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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.411.00

Report No: 2024407-B008

Ballast type: AC

Test No: 2024407-C008

Voltage(V): 34.450

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3484.0

Power (W): 19.912

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2947.25, Efficiency(%): 84.59% , Luminous Efficacy(lm/W): 148.01

Central intensity(cd): 10293.290, Maximum intensity(cd): 10293.290

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.0

[C90/270]Total=24.0

Field angle(10%Imax): [C0/180]Total=59.2

[C90/270]Total=59.2

Maximum s/h(1/2): C0_180=0.40 C90_270=0.40

Maximum s/h(1/4): C0_180=0.45 C90_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.59%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.964%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10293.288	0.000	0	0.00%	0.00%
1.0	10263.369	9.836	9.836	0.28%	0.33%
2.0	10152.761	29.303	39.139	0.84%	1.33%
3.0	9952.980	48.086	87.225	1.38%	2.96%
4.0	9644.201	65.598	152.824	1.88%	5.19%
5.0	9171.632	80.945	233.768	2.32%	7.93%
6.0	8654.220	93.680	327.448	2.69%	11.11%
7.0	8067.824	103.793	431.241	2.98%	14.63%
8.0	7443.316	111.010	542.252	3.19%	18.40%
9.0	6822.100	115.613	657.865	3.32%	22.32%
10.0	6219.098	118.018	775.883	3.39%	26.33%
11.0	5678.277	118.879	894.762	3.41%	30.36%
12.0	5123.191	118.076	1012.838	3.39%	34.37%
13.0	4640.234	115.867	1128.705	3.33%	38.30%
14.0	4184.198	112.952	1241.657	3.24%	42.13%
15.0	3801.753	109.635	1351.292	3.15%	45.85%
16.0	3437.524	106.076	1457.367	3.04%	49.45%
17.0	3121.576	102.143	1559.51	2.93%	52.91%
18.0	2830.865	98.143	1657.653	2.82%	56.24%
19.0	2598.896	94.467	1752.12	2.71%	59.45%
20.0	2371.024	90.963	1843.083	2.61%	62.54%
21.0	2173.657	87.267	1930.35	2.50%	65.50%
22.0	1986.532	83.601	2013.951	2.40%	68.33%
23.0	1818.865	79.847	2093.798	2.29%	71.04%
24.0	1658.367	76.025	2169.823	2.18%	73.62%
25.0	1505.916	71.949	2241.772	2.07%	76.06%
26.0	1342.755	67.243	2309.015	1.93%	78.34%
27.0	1235.242	63.071	2372.087	1.81%	80.48%
28.0	1175.637	61.038	2433.125	1.75%	82.56%
29.0	1090.662	59.293	2492.418	1.70%	84.57%
30.0	983.573	56.004	2548.422	1.61%	86.47%
31.0	862.461	51.372	2599.794	1.47%	88.21%
32.0	735.299	45.774	2645.568	1.31%	89.76%
33.0	597.537	39.266	2684.834	1.13%	91.10%
34.0	464.786	32.149	2716.983	0.92%	92.19%
35.0	343.344	25.098	2742.08	0.72%	93.04%
36.0	255.948	19.082	2761.162	0.55%	93.69%
37.0	206.665	15.088	2776.25	0.43%	94.20%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	137.799	11.498	2787.747	0.33%	94.59%
39.0	103.307	8.230	2795.977	0.24%	94.87%
40.0	94.265	6.891	2802.868	0.20%	95.10%
41.0	86.504	6.437	2809.305	0.18%	95.32%
42.0	79.218	6.021	2815.326	0.17%	95.52%
43.0	72.787	5.631	2820.956	0.16%	95.71%
44.0	67.257	5.286	2826.242	0.15%	95.89%
45.0	62.297	4.979	2831.221	0.14%	96.06%
46.0	57.711	4.693	2835.914	0.13%	96.22%
47.0	53.848	4.437	2840.351	0.13%	96.37%
48.0	50.659	4.225	2844.576	0.12%	96.52%
49.0	47.769	4.042	2848.618	0.12%	96.65%
50.0	45.333	3.882	2852.5	0.11%	96.79%
51.0	43.263	3.748	2856.248	0.11%	96.91%
52.0	41.683	3.645	2859.893	0.10%	97.04%
53.0	40.329	3.568	2863.461	0.10%	97.16%
54.0	39.283	3.509	2866.97	0.10%	97.28%
55.0	38.398	3.468	2870.437	0.10%	97.39%
56.0	37.718	3.439	2873.877	0.10%	97.51%
57.0	37.015	3.417	2877.294	0.10%	97.63%
58.0	36.182	3.385	2880.678	0.10%	97.74%
59.0	34.909	3.324	2884.002	0.10%	97.85%
60.0	33.577	3.236	2887.237	0.09%	97.96%
61.0	32.107	3.135	2890.372	0.09%	98.07%
62.0	30.468	3.015	2893.387	0.09%	98.17%
63.0	28.991	2.892	2896.279	0.08%	98.27%
64.0	27.418	2.768	2899.047	0.08%	98.36%
65.0	26.013	2.644	2901.691	0.08%	98.45%
66.0	24.594	2.525	2904.216	0.07%	98.54%
67.0	23.336	2.410	2906.626	0.07%	98.62%
68.0	22.224	2.308	2908.934	0.07%	98.70%
69.0	21.258	2.218	2911.152	0.06%	98.78%
70.0	20.476	2.143	2913.296	0.06%	98.85%
71.0	19.795	2.081	2915.377	0.06%	98.92%
72.0	19.188	2.027	2917.404	0.06%	98.99%
73.0	18.661	1.979	2919.383	0.06%	99.05%
74.0	18.179	1.937	2921.32	0.06%	99.12%
75.0	17.718	1.897	2923.217	0.05%	99.18%

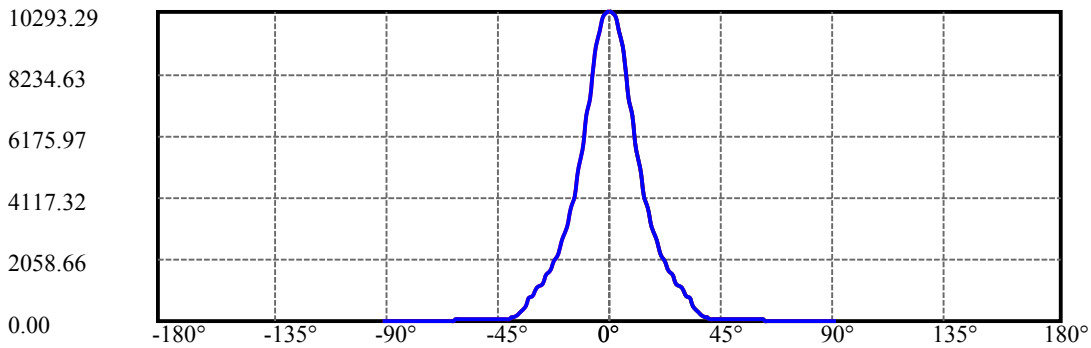
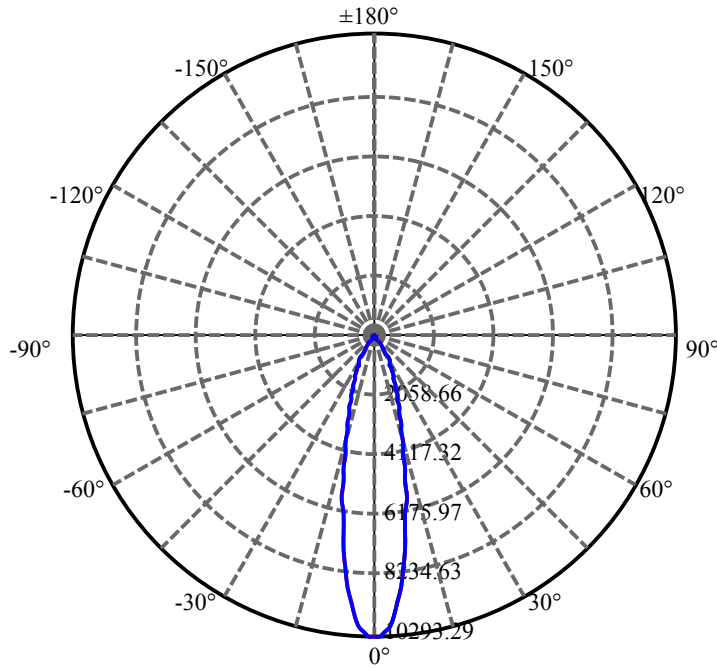
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.257	1.857	2925.073	0.05%	99.25%
77.0	16.825	1.817	2926.891	0.05%	99.31%
78.0	16.408	1.779	2928.67	0.05%	99.37%
79.0	15.991	1.741	2930.41	0.05%	99.43%
80.0	15.582	1.702	2932.113	0.05%	99.49%
81.0	15.194	1.664	2933.777	0.05%	99.54%
82.0	14.792	1.626	2935.403	0.05%	99.60%
83.0	14.397	1.587	2936.99	0.05%	99.65%
84.0	14.097	1.552	2938.542	0.04%	99.70%
85.0	13.775	1.521	2940.063	0.04%	99.76%
86.0	13.482	1.490	2941.553	0.04%	99.81%
87.0	13.190	1.460	2943.013	0.04%	99.86%
88.0	12.933	1.431	2944.444	0.04%	99.90%
89.0	12.751	1.408	2945.851	0.04%	99.95%
90.0	12.692	1.395	2947.246	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2548.42	73.15%	86.47%
0-40	2802.87	80.45%	95.10%
0-60	2887.24	82.87%	97.96%
0-90	2945.85	84.55%	99.95%
0-120	2945.85	84.55%	99.95%
0-180	2947.25	84.59%	100.00%
60-90	58.61	1.68%	1.99%
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%
0-26.77	2357.80	67.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	775.88
10-20	1067.20
20-30	705.34
30-40	254.45
40-50	49.63
50-60	34.74
60-70	26.06
70-80	18.82
80-90	13.74
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



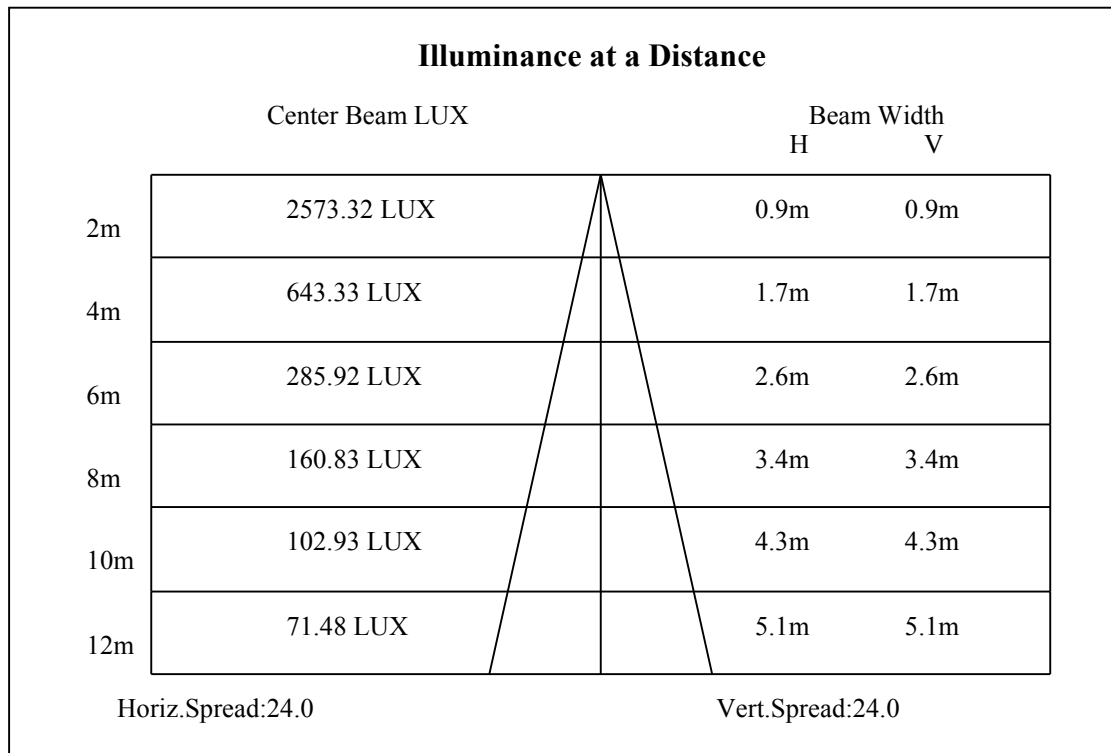
C0(Max): ———

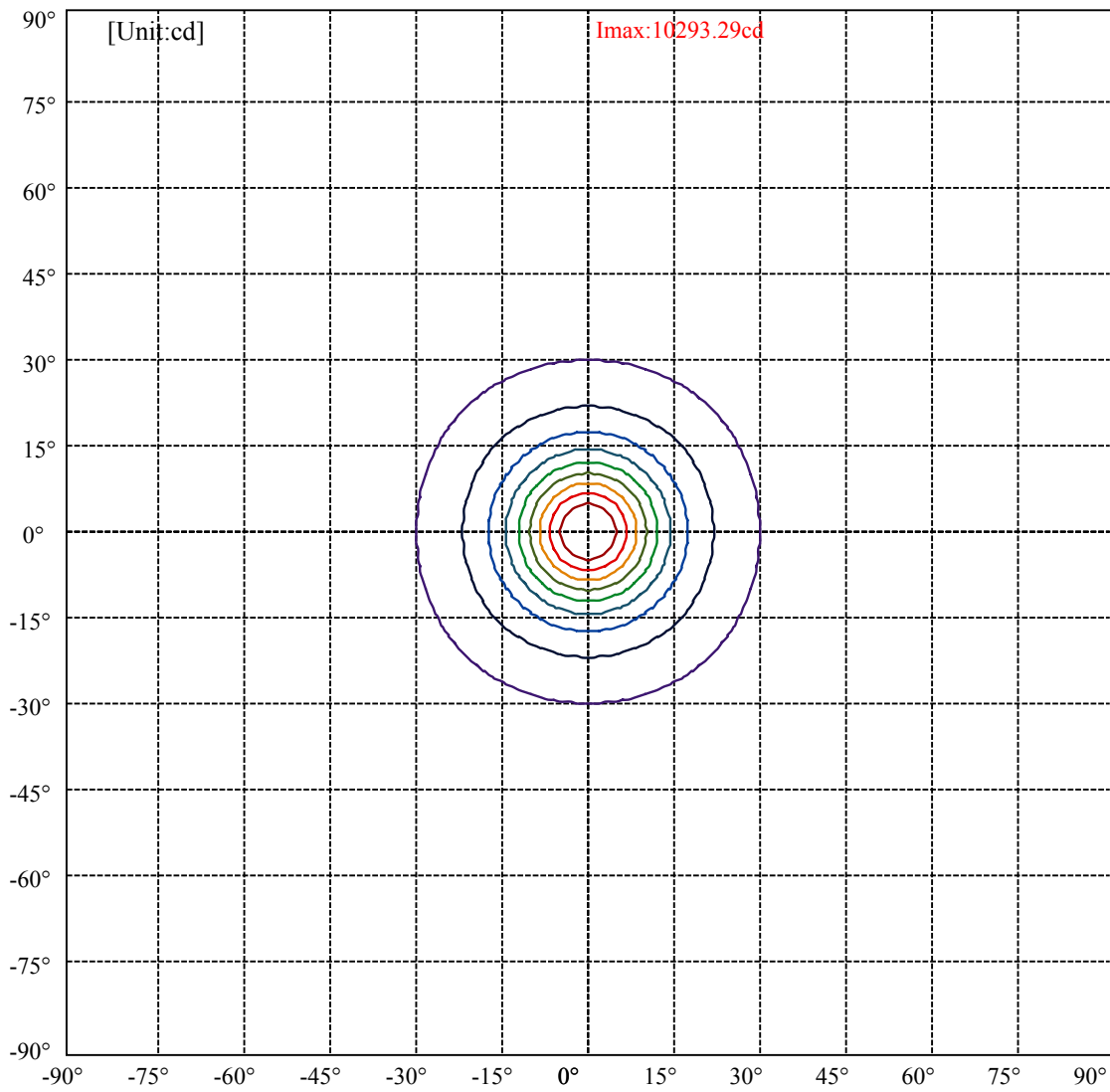
C0/C180: ———

C90/C270: ———

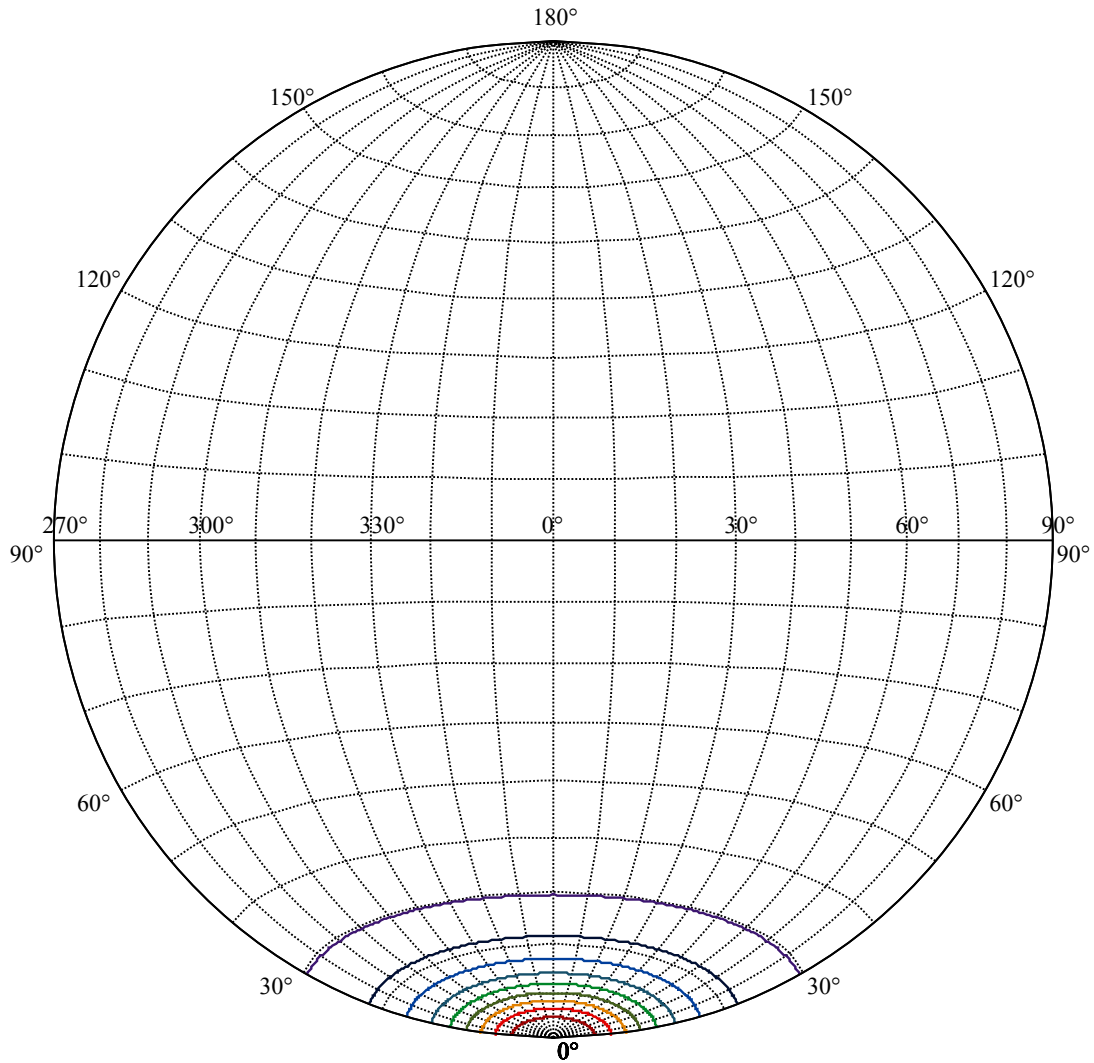
Field angle(10%Imax):C0/180Left:29.6 Right:29.6
:C90/270Left:29.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:12.0 Right:12.0
:C90/270Left:12.0 Right:12.0





(10%Imax) 1029.33	—
(20%Imax) 2058.66	—
(30%Imax) 3087.99	—
(40%Imax) 4117.32	—
(50%Imax) 5146.64	—
(60%Imax) 6175.97	—
(70%Imax) 7205.3	—
(80%Imax) 8234.63	—
(90%Imax) 9263.96	—



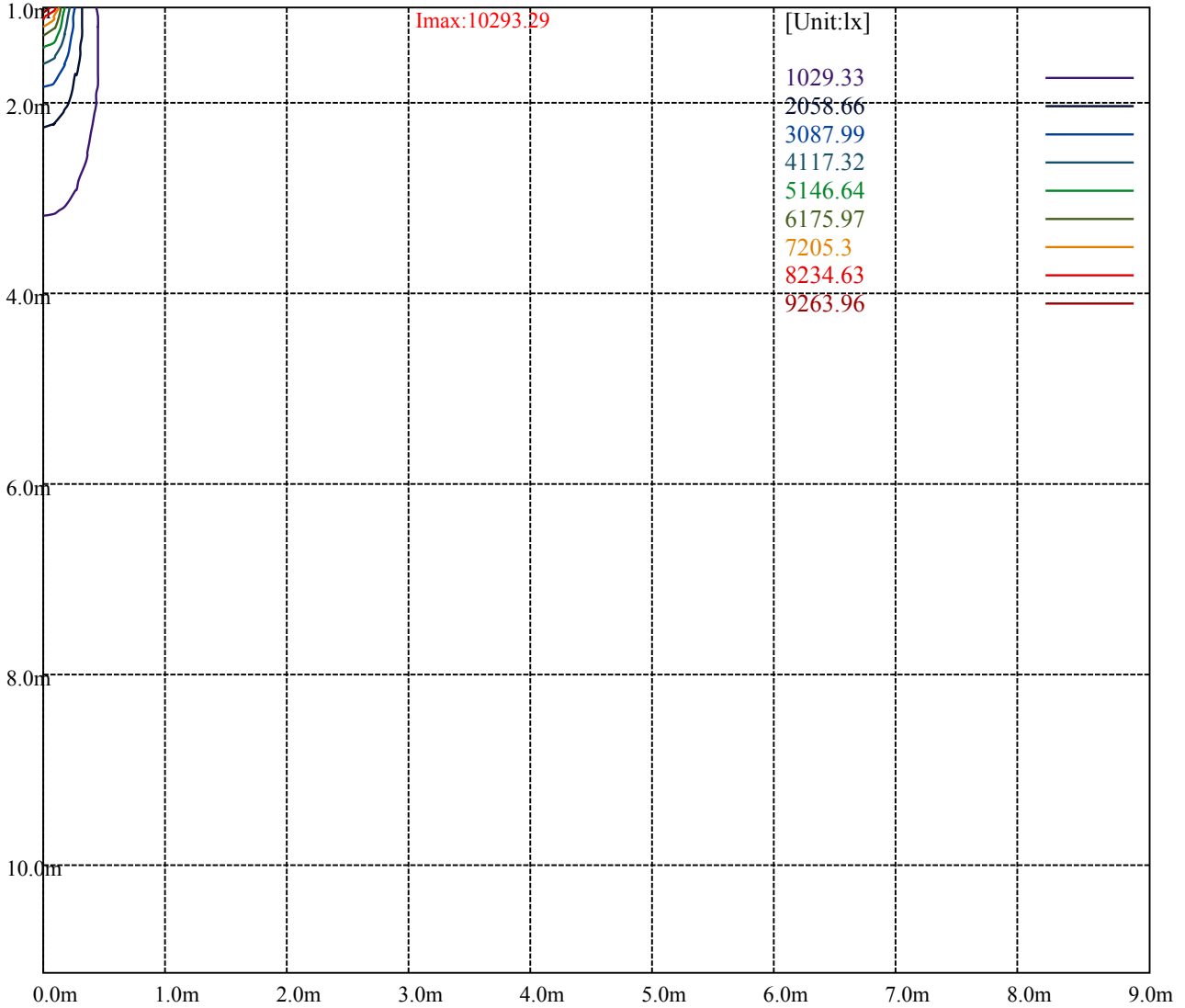
House

[Unit:cd]

Road

Imax:10293.29

(10%Imax) 1029.33	—
(20%Imax) 2058.66	—
(30%Imax) 3087.99	—
(40%Imax) 4117.32	—
(50%Imax) 5146.64	—
(60%Imax) 6175.97	—
(70%Imax) 7205.3	—
(80%Imax) 8234.63	—
(90%Imax) 9263.96	—



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

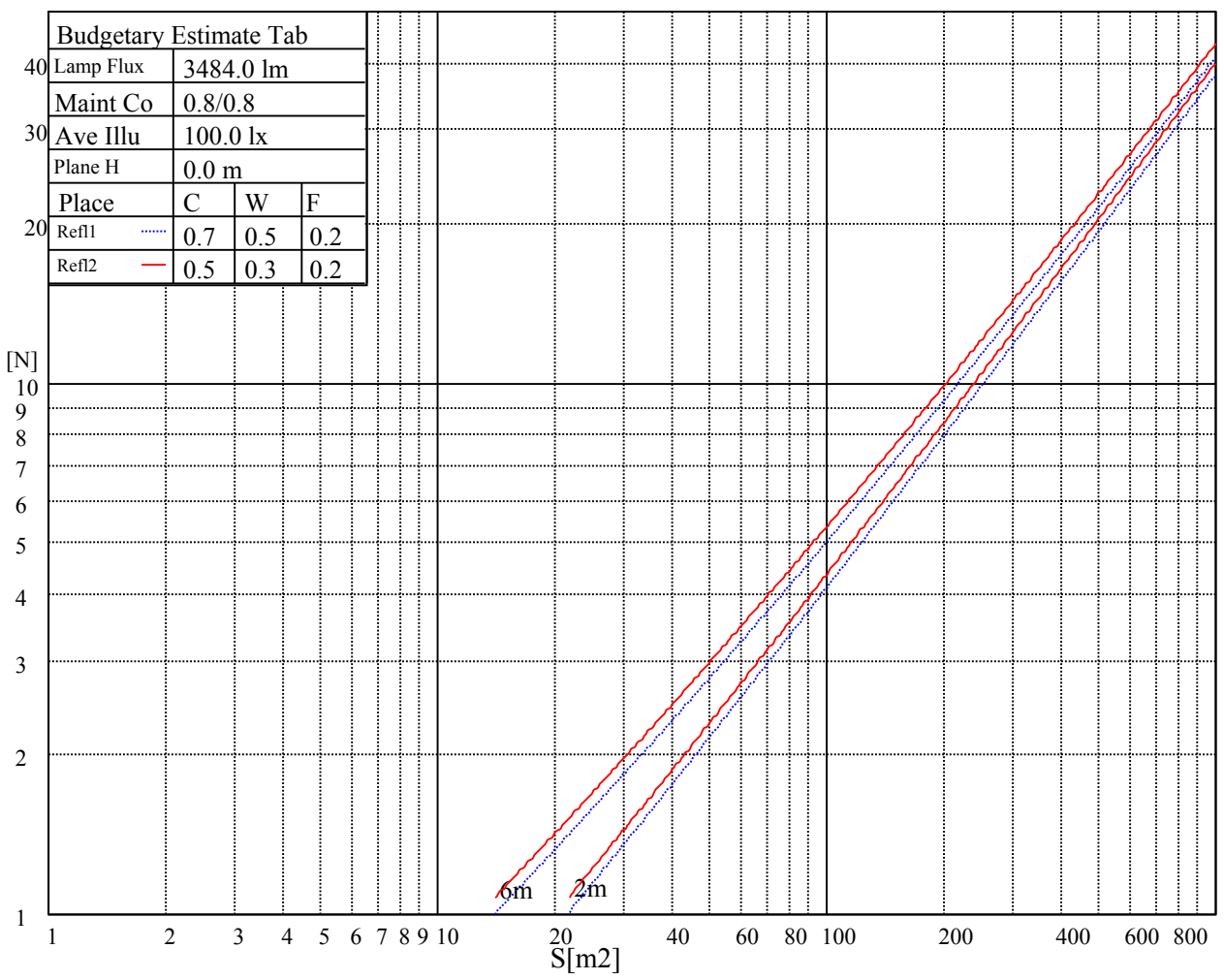
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

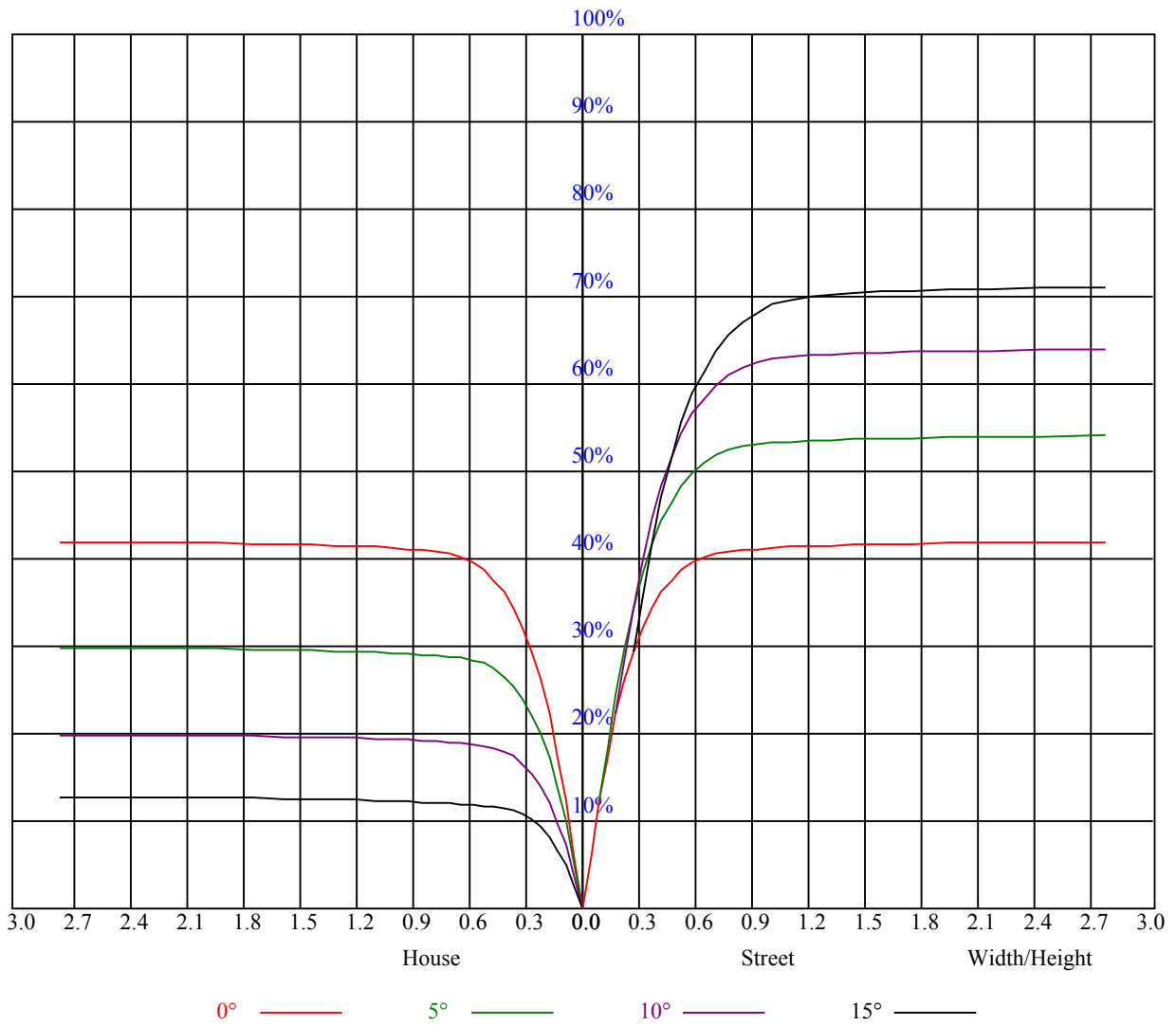


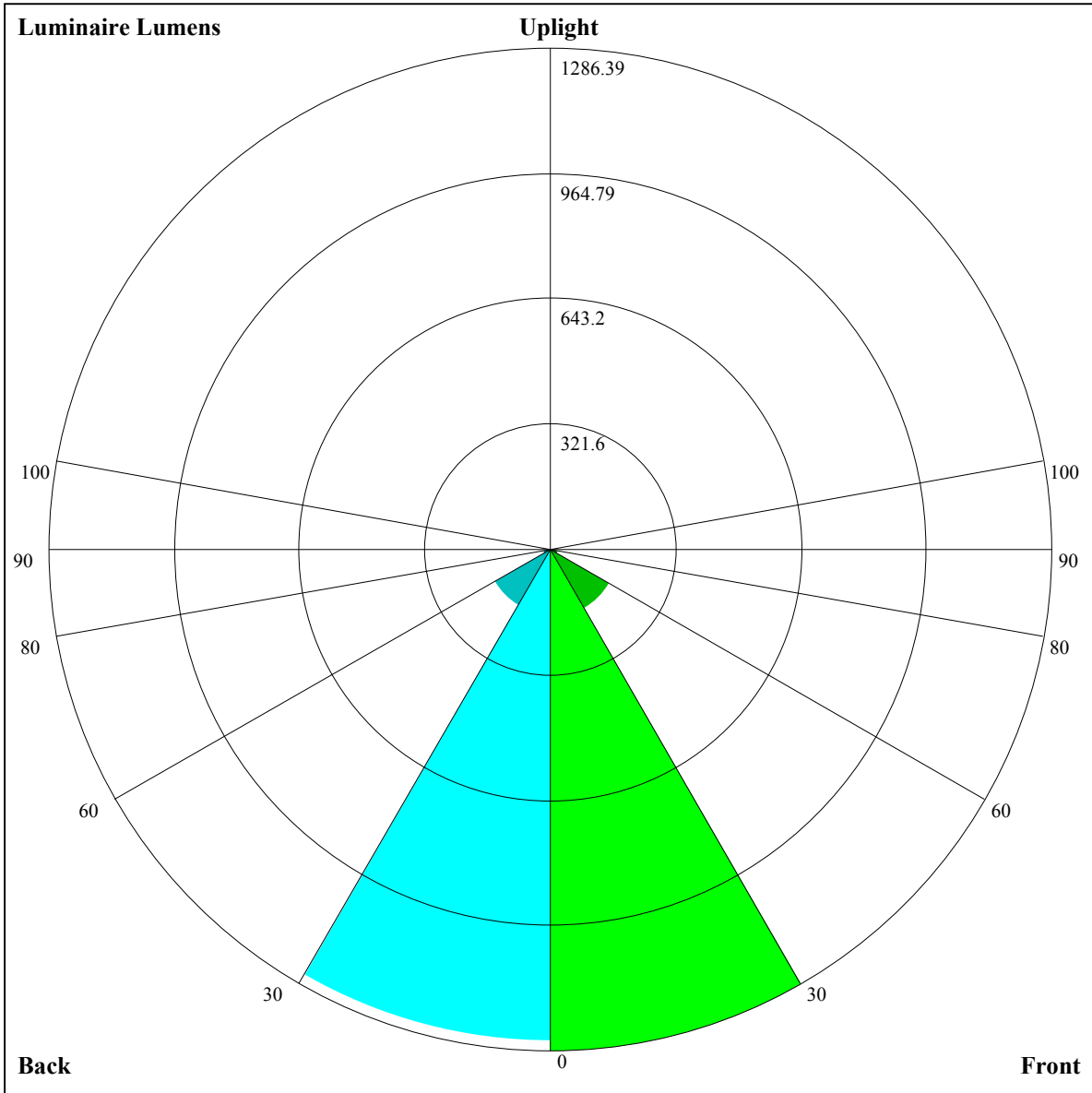
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.83	0.88	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.72
4	0.80	0.76	0.73	0.79	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.59
9	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54





Luminaire Lumens:

FL=1286.39,FM=175.08,FH=22.69,FVH=7.61

BL=1261.35,BM=167.03,BH=22.26,BVH=7.54

UL=0,UH=0

BUG Rating:B3-U0-G0

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	10319.92	10269.59	10143.76	9960.59	9682.02	9163.51	8659.05	8111.28	7397.89
45.0	10263.73	10320.50	10293.00	10197.02	10037.25	9690.21	9276.46	8800.09	8246.46
90.0	10314.65	10272.51	10157.22	9952.39	9663.29	9123.72	8630.96	8077.92	7362.77
135.0	10274.85	10307.63	10264.32	10149.03	9920.79	9474.85	9010.77	8471.19	7771.85
180.0	10319.92	10298.85	10232.13	10058.32	9704.84	9285.82	8764.39	8039.88	7473.97
225.0	10263.73	10160.73	9964.68	9558.54	9122.55	8579.46	7864.31	7282.01	6684.50
270.0	10314.65	10284.22	10177.71	10007.41	9665.05	9275.87	8790.72	8090.21	7519.03
315.0	10274.85	10192.92	9989.26	9740.54	9357.81	8779.60	8237.10	7670.02	7090.06
360.0	10319.92	10269.59	10143.76	9960.59	9682.02	9163.51	8659.05	8111.28	7397.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6825.54	6270.74	5610.03	5117.27	4657.28	4148.13	3783.54	3449.37	3147.40
45.0	7548.29	6985.89	6434.61	5768.62	5275.28	4694.73	4273.37	3880.10	3452.89
90.0	6792.18	6109.22	5591.88	5096.20	4636.80	4122.38	3752.52	3415.43	3120.48
135.0	7198.33	6648.21	6104.54	5463.13	4981.49	4547.84	4128.82	3670.00	3345.79
180.0	6894.59	6182.38	5642.21	5021.87	4567.74	4131.75	3681.71	3363.35	3076.00
225.0	5989.25	5477.18	4993.78	4559.55	4048.65	3690.49	3369.20	3087.71	2768.76
270.0	6950.19	6247.92	5716.54	5092.10	4633.87	4206.66	3836.21	3431.23	3136.86
315.0	6378.43	5831.24	5332.63	4866.79	4320.77	3931.60	3588.66	3202.99	2924.43
360.0	6825.54	6270.74	5610.03	5117.27	4657.28	4148.13	3783.54	3449.37	3147.40
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2830.21	2598.46	2393.04	2199.92	1977.53	1812.50	1658.59	1482.43	1363.05
45.0	3156.18	2891.07	2654.05	2397.14	2211.62	2038.98	1873.95	1682.58	1537.44
90.0	2802.70	2575.05	2374.90	2188.21	1972.85	1816.60	1628.15	1493.55	1373.00
135.0	2994.07	2753.54	2525.30	2276.00	2092.82	1923.69	1766.27	1579.00	1438.54
180.0	2826.11	2594.95	2327.50	2154.86	1989.82	1793.77	1646.30	1501.16	1350.76
225.0	2539.35	2338.62	2112.72	1947.69	1790.85	1610.60	1472.48	1358.95	1159.74
270.0	2869.42	2627.72	2358.52	2177.68	2009.72	1855.22	1662.68	1521.64	1365.39
315.0	2628.89	2411.77	2222.16	2047.76	1847.03	1699.55	1558.51	1428.01	1154.12
360.0	2830.21	2598.46	2393.04	2199.92	1977.53	1812.50	1658.59	1482.43	1363.05
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1163.25	1163.25	1088.40	993.89	849.69	726.91	603.13	481.29	337.15
45.0	1403.43	1274.68	1190.41	1096.77	993.77	878.48	756.75	601.67	479.36
90.0	1153.95	1153.95	1093.20	992.37	847.58	721.47	590.61	461.45	313.91
135.0	1322.67	1230.20	1143.59	1061.66	957.49	808.25	683.02	529.10	409.72
180.0	1257.71	1175.78	1078.63	976.80	863.27	738.61	575.92	466.48	351.19
225.0	1159.74	1085.36	981.60	832.54	708.18	582.06	458.00	315.09	219.34
270.0	1267.07	1186.89	1097.94	1000.79	887.26	760.27	601.67	471.16	352.36
315.0	1154.12	1134.99	1051.53	913.77	792.45	666.34	511.19	392.04	283.72
360.0	1163.25	1163.25	1088.40	993.89	849.69	726.91	603.13	481.29	337.15
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	238.71	163.28	119.50	108.50	99.66	90.07	82.87	76.61	69.70
45.0	360.56	306.13	306.13	115.41	104.46	96.04	87.20	80.59	74.85
90.0	216.77	147.54	114.88	101.19	93.17	84.45	78.01	72.51	66.13
135.0	297.35	297.35	124.13	106.22	96.80	89.42	81.05	75.03	69.70
180.0	322.52	204.13	113.94	103.35	92.93	85.79	78.83	71.40	66.07
225.0	136.24	109.91	100.37	90.59	83.51	76.84	69.70	64.55	60.10
270.0	299.11	299.11	115.35	104.58	94.10	86.91	79.88	72.28	66.95
315.0	176.33	125.88	108.09	96.62	89.48	82.52	76.20	69.35	64.55
360.0	238.71	163.28	119.50	108.50	99.66	90.07	82.87	76.61	69.70

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	64.78	60.22	55.60	52.14	49.51	46.88	44.48	42.90	41.61
45.0	68.41	63.73	58.64	55.13	51.73	48.98	45.94	44.13	42.55
90.0	61.68	57.59	53.26	50.10	47.64	45.18	43.13	41.67	40.56
135.0	64.78	59.63	55.83	52.55	48.98	46.53	43.95	42.43	41.08
180.0	60.40	56.30	52.85	49.74	46.64	44.24	42.55	40.97	39.39
225.0	56.06	51.91	48.92	46.53	44.18	41.96	40.44	39.27	37.98
270.0	62.21	56.94	53.55	50.39	47.23	44.71	43.07	41.38	39.80
315.0	60.04	55.36	52.14	48.69	46.23	44.18	42.55	40.73	39.68
360.0	64.78	60.22	55.60	52.14	49.51	46.88	44.48	42.90	41.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.38	39.39	38.68	37.69	36.81	35.46	33.94	32.42	30.90
45.0	41.26	39.91	39.03	38.57	37.69	36.99	35.82	34.24	32.77
90.0	39.56	38.62	38.10	37.22	36.52	35.23	33.77	32.19	30.78
135.0	39.74	38.74	38.27	37.57	36.81	35.93	34.59	33.42	31.31
180.0	38.33	37.57	36.81	36.17	35.58	34.06	32.89	31.43	29.79
225.0	37.40	36.64	35.99	35.46	34.18	32.77	31.19	29.90	28.44
270.0	38.80	38.10	37.63	36.81	36.17	34.70	33.53	32.01	30.20
315.0	38.80	38.22	37.22	36.64	35.70	34.12	32.89	31.25	29.55
360.0	40.38	39.39	38.68	37.69	36.81	35.46	33.94	32.42	30.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.50	27.62	26.34	24.93	23.70	22.41	21.48	20.72	20.07
45.0	31.19	29.50	27.92	26.74	24.81	23.70	22.65	21.65	20.72
90.0	29.38	27.51	26.28	24.76	23.58	22.24	21.30	20.60	19.84
135.0	30.14	28.68	26.92	25.69	24.35	23.00	21.95	21.13	20.25
180.0	28.21	26.80	25.63	23.82	22.82	21.83	20.89	20.01	19.43
225.0	26.63	25.40	23.94	22.88	21.59	20.72	19.90	19.31	18.79
270.0	28.85	27.21	26.10	24.29	23.17	22.18	21.24	20.31	19.78
315.0	28.03	26.63	24.99	23.64	22.65	21.71	20.66	20.07	19.49
360.0	29.50	27.62	26.34	24.93	23.70	22.41	21.48	20.72	20.07
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.37	18.79	18.26	17.85	17.38	16.91	16.50	16.15	15.68
45.0	20.07	19.49	18.96	18.38	17.91	17.50	16.97	16.56	16.09
90.0	19.25	18.73	18.14	17.79	17.38	16.85	16.44	16.09	15.63
135.0	19.61	19.08	18.61	18.02	17.62	17.15	16.74	16.27	15.86
180.0	18.79	18.32	17.91	17.38	16.97	16.56	16.21	15.74	15.39
225.0	18.26	17.85	17.44	17.03	16.56	16.21	15.86	15.39	15.04
270.0	19.20	18.61	18.14	17.73	17.21	16.80	16.39	15.98	15.57
315.0	18.96	18.43	17.97	17.56	17.03	16.62	16.15	15.74	15.39
360.0	19.37	18.79	18.26	17.85	17.38	16.91	16.50	16.15	15.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.27	14.86	14.51	14.16	13.87	13.58	13.23	12.99	12.76
45.0	15.74	15.39	14.81	14.51	14.16	13.81	13.58	13.23	12.93
90.0	15.16	14.75	14.46	14.10	13.81	13.52	13.23	12.99	12.70
135.0	15.51	14.98	14.51	14.22	13.93	13.58	13.34	13.05	12.99
180.0	15.04	14.63	14.22	13.93	13.58	13.34	13.11	12.87	12.58
225.0	14.63	14.34	13.99	13.69	13.40	13.17	12.82	12.58	12.76
270.0	15.22	14.75	14.46	14.16	13.81	13.52	13.17	12.87	12.58
315.0	14.98	14.63	14.22	13.99	13.64	13.34	13.05	12.87	12.70
360.0	15.27	14.86	14.51	14.16	13.87	13.58	13.23	12.99	12.76

Intensity data(cd)

C/γ(°)	90.0
0.0	12.58
45.0	12.64
90.0	12.64
135.0	12.70
180.0	12.70
225.0	12.64
270.0	12.82
315.0	12.82
360.0	12.58