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NT

Client:

LumCAT: 2-2682-L

Luminaire: 92.70.411.00

Report No: 2024330-B011

Ballast type: AC

Test No: 2024330-C011

Voltage(V): 34.070

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.624

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2449.69, Efficiency(%): 85.95% , Luminous Efficacy(lm/W): 124.83

Central intensity(cd): 9954.151, Maximum intensity(cd): 9954.151

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=20.0

[C90/270]Total=20.0

Field angle(10%Imax): [C0/180]Total=55.2

[C90/270]Total=55.2

Maximum s/h(1/2): C0_180=0.34 C90_270=0.34

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.95%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.024%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
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	9954.151	0.000	0	0.00%	0.00%
1.0	9878.730	9.490	9.49	0.33%	0.39%
2.0	9657.295	28.040	37.53	0.98%	1.53%
3.0	9298.040	45.335	82.865	1.59%	3.38%
4.0	8832.128	60.687	143.552	2.13%	5.86%
5.0	8201.255	73.277	216.829	2.57%	8.85%
6.0	7534.172	82.694	299.523	2.90%	12.23%
7.0	6842.582	89.236	388.759	3.13%	15.87%
8.0	6177.182	93.180	481.939	3.27%	19.67%
9.0	5562.915	95.147	577.086	3.34%	23.56%
10.0	4987.712	95.479	672.565	3.35%	27.46%
11.0	4502.414	94.826	767.391	3.33%	31.33%
12.0	4033.795	93.313	860.704	3.27%	35.14%
13.0	3638.622	91.052	951.756	3.19%	38.85%
14.0	3279.879	88.556	1040.313	3.11%	42.47%
15.0	2972.270	85.832	1126.145	3.01%	45.97%
16.0	2687.046	82.925	1209.07	2.91%	49.36%
17.0	2448.713	79.978	1289.047	2.81%	52.62%
18.0	2246.445	77.413	1366.46	2.72%	55.78%
19.0	2052.004	74.784	1441.244	2.62%	58.83%
20.0	1887.263	72.100	1513.344	2.53%	61.78%
21.0	1745.492	69.756	1583.1	2.45%	64.62%
22.0	1608.111	67.392	1650.492	2.36%	67.38%
23.0	1486.676	64.937	1715.429	2.28%	70.03%
24.0	1319.243	61.347	1776.777	2.15%	72.53%
25.0	1232.813	58.028	1834.805	2.04%	74.90%
26.0	1159.770	56.477	1891.282	1.98%	77.20%
27.0	1056.997	54.234	1945.516	1.90%	79.42%
28.0	952.615	50.879	1996.395	1.79%	81.50%
29.0	842.483	46.965	2043.36	1.65%	83.41%
30.0	745.101	42.864	2086.224	1.50%	85.16%
31.0	635.532	38.421	2124.645	1.35%	86.73%
32.0	537.566	33.608	2158.253	1.18%	88.10%
33.0	446.775	28.999	2187.252	1.02%	89.29%
34.0	374.603	24.857	2212.109	0.87%	90.30%
35.0	316.204	21.454	2233.563	0.75%	91.18%
36.0	278.743	18.943	2252.507	0.66%	91.95%
37.0	251.266	17.286	2269.792	0.61%	92.66%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	203.688	15.186	2284.978	0.53%	93.28%
39.0	164.507	12.567	2297.546	0.44%	93.79%
40.0	141.712	10.680	2308.226	0.37%	94.23%
41.0	120.022	9.320	2317.546	0.33%	94.61%
42.0	103.248	8.112	2325.658	0.28%	94.94%
43.0	89.122	7.126	2332.784	0.25%	95.23%
44.0	77.469	6.288	2339.071	0.22%	95.48%
45.0	67.725	5.580	2344.651	0.20%	95.71%
46.0	59.934	4.992	2349.644	0.18%	95.92%
47.0	54.192	4.539	2354.183	0.16%	96.10%
48.0	49.415	4.188	2358.371	0.15%	96.27%
49.0	46.343	3.932	2362.303	0.14%	96.43%
50.0	43.870	3.761	2366.065	0.13%	96.59%
51.0	42.443	3.652	2369.716	0.13%	96.74%
52.0	41.580	3.606	2373.322	0.13%	96.88%
53.0	40.776	3.582	2376.904	0.13%	97.03%
54.0	40.205	3.569	2380.474	0.13%	97.17%
55.0	39.949	3.578	2384.052	0.13%	97.32%
56.0	39.430	3.587	2387.639	0.13%	97.47%
57.0	38.464	3.561	2391.2	0.12%	97.61%
58.0	37.147	3.497	2394.697	0.12%	97.76%
59.0	35.194	3.382	2398.079	0.12%	97.89%
60.0	32.553	3.201	2401.279	0.11%	98.02%
61.0	29.971	2.984	2404.263	0.10%	98.15%
62.0	27.389	2.764	2407.027	0.10%	98.26%
63.0	24.718	2.534	2409.561	0.09%	98.36%
64.0	22.136	2.299	2411.86	0.08%	98.46%
65.0	20.402	2.105	2413.965	0.07%	98.54%
66.0	18.969	1.964	2415.93	0.07%	98.62%
67.0	17.871	1.852	2417.782	0.06%	98.70%
68.0	17.089	1.771	2419.553	0.06%	98.77%
69.0	16.423	1.710	2421.263	0.06%	98.84%
70.0	15.852	1.658	2422.92	0.06%	98.91%
71.0	15.340	1.612	2424.533	0.06%	98.97%
72.0	14.901	1.572	2426.105	0.06%	99.04%
73.0	14.528	1.539	2427.644	0.05%	99.10%
74.0	14.192	1.510	2429.154	0.05%	99.16%
75.0	13.877	1.483	2430.637	0.05%	99.22%

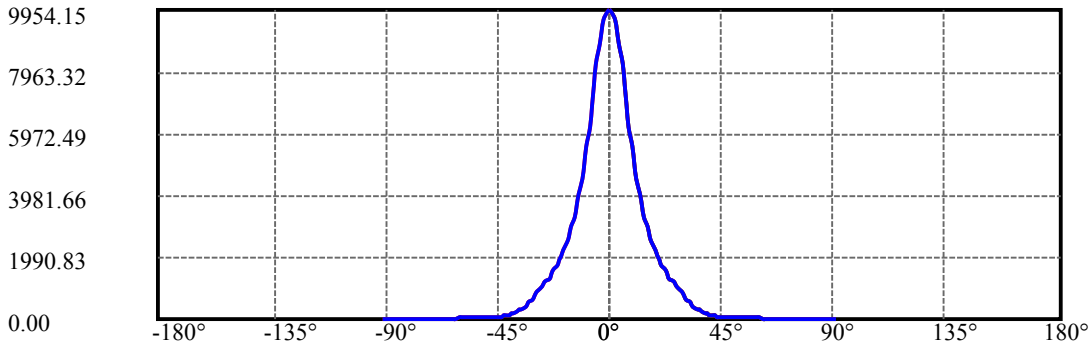
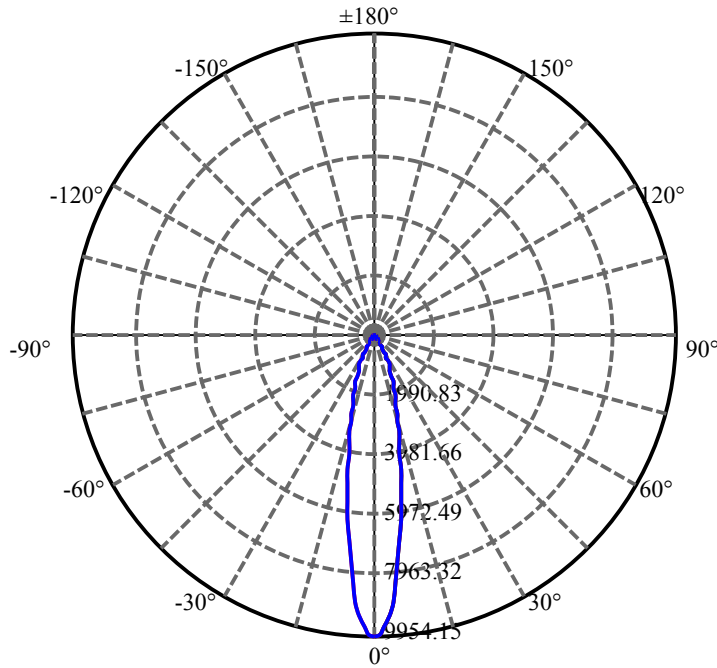
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.599	1.459	2432.095	0.05%	99.28%
77.0	13.314	1.435	2433.53	0.05%	99.34%
78.0	12.999	1.409	2434.939	0.05%	99.40%
79.0	12.685	1.380	2436.319	0.05%	99.45%
80.0	12.356	1.350	2437.669	0.05%	99.51%
81.0	12.019	1.318	2438.987	0.05%	99.56%
82.0	11.734	1.288	2440.275	0.05%	99.62%
83.0	11.405	1.258	2441.533	0.04%	99.67%
84.0	11.163	1.229	2442.762	0.04%	99.72%
85.0	10.907	1.205	2443.967	0.04%	99.77%
86.0	10.702	1.181	2445.148	0.04%	99.81%
87.0	10.519	1.161	2446.309	0.04%	99.86%
88.0	10.322	1.142	2447.451	0.04%	99.91%
89.0	10.183	1.124	2448.575	0.04%	99.95%
90.0	10.146	1.115	2449.69	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2086.22	73.20%	85.16%
0-40	2308.23	80.99%	94.23%
0-60	2401.28	84.26%	98.02%
0-90	2448.58	85.91%	99.95%
0-120	2448.58	85.91%	99.95%
0-180	2449.69	85.95%	100.00%
60-90	47.30	1.66%	1.93%
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%
0-27.28	1959.75	68.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	672.57
10-20	840.78
20-30	572.88
30-40	222.00
40-50	57.84
50-60	35.21
60-70	21.64
70-80	14.75
80-90	10.91
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



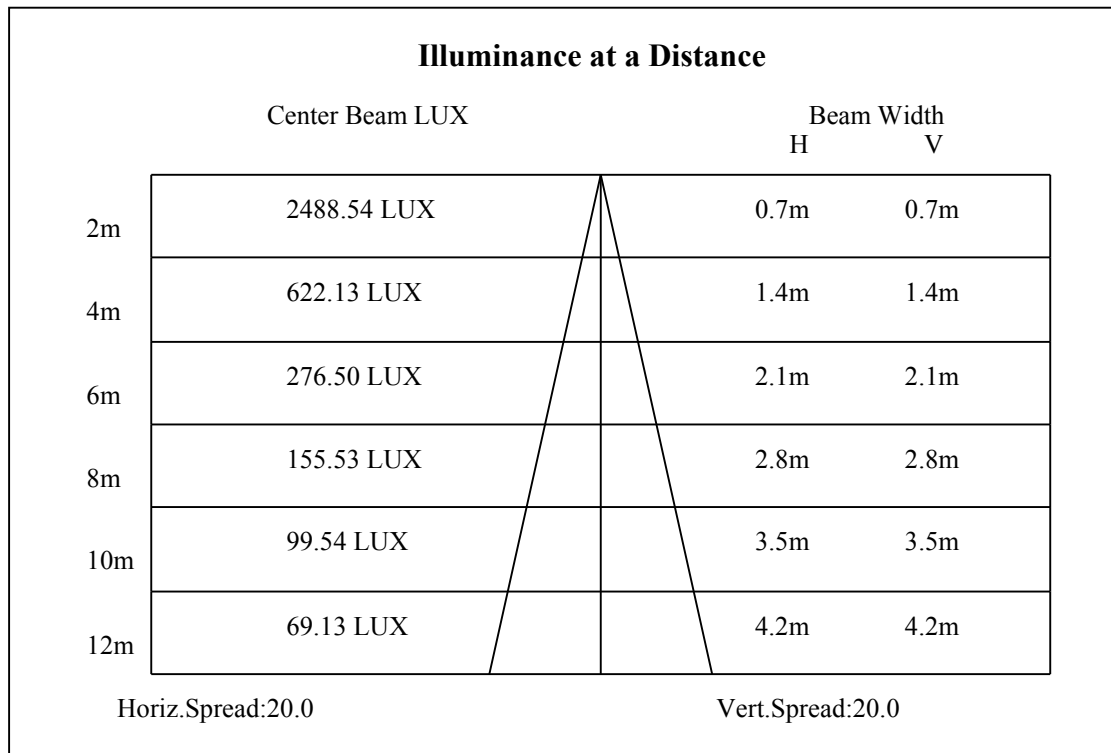
C0(Max): —————

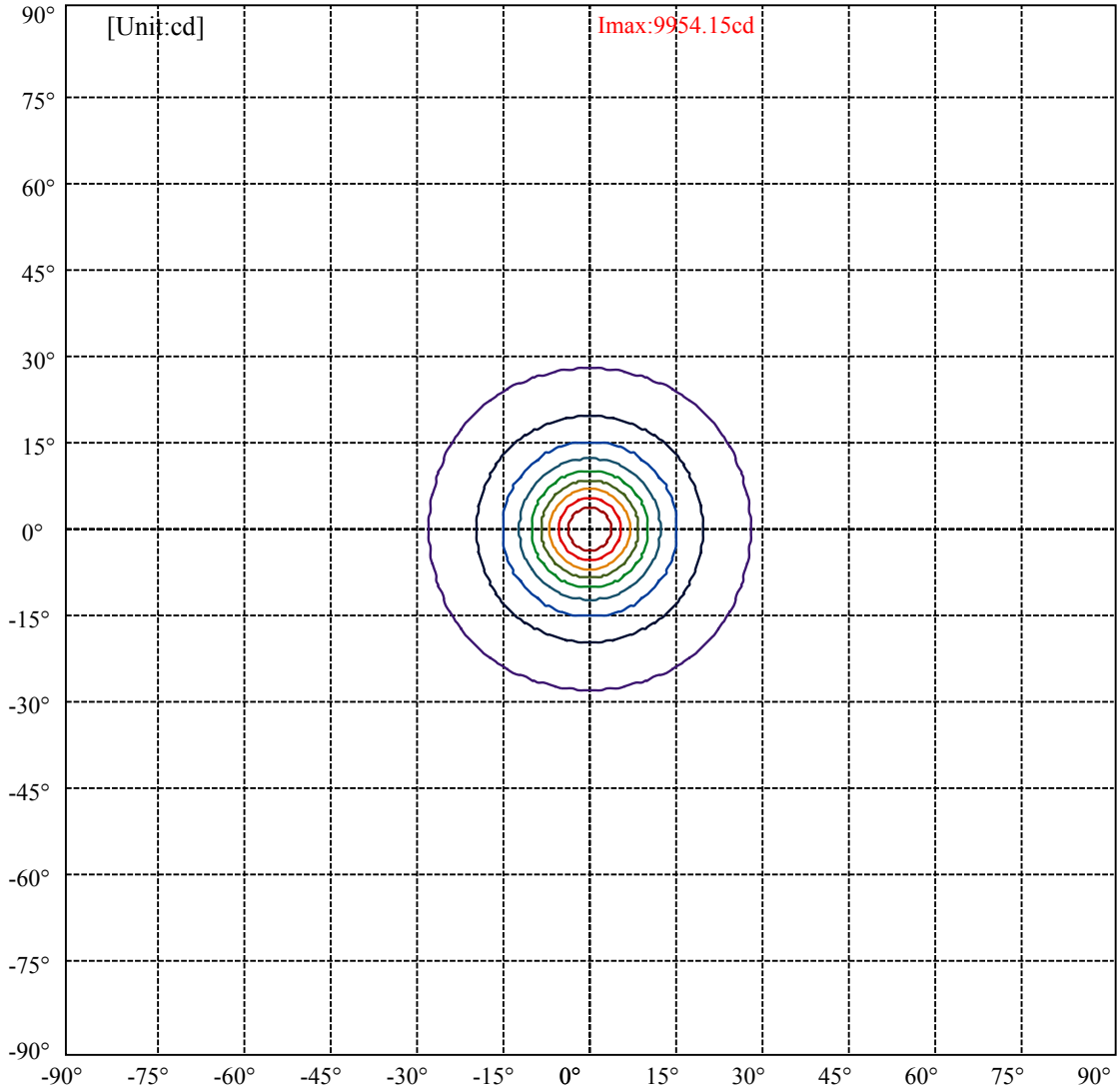
C0/C180: —————

C90/C270: —————

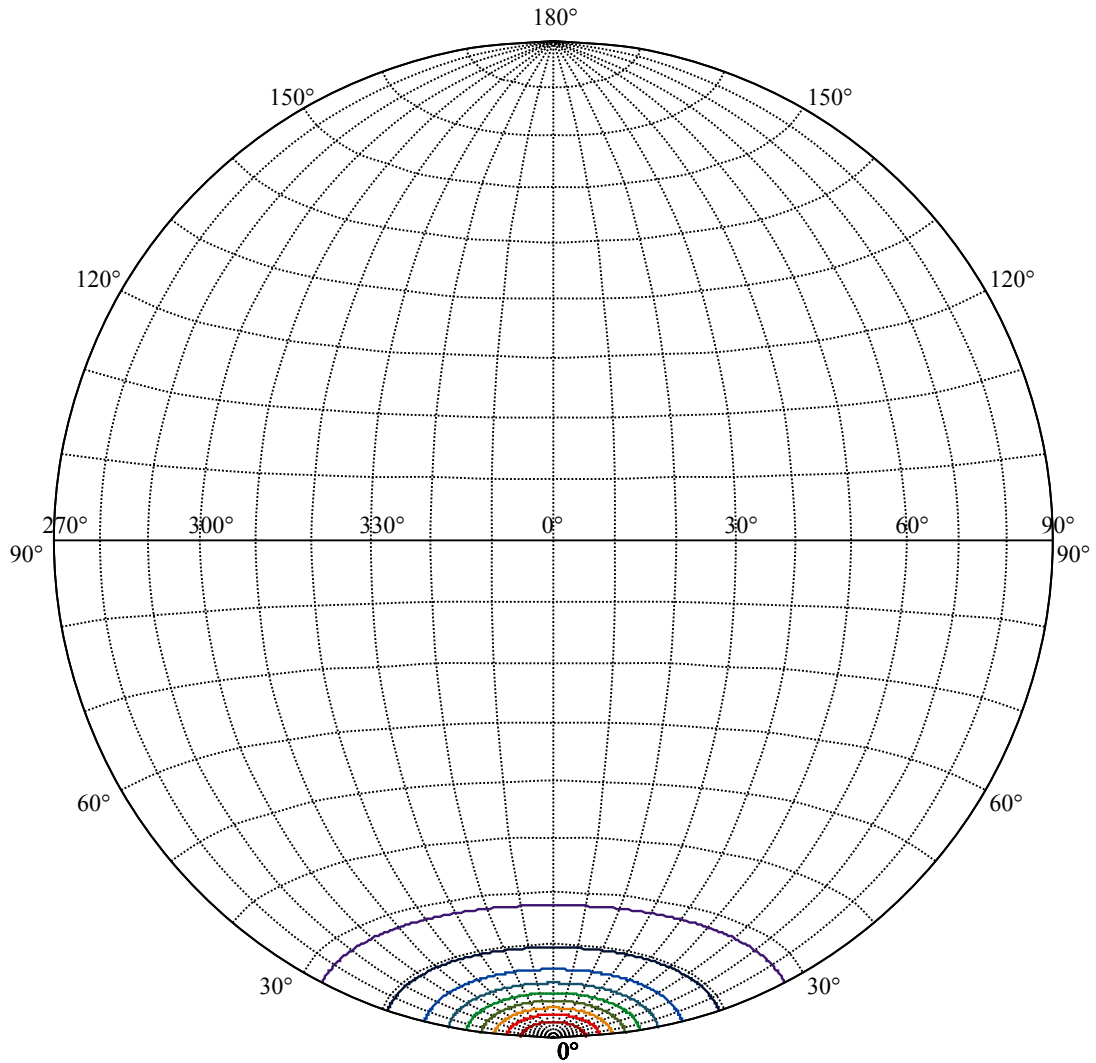
Field angle(10%Imax):C0/180Left:27.6 Right:27.6
:C90/270Left:27.6 Right:27.6

Beam Angle(50%Imax):C0/180Left:10.0 Right:10.0
:C90/270Left:10.0 Right:10.0





(10%Imax) 995.415	—
(20%Imax) 1990.83	—
(30%Imax) 2986.25	—
(40%Imax) 3981.66	—
(50%Imax) 4977.08	—
(60%Imax) 5972.49	—
(70%Imax) 6967.91	—
(80%Imax) 7963.32	—
(90%Imax) 8958.74	—



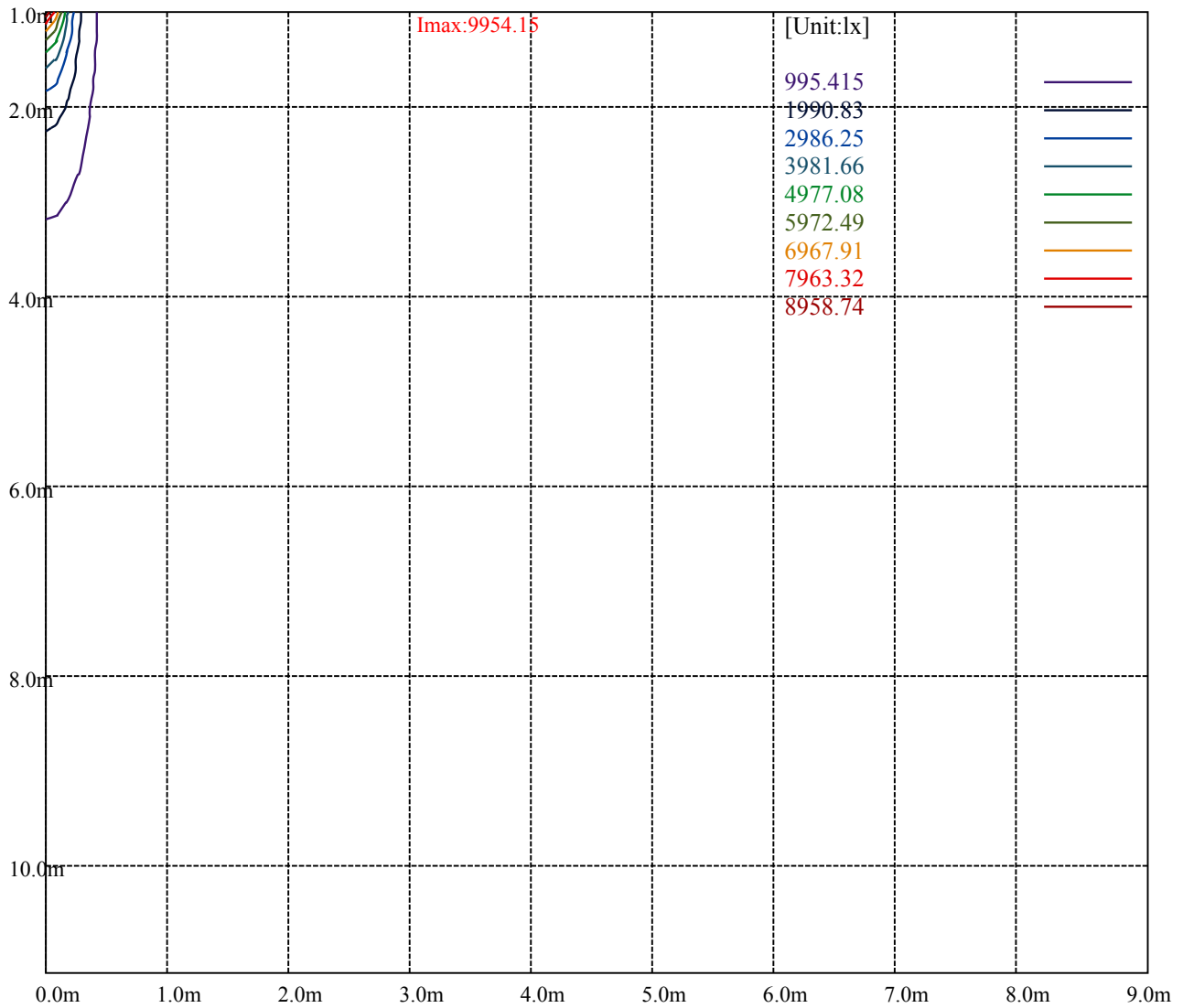
House

[Unit:cd]

Road

Imax:9954.15

(10%Imax) 995.415	—
(20%Imax) 1990.83	—
(30%Imax) 2986.25	—
(40%Imax) 3981.66	—
(50%Imax) 4977.08	—
(60%Imax) 5972.49	—
(70%Imax) 6967.91	—
(80%Imax) 7963.32	—
(90%Imax) 8958.74	—



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

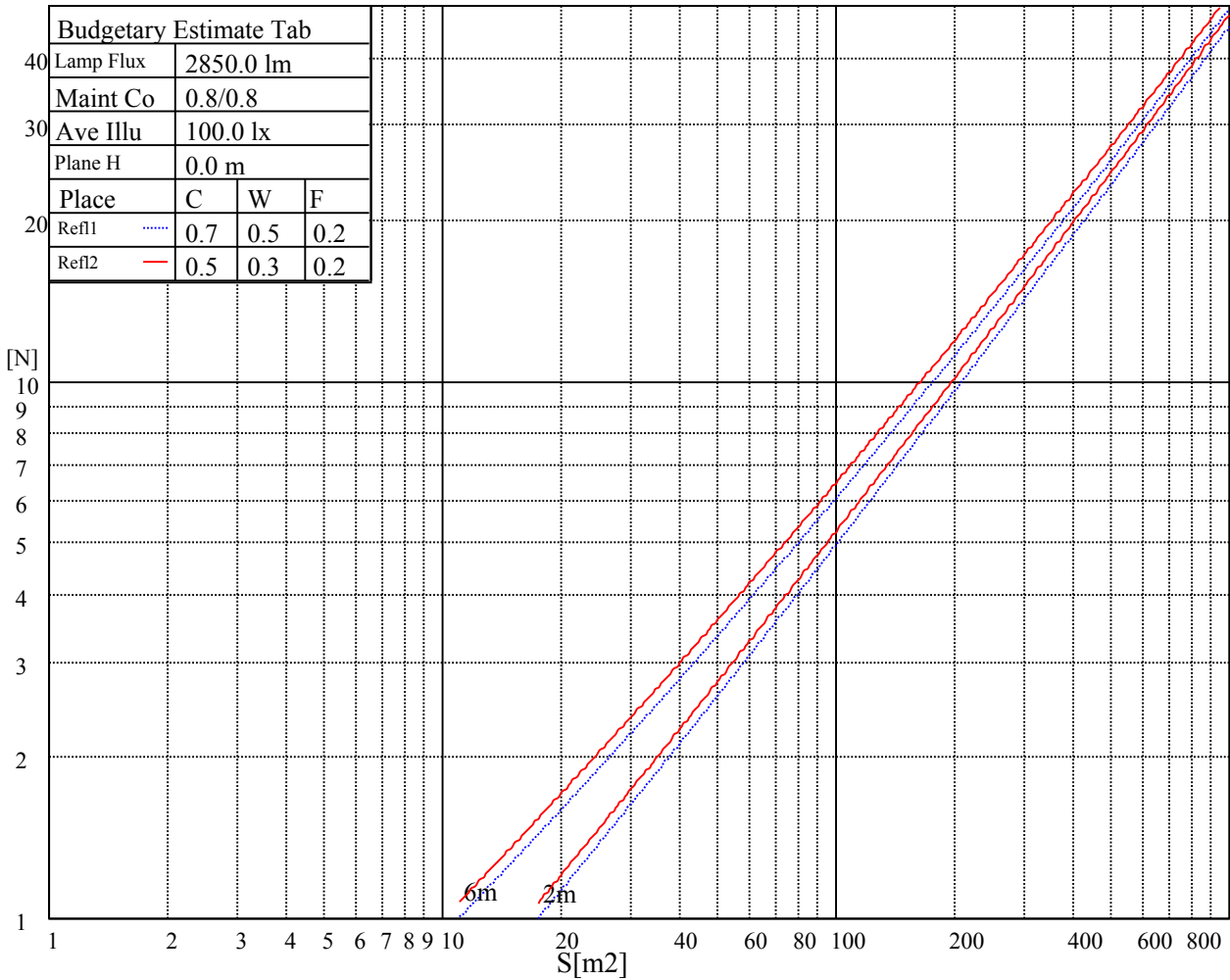
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

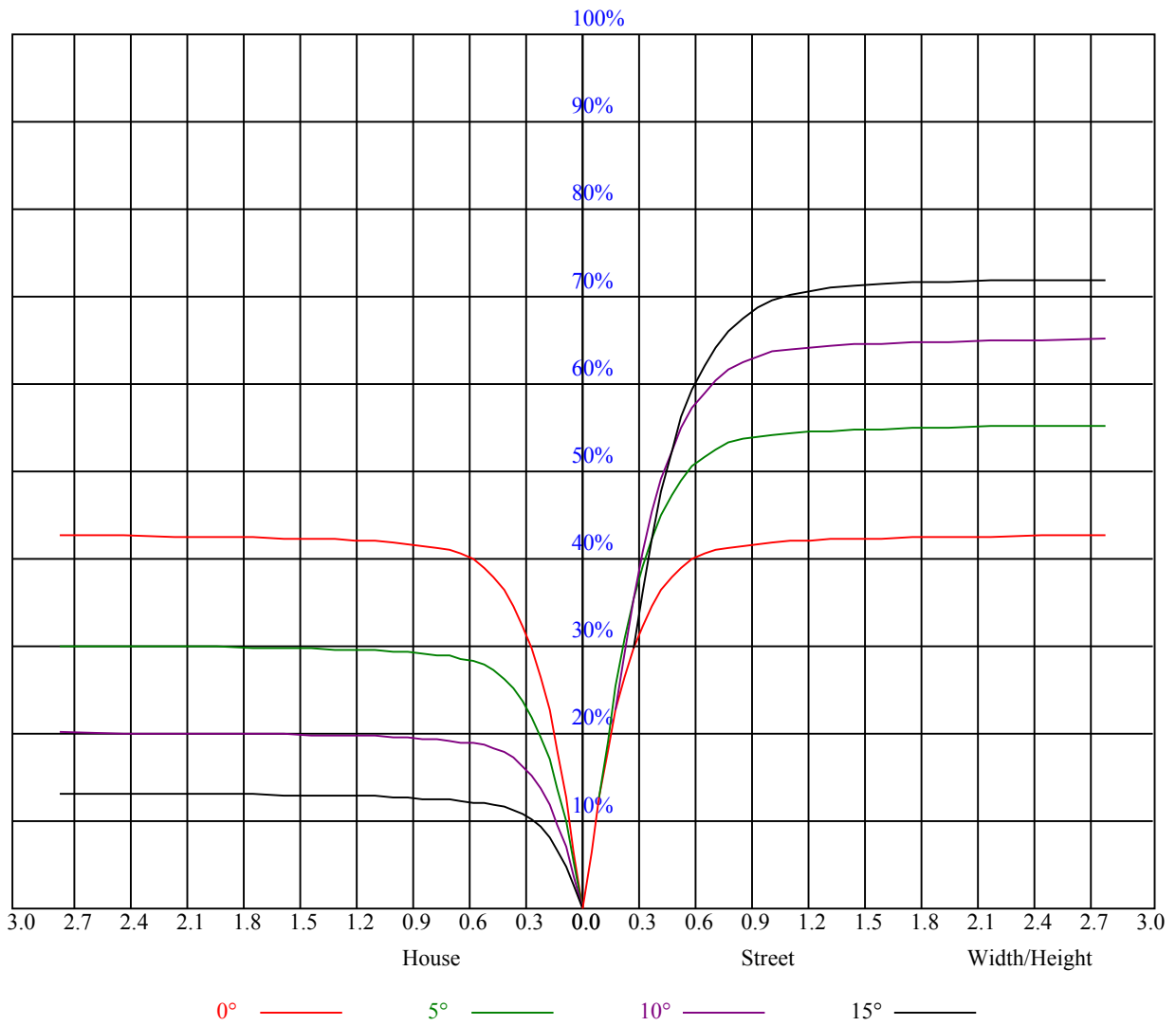


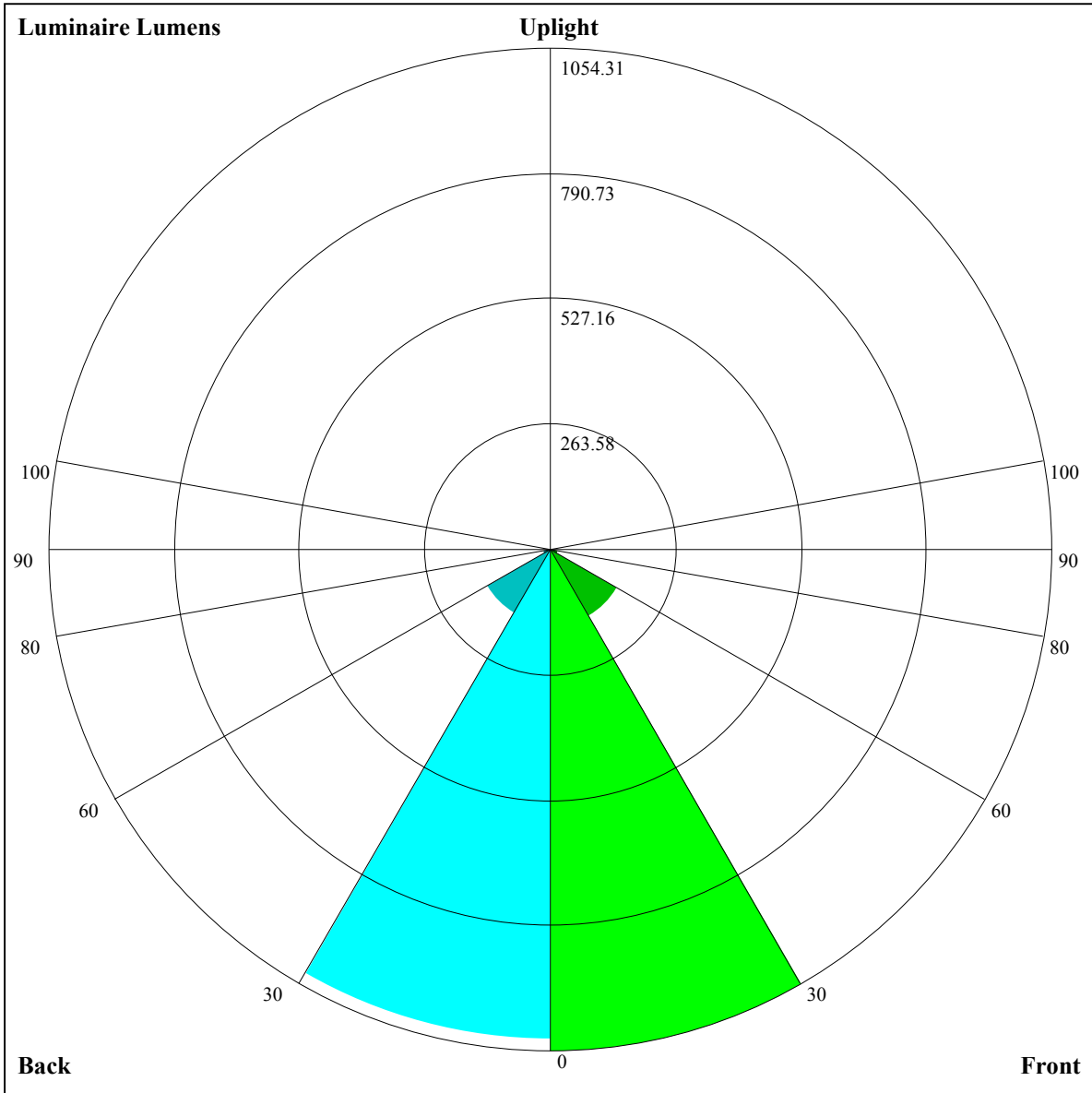
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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





Luminaire Lumens:

FL=1054.31,FM=161.91,FH=18.38,FVH=6.04

BL=1030.45,BM=156.19,BH=18.11,BVH=5.99

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	9988.09	9901.48	9703.09	9296.94	8833.44	8125.91	7510.25	6864.75	6238.56
45.0	9897.97	9986.92	9957.08	9748.74	9407.55	8946.39	8386.33	7578.14	6907.47
90.0	9981.66	9917.87	9605.36	9212.09	8705.28	8083.77	7258.60	6611.35	5999.20
135.0	9948.88	9958.83	9863.44	9597.75	9076.90	8525.62	7875.43	7208.86	6401.83
180.0	9988.09	9911.43	9715.96	9376.53	8923.57	8213.11	7562.34	6871.77	6226.85
225.0	9897.97	9688.46	9257.73	8803.60	8263.44	7458.75	6796.28	6004.47	5424.51
270.0	9981.66	9926.64	9691.38	9376.53	8964.54	8340.69	7749.02	7098.84	6317.56
315.0	9948.88	9738.20	9464.32	8972.14	8482.31	7915.81	7135.12	6502.49	5901.47
360.0	9988.09	9901.48	9703.09	9296.94	8833.44	8125.91	7510.25	6864.75	6238.56
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5512.88	4994.95	4525.60	4113.61	3637.23	3303.07	3008.12	2673.95	2442.20
45.0	6272.50	5543.31	5018.95	4550.77	4037.53	3661.23	3320.04	2948.42	2688.58
90.0	5432.70	4790.71	4338.92	3832.70	3474.54	3162.61	2817.33	2573.29	2360.86
135.0	5813.10	5267.67	4769.06	4224.21	3835.62	3396.70	3094.14	2819.09	2517.11
180.0	5506.44	4963.94	4484.64	3969.64	3609.14	3207.09	2920.33	2664.59	2453.91
225.0	4884.35	4427.29	3913.46	3561.15	3243.38	2964.81	2652.30	2432.25	2241.47
270.0	5739.36	5189.25	4683.61	4130.58	3740.82	3406.07	3101.17	2767.59	2540.52
315.0	5341.99	4724.58	4285.08	3887.71	3530.72	3137.45	2864.73	2617.18	2345.06
360.0	5512.88	4994.95	4525.60	4113.61	3637.23	3303.07	3008.12	2673.95	2442.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2247.91	2035.47	1885.65	1749.88	1593.04	1480.68	1374.17	1149.15	1149.15
45.0	2515.94	2268.39	2051.27	1900.28	1761.59	1603.58	1492.97	1389.97	1267.07
90.0	2133.79	1975.19	1829.47	1697.21	1547.98	1437.37	1159.10	1159.10	1110.87
135.0	2314.62	2134.96	1941.25	1800.80	1672.05	1555.59	1418.64	1316.81	1216.74
180.0	2208.11	2033.13	1889.16	1762.17	1595.38	1483.60	1382.95	1251.85	1159.39
225.0	2068.24	1881.56	1748.13	1594.80	1483.02	1378.85	1151.78	1151.78	1055.10
270.0	2325.16	2091.07	1937.15	1772.71	1646.30	1522.23	1422.16	1291.65	1192.75
315.0	2157.78	1996.26	1816.01	1686.09	1565.54	1431.52	1152.19	1152.19	1127.08
360.0	2247.91	2035.47	1885.65	1749.88	1593.04	1480.68	1374.17	1149.15	1149.15
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1049.89	953.74	836.23	741.95	645.09	551.05	443.60	372.85	318.13
45.0	1170.51	1073.95	952.80	858.58	763.78	643.81	551.93	465.31	393.91
90.0	1013.90	918.16	799.65	702.74	606.35	497.38	422.59	362.84	304.43
135.0	1116.08	992.01	894.28	797.72	675.99	581.77	474.68	405.62	350.02
180.0	1064.00	938.76	839.86	741.54	615.72	522.08	437.22	354.70	304.96
225.0	936.42	835.70	734.28	633.45	516.29	431.90	364.24	309.53	254.87
270.0	1099.11	1001.38	874.38	775.48	674.24	577.09	465.90	390.40	317.25
315.0	1006.06	907.22	808.37	709.35	586.81	495.45	414.05	335.57	286.06
360.0	1049.89	953.74	836.23	741.95	645.09	551.05	443.60	372.85	318.13
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	273.07	227.13	196.17	163.69	141.86	123.31	103.70	90.53	79.12
45.0	322.52	298.52	298.52	196.99	168.49	138.93	119.44	99.72	86.55
90.0	265.34	231.52	200.91	167.84	144.78	124.36	106.80	88.72	77.07
135.0	304.38	304.38	219.69	190.14	164.45	136.59	117.92	101.95	88.02
180.0	304.96	254.05	187.27	162.46	140.40	121.20	102.36	89.25	77.72
225.0	218.93	187.10	160.41	132.61	114.41	96.56	84.74	74.50	64.61
270.0	304.96	304.96	192.89	158.71	135.66	111.84	97.03	85.21	75.20
315.0	235.79	202.49	173.64	143.61	123.66	107.39	93.99	83.10	71.46
360.0	273.07	227.13	196.17	163.69	141.86	123.31	103.70	90.53	79.12

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	69.52	59.93	54.07	49.45	46.58	44.01	42.60	41.73	40.79
45.0	74.97	63.26	56.36	51.21	46.41	43.77	41.73	40.20	39.74
90.0	68.00	58.82	53.14	48.75	46.23	44.01	42.96	41.90	40.85
135.0	74.32	65.84	59.17	52.55	49.28	45.47	43.42	42.78	42.02
180.0	66.66	59.81	54.02	48.87	46.41	43.95	42.08	41.43	40.38
225.0	58.41	53.20	48.22	45.88	43.66	42.14	41.96	41.32	40.73
270.0	65.95	60.51	55.54	50.68	46.88	44.59	42.84	41.90	41.14
315.0	63.97	58.11	53.02	47.93	45.30	43.01	41.96	41.38	40.56
360.0	69.52	59.93	54.07	49.45	46.58	44.01	42.60	41.73	40.79
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.15	40.03	39.62	38.51	37.16	35.17	32.77	30.08	28.15
45.0	39.27	38.57	38.57	38.39	37.63	36.17	34.70	32.30	29.38
90.0	40.44	40.44	39.68	38.45	37.34	35.29	32.13	29.73	26.80
135.0	40.79	40.56	40.32	39.62	38.04	36.69	34.18	30.78	28.56
180.0	39.74	39.62	39.15	38.04	37.10	34.88	32.25	29.73	27.04
225.0	40.73	40.32	39.33	38.16	35.93	33.30	30.20	27.92	24.99
270.0	40.26	40.09	39.68	38.74	37.40	35.70	33.18	30.49	27.80
315.0	40.26	39.97	39.09	37.81	36.58	34.35	31.02	28.73	26.39
360.0	40.15	40.03	39.62	38.51	37.16	35.17	32.77	30.08	28.15
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.05	22.53	20.83	19.49	18.14	17.38	16.56	16.04	15.57
45.0	27.27	24.52	22.30	20.25	18.90	17.97	17.15	16.39	15.80
90.0	24.11	21.95	20.07	18.73	17.79	16.85	16.27	15.74	15.27
135.0	25.98	22.65	21.01	19.61	18.20	17.44	16.80	16.04	15.51
180.0	24.17	21.30	19.84	18.55	17.56	16.85	16.33	15.80	15.27
225.0	22.41	20.31	18.90	17.91	17.21	16.44	15.92	15.45	14.92
270.0	25.11	22.41	20.66	18.84	17.79	17.03	16.33	15.80	15.27
315.0	23.64	21.42	19.61	18.38	17.38	16.74	16.04	15.57	15.10
360.0	25.05	22.53	20.83	19.49	18.14	17.38	16.56	16.04	15.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.98	14.69	14.34	13.99	13.69	13.40	13.11	12.76	12.47
45.0	15.27	14.86	14.46	14.16	13.81	13.52	13.28	12.99	12.64
90.0	14.81	14.40	14.10	13.81	13.52	13.28	12.93	12.64	12.29
135.0	15.10	14.69	14.28	13.99	13.69	13.46	13.11	12.87	12.47
180.0	14.86	14.51	14.22	13.87	13.64	13.34	12.93	12.64	12.35
225.0	14.57	14.22	13.87	13.58	13.34	12.93	12.64	12.29	12.00
270.0	14.86	14.51	14.22	13.87	13.58	13.40	13.11	12.70	12.41
315.0	14.75	14.34	14.05	13.75	13.52	13.17	12.87	12.58	12.23
360.0	14.98	14.69	14.34	13.99	13.69	13.40	13.11	12.76	12.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.17	11.82	11.53	11.29	11.06	10.83	10.65	10.42	10.24
45.0	12.29	12.06	11.70	11.47	11.18	10.94	10.71	10.59	10.36
90.0	11.94	11.70	11.35	11.12	10.89	10.71	10.53	10.30	10.18
135.0	12.17	11.88	11.47	11.24	10.94	10.77	10.59	10.36	10.18
180.0	11.94	11.70	11.35	11.06	10.89	10.59	10.48	10.24	10.12
225.0	11.65	11.35	11.12	10.89	10.65	10.53	10.30	10.18	10.18
270.0	12.11	11.76	11.41	11.18	10.83	10.65	10.48	10.24	10.12
315.0	11.88	11.59	11.29	11.06	10.83	10.59	10.42	10.24	10.07
360.0	12.17	11.82	11.53	11.29	11.06	10.83	10.65	10.42	10.24

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.18
45.0	10.18
90.0	10.12
135.0	10.12
180.0	10.12
225.0	10.18
270.0	10.12
315.0	10.12
360.0	10.18