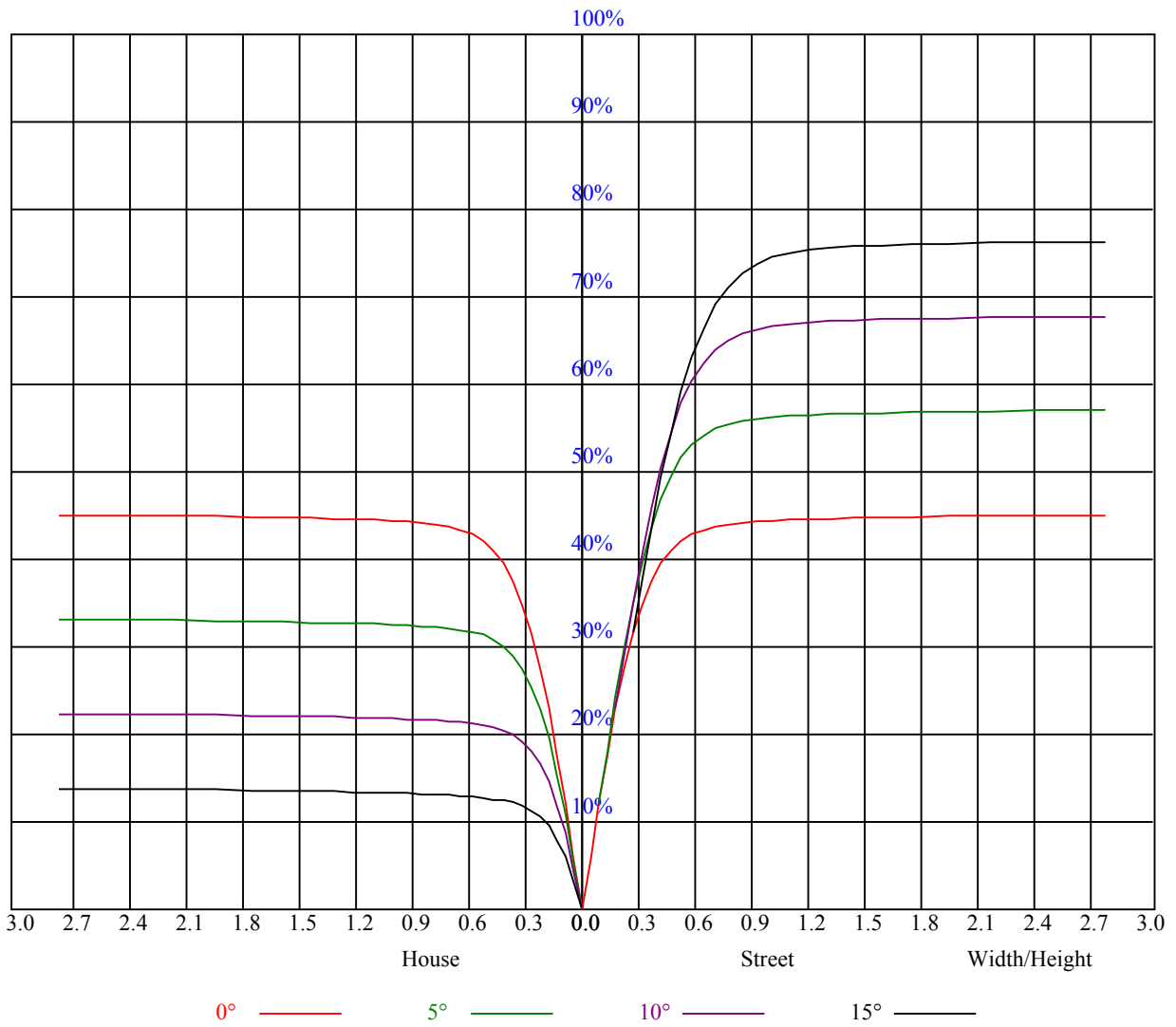


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.90	0.87	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
9	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58



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	3282.47	3279.15	3259.22	3211.62	3159.58	3068.25	2991.86	2904.40	2809.75
45.0	3295.20	3285.24	3286.34	3263.09	3223.24	3170.10	3090.95	2991.86	2899.42
90.0	3289.66	3294.65	3276.93	3243.17	3192.80	3125.82	3033.93	2944.26	2847.39
135.0	3312.36	3309.59	3315.68	3320.11	3300.74	3244.27	3181.17	3117.51	3025.63
180.0	3282.47	3299.63	3301.29	3297.41	3301.29	3300.18	3268.08	3227.67	3173.42
225.0	3295.20	3300.18	3287.45	3276.38	3270.84	3238.74	3203.87	3136.33	3058.29
270.0	3289.66	3299.07	3294.65	3275.83	3265.86	3254.79	3222.69	3174.53	3098.69
315.0	3312.36	3299.07	3280.25	3285.24	3255.90	3207.74	3152.94	3057.18	2980.24
360.0	3282.47	3279.15	3259.22	3211.62	3159.58	3068.25	2991.86	2904.40	2809.75
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2673.03	2559.00	2436.11	2302.16	2126.13	1982.77	1841.06	1693.27	1515.58
45.0	2804.77	2674.13	2558.44	2397.36	2254.55	2108.97	1959.52	1772.98	1628.50
90.0	2743.88	2602.73	2475.41	2298.84	2154.36	2004.91	1816.15	1667.80	1526.65
135.0	2930.42	2805.32	2704.58	2589.99	2423.38	2280.01	2128.90	1975.02	1787.37
180.0	3084.30	3005.15	2919.90	2795.36	2685.20	2530.21	2392.94	2255.66	2077.97
225.0	2973.04	2858.46	2759.38	2649.78	2531.32	2371.35	2240.71	2100.12	1953.98
270.0	3023.41	2952.01	2862.33	2741.11	2633.72	2520.25	2395.15	2220.79	2080.19
315.0	2871.19	2778.75	2675.24	2564.53	2412.86	2281.12	2144.95	2002.14	1819.47
360.0	2673.03	2559.00	2436.11	2302.16	2126.13	1982.77	1841.06	1693.27	1515.58
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1378.30	1082.55	1082.55	964.37	853.17	724.80	632.30	551.93	465.58
45.0	1489.57	1351.18	1185.67	1065.00	948.76	842.48	716.83	628.26	526.97
90.0	1390.48	1092.35	1092.35	975.55	862.63	735.21	643.37	561.67	488.11
135.0	1639.02	1495.10	1351.18	1180.69	1060.57	944.89	831.96	705.20	613.87
180.0	1932.39	1779.62	1622.97	1435.32	1304.13	1174.05	1053.93	907.25	805.95
225.0	1765.23	1613.00	1466.32	1103.03	1103.03	1044.19	933.15	801.58	704.04
270.0	1944.57	1756.37	1605.81	1464.66	1291.95	1164.09	1010.76	896.73	791.00
315.0	1679.43	1539.38	1403.21	1079.67	1079.67	989.11	848.79	746.39	652.45
360.0	1378.30	1082.55	1082.55	964.37	853.17	724.80	632.30	551.93	465.58
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	400.32	343.08	291.93	235.97	197.94	165.12	136.94	108.77	90.72
45.0	456.11	391.90	322.16	285.07	285.07	191.08	152.83	127.31	106.33
90.0	401.87	341.53	276.82	232.54	194.90	155.27	128.86	106.94	85.24
135.0	513.13	442.28	377.51	307.77	282.30	282.30	178.29	141.48	117.52
180.0	710.19	595.60	514.23	440.06	358.14	302.23	289.50	232.37	167.89
225.0	594.11	511.02	435.96	368.99	299.96	252.02	212.17	178.35	143.59
270.0	694.13	581.21	502.61	430.10	365.33	296.14	283.41	283.41	171.98
315.0	545.79	469.07	399.87	325.15	273.23	228.83	192.02	153.77	127.76
360.0	400.32	343.08	291.93	235.97	197.94	165.12	136.94	108.77	90.72
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	72.90	61.55	52.42	44.01	38.91	34.87	30.89	28.34	26.13
45.0	89.01	71.68	60.45	51.59	43.40	38.47	34.60	30.56	27.90
90.0	71.74	60.67	51.64	43.34	38.42	34.43	31.22	27.79	25.57
135.0	97.31	80.87	64.76	54.52	46.39	39.25	34.98	31.61	28.12
180.0	140.43	116.96	93.33	78.27	65.82	55.91	46.28	40.52	36.15
225.0	120.50	101.63	83.09	70.96	61.00	51.42	45.39	40.35	34.98
270.0	137.50	114.75	91.55	76.83	64.65	52.59	45.17	39.52	35.26
315.0	106.22	88.23	70.74	59.56	48.60	41.96	37.14	32.38	29.50
360.0	72.90	61.55	52.42	44.01	38.91	34.87	30.89	28.34	26.13

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	24.19	22.14	20.76	19.54	18.43	17.33	16.44	15.61	14.95
45.0	25.24	23.47	21.86	20.48	18.93	17.93	17.05	16.22	15.33
90.0	23.75	21.75	20.43	18.99	17.99	17.05	16.33	15.39	14.78
135.0	25.91	24.02	22.09	20.70	19.48	18.49	17.33	16.50	15.78
180.0	31.72	28.67	25.57	23.75	22.14	20.76	19.32	18.32	17.38
225.0	31.50	28.78	26.07	24.24	22.64	21.20	19.65	18.60	17.55
270.0	31.11	28.45	26.13	24.19	22.25	20.81	19.65	18.32	17.44
315.0	27.07	24.58	22.97	21.48	20.20	18.76	17.82	16.94	16.00
360.0	24.19	22.14	20.76	19.54	18.43	17.33	16.44	15.61	14.95
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.39	13.73	13.23	12.84	12.45	12.01	11.68	11.35	11.07
45.0	14.72	14.17	13.67	13.12	12.68	12.23	11.90	11.57	11.13
90.0	14.23	13.73	13.12	12.70	12.34	11.96	11.57	11.24	10.90
135.0	15.00	14.45	13.89	13.40	12.84	12.45	12.01	11.68	11.35
180.0	16.61	15.67	15.06	14.50	13.95	13.40	12.95	12.45	12.12
225.0	16.72	15.72	15.11	14.39	13.84	13.34	12.84	12.40	12.07
270.0	16.61	15.67	15.00	14.39	13.78	13.28	12.84	12.40	12.01
315.0	15.22	14.67	14.00	13.51	13.06	12.62	12.18	11.79	11.51
360.0	14.39	13.73	13.23	12.84	12.45	12.01	11.68	11.35	11.07
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.74	10.46	10.24	9.96	9.74	9.58	9.35	9.13	8.91
45.0	10.85	10.63	10.41	10.07	9.91	9.63	9.47	9.19	9.02
90.0	10.63	10.41	10.07	9.85	9.63	9.41	9.19	9.02	8.80
135.0	10.96	10.68	10.46	10.19	9.91	9.69	9.47	9.24	9.08
180.0	11.79	11.40	11.07	10.79	10.46	10.24	10.02	9.80	9.58
225.0	11.73	11.29	11.02	10.74	10.46	10.19	9.91	9.69	9.47
270.0	11.68	11.35	11.07	10.68	10.46	10.13	9.91	9.69	9.47
315.0	11.18	10.74	10.52	10.24	9.96	9.80	9.52	9.35	9.19
360.0	10.74	10.46	10.24	9.96	9.74	9.58	9.35	9.13	8.91
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.64	8.41	8.25	8.03	7.80	7.58	7.42	7.25	7.03
45.0	8.80	8.52	8.36	8.14	7.92	7.69	7.53	7.31	7.20
90.0	8.52	8.30	8.14	7.97	7.69	7.53	7.31	7.14	6.92
135.0	8.86	8.64	8.36	8.19	7.97	7.75	7.53	7.36	7.14
180.0	9.35	9.13	8.97	8.64	8.41	8.25	8.03	7.75	7.53
225.0	9.24	8.97	8.80	8.58	8.36	8.08	7.86	7.69	7.47
270.0	9.24	9.08	8.80	8.58	8.41	8.19	7.97	7.80	7.58
315.0	8.91	8.69	8.52	8.30	8.14	7.86	7.64	7.47	7.25
360.0	8.64	8.41	8.25	8.03	7.80	7.58	7.42	7.25	7.03
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.92	6.75	6.53	6.42	6.25	6.09	6.03	5.87	5.87
45.0	6.97	6.81	6.64	6.53	6.37	6.20	6.03	5.92	5.87
90.0	6.81	6.64	6.48	6.37	6.09	5.98	5.92	5.81	5.81
135.0	6.97	6.81	6.64	6.48	6.31	6.14	6.03	5.98	5.76
180.0	7.36	7.25	7.03	6.86	6.70	6.53	6.37	6.20	6.09
225.0	7.25	7.09	6.97	6.75	6.59	6.42	6.31	6.14	6.03
270.0	7.36	7.20	6.97	6.86	6.64	6.48	6.31	6.14	6.03
315.0	7.09	6.92	6.75	6.59	6.42	6.25	6.09	5.98	5.87
360.0	6.92	6.75	6.53	6.42	6.25	6.09	6.03	5.87	5.87

Intensity data(cd)

C/γ(°)	90.0
0.0	5.92
45.0	5.87
90.0	5.87
135.0	5.81
180.0	5.98
225.0	5.92
270.0	6.03
315.0	5.76
360.0	5.92