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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024322-B013

Ballast type: AC

Test No: 2024322-C013

Voltage(V): 34.710

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.027

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2993.73, Efficiency(%): 85.88% , Luminous Efficacy(lm/W): 149.48

Central intensity(cd): 10249.110, Maximum intensity(cd): 10249.110

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.8

[C90/270]Total=24.8

Field angle(10%Imax): [C0/180]Total=57.8

[C90/270]Total=57.8

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

Maximum s/h(1/4): C0_180=0.44 C90_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.064%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
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	10249.104	0.000	0	0.00%	0.00%
1.0	10209.162	9.789	9.789	0.28%	0.33%
2.0	10100.749	29.151	38.94	0.84%	1.30%
3.0	9880.924	47.790	86.729	1.37%	2.90%
4.0	9601.918	65.215	151.945	1.87%	5.08%
5.0	9239.810	81.056	233.001	2.33%	7.78%
6.0	8795.405	94.780	327.781	2.72%	10.95%
7.0	8275.067	105.956	433.737	3.04%	14.49%
8.0	7733.661	114.571	548.308	3.29%	18.32%
9.0	7131.245	120.472	668.78	3.46%	22.34%
10.0	6544.703	123.762	792.542	3.55%	26.47%
11.0	5927.290	124.621	917.163	3.57%	30.64%
12.0	5340.602	123.174	1040.337	3.53%	34.75%
13.0	4809.876	120.461	1160.798	3.46%	38.77%
14.0	4323.189	116.902	1277.7	3.35%	42.68%
15.0	3861.593	112.364	1390.065	3.22%	46.43%
16.0	3453.398	107.185	1497.25	3.07%	50.01%
17.0	3087.706	101.863	1599.112	2.92%	53.42%
18.0	2782.291	96.784	1695.896	2.78%	56.65%
19.0	2516.745	92.192	1788.088	2.64%	59.73%
20.0	2296.043	88.087	1876.176	2.53%	62.67%
21.0	2111.185	84.628	1960.803	2.43%	65.50%
22.0	1939.640	81.403	2042.206	2.34%	68.22%
23.0	1795.163	78.366	2120.573	2.25%	70.83%
24.0	1658.952	75.519	2196.092	2.17%	73.36%
25.0	1531.739	72.549	2268.641	2.08%	75.78%
26.0	1309.924	67.078	2335.719	1.92%	78.02%
27.0	1247.305	62.563	2398.282	1.79%	80.11%
28.0	1145.337	60.577	2458.859	1.74%	82.13%
29.0	1017.977	56.598	2515.457	1.62%	84.02%
30.0	888.715	51.480	2566.938	1.48%	85.74%
31.0	753.506	45.701	2612.638	1.31%	87.27%
32.0	633.674	39.741	2652.379	1.14%	88.60%
33.0	528.941	34.251	2686.63	0.98%	89.74%
34.0	440.111	29.326	2715.957	0.84%	90.72%
35.0	373.183	25.258	2741.215	0.72%	91.57%
36.0	314.675	21.902	2763.116	0.63%	92.30%
37.0	274.822	19.226	2782.342	0.55%	92.94%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	253.695	17.641	2799.984	0.51%	93.53%
39.0	200.674	15.509	2815.492	0.44%	94.05%
40.0	163.168	12.690	2828.182	0.36%	94.47%
41.0	139.013	10.761	2838.942	0.31%	94.83%
42.0	119.525	9.393	2848.336	0.27%	95.14%
43.0	102.312	8.217	2856.553	0.24%	95.42%
44.0	88.705	7.210	2863.763	0.21%	95.66%
45.0	77.498	6.387	2870.15	0.18%	95.87%
46.0	69.130	5.734	2875.884	0.16%	96.06%
47.0	63.307	5.267	2881.152	0.15%	96.24%
48.0	59.225	4.953	2886.105	0.14%	96.41%
49.0	56.343	4.746	2890.851	0.14%	96.56%
50.0	53.987	4.600	2895.451	0.13%	96.72%
51.0	52.473	4.504	2899.955	0.13%	96.87%
52.0	51.090	4.444	2904.399	0.13%	97.02%
53.0	49.261	4.365	2908.764	0.13%	97.16%
54.0	47.652	4.272	2913.036	0.12%	97.30%
55.0	45.743	4.169	2917.205	0.12%	97.44%
56.0	43.775	4.045	2921.25	0.12%	97.58%
57.0	41.456	3.897	2925.147	0.11%	97.71%
58.0	39.115	3.726	2928.873	0.11%	97.83%
59.0	36.723	3.545	2932.418	0.10%	97.95%
60.0	34.360	3.358	2935.776	0.10%	98.06%
61.0	32.268	3.180	2938.956	0.09%	98.17%
62.0	30.439	3.022	2941.978	0.09%	98.27%
63.0	28.632	2.873	2944.85	0.08%	98.37%
64.0	26.774	2.719	2947.569	0.08%	98.46%
65.0	25.370	2.581	2950.15	0.07%	98.54%
66.0	23.863	2.456	2952.606	0.07%	98.63%
67.0	22.326	2.323	2954.929	0.07%	98.70%
68.0	21.127	2.201	2957.13	0.06%	98.78%
69.0	20.168	2.107	2959.236	0.06%	98.85%
70.0	19.327	2.028	2961.265	0.06%	98.92%
71.0	18.654	1.963	2963.228	0.06%	98.98%
72.0	18.062	1.909	2965.137	0.05%	99.04%
73.0	17.593	1.864	2967.002	0.05%	99.11%
74.0	17.140	1.826	2968.828	0.05%	99.17%
75.0	16.723	1.789	2970.617	0.05%	99.23%

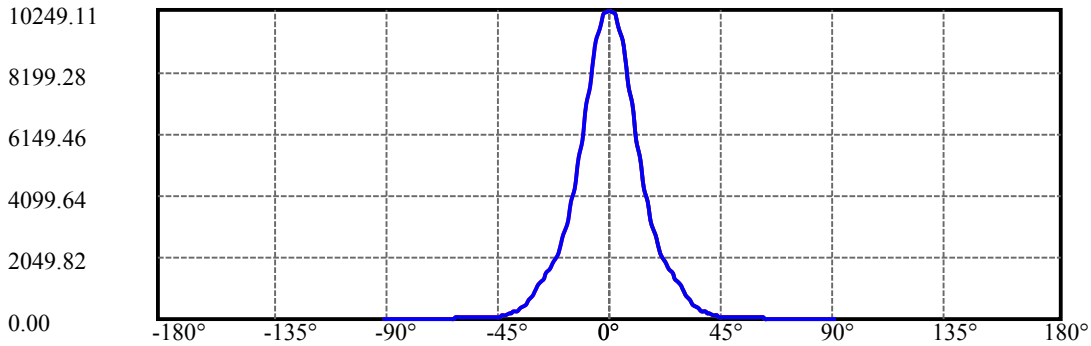
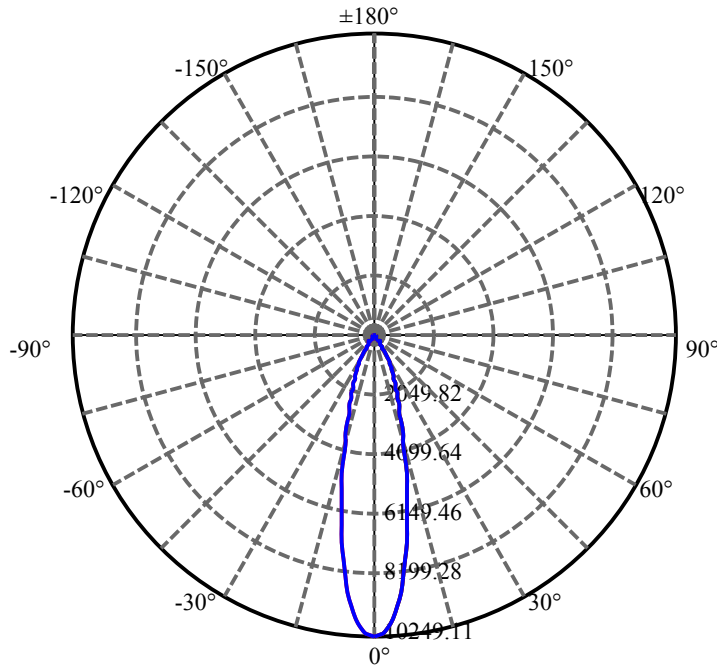
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.342	1.755	2972.372	0.05%	99.29%
77.0	15.962	1.722	2974.094	0.05%	99.34%
78.0	15.596	1.689	2975.784	0.05%	99.40%
79.0	15.230	1.656	2977.44	0.05%	99.46%
80.0	14.857	1.622	2979.062	0.05%	99.51%
81.0	14.528	1.589	2980.651	0.05%	99.56%
82.0	14.243	1.560	2982.211	0.04%	99.62%
83.0	13.914	1.531	2983.742	0.04%	99.67%
84.0	13.606	1.499	2985.241	0.04%	99.72%
85.0	13.350	1.471	2986.712	0.04%	99.77%
86.0	13.080	1.445	2988.157	0.04%	99.81%
87.0	12.838	1.418	2989.576	0.04%	99.86%
88.0	12.699	1.399	2990.975	0.04%	99.91%
89.0	12.546	1.384	2992.358	0.04%	99.95%
90.0	12.421	1.369	2993.727	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2566.94	73.64%	85.74%
0-40	2828.18	81.13%	94.47%
0-60	2935.78	84.22%	98.06%
0-90	2992.36	85.84%	99.95%
0-120	2992.36	85.84%	99.95%
0-180	2993.73	85.88%	100.00%
60-90	56.58	1.62%	1.89%
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%
0-26.95	2394.98	68.70%	80.00%

ZONAL LUMEN SUMMARY

0-10	792.54
10-20	1083.63
20-30	690.76
30-40	261.24
40-50	67.27
50-60	40.33
60-70	25.49
70-80	17.80
80-90	13.30
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: —————

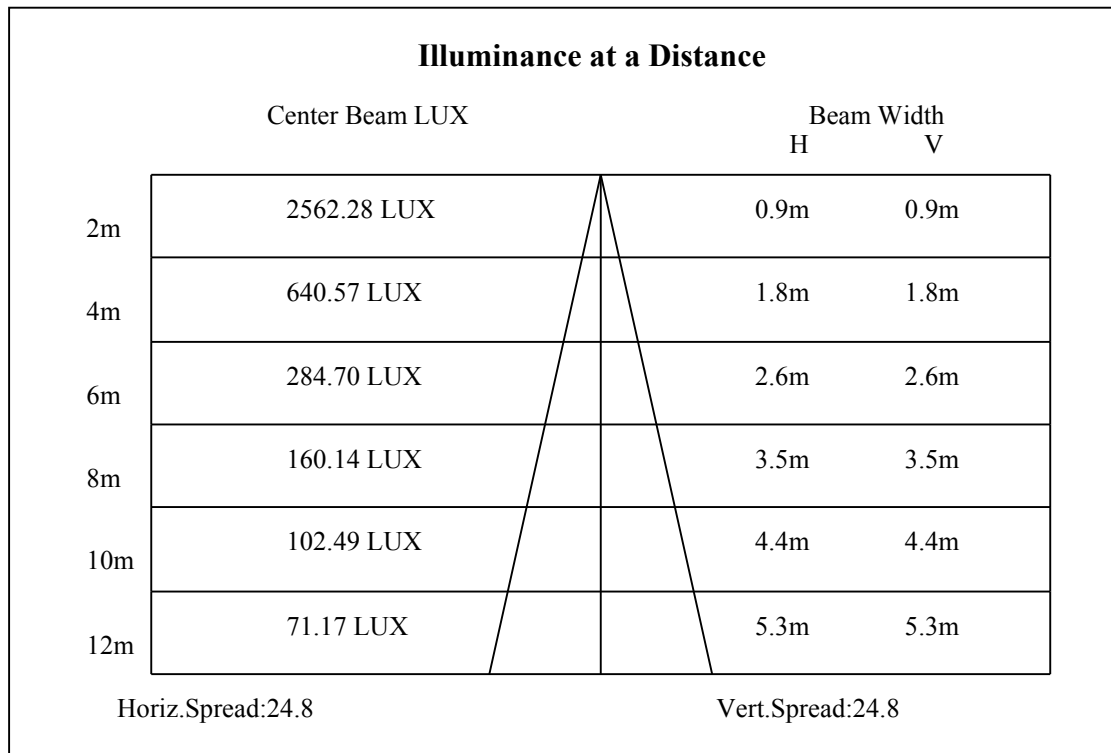
C90/C270: —————

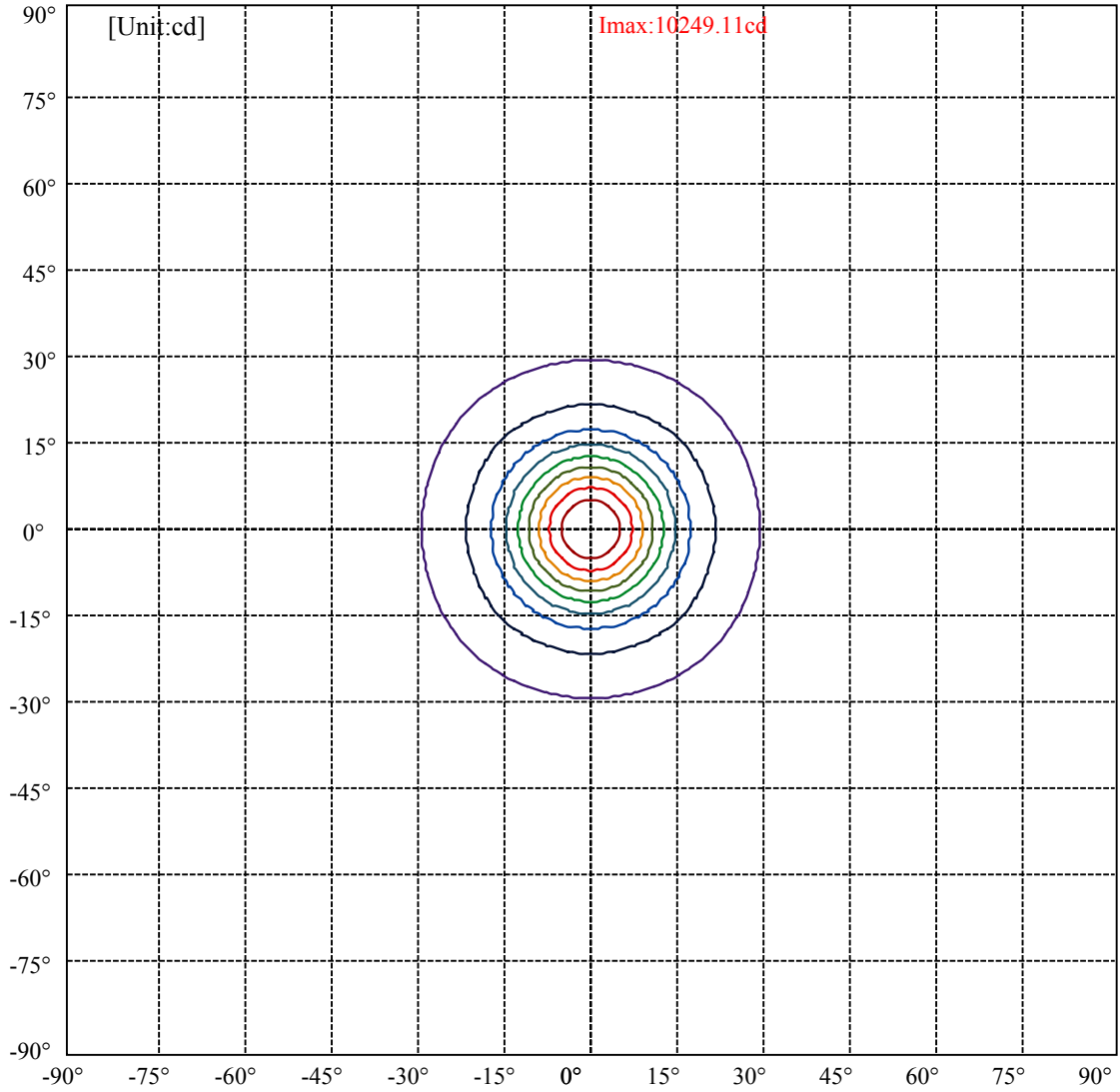
Field angle(10%Imax):C0/180Left:28.9 Right:28.9

:C90/270Left:28.9 Right:28.9

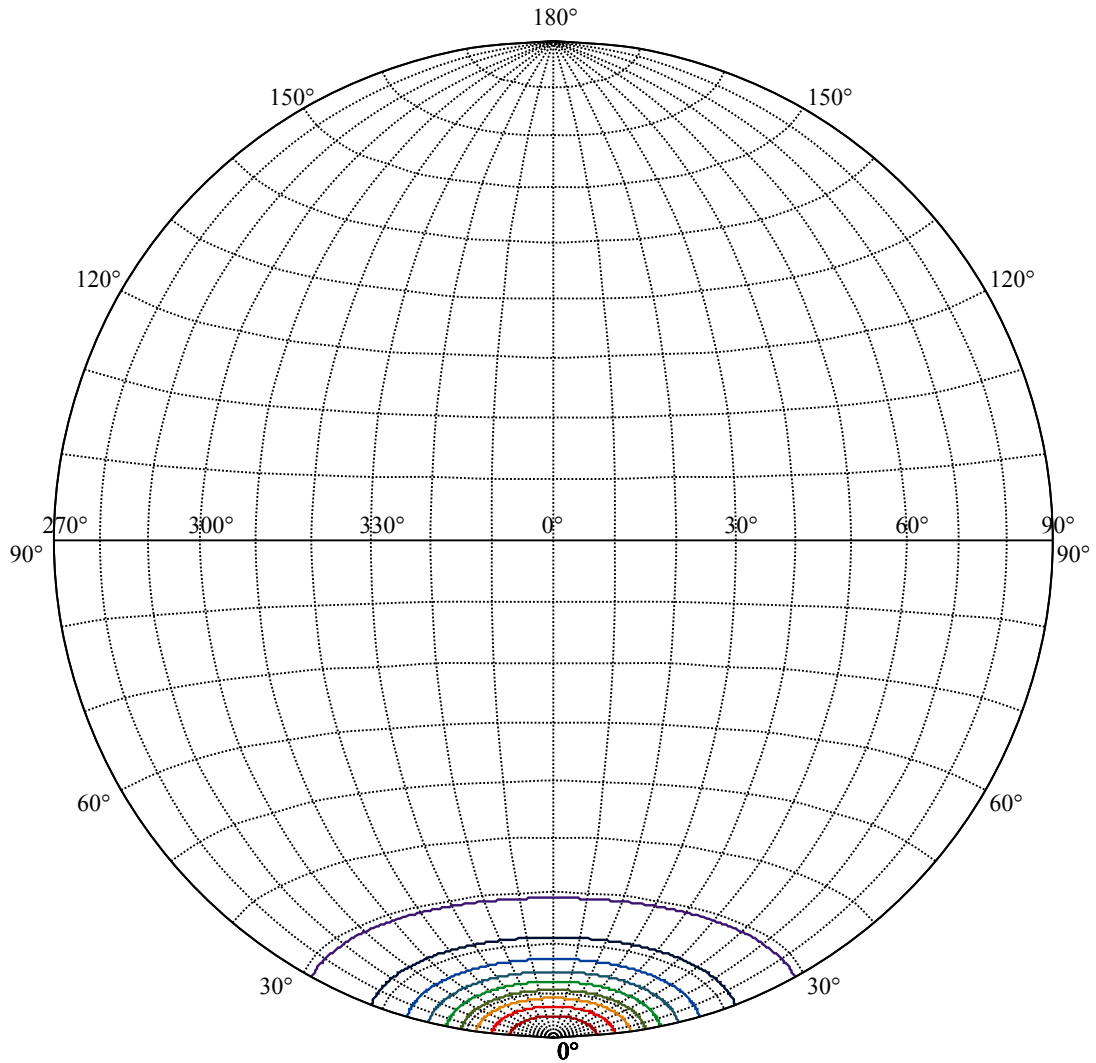
Beam Angle(50%Imax):C0/180Left:12.4 Right:12.4

:C90/270Left:12.4 Right:12.4





(10%Imax) 1024.91	—
(20%Imax) 2049.82	—
(30%Imax) 3074.73	—
(40%Imax) 4099.64	—
(50%Imax) 5124.55	—
(60%Imax) 6149.46	—
(70%Imax) 7174.37	—
(80%Imax) 8199.28	—
(90%Imax) 9224.2	—



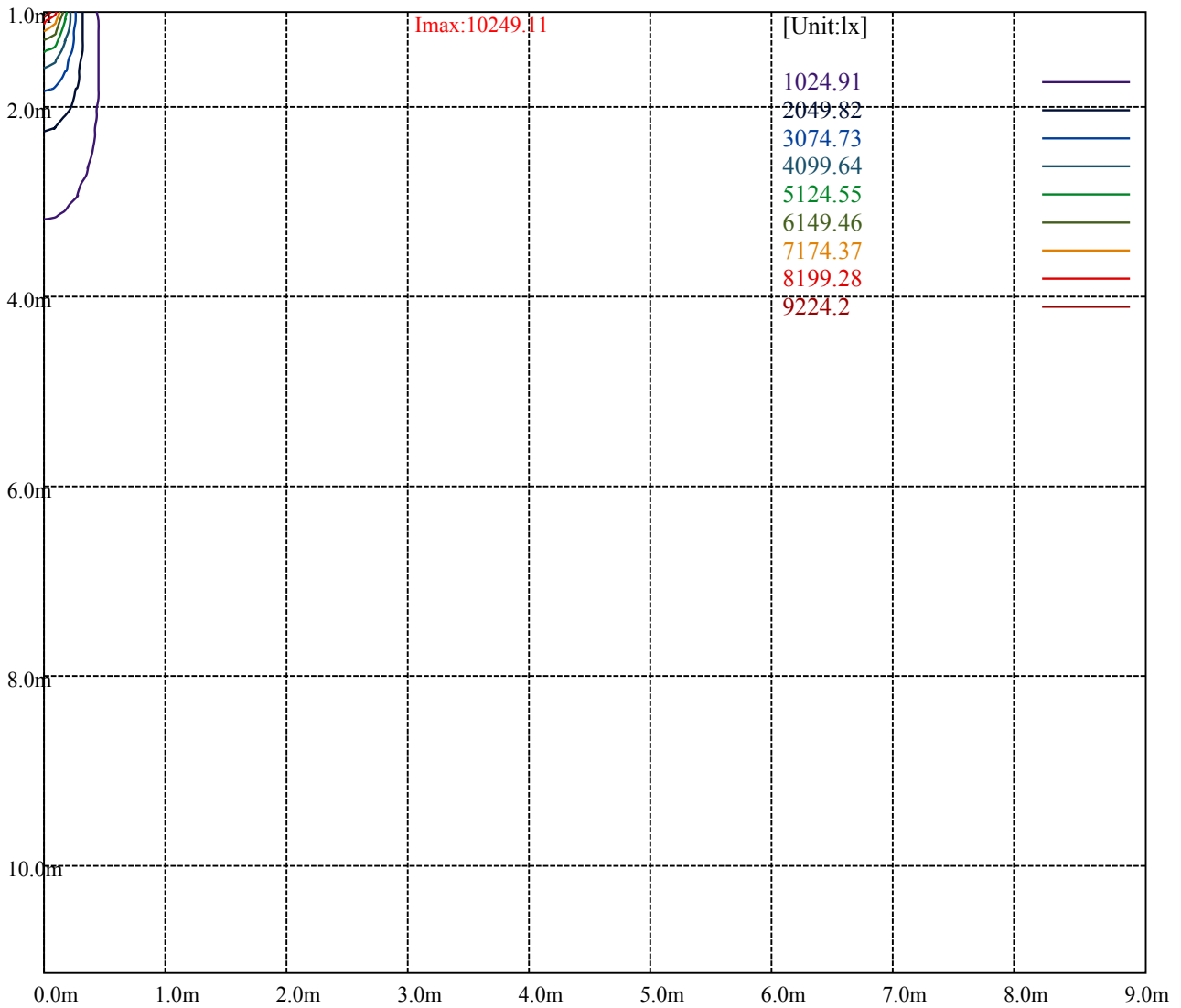
House

[Unit:cd]

Road

Imax:10249.11

(10%Imax)	1024.91	—
(20%Imax)	2049.82	—
(30%Imax)	3074.73	—
(40%Imax)	4099.64	—
(50%Imax)	5124.55	—
(60%Imax)	6149.46	—
(70%Imax)	7174.37	—
(80%Imax)	8199.28	—
(90%Imax)	9224.2	—



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

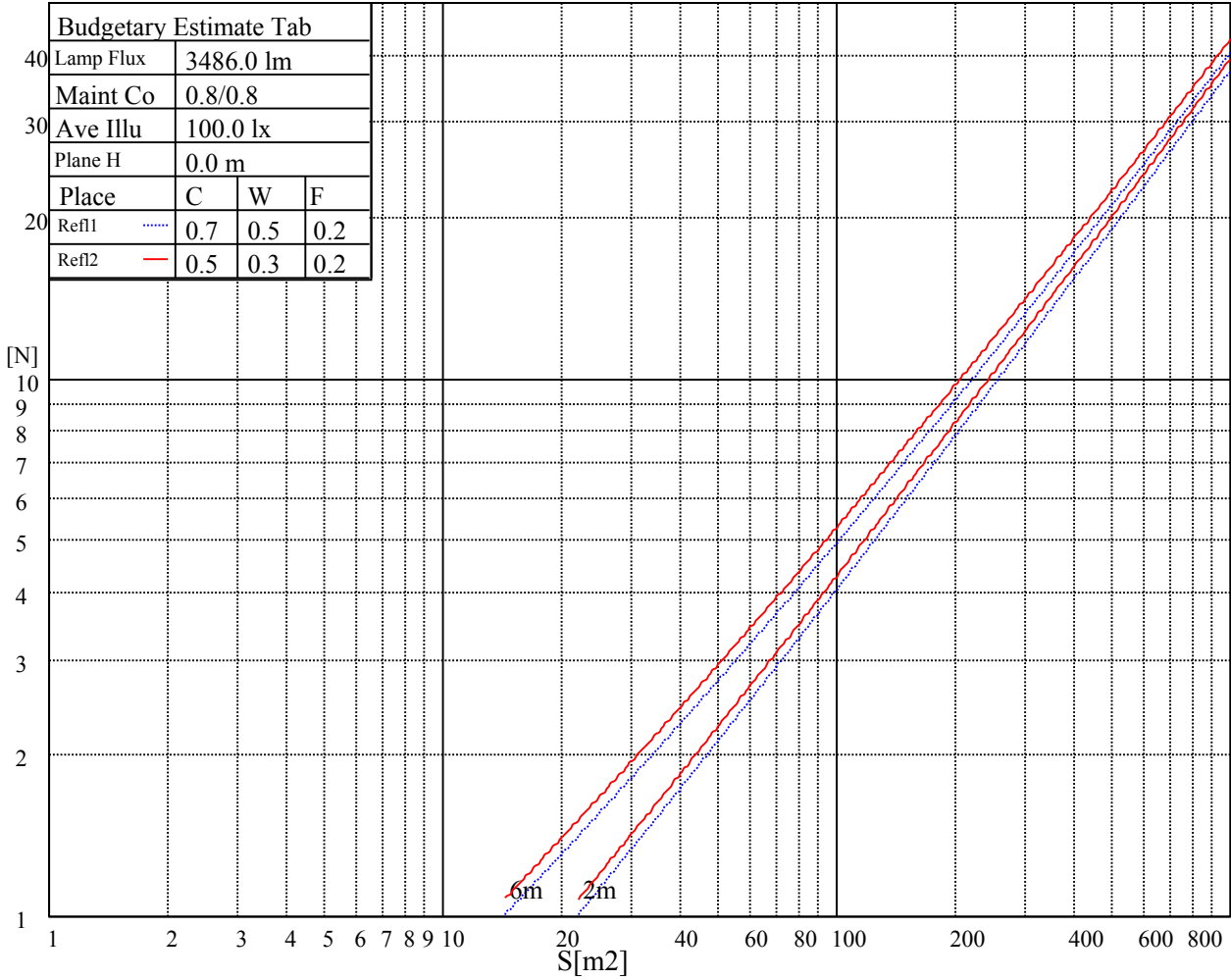
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

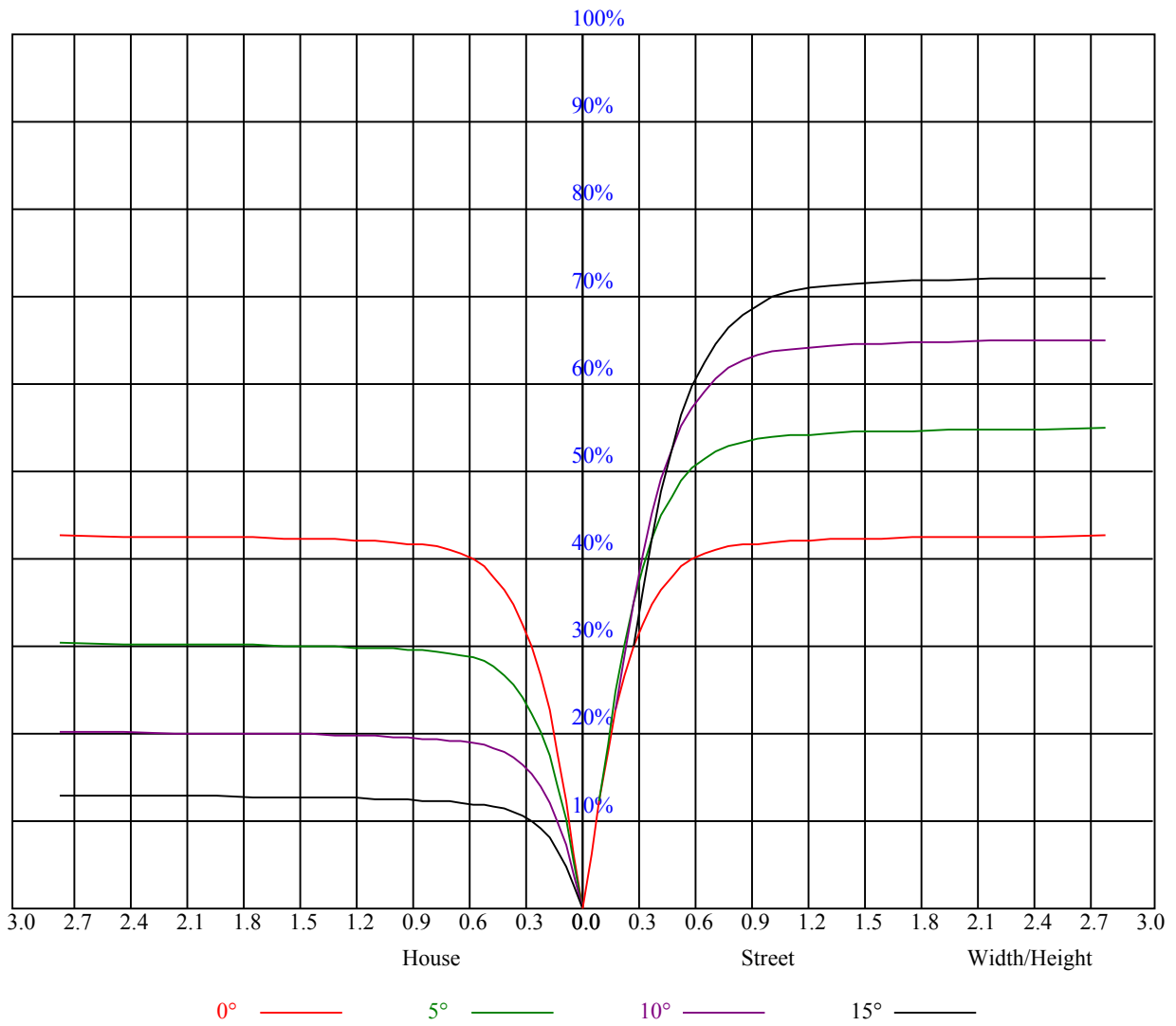


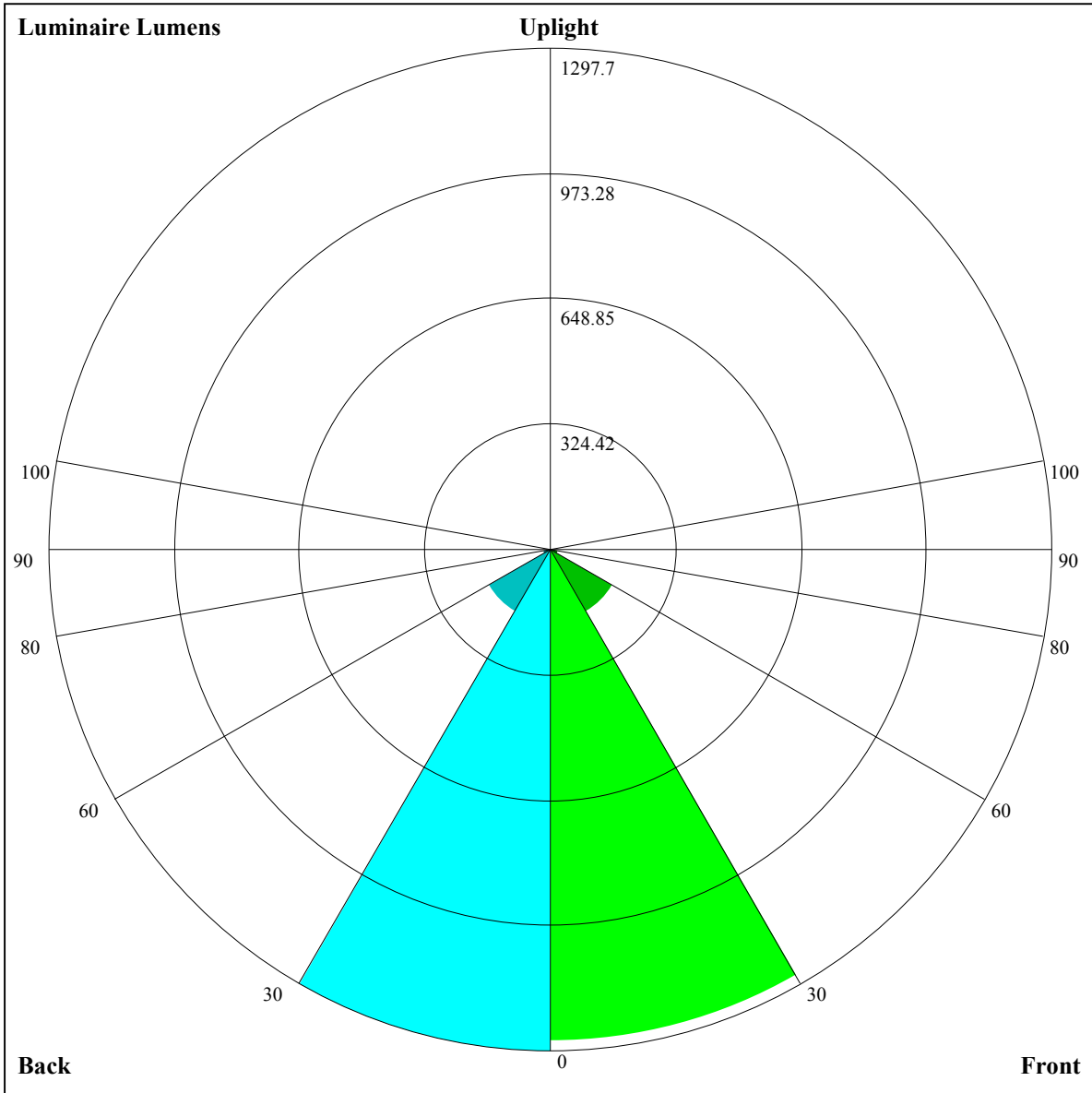
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.95	0.95	0.95	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	0.85	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=1272.19,FM=186.28,FH=21.58,FVH=7.34

BL=1297.7,BM=186.24,BH=21.8,BVH=7.34

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	10266.08	10180.63	10005.07	9762.78	9393.50	9005.50	8551.95	8051.58	7376.23
45.0	10231.55	10266.08	10215.75	10030.23	9811.36	9524.60	9166.44	8603.45	8097.82
90.0	10255.54	10223.94	10061.25	9847.05	9588.38	9165.85	8743.32	8114.20	7571.70
135.0	10243.25	10241.50	10226.87	10102.21	9882.17	9597.16	9185.75	8788.97	8299.72
180.0	10266.08	10235.06	10202.29	10040.18	9810.77	9416.91	9049.39	8611.64	8103.67
225.0	10231.55	10168.93	10008.58	9683.78	9345.52	8958.10	8384.58	7853.19	7298.98
270.0	10255.54	10242.08	10179.46	9951.81	9680.27	9336.15	8953.42	8376.97	7861.39
315.0	10243.25	10115.09	9906.75	9629.35	9303.38	8914.21	8328.40	7800.52	7259.77
360.0	10266.08	10180.63	10005.07	9762.78	9393.50	9005.50	8551.95	8051.58	7376.23
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6800.37	6218.07	5666.21	5032.99	4562.47	4117.70	3611.48	3255.67	2874.10
45.0	7560.00	6988.82	6276.01	5739.36	5230.21	4738.04	4161.01	3732.04	3355.74
90.0	6992.91	6399.49	5704.83	5194.52	4703.51	4249.96	3720.33	3345.20	3019.82
135.0	7644.85	7092.40	6517.71	5796.71	5265.91	4772.57	4314.92	3778.27	3393.78
180.0	7428.32	6857.14	6270.16	5695.47	5037.09	4554.28	4115.36	3704.53	3251.57
225.0	6738.92	6035.48	5481.28	4957.50	4476.44	3943.30	3552.96	3202.99	2827.87
270.0	7329.42	6783.40	6071.18	5504.68	4848.65	4375.79	3953.84	3475.12	3141.55
315.0	6555.16	5982.81	5430.95	4803.59	4354.72	3833.87	3462.83	3133.35	2837.23
360.0	6800.37	6218.07	5666.21	5032.99	4562.47	4117.70	3611.48	3255.67	2874.10
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2620.70	2406.50	2218.06	2011.48	1869.27	1742.27	1622.89	1479.51	1158.04
45.0	2959.54	2696.78	2424.65	2236.79	2069.41	1919.01	1752.22	1626.40	1503.50
90.0	2745.93	2459.17	2262.54	2043.66	1890.34	1720.03	1591.29	1468.97	1162.14
135.0	3058.44	2771.10	2479.07	2278.34	2057.71	1905.55	1763.34	1598.89	1470.14
180.0	2936.13	2586.75	2377.83	2199.92	1969.93	1833.57	1692.53	1575.48	1418.06
225.0	2570.95	2312.87	2134.37	1974.61	1834.15	1676.73	1556.76	1438.54	1140.55
270.0	2838.40	2572.12	2321.06	2147.83	1996.85	1855.22	1700.72	1588.94	1467.22
315.0	2528.23	2328.67	2150.76	1996.85	1829.47	1708.92	1591.87	1477.17	1159.74
360.0	2620.70	2406.50	2218.06	2011.48	1869.27	1742.27	1622.89	1479.51	1158.04
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1158.04	1098.99	981.13	860.98	713.51	602.66	507.98	414.87	356.40
45.0	1382.95	1231.37	1113.74	993.77	873.21	726.32	616.30	502.77	431.95
90.0	1162.14	1071.02	951.28	831.66	685.59	578.67	488.66	417.09	346.39
135.0	1347.83	1225.52	1075.12	952.80	832.25	714.03	579.43	488.14	415.57
180.0	1303.35	1178.12	1064.58	912.42	783.67	670.73	565.39	452.44	387.48
225.0	1140.55	1049.02	924.48	801.23	653.52	547.13	440.32	373.67	318.95
270.0	1323.84	1207.38	1085.65	931.74	809.42	661.36	556.02	467.07	396.26
315.0	1159.74	1101.28	947.83	825.11	676.87	568.49	477.43	404.86	332.47
360.0	1158.04	1098.99	981.13	860.98	713.51	602.66	507.98	414.87	356.40
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	306.89	263.99	217.82	186.04	160.64	138.35	114.70	99.02	86.67
45.0	374.60	313.74	302.62	302.62	196.64	161.81	138.35	118.51	102.06
90.0	299.11	258.67	214.43	183.82	152.10	130.27	111.72	96.21	81.52
135.0	344.17	297.35	297.35	208.46	179.20	149.17	129.22	111.66	96.39
180.0	320.18	297.35	297.35	195.00	168.54	145.66	126.06	104.99	90.77
225.0	262.77	224.43	192.13	158.54	136.06	117.63	102.12	86.44	76.90
270.0	325.44	300.28	300.28	199.91	165.21	142.15	123.60	108.09	92.47
315.0	284.24	242.75	207.58	171.00	146.95	127.05	110.43	93.58	82.87
360.0	306.89	263.99	217.82	186.04	160.64	138.35	114.70	99.02	86.67

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	74.56	67.59	61.51	58.23	55.36	53.26	51.62	50.04	48.52
45.0	86.20	76.55	69.23	62.97	59.99	57.18	55.01	53.90	51.73
90.0	72.45	65.25	60.69	57.59	54.84	52.85	52.09	50.45	48.69
135.0	83.86	72.28	65.60	60.75	57.70	54.54	52.73	52.20	50.10
180.0	79.42	70.93	63.44	59.28	56.88	53.78	52.73	51.62	49.69
225.0	69.06	63.09	58.76	56.12	53.78	52.09	50.91	48.92	47.46
270.0	82.28	71.63	65.72	61.62	57.47	54.89	53.55	52.03	49.98
315.0	72.16	65.72	61.51	57.24	54.72	53.31	51.15	49.57	47.93
360.0	74.56	67.59	61.51	58.23	55.36	53.26	51.62	50.04	48.52
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	46.17	44.42	42.55	40.09	37.40	35.23	32.89	31.08	29.38
45.0	50.45	48.75	46.82	44.48	42.02	39.56	37.22	34.53	32.25
90.0	47.29	45.18	43.37	40.79	38.45	36.23	33.94	31.66	30.26
135.0	48.87	47.29	45.47	43.66	41.26	38.86	36.75	34.35	32.01
180.0	48.52	46.35	44.42	42.55	40.38	37.40	35.17	32.95	31.37
225.0	45.65	43.95	41.43	39.03	36.93	34.88	32.19	30.72	29.14
270.0	48.40	46.35	44.48	41.90	39.44	37.40	34.53	32.42	30.61
315.0	45.88	43.66	41.67	39.15	37.04	34.24	32.19	30.43	28.50
360.0	46.17	44.42	42.55	40.09	37.40	35.23	32.89	31.08	29.38
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.51	25.93	24.70	23.06	21.59	20.66	19.78	19.08	18.38
45.0	30.55	28.15	26.63	25.34	23.41	22.12	21.19	20.07	19.25
90.0	28.44	26.51	25.28	23.94	22.36	21.07	20.13	19.31	18.49
135.0	30.49	28.68	26.92	25.69	23.99	22.41	21.07	20.19	19.37
180.0	29.44	27.56	26.10	24.76	22.94	21.48	20.37	19.55	18.90
225.0	27.21	25.46	24.17	22.24	21.07	20.19	19.31	18.61	18.08
270.0	28.68	26.80	25.52	23.70	22.18	21.07	20.25	19.25	18.67
315.0	26.74	25.11	23.64	22.18	21.07	20.01	19.25	18.55	18.08
360.0	27.51	25.93	24.70	23.06	21.59	20.66	19.78	19.08	18.38
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.91	17.50	17.03	16.62	16.21	15.86	15.45	15.16	14.69
45.0	18.67	18.14	17.62	17.15	16.80	16.39	15.98	15.63	15.33
90.0	17.97	17.44	17.03	16.68	16.33	15.92	15.57	15.22	14.86
135.0	18.49	18.02	17.56	17.03	16.62	16.27	15.92	15.51	15.10
180.0	18.14	17.73	17.32	16.91	16.44	16.09	15.74	15.33	14.92
225.0	17.67	17.15	16.74	16.44	16.09	15.63	15.33	14.98	14.57
270.0	18.14	17.67	17.15	16.74	16.33	15.98	15.63	15.22	14.92
315.0	17.50	17.09	16.68	16.21	15.92	15.57	15.16	14.81	14.46
360.0	17.91	17.50	17.03	16.62	16.21	15.86	15.45	15.16	14.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.40	14.16	13.87	13.58	13.34	13.05	12.76	12.76	12.35
45.0	14.86	14.63	14.16	13.87	13.64	13.23	13.05	12.76	12.87
90.0	14.51	14.22	13.93	13.58	13.34	13.11	12.82	12.70	12.41
135.0	14.81	14.46	14.10	13.81	13.52	13.28	13.05	12.76	12.76
180.0	14.63	14.28	13.99	13.64	13.40	13.11	12.87	12.76	12.82
225.0	14.28	14.05	13.69	13.40	13.11	12.93	12.70	12.70	12.35
270.0	14.57	14.22	13.93	13.64	13.34	13.11	12.82	12.70	12.41
315.0	14.16	13.93	13.64	13.34	13.11	12.82	12.64	12.47	12.41
360.0	14.40	14.16	13.87	13.58	13.34	13.05	12.76	12.76	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.47
45.0	12.35
90.0	12.35
135.0	12.41
180.0	12.41
225.0	12.47
270.0	12.47
315.0	12.47
360.0	12.47