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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.411.00

Report No: 2024330-B004

Ballast type: AC

Test No: 2024330-C004

Voltage(V): 34.060

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.618

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2408.74, Efficiency(%): 84.52% , Luminous Efficacy(lm/W): 122.78

Central intensity(cd): 7945.659, Maximum intensity(cd): 7945.659

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=60.8

[C90/270]Total=60.8

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

Maximum s/h(1/4): C0_180=0.47 C90_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.52%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.927%

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	7945.658	0.000	0	0.00%	0.00%
1.0	7867.604	7.566	7.566	0.27%	0.31%
2.0	7653.192	22.277	29.843	0.78%	1.24%
3.0	7350.923	35.885	65.728	1.26%	2.73%
4.0	6986.401	47.992	113.72	1.68%	4.72%
5.0	6601.250	58.453	172.173	2.05%	7.15%
6.0	6206.370	67.307	239.481	2.36%	9.94%
7.0	5799.638	74.521	314.002	2.61%	13.04%
8.0	5404.172	80.184	394.185	2.81%	16.36%
9.0	5030.872	84.570	478.756	2.97%	19.88%
10.0	4665.984	87.753	566.509	3.08%	23.52%
11.0	4293.196	89.521	656.029	3.14%	27.24%
12.0	3968.689	90.314	746.343	3.17%	30.98%
13.0	3654.862	90.472	836.816	3.17%	34.74%
14.0	3343.961	89.584	926.4	3.14%	38.46%
15.0	3073.441	88.101	1014.501	3.09%	42.12%
16.0	2817.112	86.313	1100.814	3.03%	45.70%
17.0	2601.603	84.384	1185.198	2.96%	49.20%
18.0	2396.409	82.406	1267.605	2.89%	52.63%
19.0	2210.380	80.149	1347.753	2.81%	55.95%
20.0	2037.446	77.747	1425.5	2.73%	59.18%
21.0	1887.555	75.368	1500.868	2.64%	62.31%
22.0	1749.735	73.093	1573.961	2.56%	65.34%
23.0	1622.741	70.764	1644.725	2.48%	68.28%
24.0	1504.599	68.375	1713.1	2.40%	71.12%
25.0	1367.678	65.309	1778.409	2.29%	73.83%
26.0	1251.350	61.822	1840.231	2.17%	76.40%
27.0	1185.680	59.622	1899.854	2.09%	78.87%
28.0	1069.601	57.099	1956.953	2.00%	81.24%
29.0	956.645	53.012	2009.965	1.86%	83.44%
30.0	842.080	48.565	2058.53	1.70%	85.46%
31.0	726.754	43.658	2102.189	1.53%	87.27%
32.0	616.220	38.475	2140.663	1.35%	88.87%
33.0	515.027	33.327	2173.99	1.17%	90.25%
34.0	423.974	28.417	2202.407	1.00%	91.43%
35.0	334.610	23.559	2225.966	0.83%	92.41%
36.0	270.469	19.266	2245.232	0.68%	93.21%
37.0	235.846	16.513	2261.745	0.58%	93.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	161.361	13.258	2275.003	0.47%	94.45%
39.0	104.404	9.071	2284.075	0.32%	94.82%
40.0	84.170	6.577	2290.651	0.23%	95.10%
41.0	73.585	5.618	2296.269	0.20%	95.33%
42.0	66.591	5.093	2301.362	0.18%	95.54%
43.0	60.373	4.703	2306.065	0.17%	95.74%
44.0	55.582	4.376	2310.441	0.15%	95.92%
45.0	51.251	4.106	2314.547	0.14%	96.09%
46.0	47.542	3.864	2318.411	0.14%	96.25%
47.0	44.141	3.646	2322.057	0.13%	96.40%
48.0	41.112	3.446	2325.504	0.12%	96.54%
49.0	38.471	3.268	2328.772	0.11%	96.68%
50.0	36.167	3.112	2331.884	0.11%	96.81%
51.0	34.133	2.974	2334.858	0.10%	96.93%
52.0	32.334	2.852	2337.71	0.10%	97.05%
53.0	30.797	2.746	2340.456	0.10%	97.17%
54.0	29.664	2.665	2343.121	0.09%	97.28%
55.0	28.786	2.609	2345.73	0.09%	97.38%
56.0	28.274	2.578	2348.309	0.09%	97.49%
57.0	28.018	2.574	2350.882	0.09%	97.60%
58.0	28.135	2.597	2353.479	0.09%	97.71%
59.0	28.391	2.643	2356.122	0.09%	97.82%
60.0	28.632	2.694	2358.816	0.09%	97.93%
61.0	28.566	2.730	2361.545	0.10%	98.04%
62.0	27.981	2.725	2364.27	0.10%	98.15%
63.0	26.876	2.668	2366.938	0.09%	98.26%
64.0	25.172	2.554	2369.492	0.09%	98.37%
65.0	23.270	2.397	2371.889	0.08%	98.47%
66.0	21.229	2.220	2374.11	0.08%	98.56%
67.0	19.525	2.049	2376.159	0.07%	98.65%
68.0	18.076	1.905	2378.064	0.07%	98.73%
69.0	17.111	1.795	2379.859	0.06%	98.80%
70.0	16.335	1.718	2381.576	0.06%	98.87%
71.0	15.830	1.662	2383.239	0.06%	98.94%
72.0	15.377	1.623	2384.861	0.06%	99.01%
73.0	14.974	1.587	2386.449	0.06%	99.07%
74.0	14.594	1.554	2388.003	0.05%	99.14%
75.0	14.287	1.526	2389.529	0.05%	99.20%

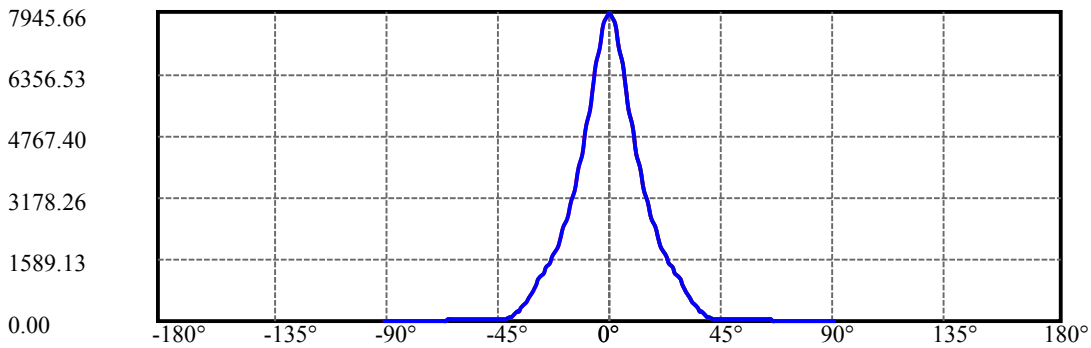
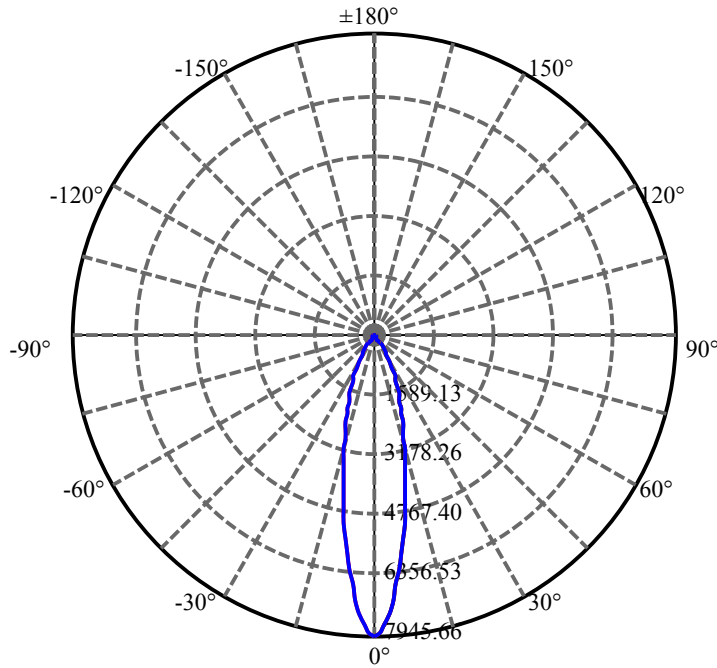
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.958	1.499	2391.028	0.05%	99.26%
77.0	13.628	1.471	2392.499	0.05%	99.33%
78.0	13.270	1.440	2393.939	0.05%	99.39%
79.0	12.897	1.406	2395.345	0.05%	99.44%
80.0	12.538	1.371	2396.716	0.05%	99.50%
81.0	12.143	1.335	2398.051	0.05%	99.56%
82.0	11.770	1.297	2399.348	0.05%	99.61%
83.0	11.448	1.262	2400.61	0.04%	99.66%
84.0	11.163	1.232	2401.842	0.04%	99.71%
85.0	10.900	1.204	2403.046	0.04%	99.76%
86.0	10.644	1.178	2404.224	0.04%	99.81%
87.0	10.439	1.154	2405.377	0.04%	99.86%
88.0	10.271	1.134	2406.512	0.04%	99.91%
89.0	10.146	1.119	2407.631	0.04%	99.95%
90.0	10.117	1.111	2408.742	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2058.53	72.23%	85.46%
0-40	2290.65	80.37%	95.10%
0-60	2358.82	82.77%	97.93%
0-90	2407.63	84.48%	99.95%
0-120	2407.63	84.48%	99.95%
0-180	2408.74	84.52%	100.00%
60-90	48.82	1.71%	2.03%
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%
0-27.48	1926.99	67.61%	80.00%

ZONAL LUMEN SUMMARY

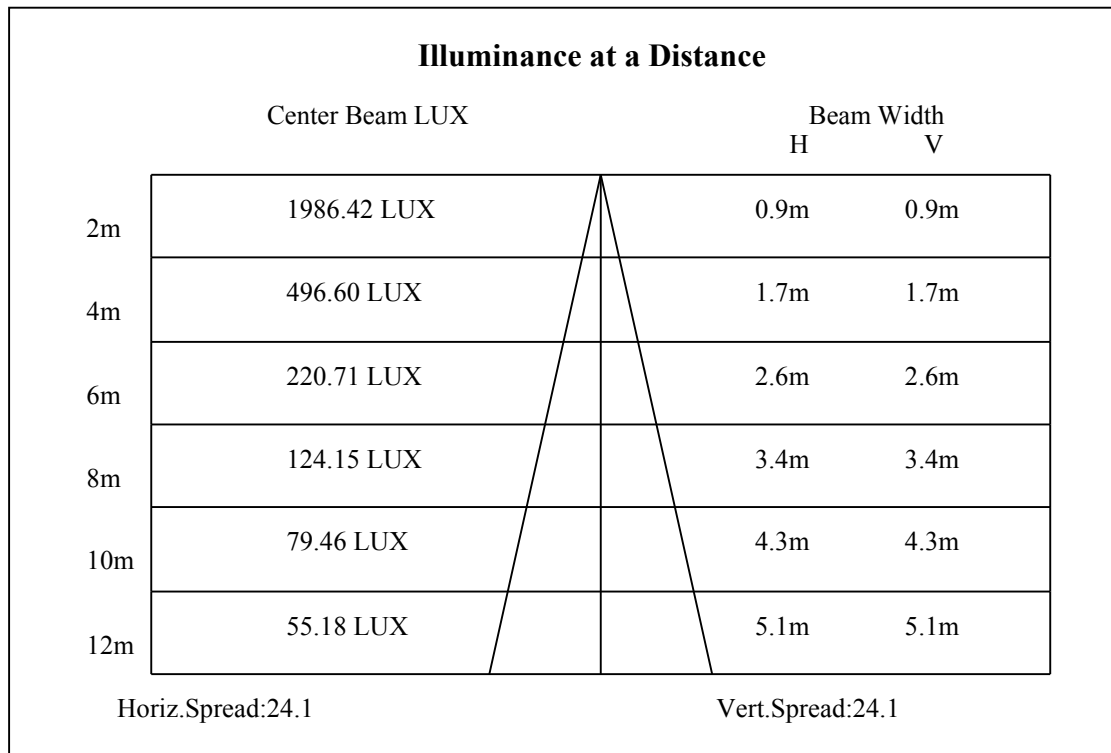
0-10	566.51
10-20	858.99
20-30	633.03
30-40	232.12
40-50	41.23
50-60	26.93
60-70	22.76
70-80	15.14
80-90	10.91
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

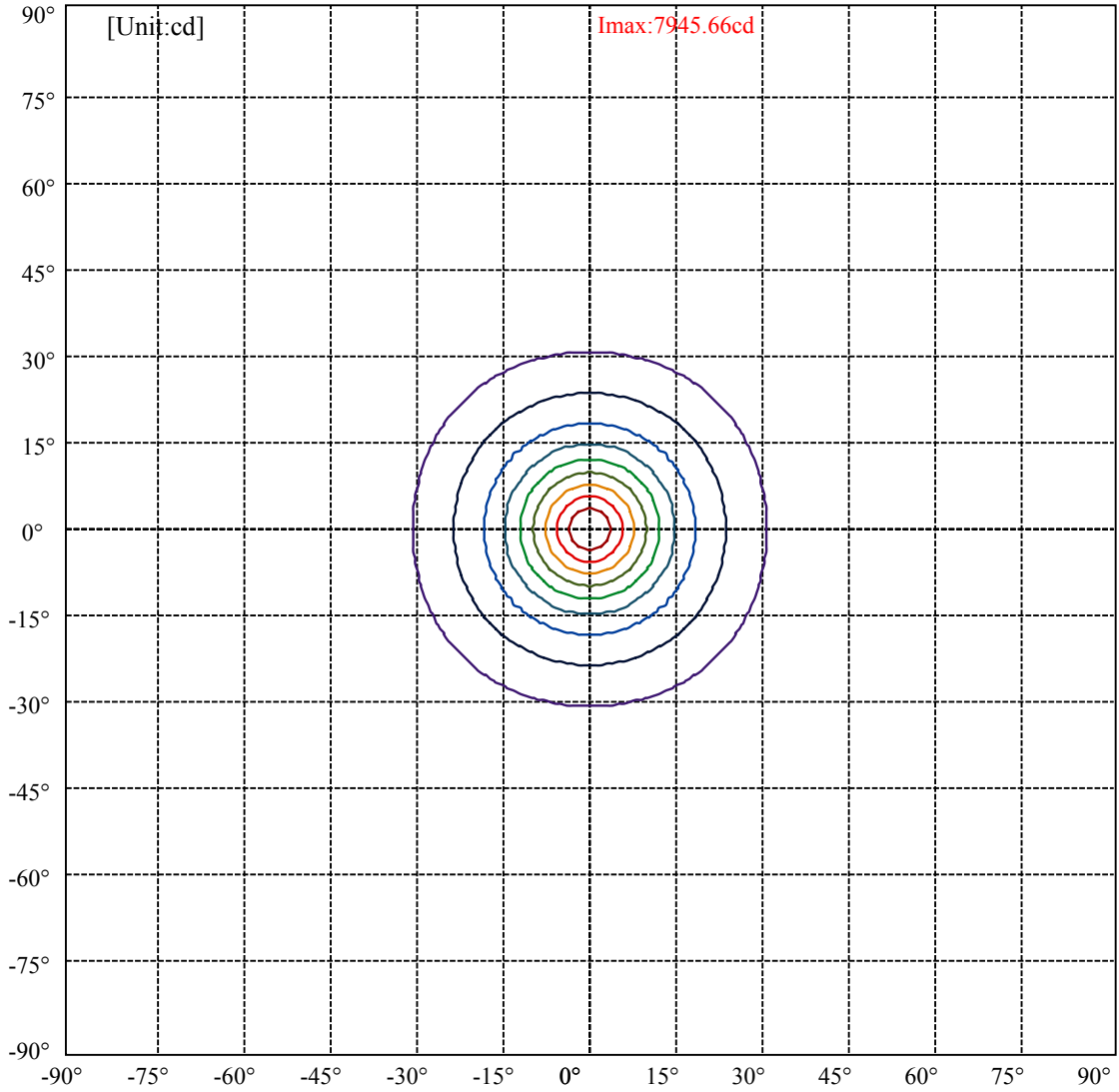


C0(Max): —————
C0/C180: —————
C90/C270: —————

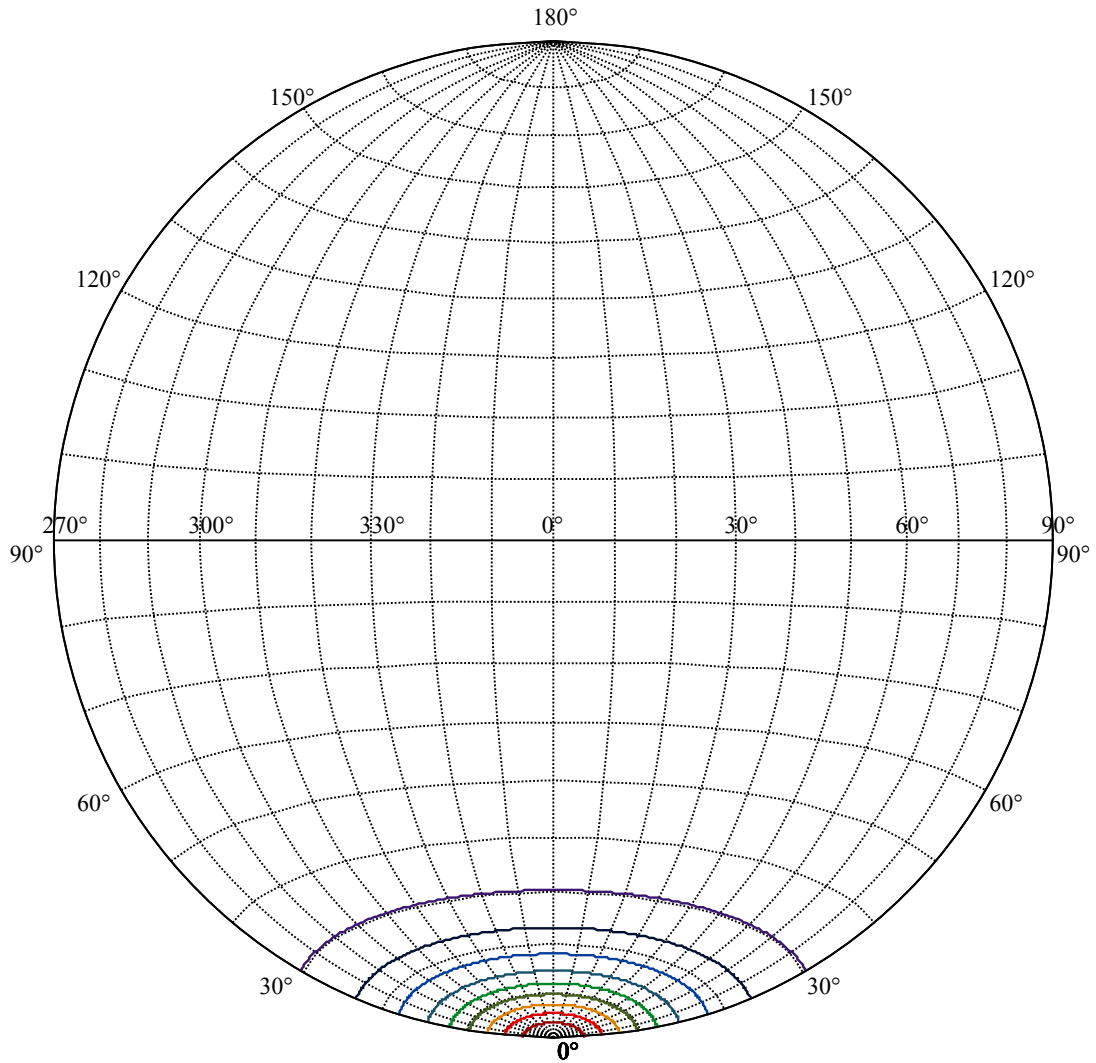
Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

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





(10%Imax) 794.566	—
(20%Imax) 1589.13	—
(30%Imax) 2383.7	—
(40%Imax) 3178.26	—
(50%Imax) 3972.83	—
(60%Imax) 4767.4	—
(70%Imax) 5561.96	—
(80%Imax) 6356.53	—
(90%Imax) 7151.09	—



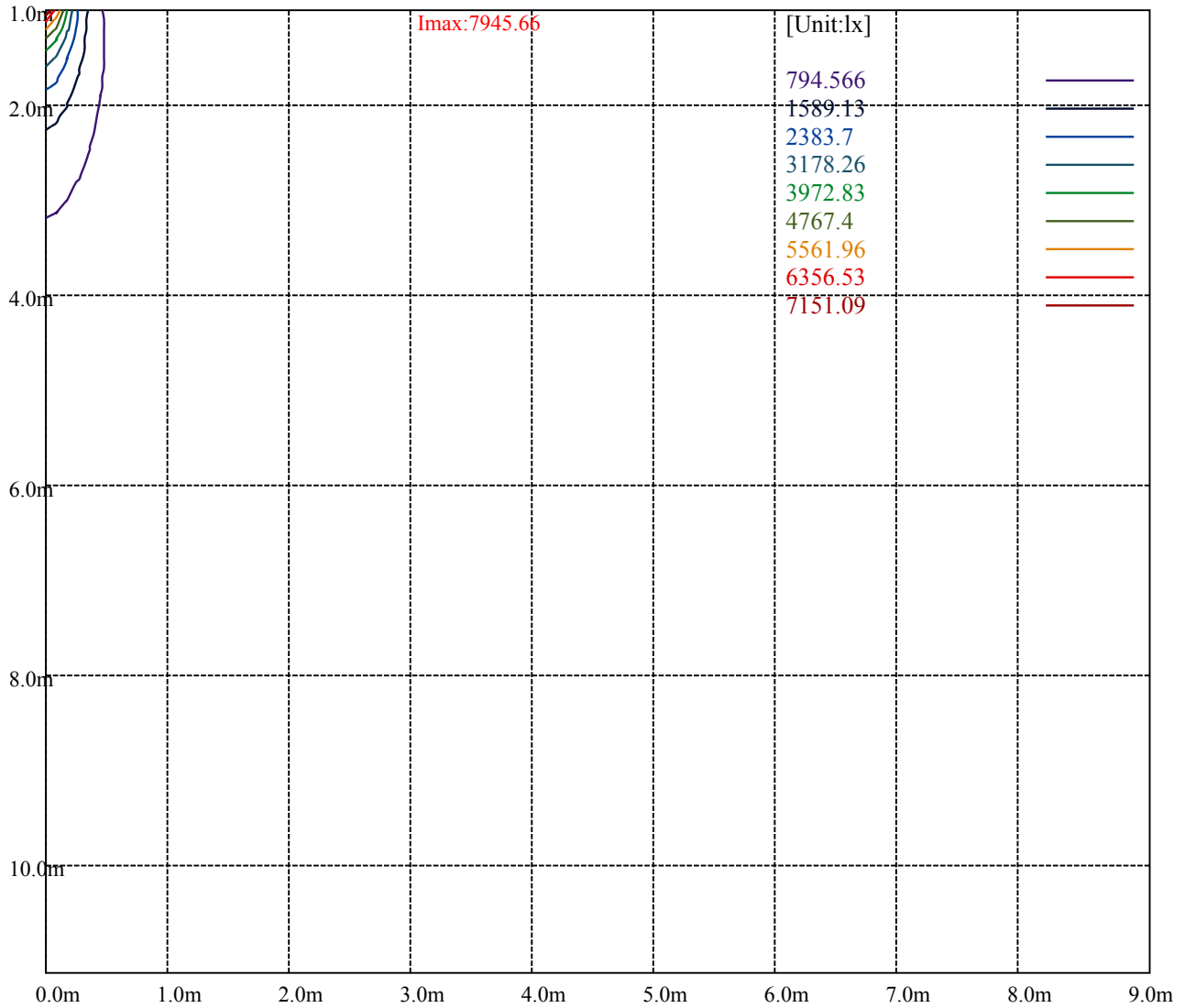
House

[Unit:cd]

Road

Imax:7945.66

(10%Imax) 794.566	—
(20%Imax) 1589.13	—
(30%Imax) 2383.7	—
(40%Imax) 3178.26	—
(50%Imax) 3972.83	—
(60%Imax) 4767.4	—
(70%Imax) 5561.96	—
(80%Imax) 6356.53	—
(90%Imax) 7151.09	—



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

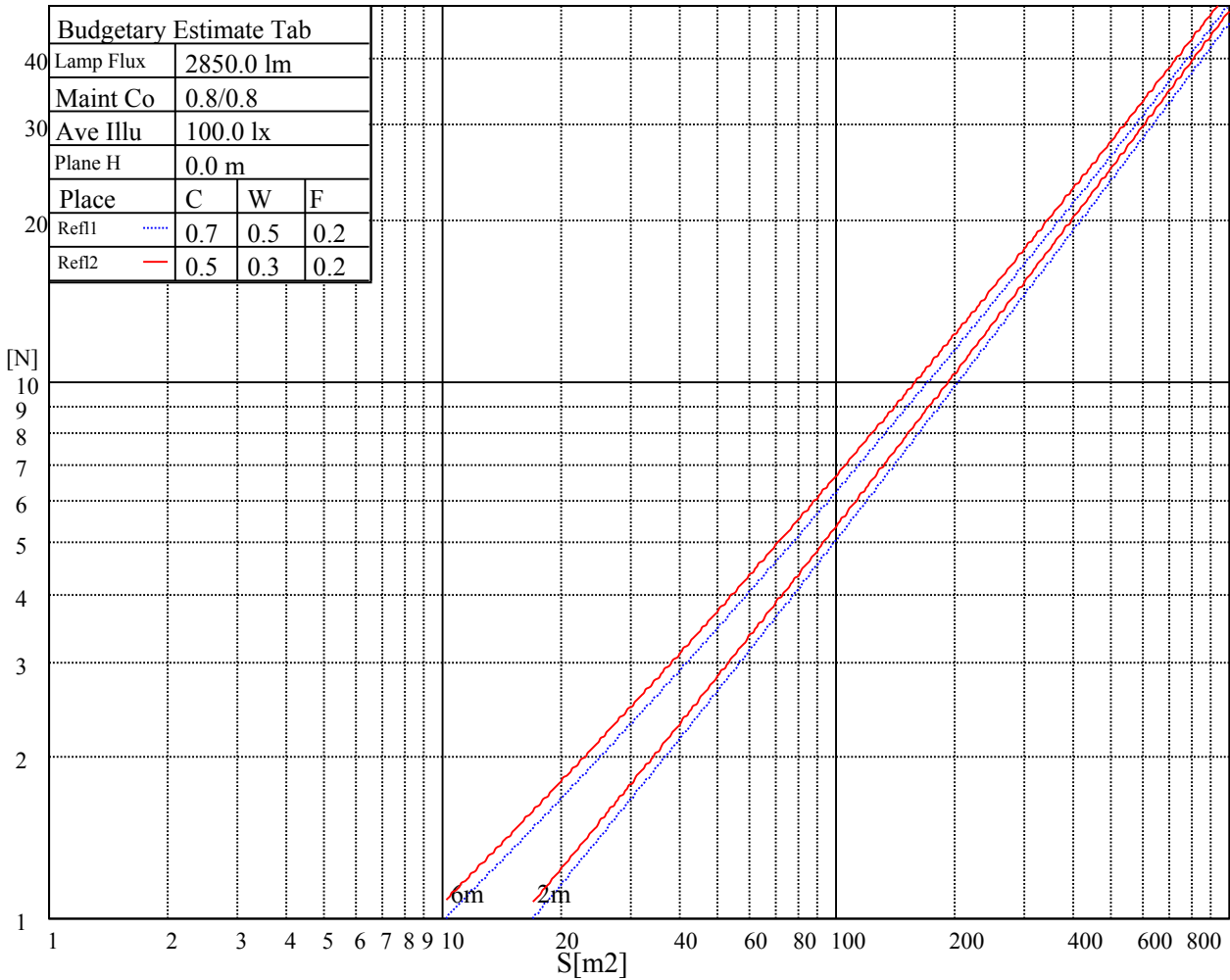
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

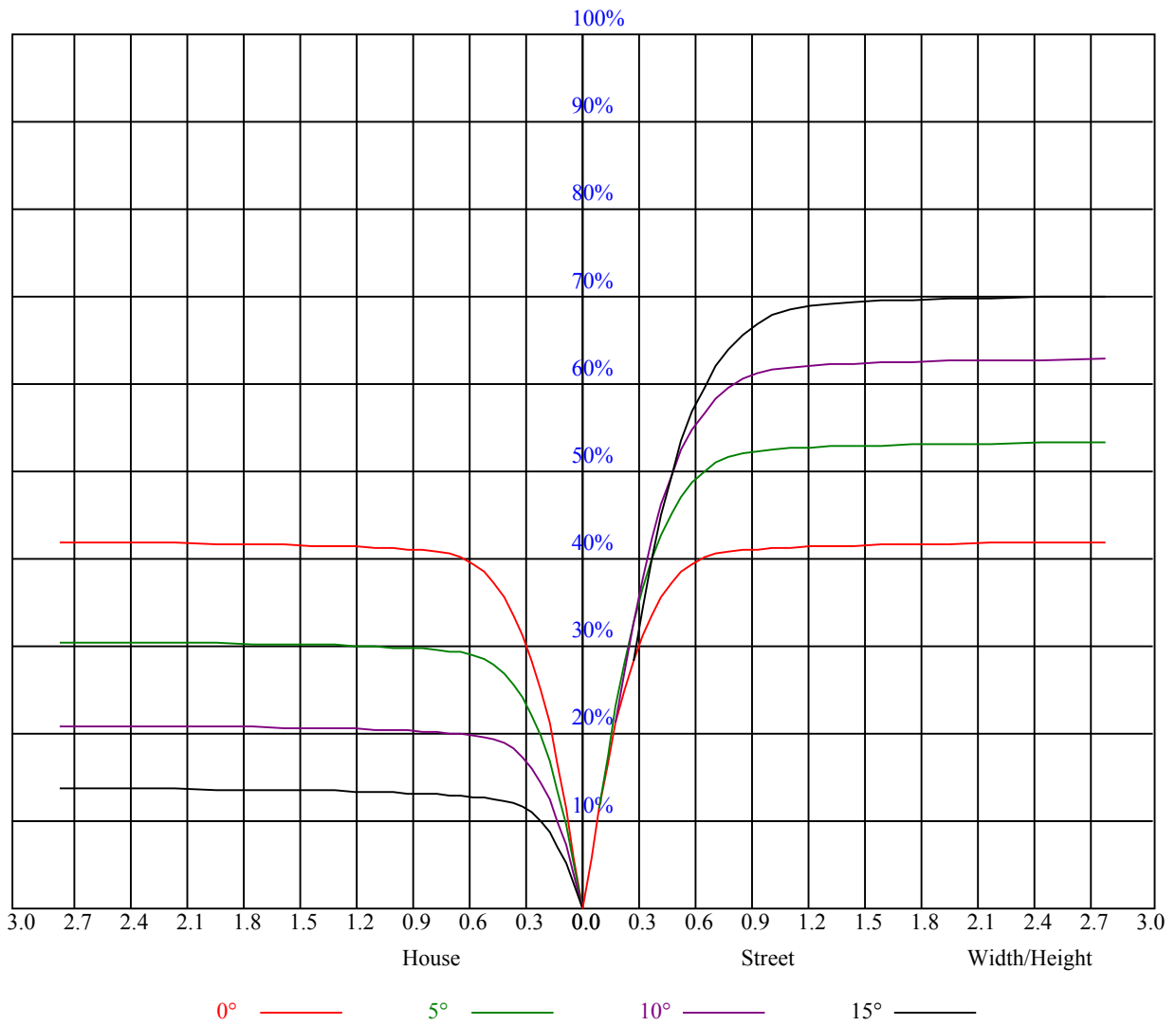


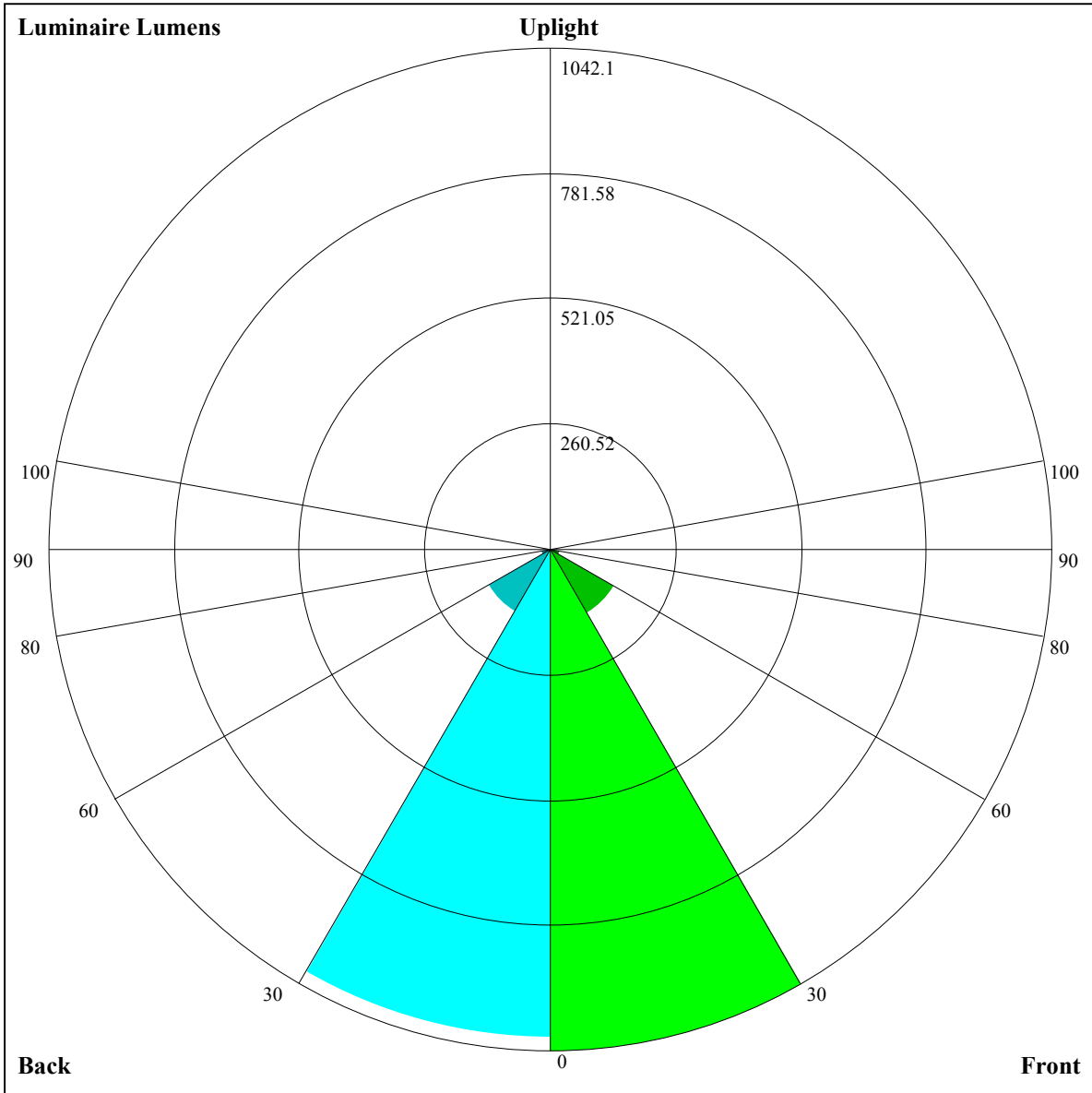
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	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	0.90	0.92	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	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
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=1042.1,FM=154.01,FH=19.07,FVH=6.06

BL=1015.93,BM=149.34,BH=18.84,BVH=6

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	7993.06	7929.27	7740.83	7465.19	7056.70	6692.69	6325.17	5953.55	5495.91
45.0	7863.73	7974.33	7924.59	7739.07	7466.94	7043.24	6673.96	6213.39	5848.80
90.0	7960.29	7813.40	7575.80	7186.62	6838.41	6469.14	6007.98	5645.14	5291.08
135.0	7965.56	7941.56	7784.14	7450.56	7122.25	6762.33	6395.98	5934.24	5572.57
180.0	7993.06	7874.26	7645.44	7340.54	6912.15	6547.56	6175.94	5701.32	5341.41
225.0	7863.73	7636.66	7247.48	6897.52	6527.66	6154.28	5686.10	5319.75	4965.11
270.0	7960.29	7924.01	7754.29	7485.09	7073.09	6707.91	6331.61	5951.80	5494.74
315.0	7965.56	7847.34	7552.97	7242.80	6894.01	6432.85	6054.21	5677.91	5223.78
360.0	7993.06	7929.27	7740.83	7465.19	7056.70	6692.69	6325.17	5953.55	5495.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5138.33	4787.20	4364.08	4041.62	3660.06	3382.66	3121.65	2823.18	2607.24
45.0	5487.13	5133.65	4699.42	4367.01	4050.40	3746.08	3395.53	3131.01	2891.66
90.0	4942.87	4517.41	4191.44	3878.93	3589.24	3252.15	3006.36	2781.05	2525.89
135.0	5137.16	4795.39	4462.40	4061.52	3758.96	3472.20	3207.68	2903.94	2686.24
180.0	4908.93	4563.64	4234.16	3923.41	3631.96	3290.19	3035.04	2802.12	2607.82
225.0	4619.82	4206.66	3895.90	3605.04	3263.27	3013.97	2732.47	2531.74	2344.47
270.0	5142.43	4795.39	4372.27	4051.57	3751.35	3397.29	3133.35	2835.47	2631.82
315.0	4870.30	4528.53	4125.89	3820.41	3533.65	3197.14	2955.44	2728.38	2517.70
360.0	5138.33	4787.20	4364.08	4041.62	3660.06	3382.66	3121.65	2823.18	2607.24

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2411.77	2233.86	2034.89	1886.82	1754.56	1632.84	1497.65	1402.26	1151.49
45.0	2675.12	2430.50	2259.61	2061.22	1919.60	1788.51	1638.69	1528.67	1429.76
90.0	2345.64	2182.36	1998.60	1864.00	1710.67	1598.31	1495.31	1402.26	1147.86
135.0	2490.78	2315.21	2120.33	1979.87	1848.78	1699.55	1588.94	1488.87	1371.83
180.0	2364.37	2185.29	2036.06	1866.93	1735.84	1591.29	1494.14	1396.41	1278.19
225.0	2175.34	1983.97	1845.86	1720.62	1606.50	1477.75	1386.46	1158.22	1158.22
270.0	2427.57	2239.71	2048.35	1904.38	1762.17	1645.71	1512.87	1413.96	1322.67
315.0	2280.68	2112.14	1955.88	1816.60	1659.76	1547.98	1422.74	1150.79	1150.79
360.0	2411.77	2233.86	2034.89	1886.82	1754.56	1632.84	1497.65	1402.26	1151.49

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1151.49	1063.47	958.72	825.58	721.58	622.09	502.06	414.28	334.92
45.0	1334.37	1202.70	1094.43	979.73	870.29	738.03	637.95	541.98	427.27
90.0	1147.86	1065.46	957.25	847.82	717.90	615.31	518.33	405.44	324.80
135.0	1275.26	1137.74	1022.45	915.94	808.25	678.92	580.60	485.21	398.01
180.0	1179.87	1066.34	956.32	850.98	716.96	616.89	520.91	431.37	332.47
225.0	1051.71	944.44	811.00	707.95	606.70	487.96	402.52	324.57	238.89
270.0	1220.84	1090.92	978.55	839.27	732.76	628.00	507.45	420.25	340.07
315.0	1124.04	985.75	874.44	769.40	639.59	542.56	450.39	368.69	280.44
360.0	1151.49	1063.47	958.72	825.58	721.58	622.09	502.06	414.28	334.92

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	265.22	202.49	137.70	102.00	84.51	74.44	67.24	61.51	55.77
45.0	346.51	311.40	311.40	140.40	102.18	81.17	73.50	66.42	60.75
90.0	252.76	176.21	129.10	95.39	77.37	70.23	63.50	57.24	53.14
135.0	299.69	299.69	216.12	119.62	87.02	75.90	69.00	61.33	56.71
180.0	297.35	297.35	134.13	100.78	83.16	73.27	66.31	59.63	55.30
225.0	181.19	132.49	100.89	81.40	73.74	66.89	61.33	55.65	51.73
270.0	303.79	303.79	142.27	107.10	87.43	76.20	69.12	63.20	58.41
315.0	217.24	163.34	119.27	88.54	77.95	70.58	62.74	58.00	52.85
360.0	265.22	202.49	137.70	102.00	84.51	74.44	67.24	61.51	55.77

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	51.79	47.29	44.13	41.38	38.27	35.99	34.12	32.48	30.72
45.0	55.13	51.21	47.75	43.83	41.02	38.45	36.23	33.83	32.19
90.0	49.33	46.00	42.31	39.68	37.34	35.17	32.95	31.43	29.96
135.0	51.68	48.16	44.95	42.08	38.80	36.52	34.53	32.77	31.02
180.0	51.38	47.87	43.95	41.14	38.68	36.40	34.00	32.36	30.96
225.0	48.16	44.24	41.43	38.39	36.17	34.29	32.60	30.84	29.73
270.0	53.26	49.57	45.47	42.49	39.85	36.93	34.88	33.12	31.19
315.0	49.28	46.00	43.13	39.91	37.63	35.58	33.77	31.84	30.61
360.0	51.79	47.29	44.13	41.38	38.27	35.99	34.12	32.48	30.72
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.61	28.73	28.15	27.74	27.86	28.03	28.38	28.32	27.86
45.0	30.78	29.32	28.50	27.80	27.51	27.56	27.80	28.21	28.27
90.0	28.97	28.32	27.86	27.80	28.09	28.44	28.85	28.73	28.15
135.0	29.90	29.03	28.44	28.09	28.21	28.56	28.85	29.03	28.50
180.0	29.61	28.79	28.38	28.27	28.44	28.68	28.91	28.68	28.03
225.0	28.91	28.38	28.15	28.27	28.50	28.85	28.73	28.21	26.80
270.0	29.96	29.03	28.44	27.97	28.03	28.27	28.56	28.62	28.21
315.0	29.55	28.68	28.27	28.21	28.44	28.73	28.97	28.73	28.03
360.0	29.61	28.73	28.15	27.74	27.86	28.03	28.38	28.32	27.86
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.63	25.22	23.53	21.13	19.49	18.08	17.09	16.21	15.74
45.0	27.80	26.98	25.22	23.58	21.59	19.66	18.20	17.15	16.33
90.0	26.98	25.05	23.12	21.19	19.14	17.85	16.97	16.15	15.68
135.0	27.51	25.98	24.35	21.77	19.96	18.55	17.38	16.44	15.86
180.0	26.86	24.81	22.82	20.95	19.31	17.73	16.85	16.21	15.63
225.0	25.16	23.29	20.89	19.31	18.02	16.97	16.33	15.86	15.45
270.0	27.39	25.52	23.70	21.24	19.61	18.20	17.26	16.44	16.21
315.0	26.69	24.52	22.53	20.66	19.08	17.56	16.80	16.21	15.74
360.0	26.63	25.22	23.53	21.13	19.49	18.08	17.09	16.21	15.74
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.27	14.92	14.51	14.22	13.93	13.52	13.23	12.76	12.41
45.0	15.80	15.39	14.92	14.57	14.28	14.05	13.64	13.28	12.93
90.0	15.22	14.86	14.57	14.28	13.99	13.64	13.28	12.93	12.58
135.0	15.51	14.98	14.69	14.40	13.99	13.69	13.28	12.93	12.64
180.0	15.22	14.86	14.46	14.16	13.75	13.46	13.11	12.76	12.41
225.0	15.10	14.75	14.40	14.05	13.69	13.34	12.99	12.58	12.17
270.0	15.63	15.10	14.69	14.40	14.16	13.81	13.46	13.11	12.70
315.0	15.27	14.92	14.51	14.22	13.87	13.52	13.17	12.82	12.47
360.0	15.27	14.92	14.51	14.22	13.93	13.52	13.23	12.76	12.41
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.11	11.76	11.41	11.18	11.00	10.77	10.53	10.36	10.18
45.0	12.52	12.11	11.76	11.35	11.06	10.89	10.65	10.48	10.30
90.0	12.11	11.65	11.35	11.12	10.89	10.65	10.42	10.24	10.12
135.0	12.29	11.88	11.53	11.18	11.00	10.65	10.48	10.30	10.12
180.0	11.94	11.53	11.24	11.00	10.71	10.53	10.36	10.18	10.07
225.0	11.76	11.53	11.24	11.00	10.59	10.42	10.24	10.12	10.12
270.0	12.35	12.00	11.59	11.29	11.00	10.65	10.42	10.24	10.12
315.0	12.06	11.70	11.47	11.18	10.94	10.59	10.42	10.24	10.12
360.0	12.11	11.76	11.41	11.18	11.00	10.77	10.53	10.36	10.18

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	10.12
45.0	10.12
90.0	10.12
135.0	10.12
180.0	10.07
225.0	10.12
270.0	10.12
315.0	10.12
360.0	10.12