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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024319-B014

Ballast type: AC

Test No: 2024319-C014

Voltage(V): 35.110

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2698.0

Power (W): 15.834

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2345.91, Efficiency(%): 86.95% , Luminous Efficacy(lm/W): 148.16

Central intensity(cd): 7890.209, Maximum intensity(cd): 7890.209

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.2

[C90/270]Total=25.2

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

[C90/270]Total=59.2

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

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(%): 86.95%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.025%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/19
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	7890.208	0.000	0	0.00%	0.00%
1.0	7854.217	7.533	7.533	0.28%	0.32%
2.0	7752.388	22.400	29.933	0.83%	1.28%
3.0	7570.749	36.648	66.581	1.36%	2.84%
4.0	7341.779	49.917	116.498	1.85%	4.97%
5.0	7055.897	61.938	178.436	2.30%	7.61%
6.0	6694.520	72.262	250.699	2.68%	10.69%
7.0	6316.685	80.760	331.459	2.99%	14.13%
8.0	5898.468	87.422	418.88	3.24%	17.86%
9.0	5460.720	92.060	510.94	3.41%	21.78%
10.0	5037.456	95.005	605.945	3.52%	25.83%
11.0	4580.322	96.101	702.046	3.56%	29.93%
12.0	4157.204	95.514	797.56	3.54%	34.00%
13.0	3779.734	94.191	891.752	3.49%	38.01%
14.0	3401.533	91.920	983.671	3.41%	41.93%
15.0	3066.930	88.802	1072.473	3.29%	45.72%
16.0	2754.493	85.300	1157.773	3.16%	49.35%
17.0	2468.757	81.340	1239.113	3.01%	52.82%
18.0	2216.598	77.251	1316.365	2.86%	56.11%
19.0	2012.720	73.581	1389.946	2.73%	59.25%
20.0	1807.819	69.926	1459.873	2.59%	62.23%
21.0	1596.830	65.376	1525.249	2.42%	65.02%
22.0	1482.126	61.873	1587.122	2.29%	67.65%
23.0	1359.924	59.634	1646.756	2.21%	70.20%
24.0	1239.148	56.825	1703.581	2.11%	72.62%
25.0	1138.204	54.056	1757.636	2.00%	74.92%
26.0	1072.944	52.194	1809.831	1.93%	77.15%
27.0	1004.297	50.820	1860.651	1.88%	79.31%
28.0	919.915	48.717	1909.368	1.81%	81.39%
29.0	845.482	46.188	1955.556	1.71%	83.36%
30.0	756.923	43.265	1998.82	1.60%	85.20%
31.0	674.991	39.848	2038.668	1.48%	86.90%
32.0	586.622	36.144	2074.812	1.34%	88.44%
33.0	498.941	31.981	2106.793	1.19%	89.81%
34.0	415.400	27.671	2134.464	1.03%	90.99%
35.0	352.123	23.836	2158.3	0.88%	92.00%
36.0	276.826	20.026	2178.326	0.74%	92.86%
37.0	199.174	15.524	2193.851	0.58%	93.52%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	163.249	12.097	2205.948	0.45%	94.03%
39.0	145.092	10.525	2216.472	0.39%	94.48%
40.0	88.991	8.164	2224.636	0.30%	94.83%
41.0	68.983	5.625	2230.262	0.21%	95.07%
42.0	59.927	4.684	2234.945	0.17%	95.27%
43.0	55.948	4.292	2239.238	0.16%	95.45%
44.0	52.656	4.099	2243.337	0.15%	95.63%
45.0	50.278	3.956	2247.292	0.15%	95.80%
46.0	48.479	3.862	2251.155	0.14%	95.96%
47.0	46.986	3.797	2254.951	0.14%	96.12%
48.0	45.648	3.745	2258.696	0.14%	96.28%
49.0	44.667	3.709	2262.405	0.14%	96.44%
50.0	43.709	3.685	2266.09	0.14%	96.60%
51.0	42.663	3.654	2269.744	0.14%	96.75%
52.0	41.690	3.620	2273.364	0.13%	96.91%
53.0	40.688	3.583	2276.947	0.13%	97.06%
54.0	39.569	3.537	2280.484	0.13%	97.21%
55.0	38.135	3.469	2283.953	0.13%	97.36%
56.0	36.672	3.380	2287.333	0.13%	97.50%
57.0	34.931	3.274	2290.607	0.12%	97.64%
58.0	33.065	3.144	2293.751	0.12%	97.78%
59.0	30.980	2.994	2296.746	0.11%	97.90%
60.0	29.108	2.839	2299.584	0.11%	98.03%
61.0	27.147	2.685	2302.269	0.10%	98.14%
62.0	25.326	2.528	2304.797	0.09%	98.25%
63.0	23.431	2.371	2307.169	0.09%	98.35%
64.0	21.836	2.221	2309.39	0.08%	98.44%
65.0	20.410	2.091	2311.481	0.08%	98.53%
66.0	18.969	1.965	2313.445	0.07%	98.62%
67.0	17.901	1.854	2315.299	0.07%	98.70%
68.0	16.957	1.766	2317.065	0.07%	98.77%
69.0	16.057	1.684	2318.749	0.06%	98.84%
70.0	15.384	1.615	2320.364	0.06%	98.91%
71.0	14.784	1.559	2321.923	0.06%	98.98%
72.0	14.309	1.513	2323.436	0.06%	99.04%
73.0	13.906	1.475	2324.911	0.05%	99.10%
74.0	13.555	1.444	2326.355	0.05%	99.17%
75.0	13.233	1.415	2327.771	0.05%	99.23%

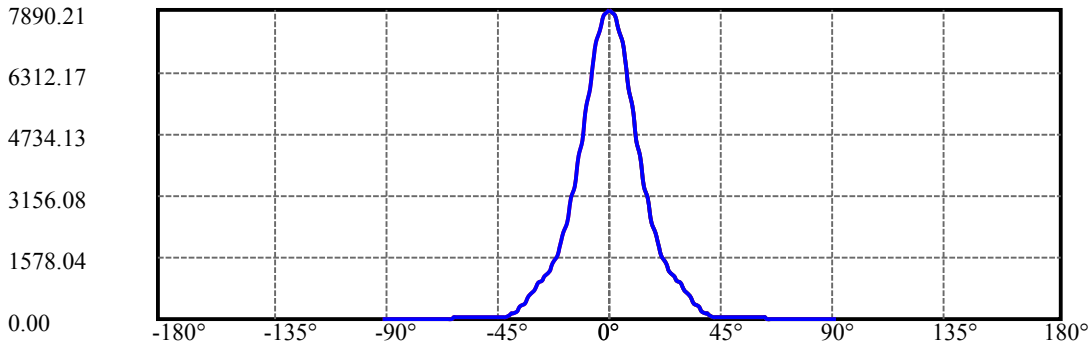
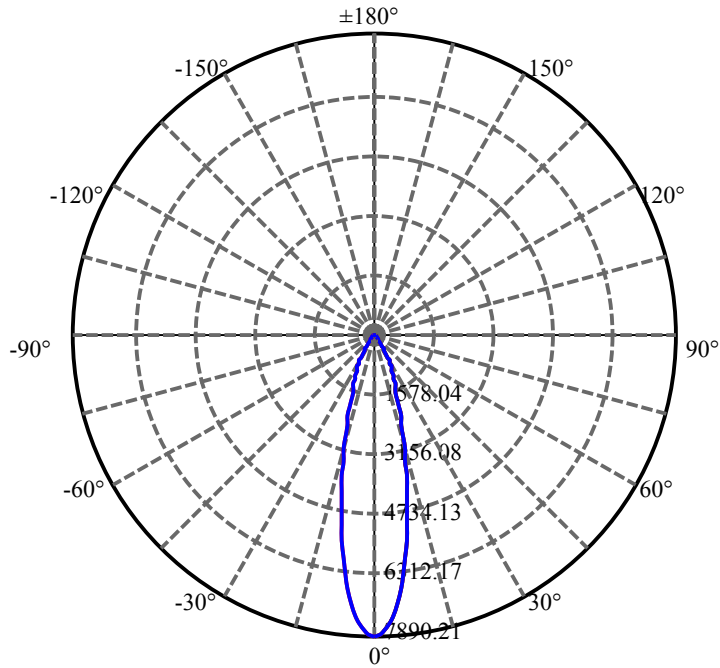
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.912	1.388	2329.159	0.05%	99.29%
77.0	12.590	1.360	2330.518	0.05%	99.34%
78.0	12.282	1.331	2331.85	0.05%	99.40%
79.0	11.990	1.304	2333.154	0.05%	99.46%
80.0	11.690	1.277	2334.43	0.05%	99.51%
81.0	11.434	1.250	2335.681	0.05%	99.56%
82.0	11.156	1.225	2336.906	0.05%	99.62%
83.0	10.885	1.198	2338.104	0.04%	99.67%
84.0	10.651	1.173	2339.277	0.04%	99.72%
85.0	10.417	1.150	2340.427	0.04%	99.77%
86.0	10.219	1.128	2341.555	0.04%	99.81%
87.0	10.015	1.107	2342.662	0.04%	99.86%
88.0	9.956	1.094	2343.756	0.04%	99.91%
89.0	9.803	1.083	2344.839	0.04%	99.95%
90.0	9.729	1.071	2345.91	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1998.82	74.09%	85.20%
0-40	2224.64	82.46%	94.83%
0-60	2299.58	85.23%	98.03%
0-90	2344.84	86.91%	99.95%
0-120	2344.84	86.91%	99.95%
0-180	2345.91	86.95%	100.00%
60-90	45.26	1.68%	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%
0-27.33	1876.73	69.56%	80.00%

ZONAL LUMEN SUMMARY

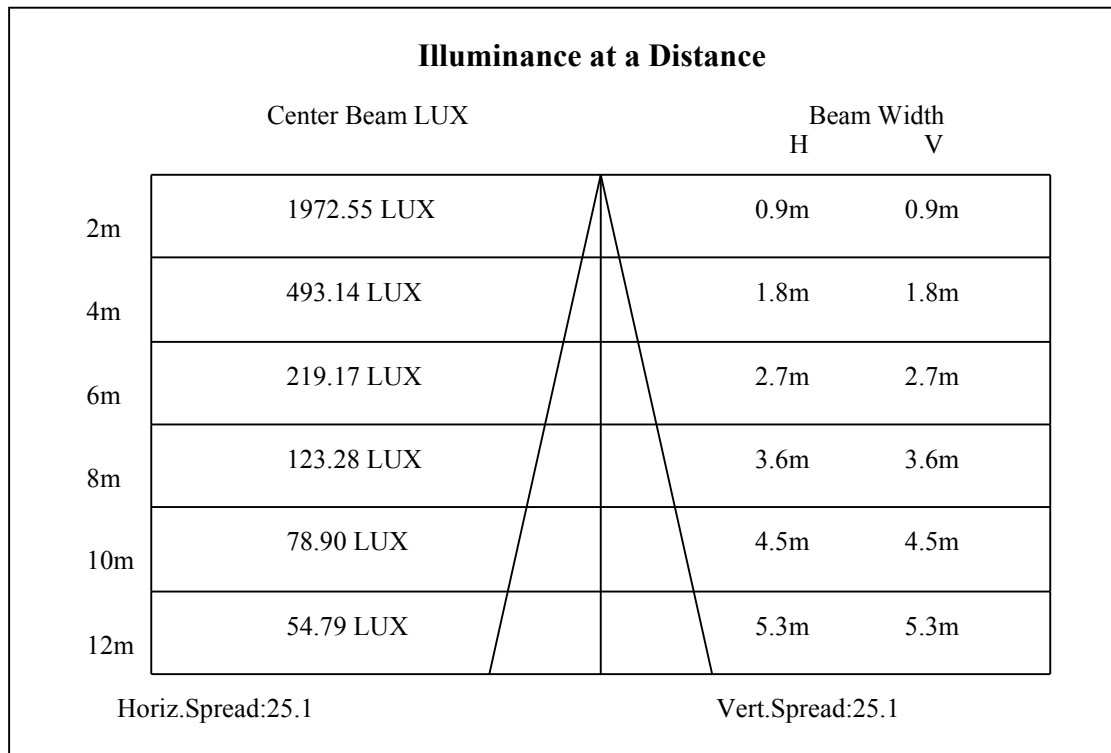
0-10	605.95
10-20	853.93
20-30	538.95
30-40	225.82
40-50	41.45
50-60	33.49
60-70	20.78
70-80	14.07
80-90	10.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

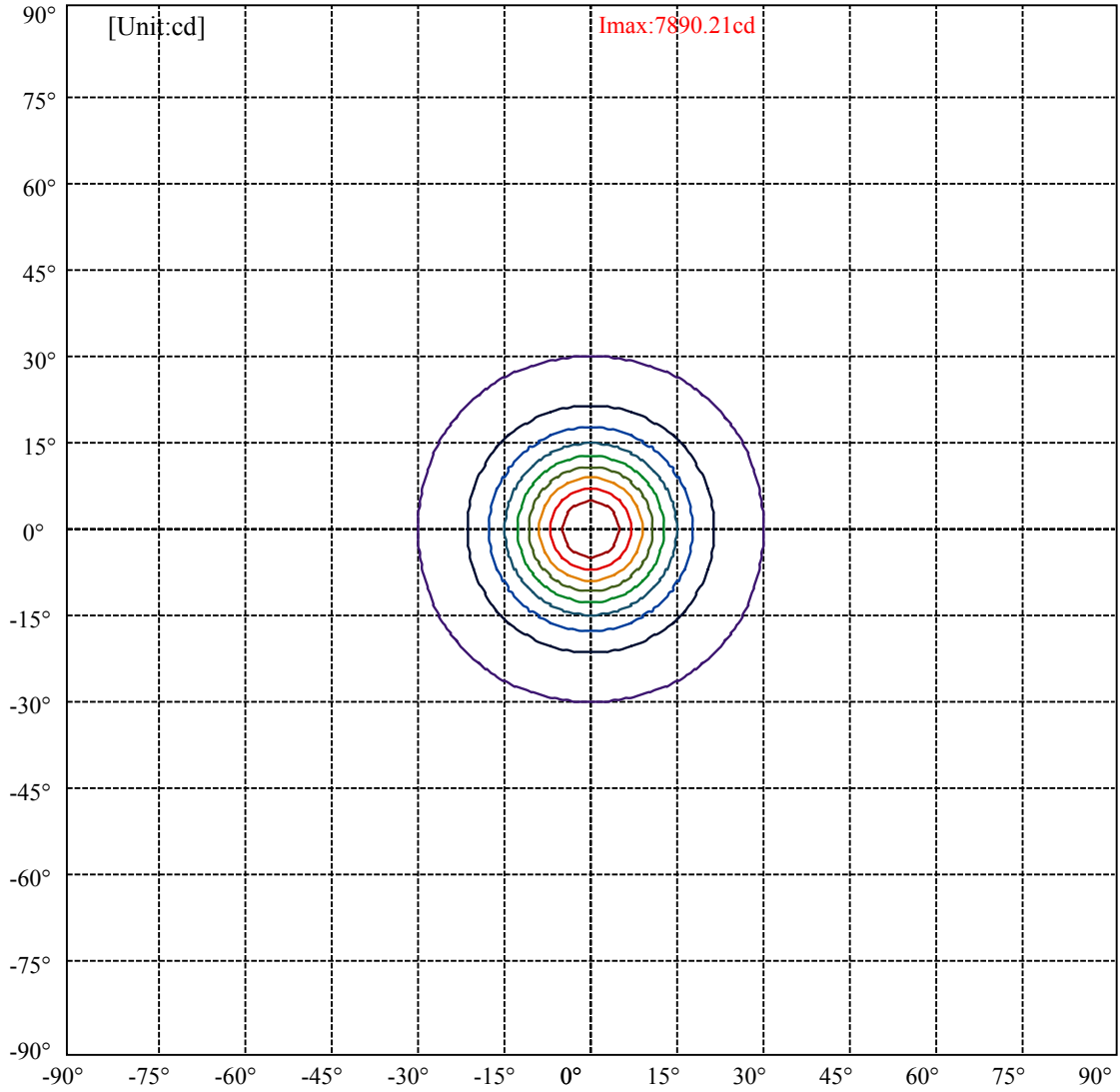


C0(Max): —————
C0/C180: —————
C90/C270: —————

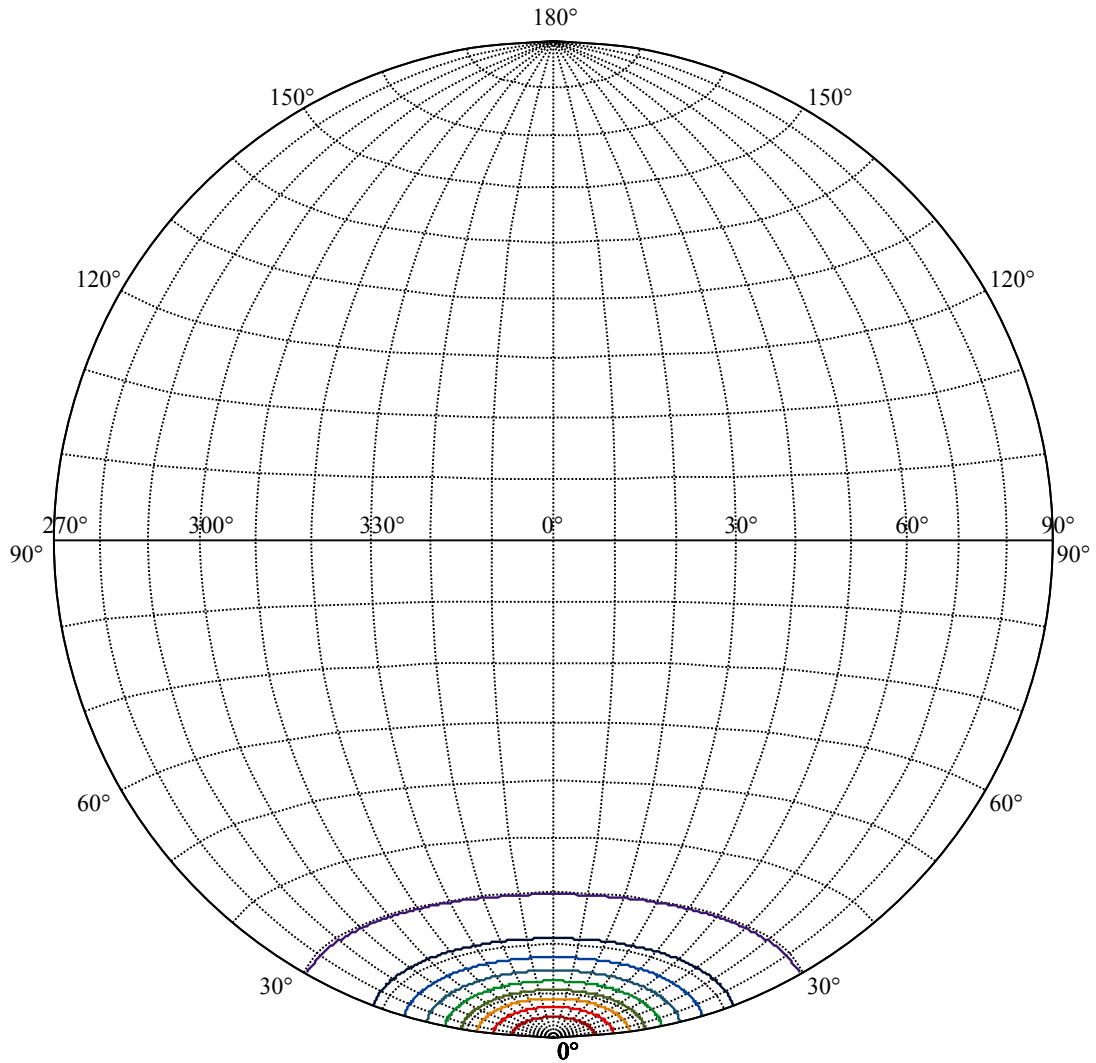
Field angle(10%Imax):C0/180Left:29.6 Right:29.6
:C90/270Left:29.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6
:C90/270Left:12.6 Right:12.6





(10%Imax) 789.021	—
(20%Imax) 1578.04	—
(30%Imax) 2367.06	—
(40%Imax) 3156.08	—
(50%Imax) 3945.1	—
(60%Imax) 4734.13	—
(70%Imax) 5523.15	—
(80%Imax) 6312.17	—
(90%Imax) 7101.19	—



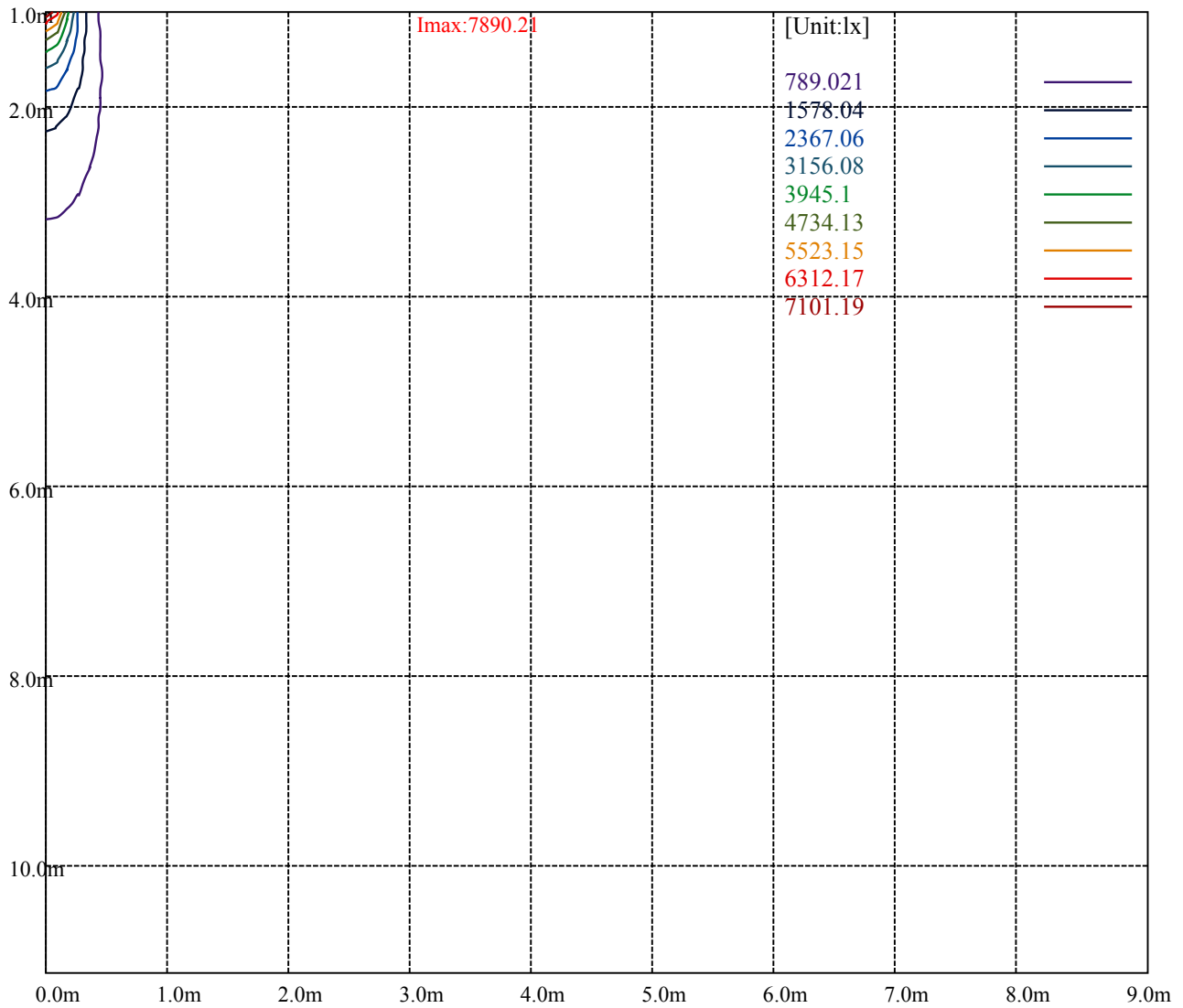
House

[Unit:cd]

Road

Imax:7890.21

(10%Imax)	789.021	—
(20%Imax)	1578.04	—
(30%Imax)	2367.06	—
(40%Imax)	3156.08	—
(50%Imax)	3945.1	—
(60%Imax)	4734.13	—
(70%Imax)	5523.15	—
(80%Imax)	6312.17	—
(90%Imax)	7101.19	—



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

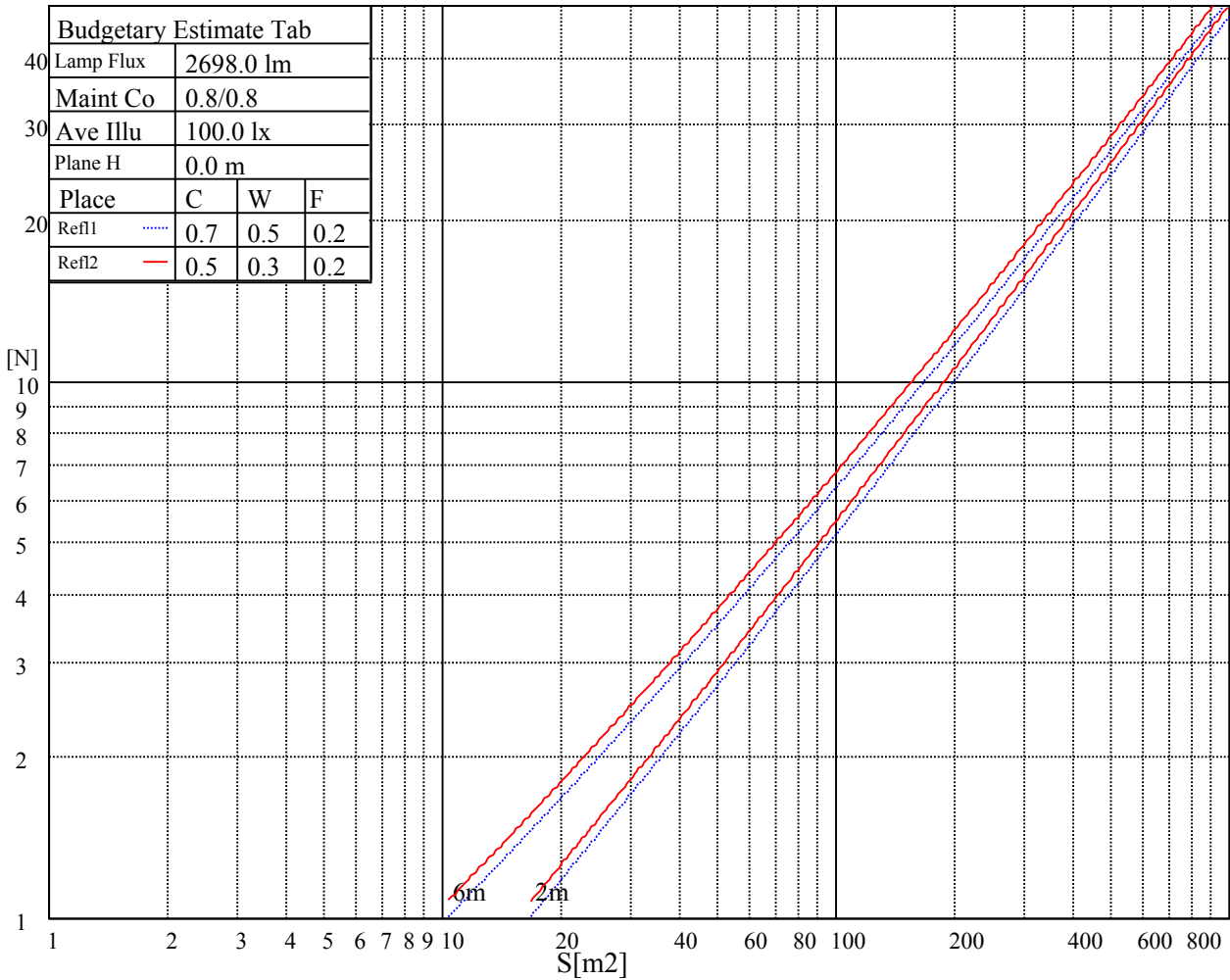
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

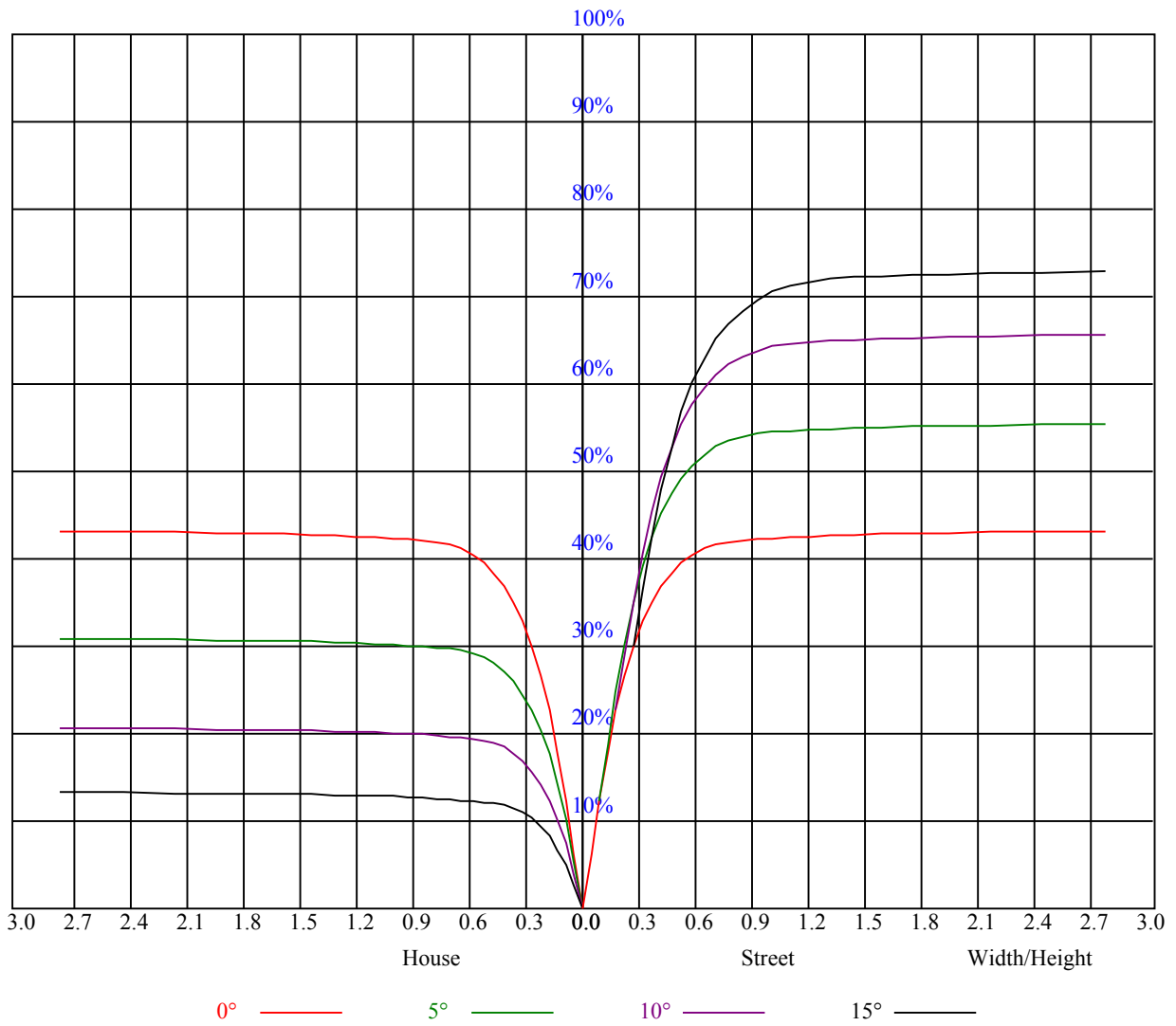


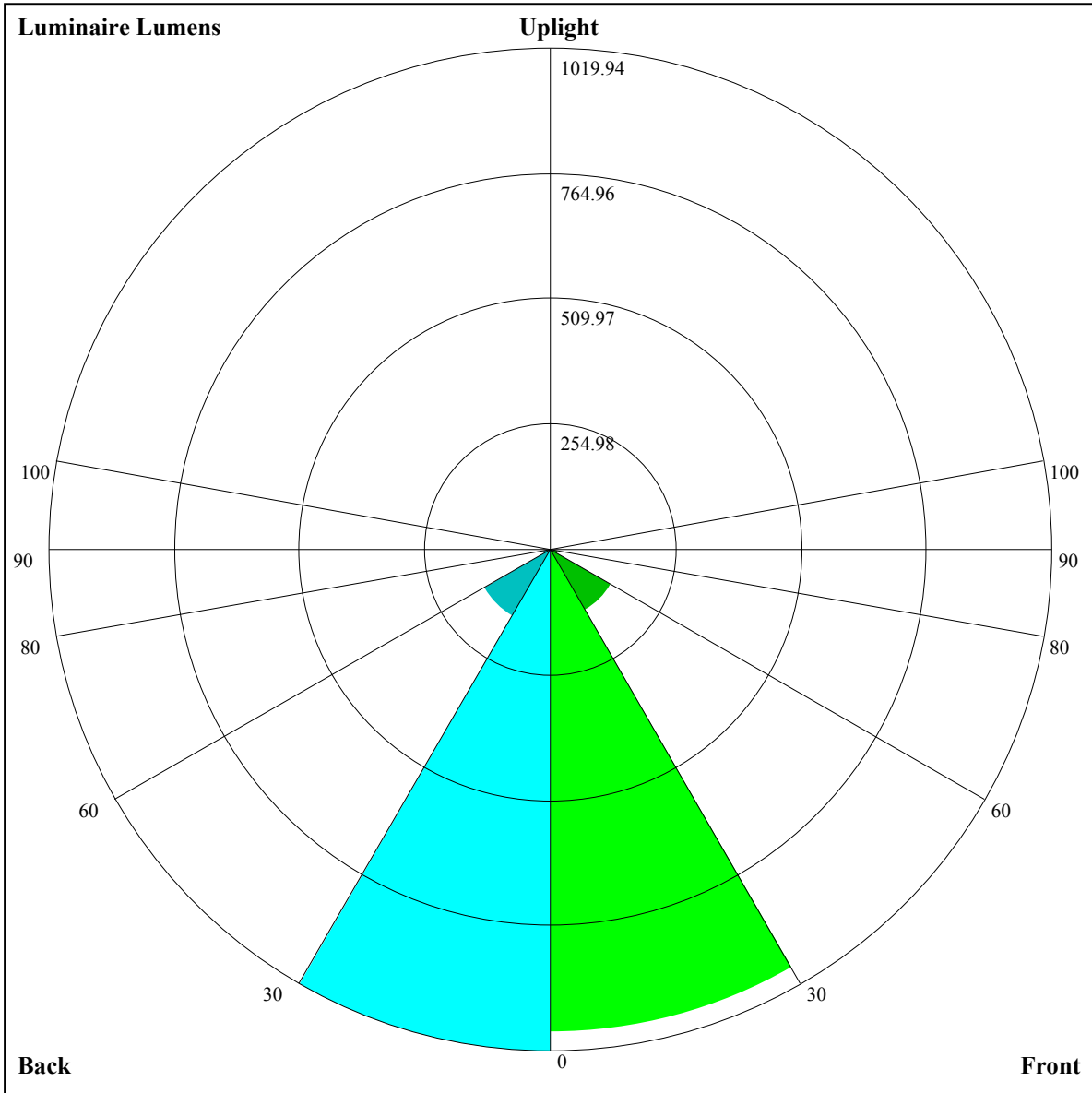
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.04	1.04	1.04	1.01	1.01	1.01	0.97	0.97	0.97	0.92	0.92	0.92	0.89	0.89	0.89	0.87
1	0.97	0.95	0.93	0.95	0.93	0.92	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.82
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.68
6	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
7	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.58
10	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.56	0.55





Luminaire Lumens:

FL=981.47,FM=143.93,FH=17.41,FVH=5.74

BL=1019.94,BM=157.96,BH=17.61,BVH=5.76

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	7883.04	7718.01	7473.38	7112.30	6780.48	6396.57	5864.60	5416.32	4980.91
45.0	8025.83	7938.05	7794.09	7569.36	7207.10	6885.23	6428.76	6020.85	5583.11
90.0	7813.98	7551.80	7293.72	6992.91	6634.75	6239.73	5708.34	5277.03	4848.06
135.0	7837.98	7679.38	7444.71	7074.84	6738.92	6359.70	5948.29	5423.92	4993.78
180.0	7883.04	8007.11	8043.39	7974.92	7881.28	7739.07	7518.44	7249.24	6851.29
225.0	8025.83	8045.15	7975.50	7880.11	7720.93	7411.35	7118.15	6788.08	6298.84
270.0	7813.98	7949.17	8009.45	7993.06	7930.44	7754.87	7531.32	7262.70	6871.77
315.0	7837.98	7945.07	7984.87	7968.48	7840.32	7660.65	7438.27	7095.33	6759.99
360.0	7883.04	7718.01	7473.38	7112.30	6780.48	6396.57	5864.60	5416.32	4980.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4453.62	4056.25	3679.95	3337.01	2941.98	2657.57	2403.58	2171.83	1919.01
45.0	5144.19	4601.10	4200.22	3728.53	3378.56	3053.76	2765.83	2443.37	2213.96
90.0	4332.48	3954.42	3597.44	3178.42	2881.71	2604.31	2297.65	2082.29	1887.41
135.0	4567.74	4173.30	3711.56	3363.35	3046.15	2686.24	2428.74	2145.49	1941.25
180.0	6467.38	6046.60	5503.51	5074.54	4649.09	4134.09	3751.94	3403.73	2999.34
225.0	5864.60	5432.12	4891.95	4470.59	4082.59	3625.53	3277.32	2967.15	2689.75
270.0	6482.01	6077.03	5649.82	5123.70	4701.17	4289.76	3909.95	3465.76	3132.18
315.0	6373.74	5958.82	5408.12	4981.49	4556.62	4161.01	3700.44	3356.32	2967.15
360.0	4453.62	4056.25	3679.95	3337.01	2941.98	2657.57	2403.58	2171.83	1919.01

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1741.69	1589.53	1425.08	1164.42	1164.42	1107.89	1042.11	983.70	899.32
45.0	2007.97	1824.79	1622.89	1490.04	1370.07	1243.08	1155.29	1083.90	1006.06
90.0	1677.90	1533.93	1411.62	1166.53	1166.53	1113.33	1049.13	991.31	913.42
135.0	1762.76	1611.18	1448.49	1344.32	1251.27	1172.26	1090.33	1031.22	972.12
180.0	2714.33	2459.76	2218.06	1957.05	1771.53	1604.75	1477.75	1342.56	1240.74
225.0	2371.39	2145.49	1938.32	1715.94	1566.71	1439.13	1154.77	1154.77	1137.91
270.0	2767.59	2507.75	2260.78	2001.53	1812.50	1638.69	1511.69	1363.05	1258.88
315.0	2689.17	2429.33	2137.30	1934.81	1753.98	1560.27	1432.10	1155.12	1155.12
360.0	1741.69	1589.53	1425.08	1164.42	1164.42	1107.89	1042.11	983.70	899.32

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	820.54	736.15	647.55	540.92	460.22	383.21	309.29	226.19	167.43
45.0	943.44	844.54	762.02	676.58	592.31	505.69	400.94	323.10	304.96
90.0	835.94	754.12	664.93	552.98	467.89	364.07	290.68	221.45	151.81
135.0	899.55	796.55	710.52	600.50	511.55	426.69	326.61	308.47	308.47
180.0	1167.00	1079.21	1022.45	948.12	880.24	796.55	706.43	594.06	508.03
225.0	1072.48	999.86	936.89	840.50	757.57	670.02	583.18	474.85	392.33
270.0	1178.70	1100.87	1027.13	968.02	897.21	798.31	708.18	614.54	508.03
315.0	1116.73	1048.02	992.37	927.76	832.95	748.44	666.22	560.53	475.90
360.0	820.54	736.15	647.55	540.92	460.22	383.21	309.29	226.19	167.43

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	117.75	79.18	67.01	60.98	57.35	53.96	51.03	48.87	47.29
45.0	304.96	124.24	88.90	70.81	63.67	59.34	56.06	52.14	50.27
90.0	108.79	81.11	67.89	60.98	57.00	53.37	50.86	48.57	46.76
135.0	122.66	86.26	68.35	62.68	57.59	53.96	51.50	49.86	48.34
180.0	427.27	351.19	299.11	299.11	144.38	95.16	73.80	66.36	60.51
225.0	314.09	247.14	173.23	124.13	87.49	69.47	62.97	58.64	53.90
270.0	424.93	324.86	308.47	308.47	131.91	87.26	69.47	63.97	59.87
315.0	394.15	299.40	233.04	173.58	112.54	79.36	63.73	59.17	54.31
360.0	117.75	79.18	67.01	60.98	57.35	53.96	51.03	48.87	47.29

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	45.88	45.18	44.13	43.25	42.84	42.02	40.67	40.15	38.51
45.0	48.57	46.88	46.00	45.12	43.83	43.31	42.49	41.49	40.67
90.0	45.59	44.42	43.25	42.49	41.67	40.67	39.39	38.51	37.34
135.0	46.76	45.88	44.95	43.60	43.13	41.90	40.97	39.80	38.27
180.0	56.47	53.78	51.21	49.04	47.52	46.35	45.12	44.07	43.07
225.0	51.68	49.69	47.52	46.41	45.47	44.36	43.07	42.43	41.55
270.0	55.77	53.02	51.27	49.63	48.28	46.70	46.06	44.59	44.18
315.0	51.50	48.98	47.58	45.65	44.59	44.36	43.54	42.49	41.90
360.0	45.88	45.18	44.13	43.25	42.84	42.02	40.67	40.15	38.51
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.16	35.82	33.24	31.19	29.32	26.16	24.70	23.29	21.59
45.0	39.21	37.86	36.40	34.00	31.95	29.32	26.92	25.34	23.35
90.0	35.87	33.71	31.95	30.02	27.97	25.46	24.11	22.59	21.07
135.0	36.99	35.52	33.53	31.13	29.14	26.74	25.11	23.29	21.71
180.0	42.02	40.91	39.80	38.39	36.69	35.35	33.30	30.90	28.91
225.0	40.67	39.09	37.86	36.58	34.53	32.54	30.26	27.92	25.69
270.0	43.31	41.73	40.79	39.91	38.04	36.58	34.59	32.71	30.84
315.0	41.32	40.44	39.80	38.22	36.87	35.70	33.88	31.13	29.44
360.0	37.16	35.82	33.24	31.19	29.32	26.16	24.70	23.29	21.59
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.13	19.02	17.62	16.80	15.80	15.10	14.57	14.16	13.87
45.0	21.77	20.78	19.61	17.85	16.97	16.21	15.45	14.81	14.40
90.0	19.72	18.38	17.03	16.21	15.51	14.81	14.40	14.10	13.75
135.0	20.48	18.96	17.67	16.56	15.80	15.22	14.75	14.22	13.93
180.0	26.51	24.58	23.00	21.07	19.90	18.79	17.50	16.62	15.68
225.0	24.35	22.18	20.78	19.84	18.43	17.03	16.33	15.57	14.81
270.0	27.56	25.69	24.29	21.95	20.72	19.61	17.91	17.09	16.04
315.0	26.92	25.11	23.29	21.48	20.07	18.90	17.56	16.50	15.80
360.0	20.13	19.02	17.62	16.80	15.80	15.10	14.57	14.16	13.87
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.17	12.87	12.58	12.29	12.00	11.70	11.41	11.12
45.0	14.05	13.64	13.34	13.05	12.70	12.47	12.11	11.76	11.47
90.0	13.34	13.05	12.82	12.52	12.17	11.88	11.59	11.29	11.06
135.0	13.64	13.28	12.87	12.64	12.41	12.06	11.70	11.47	11.12
180.0	15.10	14.63	14.22	13.81	13.46	13.11	12.82	12.52	12.17
225.0	14.40	14.05	13.69	13.34	13.05	12.70	12.41	12.17	11.82
270.0	15.39	14.92	14.51	14.10	13.75	13.40	13.11	12.76	12.47
315.0	15.10	14.51	14.10	13.81	13.46	13.11	12.82	12.52	12.29
360.0	13.46	13.17	12.87	12.58	12.29	12.00	11.70	11.41	11.12
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.89	10.65	10.48	10.24	10.07	9.89	9.77	9.60	9.66
45.0	11.24	10.94	10.65	10.48	10.30	10.07	9.89	9.77	9.66
90.0	10.83	10.59	10.42	10.18	9.95	9.89	9.60	9.83	9.66
135.0	10.89	10.65	10.30	10.18	9.95	9.83	9.66	10.01	9.71
180.0	11.94	11.65	11.29	11.06	10.77	10.48	10.24	10.07	9.89
225.0	11.59	11.29	11.06	10.77	10.53	10.30	10.12	9.95	9.83
270.0	12.17	11.82	11.53	11.24	10.94	10.71	10.48	10.24	10.01
315.0	11.94	11.65	11.35	11.06	10.83	10.59	10.36	10.18	10.01
360.0	10.89	10.65	10.48	10.24	10.07	9.89	9.77	9.60	9.66

Intensity data(cd)

C/γ(°)	90.0
0.0	9.66
45.0	9.66
90.0	9.66
135.0	9.66
180.0	9.83
225.0	9.71
270.0	9.83
315.0	9.83
360.0	9.66