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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024822-B010

Ballast type: AC

Test No: 2024822-C010

Voltage(V): 34.890

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.090

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3132.81, Efficiency(%): 94.62% , Luminous Efficacy(lm/W): 155.94

Central intensity(cd): 15823.990, Maximum intensity(cd): 15823.990

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=47.2

[C90/270]Total=47.2

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

Maximum s/h(1/4): C0_180=0.34 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.62%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.202%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/22
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15823.993	0.000	0	0.00%	0.00%
1.0	15713.954	15.090	15.09	0.46%	0.48%
2.0	15404.032	44.663	59.754	1.35%	1.91%
3.0	14540.049	71.616	131.37	2.16%	4.19%
4.0	13881.171	95.135	226.505	2.87%	7.23%
5.0	13154.764	116.307	342.812	3.51%	10.94%
6.0	11726.792	130.759	473.571	3.95%	15.12%
7.0	10787.487	139.746	613.317	4.22%	19.58%
8.0	9292.446	143.708	757.025	4.34%	24.16%
9.0	8196.583	141.739	898.765	4.28%	28.69%
10.0	7068.947	138.147	1036.912	4.17%	33.10%
11.0	6204.024	132.624	1169.536	4.01%	37.33%
12.0	5335.265	126.141	1295.677	3.81%	41.36%
13.0	4634.488	118.316	1413.993	3.57%	45.13%
14.0	4119.540	112.051	1526.044	3.38%	48.71%
15.0	3625.893	106.333	1632.377	3.21%	52.11%
16.0	3270.636	101.053	1733.43	3.05%	55.33%
17.0	2963.769	97.086	1830.516	2.93%	58.43%
18.0	2678.960	93.036	1923.553	2.81%	61.40%
19.0	2372.763	87.890	2011.442	2.65%	64.21%
20.0	2205.687	83.798	2095.241	2.53%	66.88%
21.0	2007.020	80.893	2176.133	2.44%	69.46%
22.0	1796.659	76.437	2252.57	2.31%	71.90%
23.0	1662.243	72.577	2325.147	2.19%	74.22%
24.0	1530.968	69.815	2394.962	2.11%	76.45%
25.0	1413.984	66.962	2461.924	2.02%	78.59%
26.0	1313.911	64.392	2526.316	1.94%	80.64%
27.0	1222.571	62.056	2588.372	1.87%	82.62%
28.0	1129.588	59.552	2647.923	1.80%	84.52%
29.0	1033.904	56.603	2704.526	1.71%	86.33%
30.0	941.953	53.348	2757.874	1.61%	88.03%
31.0	841.762	49.638	2807.512	1.50%	89.62%
32.0	728.398	44.983	2852.496	1.36%	91.05%
33.0	620.783	39.747	2892.243	1.20%	92.32%
34.0	520.296	34.532	2926.775	1.04%	93.42%
35.0	425.914	29.386	2956.161	0.89%	94.36%
36.0	352.386	24.781	2980.942	0.75%	95.15%
37.0	269.449	20.281	3001.223	0.61%	95.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	196.163	15.541	3016.765	0.47%	96.30%
39.0	156.485	12.037	3028.801	0.36%	96.68%
40.0	120.046	9.644	3038.446	0.29%	96.99%
41.0	83.837	7.260	3045.706	0.22%	97.22%
42.0	69.159	5.559	3051.265	0.17%	97.40%
43.0	61.840	4.853	3056.117	0.15%	97.55%
44.0	54.573	4.394	3060.511	0.13%	97.69%
45.0	49.527	4.001	3064.512	0.12%	97.82%
46.0	45.815	3.729	3068.24	0.11%	97.94%
47.0	42.149	3.499	3071.739	0.11%	98.05%
48.0	39.363	3.295	3075.034	0.10%	98.16%
49.0	36.859	3.130	3078.164	0.09%	98.26%
50.0	34.875	2.991	3081.155	0.09%	98.35%
51.0	33.068	2.875	3084.029	0.09%	98.44%
52.0	31.728	2.780	3086.81	0.08%	98.53%
53.0	30.631	2.713	3089.523	0.08%	98.62%
54.0	29.928	2.669	3092.192	0.08%	98.70%
55.0	29.304	2.644	3094.836	0.08%	98.79%
56.0	28.877	2.629	3097.465	0.08%	98.87%
57.0	28.476	2.622	3100.087	0.08%	98.96%
58.0	27.990	2.611	3102.698	0.08%	99.04%
59.0	27.385	2.589	3105.287	0.08%	99.12%
60.0	26.327	2.538	3107.824	0.08%	99.20%
61.0	25.092	2.454	3110.278	0.07%	99.28%
62.0	23.233	2.329	3112.607	0.07%	99.36%
63.0	21.084	2.155	3114.762	0.07%	99.42%
64.0	18.844	1.959	3116.721	0.06%	99.49%
65.0	16.400	1.744	3118.466	0.05%	99.54%
66.0	14.100	1.522	3119.987	0.05%	99.59%
67.0	12.234	1.324	3121.311	0.04%	99.63%
68.0	10.558	1.155	3122.466	0.03%	99.67%
69.0	9.172	1.007	3123.473	0.03%	99.70%
70.0	8.193	0.892	3124.365	0.03%	99.73%
71.0	7.477	0.810	3125.174	0.02%	99.76%
72.0	6.859	0.745	3125.92	0.02%	99.78%
73.0	6.380	0.692	3126.612	0.02%	99.80%
74.0	5.900	0.646	3127.258	0.02%	99.82%
75.0	5.545	0.605	3127.863	0.02%	99.84%

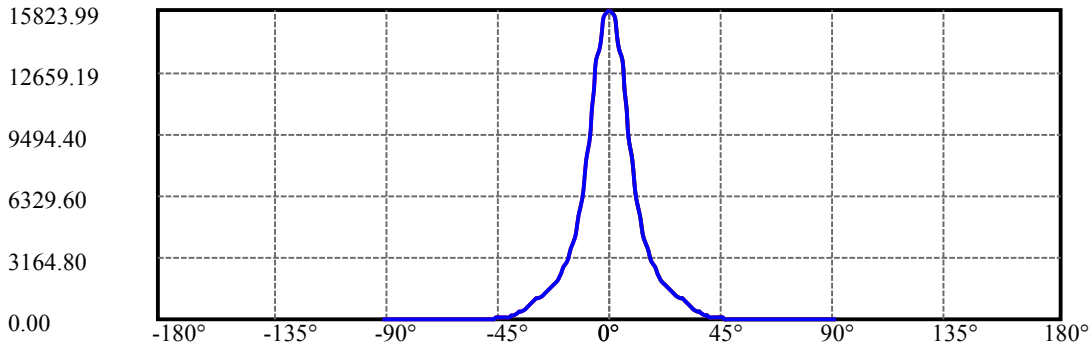
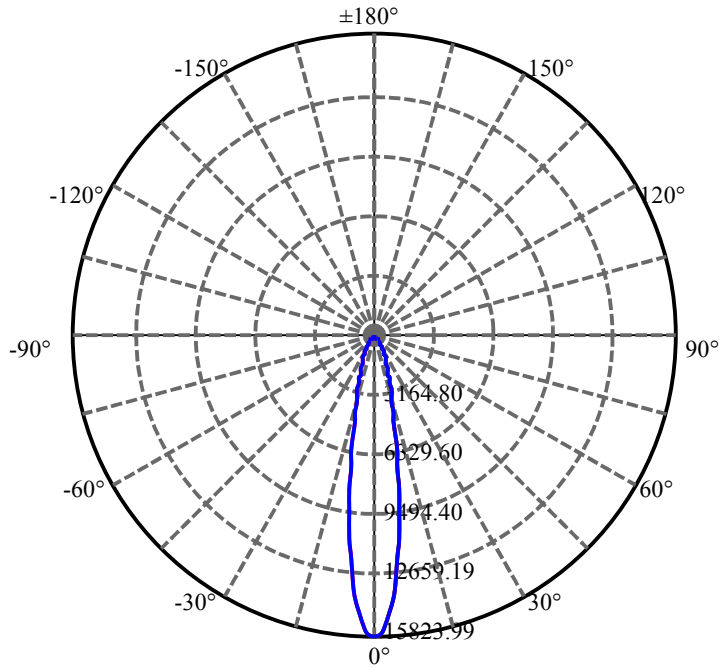
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.171	0.569	3128.431	0.02%	99.86%
77.0	4.816	0.532	3128.964	0.02%	99.88%
78.0	4.494	0.498	3129.462	0.02%	99.89%
79.0	4.146	0.464	3129.926	0.01%	99.91%
80.0	3.778	0.427	3130.354	0.01%	99.92%
81.0	3.417	0.389	3130.743	0.01%	99.93%
82.0	3.108	0.354	3131.096	0.01%	99.95%
83.0	2.773	0.320	3131.416	0.01%	99.96%
84.0	2.457	0.285	3131.701	0.01%	99.96%
85.0	2.181	0.253	3131.954	0.01%	99.97%
86.0	1.873	0.222	3132.176	0.01%	99.98%
87.0	1.636	0.192	3132.368	0.01%	99.99%
88.0	1.426	0.168	3132.536	0.01%	99.99%
89.0	1.229	0.145	3132.681	0.00%	100.00%
90.0	1.150	0.130	3132.811	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2757.87	83.29%	88.03%
0-40	3038.45	91.77%	96.99%
0-60	3107.82	93.86%	99.20%
0-90	3132.68	94.61%	100.00%
0-120	3132.68	94.61%	100.00%
0-180	3132.81	94.62%	100.00%
60-90	24.86	0.75%	0.79%
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%
0-25.69	2506.25	75.69%	80.00%

ZONAL LUMEN SUMMARY

0-10	1036.91
10-20	1058.33
20-30	662.63
30-40	280.57
40-50	42.71
50-60	26.67
60-70	16.54
70-80	5.99
80-90	2.33
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



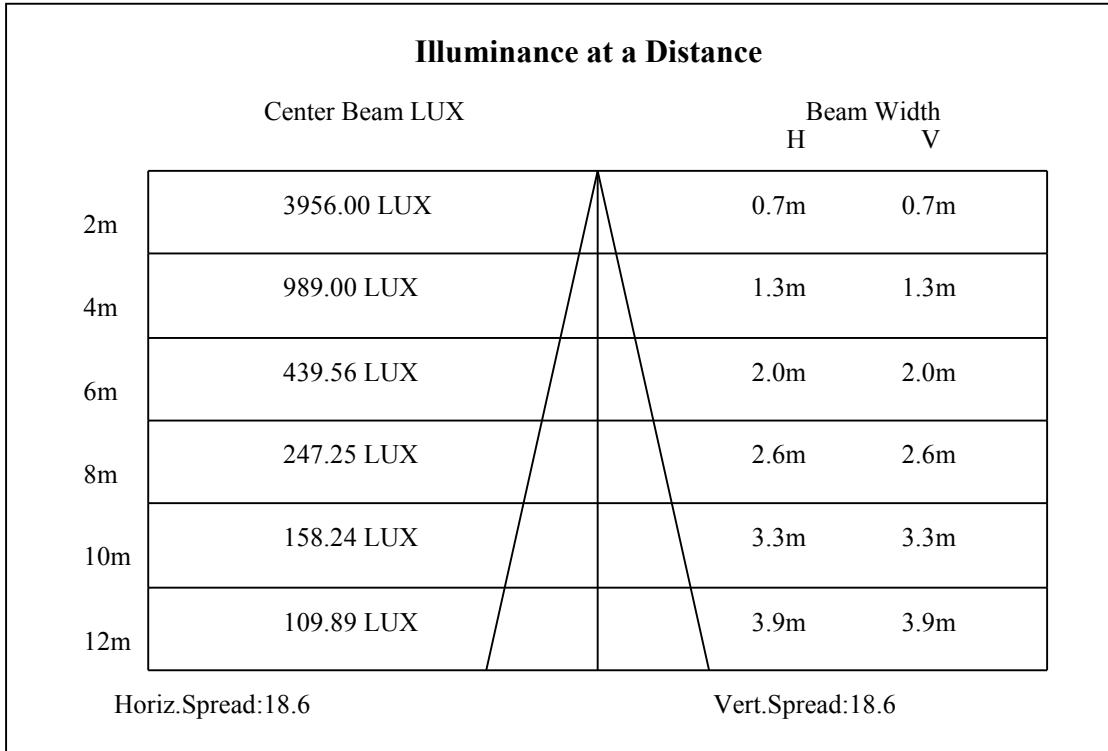
C0(Max): —————

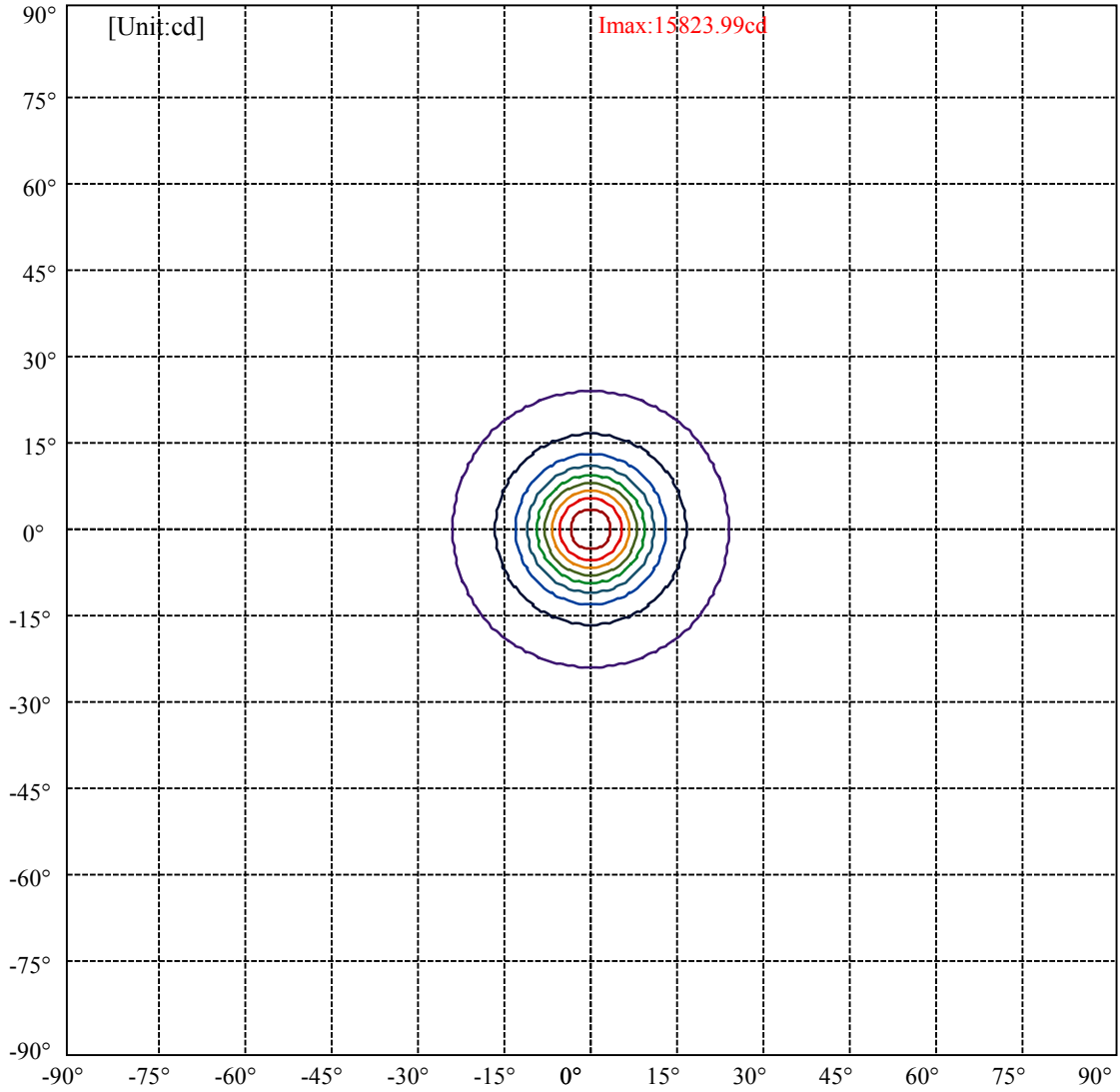
C0/C180: —————

C90/C270: —————

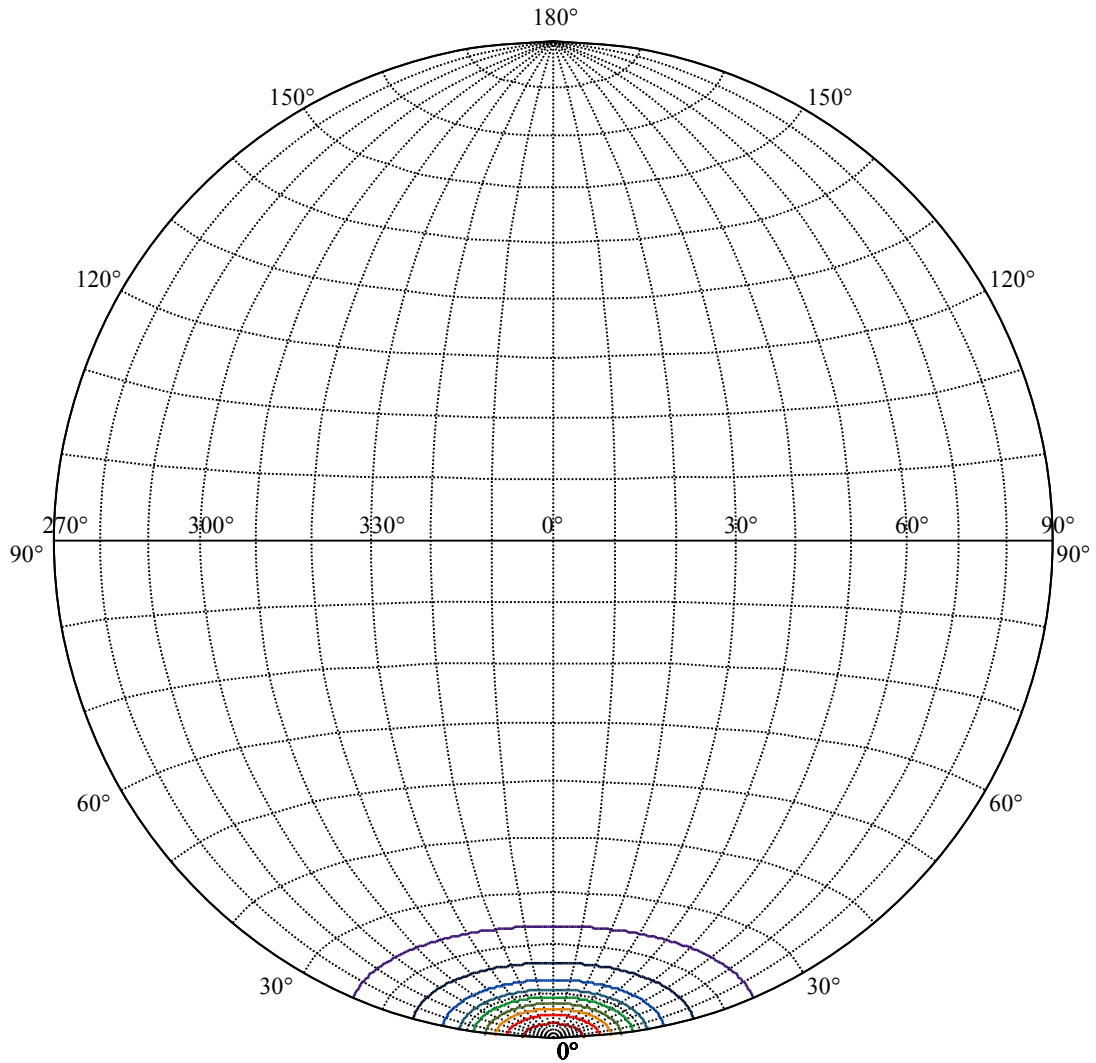
Field angle(10%Imax):C0/180Left:23.6 Right:23.6
:C90/270Left:23.6 Right:23.6

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 1582.4	—
(20%Imax) 3164.8	—
(30%Imax) 4747.2	—
(40%Imax) 6329.6	—
(50%Imax) 7912	—
(60%Imax) 9494.4	—
(70%Imax) 11076.8	—
(80%Imax) 12659.2	—
(90%Imax) 14241.6	—



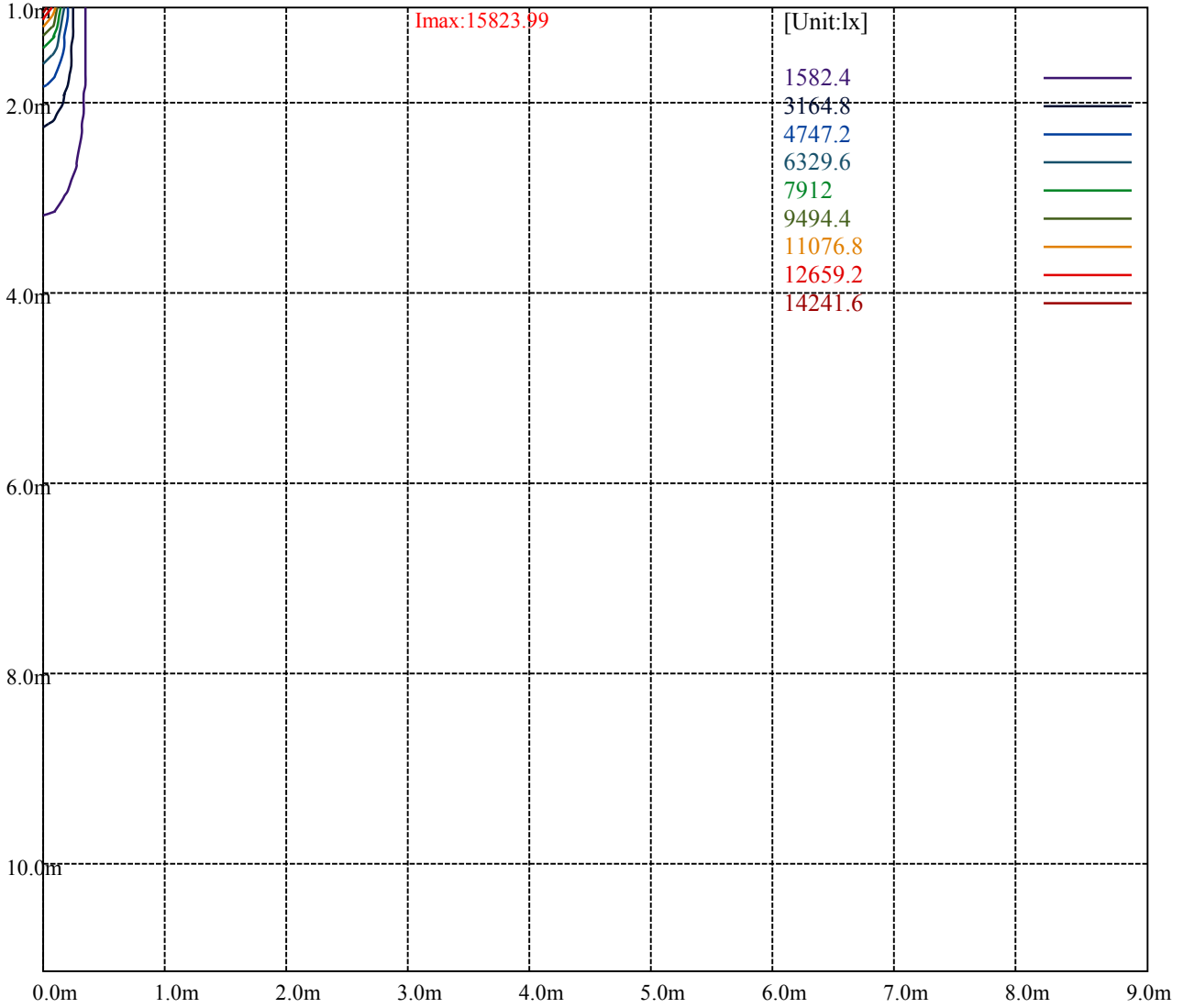
House

[Unit:cd]

Road

Imax:15823.99

(10%Imax) 1582.4	—
(20%Imax) 3164.8	—
(30%Imax) 4747.2	—
(40%Imax) 6329.6	—
(50%Imax) 7912	—
(60%Imax) 9494.4	—
(70%Imax) 11076.8	—
(80%Imax) 12659.2	—
(90%Imax) 14241.6	—



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

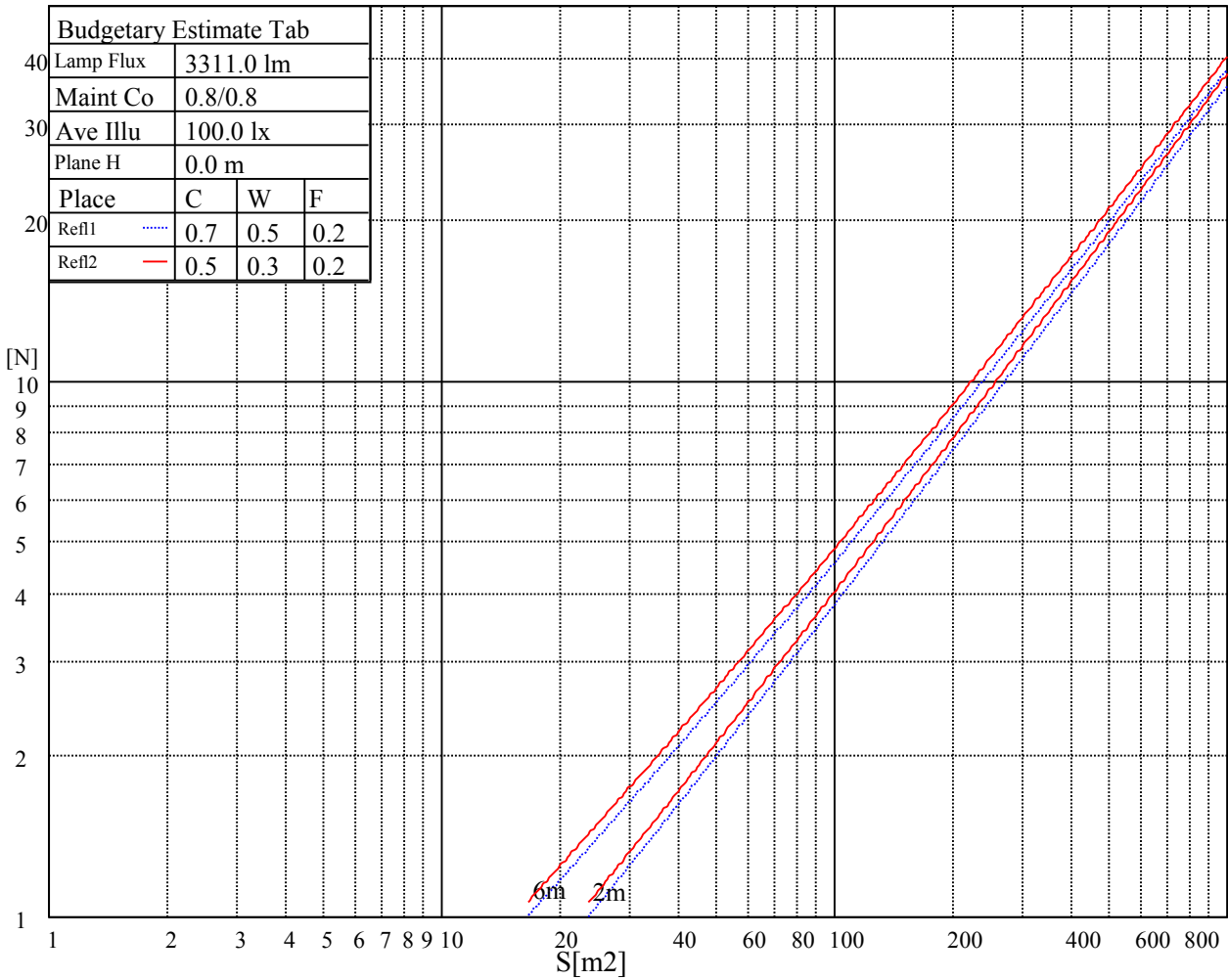
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

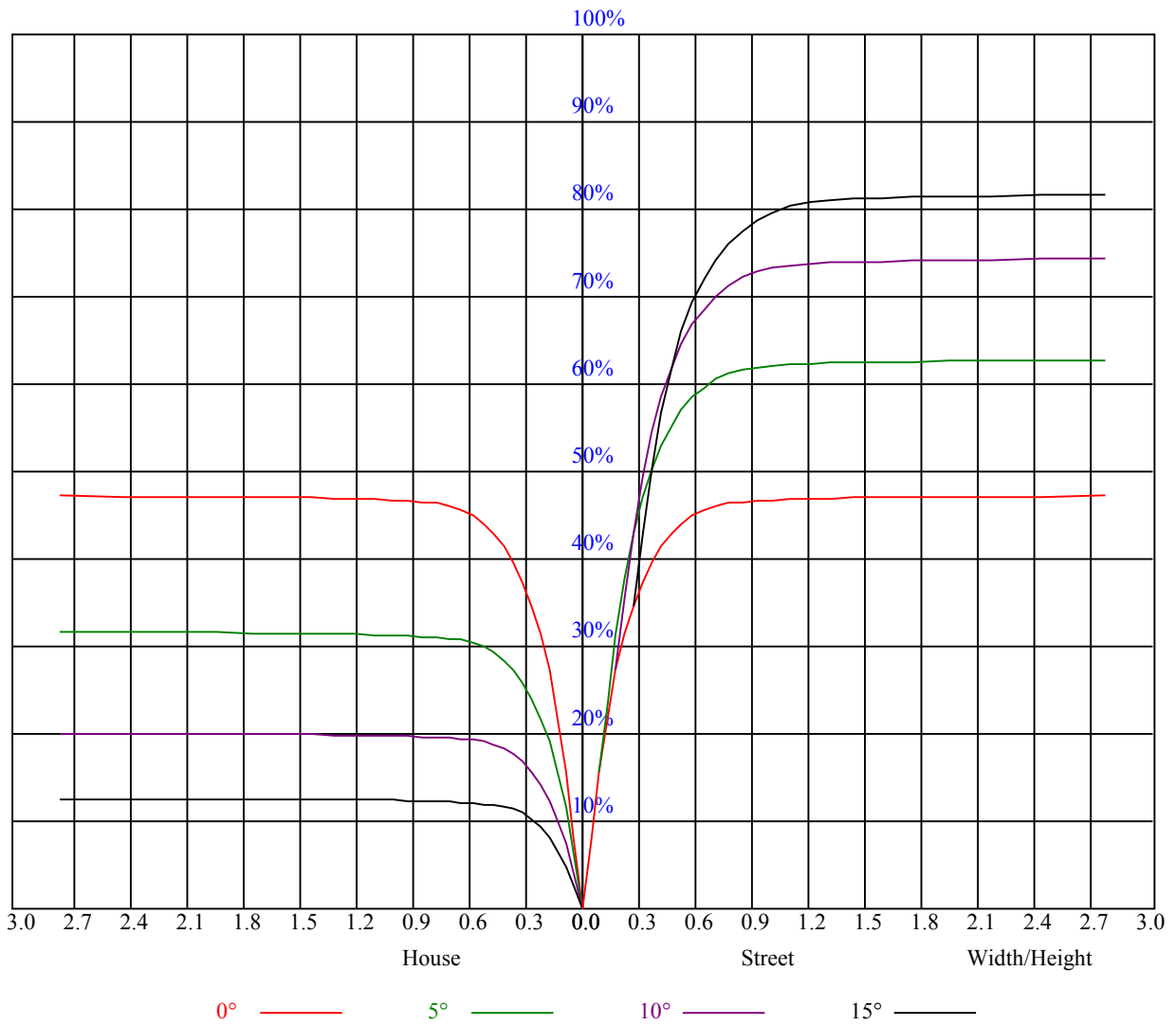


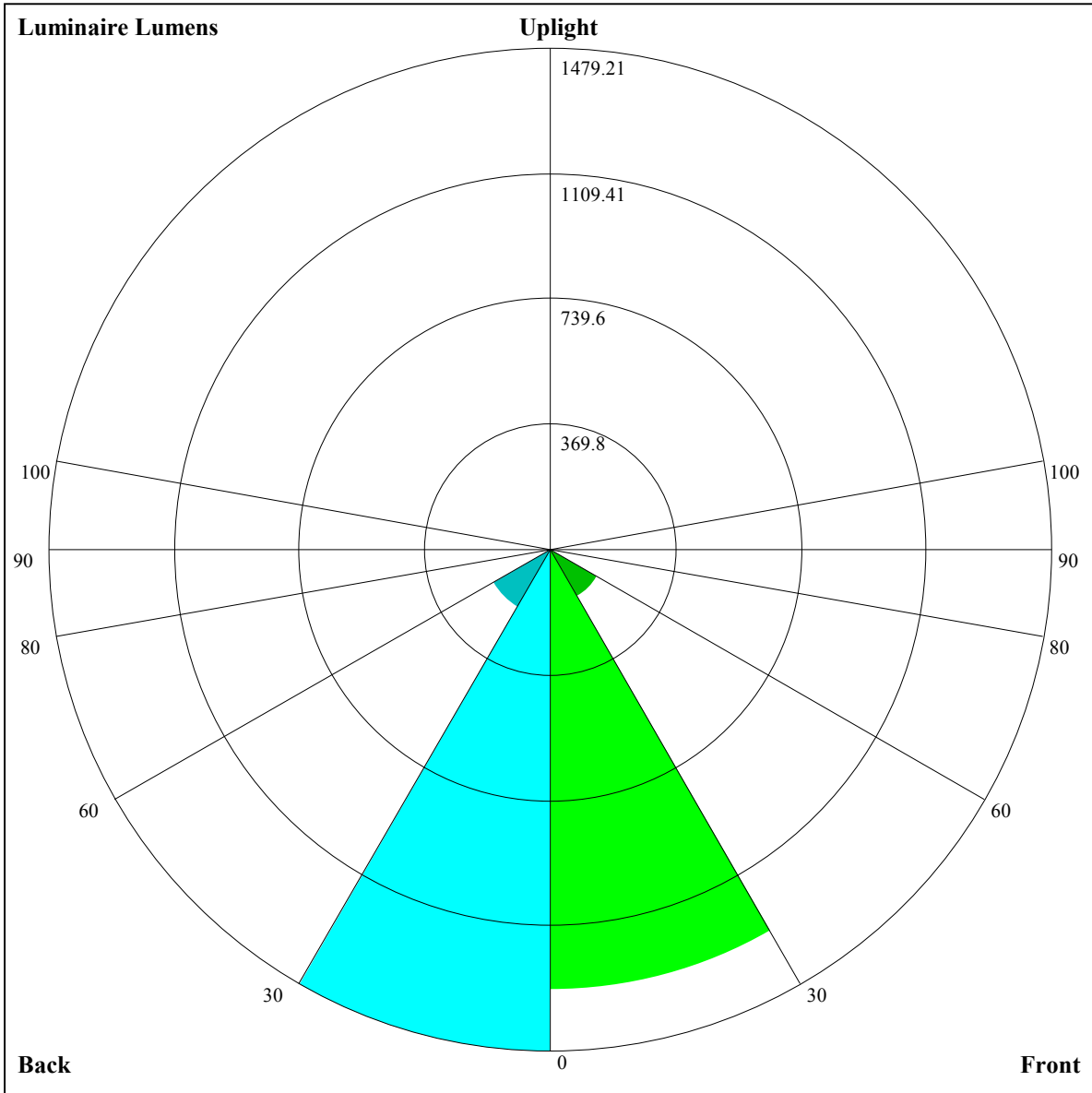
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.03	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.91	0.89	0.88	0.87
3	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.88	0.86	0.84	0.83
4	0.91	0.87	0.84	0.90	0.87	0.84	0.88	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.78	0.77
6	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
7	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
8	0.78	0.74	0.71	0.78	0.73	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.65





Luminaire Lumens:

FL=1296.82,FM=158.47,FH=10.43,FVH=1.14

BL=1479.21,BM=198.02,BH=12.13,BVH=1.33

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	15592.77	15041.18	14233.29	12701.10	10951.34	10360.17	8960.59	8169.42	6997.70
45.0	16105.36	15665.20	15007.75	14071.72	12845.96	11453.05	9993.29	8578.09	7335.62
90.0	15542.63	14823.89	13837.71	10502.83	10502.83	10202.49	8206.74	7461.83	6385.92
135.0	16055.22	15865.78	15637.34	15091.32	14255.58	13130.11	11753.92	10277.44	8812.10
180.0	15592.77	15921.50	16055.22	15977.21	15681.92	15158.18	14350.30	13252.69	11865.35
225.0	16105.36	16333.80	16367.23	16289.22	15977.21	15420.05	14606.59	13481.12	10230.92
270.0	15542.63	16010.64	16266.94	16311.51	16149.93	15771.06	15158.18	14294.58	13375.26
315.0	16055.22	16049.64	15826.78	15375.48	14684.60	13742.99	10784.72	10784.72	9336.68
360.0	15592.77	15041.18	14233.29	12701.10	10951.34	10360.17	8960.59	8169.42	6997.70
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6014.31	5228.13	4600.80	4077.59	3625.18	3249.10	2909.23	2615.04	2361.53
45.0	6265.87	5430.13	4755.96	4209.94	3741.92	3335.20	2989.76	2861.61	2794.75
90.0	5201.43	4798.01	4225.24	3742.19	3328.20	2981.13	2671.91	2407.26	2178.82
135.0	7497.20	6405.16	5530.42	4828.39	4243.37	3753.07	3340.77	2995.33	2805.89
180.0	10695.31	8923.54	7831.50	6661.46	5563.85	4978.83	4371.52	3870.07	3429.91
225.0	10230.92	8772.84	7460.72	6374.25	5519.54	4819.19	4244.74	3748.34	3325.42
270.0	11687.06	10177.15	9007.11	7681.06	6561.17	5664.14	4934.25	4349.23	3847.79
315.0	7980.56	6816.62	6220.46	5107.24	4492.67	4175.67	3544.97	3318.22	2966.05
360.0	6014.31	5228.13	4600.80	4077.59	3625.18	3249.10	2909.23	2615.04	2361.53
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2139.82	1949.81	1783.24	1637.79	1518.58	1414.35	1327.47	1251.15	1049.52
45.0	2246.21	2035.59	1855.09	1700.19	1563.68	1447.26	1343.08	1258.35	1174.77
90.0	1987.13	1821.66	1676.80	1549.75	1439.42	1345.28	1262.29	1068.02	1068.02
135.0	2805.89	2210.57	2056.25	1851.20	1733.62	1604.37	1491.83	1388.75	1299.61
180.0	3062.19	2856.04	2856.04	2237.85	2039.53	1937.56	1726.36	1596.01	1525.26
225.0	3102.55	2649.04	2378.24	2234.54	2021.13	1840.06	1680.16	1537.51	1416.03
270.0	3424.34	3056.61	2861.61	2861.61	2237.85	2031.17	1864.02	1768.73	1633.91
315.0	2663.55	2402.79	2178.24	1983.24	1819.45	1677.90	1552.54	1443.37	1344.18
360.0	2139.82	1949.81	1783.24	1637.79	1518.58	1414.35	1327.47	1251.15	1049.52
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1049.52	981.71	862.03	741.55	623.39	510.33	406.99	311.28	226.81
45.0	1080.63	974.19	863.92	748.02	680.05	525.68	422.08	363.00	306.75
90.0	1005.89	889.04	770.41	650.57	535.51	427.91	328.36	240.84	168.15
135.0	1221.03	1132.98	1027.12	910.12	790.33	673.33	558.58	449.94	353.54
180.0	1380.40	1326.89	1240.53	1148.60	1053.35	945.81	830.49	715.11	601.47
225.0	1314.64	1228.28	1095.56	1095.56	1011.20	911.49	808.20	697.98	587.75
270.0	1469.54	1411.57	1319.63	1234.96	1149.17	1058.35	953.59	837.16	721.26
315.0	1258.92	1092.04	1092.04	1006.26	891.09	774.30	657.98	547.07	441.58
360.0	1049.52	981.71	862.03	741.55	623.39	510.33	406.99	311.28	226.81
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	155.69	102.29	74.74	65.81	59.97	55.24	50.51	47.94	42.37
45.0	306.75	127.15	86.36	70.64	64.97	60.08	56.29	51.56	47.57
90.0	114.38	83.15	70.22	64.18	58.98	54.35	50.14	46.68	43.36
135.0	299.50	299.50	152.48	102.81	77.63	69.33	63.18	56.98	52.35
180.0	494.51	396.43	309.54	309.54	163.10	121.00	95.14	85.36	73.01
225.0	502.39	401.47	310.43	228.54	161.89	112.69	84.36	71.75	64.13
270.0	604.84	493.40	388.65	292.25	292.25	131.77	93.46	80.00	64.23
315.0	341.03	252.19	176.87	118.11	81.58	66.23	60.18	54.45	49.57
360.0	155.69	102.29	74.74	65.81	59.97	55.24	50.51	47.94	42.37

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	40.42	37.74	34.43	33.32	31.85	30.54	29.80	29.22	28.75
45.0	44.31	41.37	38.69	36.85	34.69	33.27	32.33	31.33	30.49
90.0	40.37	38.74	36.32	34.38	32.85	31.59	30.33	29.65	29.17
135.0	48.41	44.89	42.00	39.26	36.53	34.59	32.90	31.64	30.59
180.0	60.24	56.03	50.67	46.10	42.47	39.37	36.58	34.32	32.48
225.0	57.03	51.56	47.20	43.78	41.00	38.32	36.06	34.22	32.75
270.0	60.34	54.88	50.09	45.89	42.37	39.47	36.79	34.38	32.59
315.0	45.10	41.31	37.79	35.32	33.11	31.85	29.75	29.07	28.23
360.0	40.42	37.74	34.43	33.32	31.85	30.54	29.80	29.22	28.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.75	28.54	28.17	27.70	26.96	25.70	23.76	21.76	18.76
45.0	30.17	30.07	30.07	29.65	28.54	27.23	25.12	22.92	19.76
90.0	29.07	29.01	28.44	27.75	26.18	24.55	22.50	19.82	17.14
135.0	29.80	29.38	29.22	29.07	29.01	28.44	26.96	25.60	23.97
180.0	31.12	29.75	28.91	28.23	28.02	27.86	27.49	27.12	25.97
225.0	31.91	30.22	29.75	29.54	29.44	29.65	29.59	29.28	28.28
270.0	31.17	30.12	29.12	28.49	28.38	28.28	28.28	28.38	27.81
315.0	27.44	27.33	27.33	27.39	27.39	27.39	26.91	25.86	24.18
360.0	28.75	28.54	28.17	27.70	26.96	25.70	23.76	21.76	18.76
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.03	13.51	10.62	9.36	8.46	7.57	7.10	6.68	6.20
45.0	16.82	13.67	11.14	9.83	8.83	8.09	7.57	7.04	6.57
90.0	14.09	11.46	9.93	8.73	7.99	7.36	6.78	6.41	5.94
135.0	21.55	18.55	15.98	13.14	11.09	9.83	8.78	8.04	7.57
180.0	24.55	23.50	21.39	17.35	15.82	13.35	11.20	9.78	8.78
225.0	26.33	24.65	21.87	18.45	15.45	12.56	10.41	9.20	8.25
270.0	26.75	25.70	23.34	21.76	18.92	16.03	12.93	10.57	9.04
315.0	22.55	19.71	16.93	14.19	11.30	9.67	8.62	7.83	7.46
360.0	16.03	13.51	10.62	9.36	8.46	7.57	7.10	6.68	6.20
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.83	5.41	5.05	4.78	4.47	4.10	3.78	3.42	3.05
45.0	6.25	5.83	5.15	4.94	4.63	4.26	3.94	3.63	3.15
90.0	5.52	5.05	4.78	4.47	4.15	3.84	3.57	3.15	2.79
135.0	7.04	6.57	6.10	5.73	5.31	5.15	4.68	4.47	4.10
180.0	7.88	7.31	6.73	6.25	5.83	5.41	5.05	4.68	4.31
225.0	7.62	7.04	6.57	6.10	5.73	5.26	5.05	4.57	4.31
270.0	7.94	7.31	6.73	6.25	5.83	5.47	5.10	4.73	4.36
315.0	6.78	6.52	6.10	5.83	5.41	5.05	4.78	4.52	4.15
360.0	5.83	5.41	5.05	4.78	4.47	4.10	3.78	3.42	3.05
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.73	2.42	2.16	1.89	1.68	1.42	1.21	1.05	1.05
45.0	2.79	2.47	2.05	1.79	1.47	1.26	1.10	1.00	0.95
90.0	2.42	2.16	1.89	1.58	1.42	1.21	1.00	1.05	1.05
135.0	3.63	3.26	3.00	2.68	2.37	2.16	1.79	1.42	1.00
180.0	3.99	3.73	3.26	3.05	2.63	2.26	2.00	1.79	1.47
225.0	3.89	3.57	3.31	2.84	2.63	2.16	1.94	1.68	1.42
270.0	4.10	3.84	3.42	3.05	2.79	2.31	2.10	1.84	1.52
315.0	3.78	3.42	3.10	2.79	2.47	2.21	1.94	1.58	1.37
360.0	2.73	2.42	2.16	1.89	1.68	1.42	1.21	1.05	1.05

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.00
45.0	0.95
90.0	1.10
135.0	0.95
180.0	1.31
225.0	1.31
270.0	1.31
315.0	1.26
360.0	1.00