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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024407-B019

Ballast type: AC

Test No: 2024407-C019

Voltage(V): 34.870

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2388.0

Power (W): 13.974

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2063.41, Efficiency(%): 86.41% , Luminous Efficacy(lm/W): 147.66

Central intensity(cd): 7921.812, Maximum intensity(cd): 7921.812

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.0

[C90/270]Total=23.0

Field angle(10%Imax): [C0/180]Total=56.4

[C90/270]Total=56.4

Maximum s/h(1/2): C0_180=0.39 C90_270=0.39

Maximum s/h(1/4): C0_180=0.41 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.007%

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	7921.810	0.000	0	0.00%	0.00%
1.0	7877.553	7.560	7.56	0.32%	0.37%
2.0	7761.386	22.446	30.006	0.94%	1.45%
3.0	7564.604	36.655	66.661	1.53%	3.23%
4.0	7292.401	49.731	116.392	2.08%	5.64%
5.0	6937.974	61.218	177.61	2.56%	8.61%
6.0	6529.268	70.774	248.384	2.96%	12.04%
7.0	6112.514	78.467	326.852	3.29%	15.84%
8.0	5625.168	84.004	410.856	3.52%	19.91%
9.0	5109.877	87.002	497.858	3.64%	24.13%
10.0	4639.430	88.228	586.085	3.69%	28.40%
11.0	4183.613	88.160	674.246	3.69%	32.68%
12.0	3738.549	86.601	760.846	3.63%	36.87%
13.0	3313.895	83.695	844.541	3.50%	40.93%
14.0	2944.325	80.105	924.646	3.35%	44.81%
15.0	2620.989	76.403	1001.049	3.20%	48.51%
16.0	2328.669	72.526	1073.575	3.04%	52.03%
17.0	2050.029	68.188	1141.763	2.86%	55.33%
18.0	1822.083	63.843	1205.606	2.67%	58.43%
19.0	1621.644	59.914	1265.52	2.51%	61.33%
20.0	1405.769	55.410	1320.93	2.32%	64.02%
21.0	1275.198	51.480	1372.41	2.16%	66.51%
22.0	1196.946	49.679	1422.089	2.08%	68.92%
23.0	1102.491	48.248	1470.337	2.02%	71.26%
24.0	1025.768	46.531	1516.868	1.95%	73.51%
25.0	955.021	45.039	1561.907	1.89%	75.70%
26.0	899.191	43.769	1605.676	1.83%	77.82%
27.0	852.197	42.848	1648.524	1.79%	79.89%
28.0	806.060	41.984	1690.508	1.76%	81.93%
29.0	746.425	40.617	1731.125	1.70%	83.90%
30.0	676.110	38.408	1769.533	1.61%	85.76%
31.0	596.439	35.413	1804.947	1.48%	87.47%
32.0	514.215	31.819	1836.766	1.33%	89.02%
33.0	434.559	27.951	1864.717	1.17%	90.37%
34.0	349.701	23.734	1888.451	0.99%	91.52%
35.0	274.909	19.398	1907.849	0.81%	92.46%
36.0	233.951	16.202	1924.051	0.68%	93.25%
37.0	179.423	13.482	1937.533	0.56%	93.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.532	9.311	1946.844	0.39%	94.35%
39.0	70.820	5.815	1952.659	0.24%	94.63%
40.0	60.242	4.571	1957.23	0.19%	94.85%
41.0	55.845	4.134	1961.363	0.17%	95.05%
42.0	52.034	3.919	1965.283	0.16%	95.24%
43.0	48.991	3.742	1969.025	0.16%	95.43%
44.0	46.577	3.607	1972.632	0.15%	95.60%
45.0	44.623	3.505	1976.137	0.15%	95.77%
46.0	42.992	3.426	1979.563	0.14%	95.94%
47.0	41.675	3.367	1982.931	0.14%	96.10%
48.0	40.651	3.328	1986.259	0.14%	96.26%
49.0	39.708	3.300	1989.559	0.14%	96.42%
50.0	38.610	3.265	1992.824	0.14%	96.58%
51.0	37.820	3.234	1996.058	0.14%	96.74%
52.0	36.781	3.201	1999.259	0.13%	96.89%
53.0	35.816	3.158	2002.417	0.13%	97.04%
54.0	34.697	3.108	2005.525	0.13%	97.19%
55.0	33.577	3.048	2008.573	0.13%	97.34%
56.0	32.151	2.970	2011.543	0.12%	97.49%
57.0	30.797	2.878	2014.421	0.12%	97.63%
58.0	28.976	2.764	2017.185	0.12%	97.76%
59.0	27.125	2.623	2019.808	0.11%	97.89%
60.0	25.231	2.473	2022.281	0.10%	98.01%
61.0	23.438	2.323	2024.604	0.10%	98.12%
62.0	21.748	2.177	2026.781	0.09%	98.22%
63.0	20.263	2.043	2028.824	0.09%	98.32%
64.0	18.961	1.925	2030.749	0.08%	98.42%
65.0	17.849	1.822	2032.571	0.08%	98.51%
66.0	16.737	1.726	2034.297	0.07%	98.59%
67.0	15.713	1.632	2035.928	0.07%	98.67%
68.0	14.814	1.546	2037.475	0.06%	98.74%
69.0	14.126	1.476	2038.951	0.06%	98.81%
70.0	13.563	1.422	2040.373	0.06%	98.88%
71.0	13.109	1.379	2041.752	0.06%	98.95%
72.0	12.729	1.343	2043.095	0.06%	99.02%
73.0	12.458	1.317	2044.412	0.06%	99.08%
74.0	12.158	1.294	2045.706	0.05%	99.14%
75.0	11.873	1.270	2046.976	0.05%	99.20%

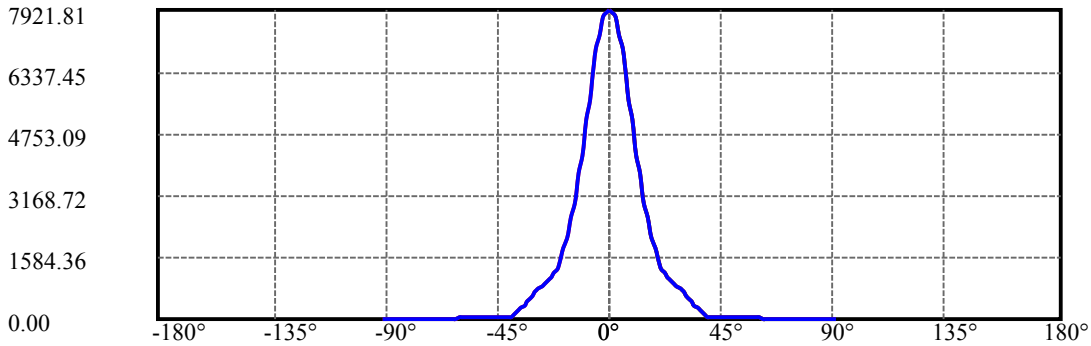
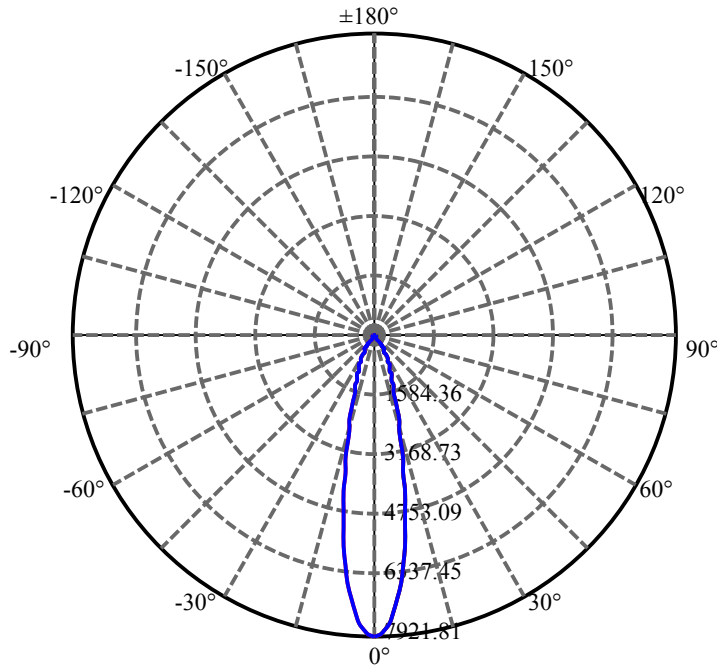
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.595	1.246	2048.222	0.05%	99.26%
77.0	11.361	1.224	2049.446	0.05%	99.32%
78.0	11.090	1.202	2050.647	0.05%	99.38%
79.0	10.841	1.178	2051.826	0.05%	99.44%
80.0	10.563	1.154	2052.98	0.05%	99.49%
81.0	10.344	1.131	2054.11	0.05%	99.55%
82.0	10.117	1.110	2055.22	0.05%	99.60%
83.0	9.912	1.089	2056.309	0.05%	99.66%
84.0	9.685	1.068	2057.376	0.04%	99.71%
85.0	9.488	1.046	2058.423	0.04%	99.76%
86.0	9.305	1.027	2059.45	0.04%	99.81%
87.0	9.159	1.010	2060.461	0.04%	99.86%
88.0	9.027	0.996	2061.457	0.04%	99.91%
89.0	8.866	0.981	2062.438	0.04%	99.95%
90.0	8.881	0.973	2063.411	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1769.53	74.10%	85.76%
0-40	1957.23	81.96%	94.85%
0-60	2022.28	84.69%	98.01%
0-90	2062.44	86.37%	99.95%
0-120	2062.44	86.37%	99.95%
0-180	2063.41	86.41%	100.00%
60-90	40.16	1.68%	1.95%
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%
0-27.05	1650.73	69.13%	80.00%

ZONAL LUMEN SUMMARY

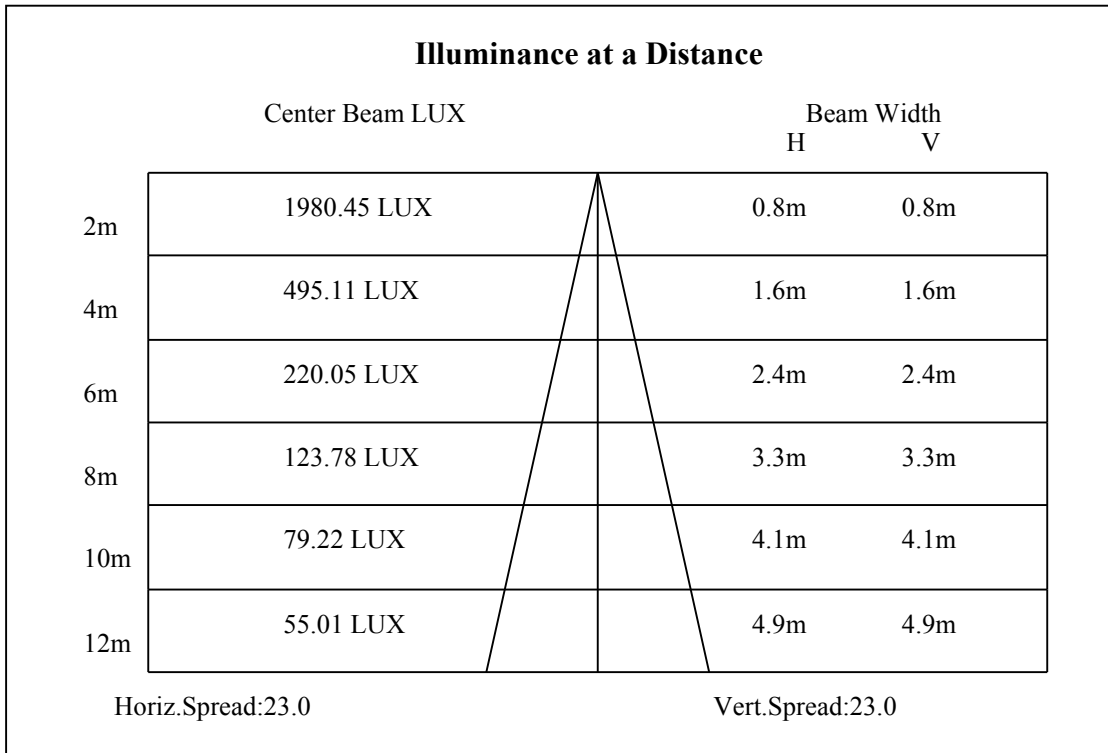
0-10	586.09
10-20	734.84
20-30	448.60
30-40	187.70
40-50	35.59
50-60	29.46
60-70	18.09
70-80	12.61
80-90	9.46
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

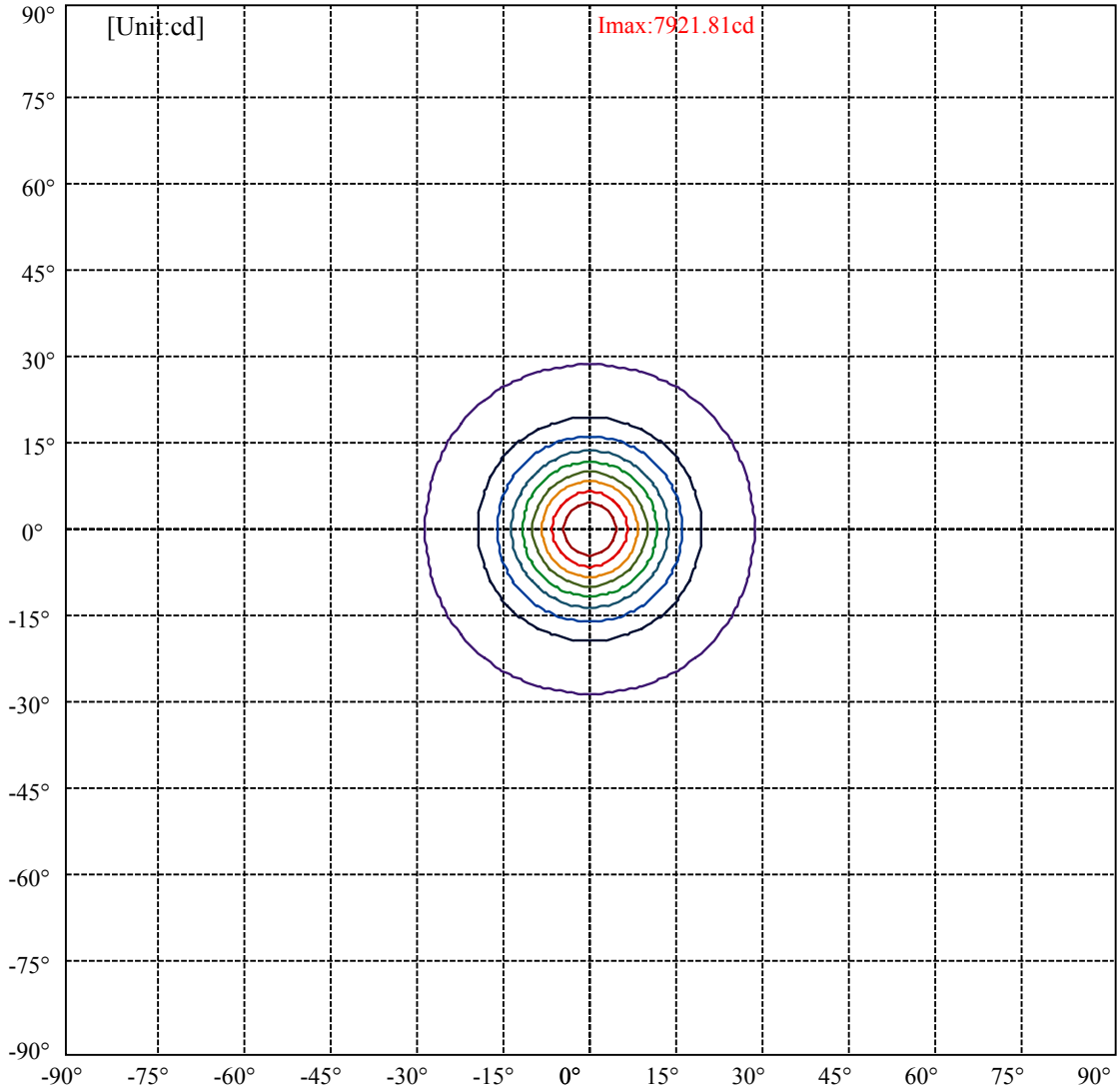


C0(Max): —————
C0/C180: —————
C90/C270: —————

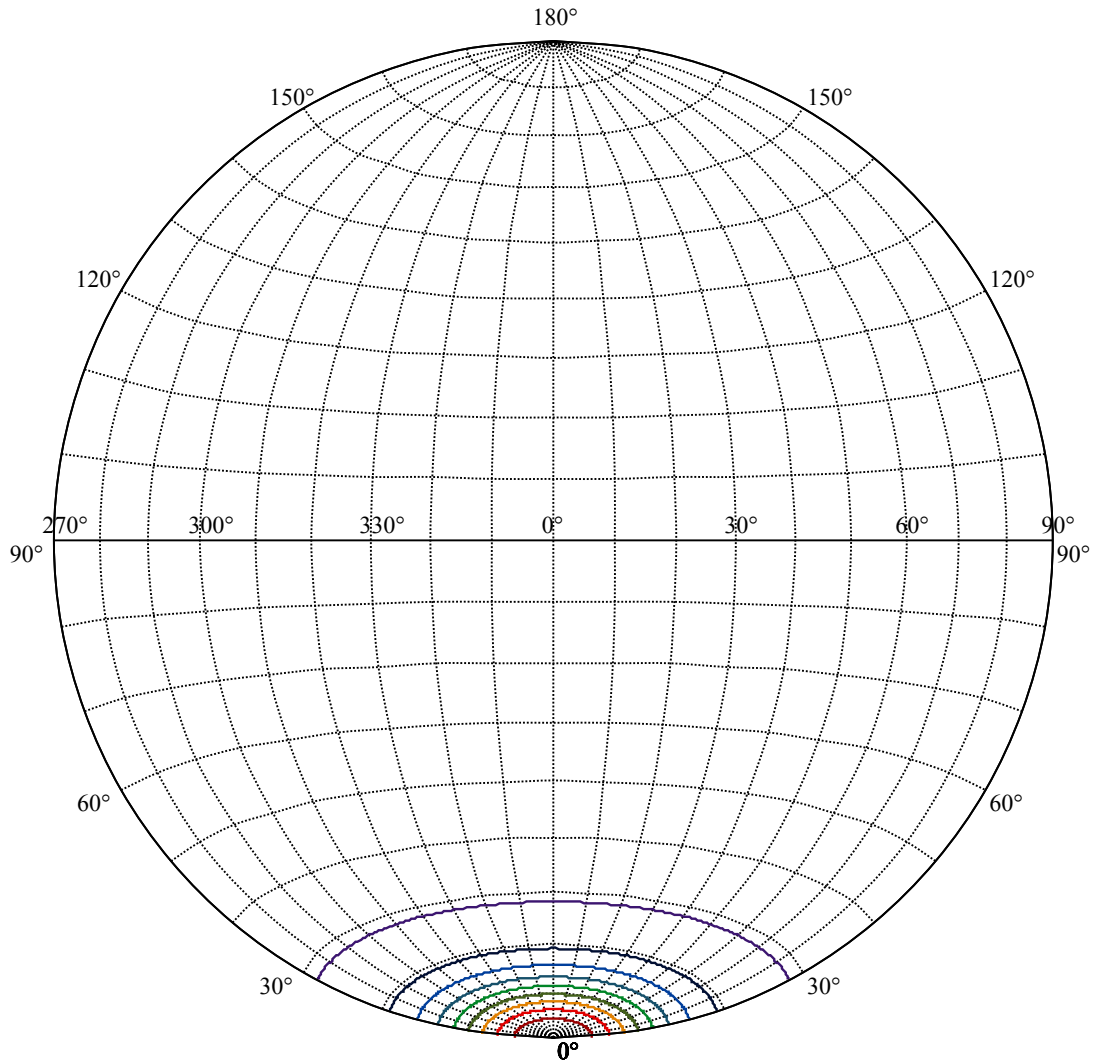
Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

Beam Angle(50%Imax):C0/180Left:11.5 Right:11.5
:C90/270Left:11.5 Right:11.5





(10%Imax) 792.181	—
(20%Imax) 1584.36	—
(30%Imax) 2376.54	—
(40%Imax) 3168.72	—
(50%Imax) 3960.91	—
(60%Imax) 4753.09	—
(70%Imax) 5545.27	—
(80%Imax) 6337.45	—
(90%Imax) 7129.63	—



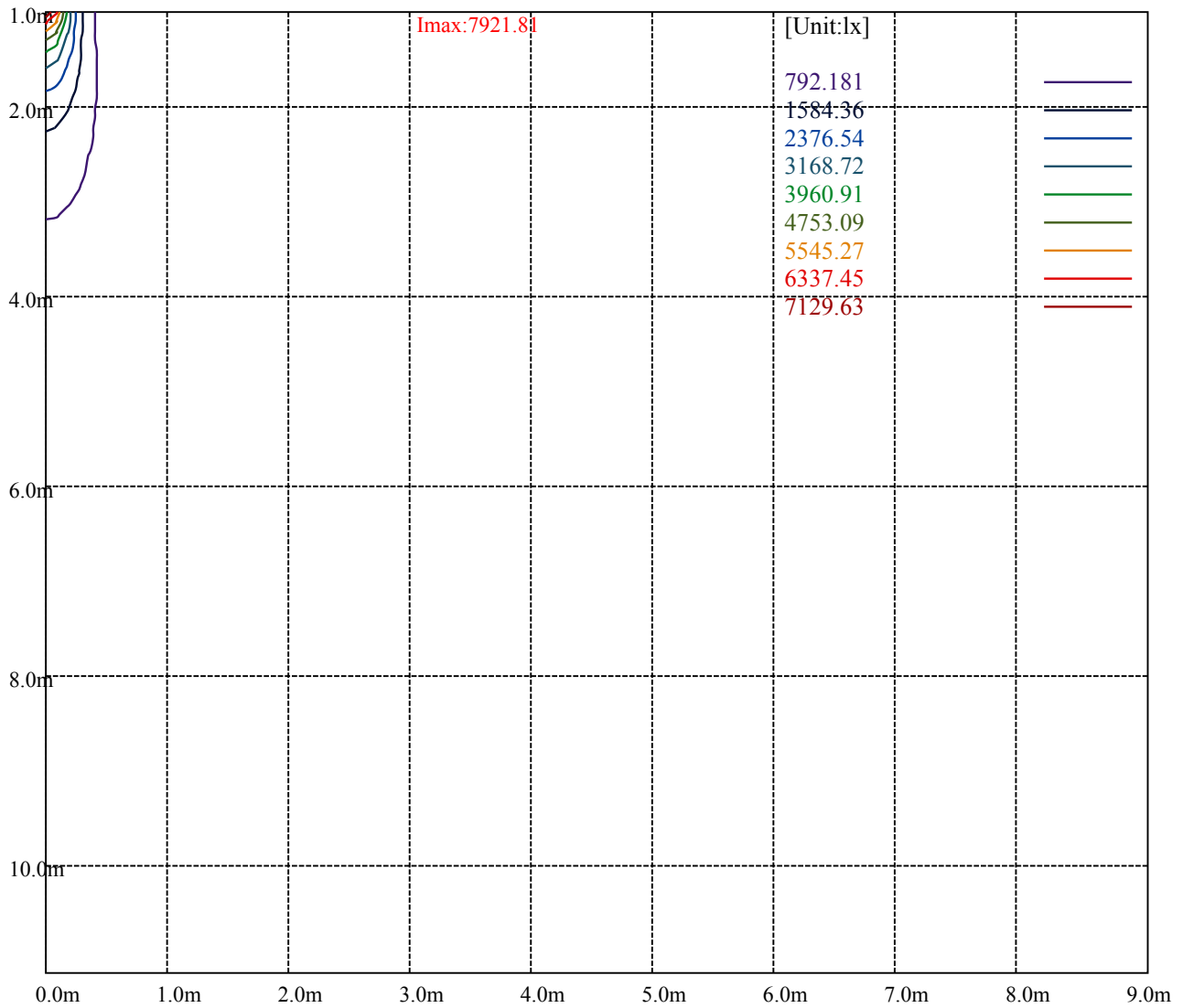
House

[Unit:cd]

Road

Imax:7921.81

(10%Imax) 792.181	—
(20%Imax) 1584.36	—
(30%Imax) 2376.54	—
(40%Imax) 3168.72	—
(50%Imax) 3960.91	—
(60%Imax) 4753.09	—
(70%Imax) 5545.27	—
(80%Imax) 6337.45	—
(90%Imax) 7129.63	—



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

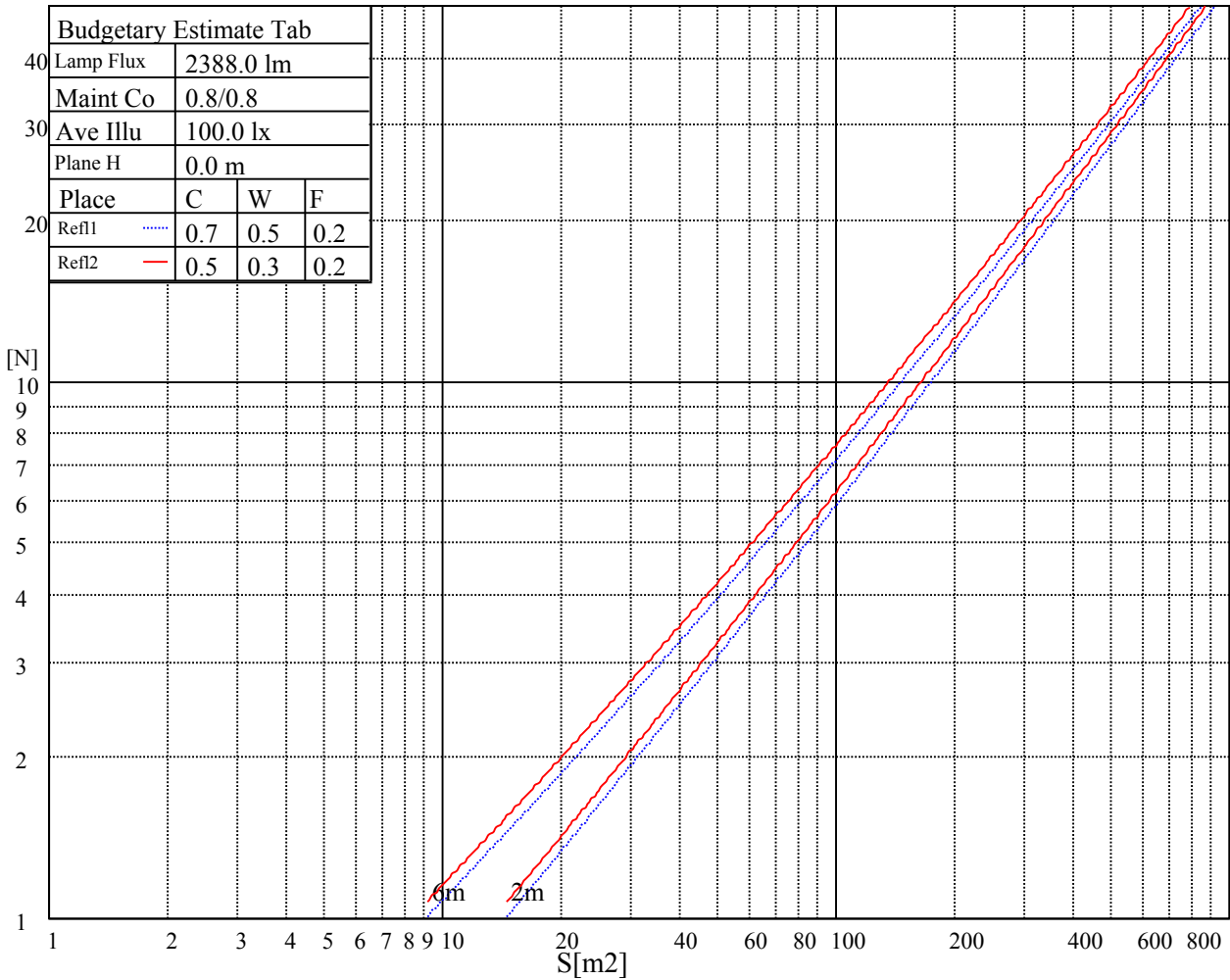
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

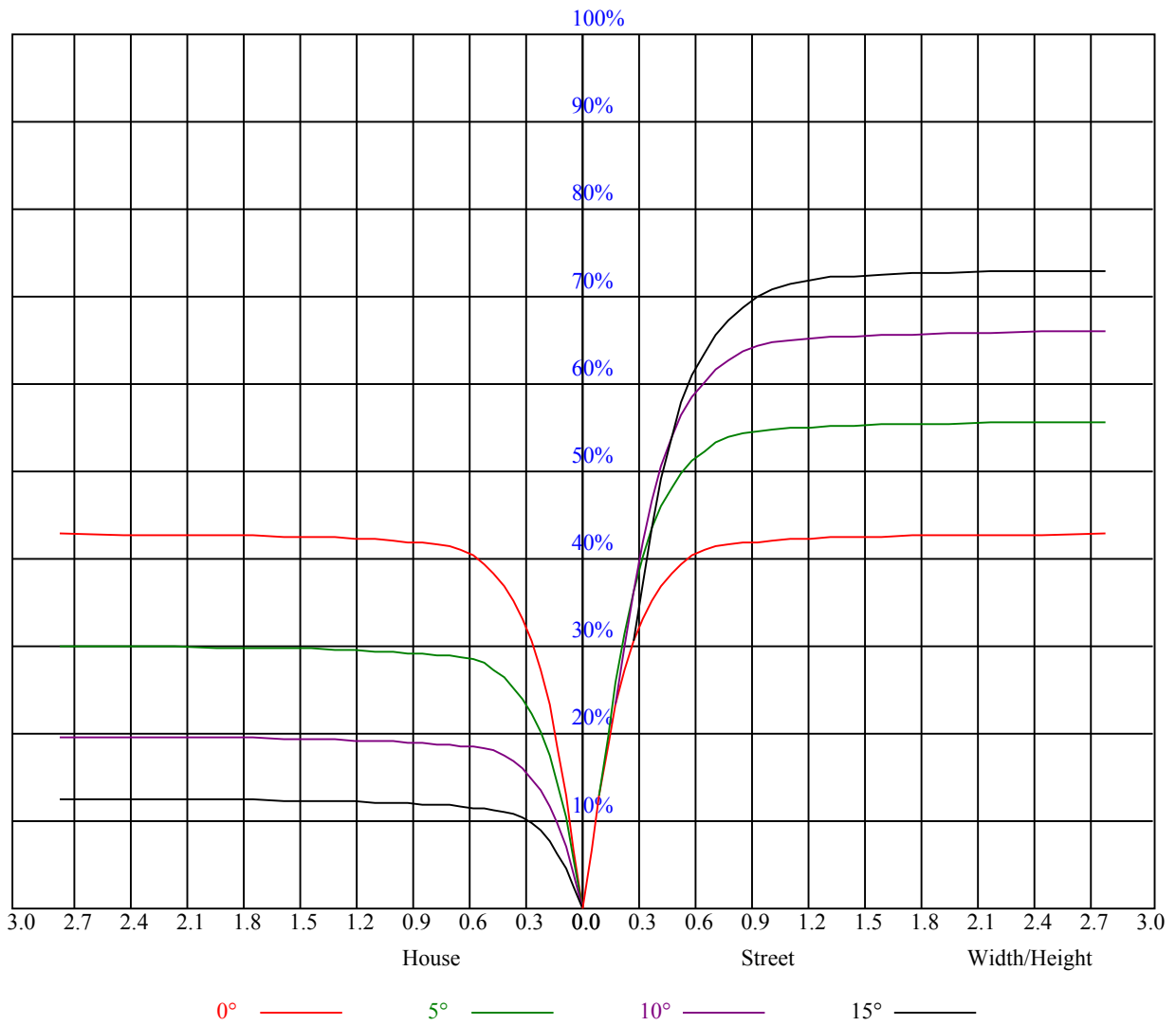


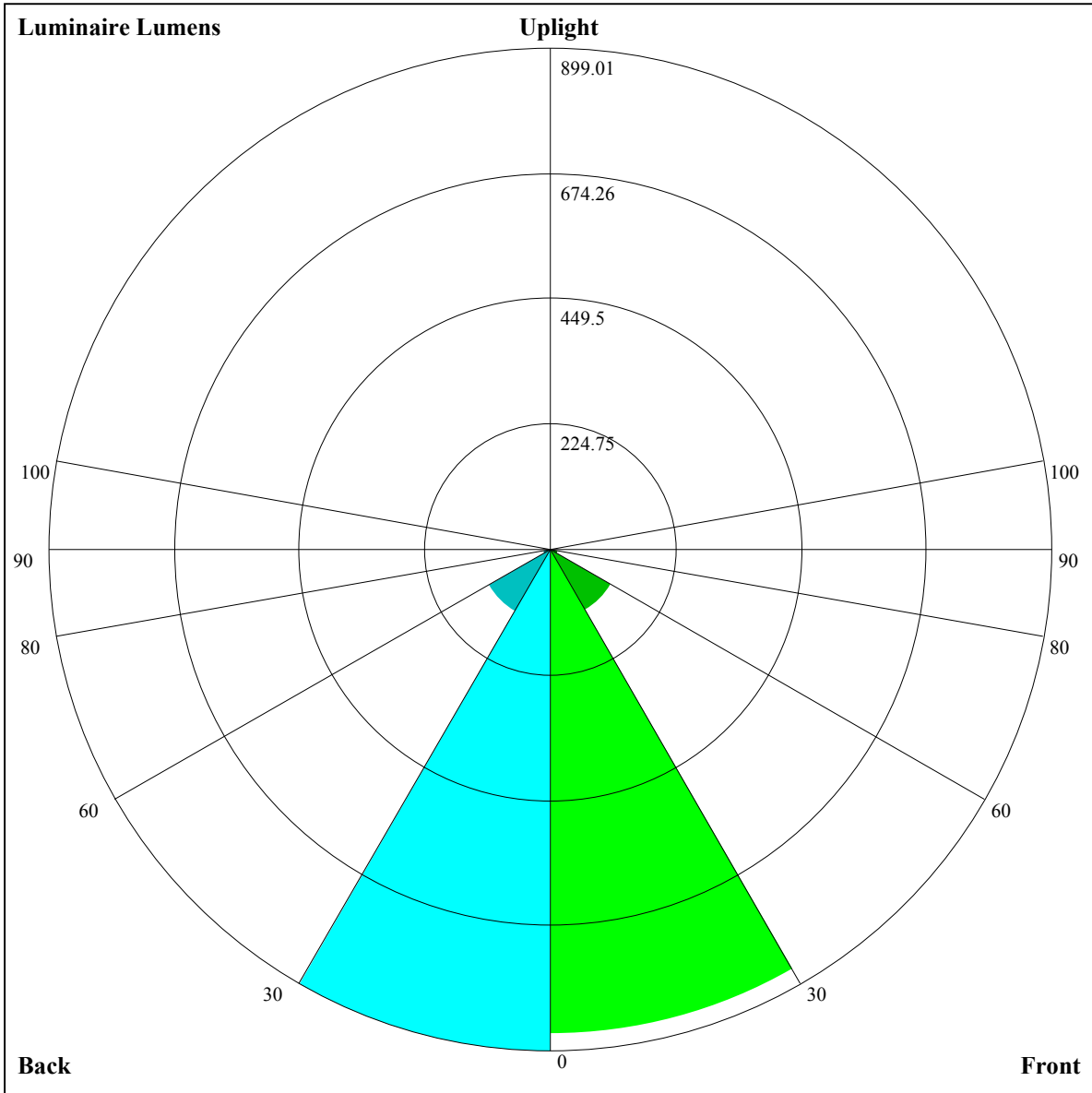
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.90	0.87	0.84	0.87	0.85	0.83	0.84	0.82	0.81	0.82	0.80	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	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	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	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
7	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
9	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=870.16,FM=124.42,FH=15.22,FVH=5.2

BL=899.01,BM=129.36,BH=15.55,BVH=5.24

UL=0,UH=0

BUG Rating:B2-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	7920.49	7849.68	7651.29	7397.89	6992.33	6615.44	6209.88	5772.72	5213.83
45.0	7928.10	7935.12	7883.62	7719.76	7513.76	7157.95	6802.13	6421.15	5880.98
90.0	7928.69	7883.04	7777.70	7548.29	7286.11	6958.38	6494.89	6058.31	5605.93
135.0	7909.96	7933.37	7905.28	7809.89	7606.23	7356.34	6958.97	6588.52	6160.14
180.0	7920.49	7937.47	7841.49	7682.89	7475.72	7190.13	6757.65	6366.72	5933.07
225.0	7928.10	7810.47	7639.00	7393.21	7107.03	6658.75	6236.80	5781.50	5318.58
270.0	7928.69	7905.28	7818.66	7651.88	7355.75	7051.43	6696.79	6271.91	5715.95
315.0	7909.96	7765.99	7574.04	7313.03	7002.28	6515.37	6077.03	5639.29	5172.86
360.0	7920.49	7849.68	7651.29	7397.89	6992.33	6615.44	6209.88	5772.72	5213.83
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4773.15	4341.84	3919.90	3440.01	3081.27	2762.32	2401.82	2150.18	1916.67
45.0	5425.09	4976.23	4528.53	4007.09	3610.31	3238.69	2901.02	2522.38	2254.93
90.0	5018.95	4564.23	4112.43	3698.10	3218.80	2879.95	2576.22	2303.50	2001.53
135.0	5602.42	5126.04	4659.62	4204.31	3706.29	3317.11	2973.00	2655.22	2305.85
180.0	5477.18	4882.01	4421.43	4003.00	3509.07	3133.94	2808.55	2463.27	2196.99
225.0	4725.17	4276.88	3853.77	3479.22	3044.98	2724.87	2374.32	2125.01	1894.43
270.0	5255.38	4784.86	4314.92	3792.32	3401.39	2940.81	2644.11	2363.20	2055.95
315.0	4601.68	4163.35	3658.30	3284.34	2939.06	2556.91	2288.87	2046.59	1773.88
360.0	4773.15	4341.84	3919.90	3440.01	3081.27	2762.32	2401.82	2150.18	1916.67
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1673.80	1507.01	1289.31	1161.38	1141.54	1062.65	983.35	931.27	882.23
45.0	2018.50	1758.07	1575.48	1421.57	1270.58	1169.92	1080.97	993.19	932.32
90.0	1788.51	1605.33	1409.28	1148.09	1148.09	1059.08	985.64	925.18	862.50
135.0	2060.64	1844.10	1654.49	1452.00	1317.40	1181.04	1092.67	990.26	935.25
180.0	1965.24	1705.40	1531.01	1387.04	1264.14	1140.08	1059.32	989.09	927.64
225.0	1647.47	1480.68	1158.92	1158.92	1116.96	1044.04	980.60	926.76	868.36
270.0	1832.40	1635.76	1469.56	1314.47	1216.74	1129.54	1052.88	979.14	926.47
315.0	1590.11	1436.79	1158.10	1158.10	1100.11	1033.57	970.71	905.28	858.76
360.0	1673.80	1507.01	1289.31	1161.38	1141.54	1062.65	983.35	931.27	882.23
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	842.37	799.24	729.25	659.90	585.28	479.53	395.50	314.32	222.39
45.0	879.65	836.35	780.16	722.23	649.66	575.92	481.70	405.03	331.30
90.0	820.02	773.43	713.10	626.13	549.35	477.78	409.36	321.17	254.28
135.0	881.41	839.27	786.02	729.83	658.44	584.11	508.62	413.23	339.49
180.0	867.95	825.23	770.80	711.11	642.64	548.41	465.31	383.97	306.72
225.0	826.69	785.31	710.05	636.55	538.99	459.40	382.56	309.23	226.48
270.0	879.65	828.15	782.50	718.71	620.98	540.22	461.22	368.17	301.45
315.0	819.84	761.49	699.52	604.42	526.18	448.34	372.20	282.49	217.18
360.0	842.37	799.24	729.25	659.90	585.28	479.53	395.50	314.32	222.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	162.46	105.75	76.14	62.97	58.99	54.54	51.38	48.69	46.88
45.0	295.01	295.01	122.14	77.31	62.44	57.94	53.31	50.33	47.58
90.0	176.21	123.48	84.16	61.98	57.53	53.90	50.74	47.29	44.89
135.0	303.79	303.79	129.39	87.26	64.02	58.99	54.43	51.32	48.87
180.0	306.72	155.61	110.49	73.39	60.98	56.77	52.32	49.51	46.23
225.0	166.85	117.16	82.93	63.26	58.58	54.72	51.44	47.70	46.06
270.0	301.45	224.32	112.01	78.71	62.62	56.77	53.31	49.86	47.23
315.0	159.12	110.26	79.01	61.68	56.77	53.14	49.33	47.23	44.89
360.0	162.46	105.75	76.14	62.97	58.99	54.54	51.38	48.69	46.88

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	44.83	43.48	42.19	41.43	40.09	39.21	37.92	36.87	35.76
45.0	45.59	43.89	42.31	41.26	40.73	39.68	38.80	37.75	36.93
90.0	43.25	41.55	40.61	39.97	39.03	37.75	37.75	36.40	35.52
135.0	46.35	44.36	42.72	41.55	40.73	39.91	38.86	38.16	37.40
180.0	44.48	42.90	41.08	39.97	39.27	37.86	37.16	36.34	35.41
225.0	44.18	42.02	41.20	39.97	38.80	37.86	37.16	35.82	34.94
270.0	45.12	43.77	42.43	41.14	40.32	39.15	38.22	37.28	36.17
315.0	43.19	41.96	40.85	39.91	38.68	37.45	36.69	35.64	34.41
360.0	44.83	43.48	42.19	41.43	40.09	39.21	37.92	36.87	35.76
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.29	32.89	31.66	29.85	27.68	26.04	23.94	22.30	20.83
45.0	36.11	35.17	33.53	32.30	30.49	28.50	26.92	25.11	22.65
90.0	34.65	33.42	32.01	30.90	28.91	26.74	24.99	22.88	21.59
135.0	36.34	35.70	34.12	32.95	31.89	29.67	27.80	26.04	24.05
180.0	34.53	33.71	32.25	31.13	29.73	28.09	26.10	24.29	22.47
225.0	33.88	32.30	30.90	29.50	27.80	25.93	23.76	22.18	20.60
270.0	34.76	33.77	32.42	31.08	28.91	27.33	25.57	23.64	21.89
315.0	33.01	31.66	30.31	28.68	26.39	24.70	22.77	21.07	19.90
360.0	34.29	32.89	31.66	29.85	27.68	26.04	23.94	22.30	20.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.37	18.14	17.38	15.98	15.16	14.34	13.69	13.23	12.87
45.0	21.30	19.96	18.73	17.67	16.39	15.51	14.69	13.99	13.40
90.0	20.07	18.61	17.73	16.74	15.39	14.63	13.87	13.28	12.87
135.0	22.18	20.95	19.49	18.32	17.32	15.98	15.16	14.40	13.75
180.0	21.01	19.55	18.38	17.21	16.09	15.16	14.34	13.75	13.28
225.0	19.25	17.91	16.91	15.74	14.98	14.10	13.58	13.11	12.82
270.0	20.60	19.20	17.91	16.91	15.68	14.92	14.28	13.75	13.23
315.0	18.32	17.38	16.27	15.33	14.69	13.87	13.40	12.99	12.64
360.0	19.37	18.14	17.38	15.98	15.16	14.34	13.69	13.23	12.87
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.58	12.35	12.00	11.70	11.47	11.24	11.00	10.71	10.48
45.0	12.99	12.76	12.41	12.06	11.76	11.59	11.24	11.00	10.77
90.0	12.58	12.23	12.00	11.76	11.47	11.24	11.00	10.77	10.42
135.0	13.23	12.87	12.58	12.29	12.06	11.76	11.47	11.24	10.94
180.0	12.87	12.58	12.29	12.06	11.70	11.53	11.24	10.94	10.71
225.0	12.47	12.23	11.88	11.65	11.35	11.12	10.83	10.65	10.42
270.0	12.82	12.58	12.35	11.94	11.70	11.47	11.18	10.89	10.53
315.0	12.29	12.06	11.76	11.53	11.24	10.94	10.77	10.53	10.24
360.0	12.58	12.35	12.00	11.70	11.47	11.24	11.00	10.71	10.48
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.24	10.07	9.83	9.66	9.42	9.25	9.07	9.25	8.78
45.0	10.53	10.30	10.07	9.77	9.66	9.42	9.25	9.01	9.01
90.0	10.30	10.07	9.83	9.66	9.48	9.25	9.19	9.01	8.78
135.0	10.65	10.42	10.24	9.95	9.71	9.60	9.42	9.13	9.01
180.0	10.42	10.18	10.01	9.83	9.60	9.42	9.25	9.01	8.90
225.0	10.12	9.95	9.77	9.54	9.31	9.19	9.01	9.01	8.78
270.0	10.42	10.12	9.89	9.66	9.42	9.25	9.13	9.07	8.72
315.0	10.07	9.83	9.66	9.42	9.31	9.07	8.95	8.72	8.95
360.0	10.24	10.07	9.83	9.66	9.42	9.25	9.07	9.25	8.78

Intensity data(cd)

C/γ(°)	90.0
0.0	8.95
45.0	8.72
90.0	8.72
135.0	8.84
180.0	8.78
225.0	9.13
270.0	9.07
315.0	8.84
360.0	8.95