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NT

Client:

LumCAT: 3-2805-L

Luminaire: 92.70.412.00

Report No: 2024325-B002

Ballast type: AC

Test No: 2024325-C002

Voltage(V): 34.770

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3474.0

Power (W): 20.062

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3009.91, Efficiency(%): 86.64% , Luminous Efficacy(lm/W): 150.03

Central intensity(cd): 13702.170, Maximum intensity(cd): 13702.170

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.4

[C90/270]Total=17.4

Field angle(10%Imax): [C0/180]Total=51.8

[C90/270]Total=51.8

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.64%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.813%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/25
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	13702.166	0.000	0	0.00%	0.00%
1.0	13554.396	13.042	13.042	0.38%	0.43%
2.0	12644.028	37.602	50.644	1.08%	1.68%
3.0	12226.916	59.483	110.127	1.71%	3.66%
4.0	11537.374	79.547	189.674	2.29%	6.30%
5.0	10552.514	95.030	284.704	2.74%	9.46%
6.0	9539.928	105.591	390.295	3.04%	12.97%
7.0	8489.888	111.911	502.205	3.22%	16.69%
8.0	7446.944	114.057	616.262	3.28%	20.47%
9.0	6615.632	113.970	730.232	3.28%	24.26%
10.0	5889.880	113.170	843.402	3.26%	28.02%
11.0	5331.648	112.126	955.528	3.23%	31.75%
12.0	4824.551	111.022	1066.55	3.20%	35.43%
13.0	4392.362	109.382	1175.932	3.15%	39.07%
14.0	4008.089	107.525	1283.457	3.10%	42.64%
15.0	3670.780	105.419	1388.876	3.03%	46.14%
16.0	3367.487	103.130	1492.006	2.97%	49.57%
17.0	3078.898	100.388	1592.394	2.89%	52.91%
18.0	2855.269	97.842	1690.235	2.82%	56.16%
19.0	2737.712	97.306	1787.541	2.80%	59.39%
20.0	2491.427	95.708	1883.249	2.75%	62.57%
21.0	2231.009	90.680	1973.93	2.61%	65.58%
22.0	2058.953	86.209	2060.138	2.48%	68.45%
23.0	1877.680	82.601	2142.739	2.38%	71.19%
24.0	1708.696	78.411	2221.15	2.26%	73.79%
25.0	1532.763	73.704	2294.854	2.12%	76.24%
26.0	1347.261	67.983	2362.837	1.96%	78.50%
27.0	1240.223	63.303	2426.141	1.82%	80.61%
28.0	1164.722	60.888	2487.029	1.75%	82.63%
29.0	1058.592	58.168	2545.197	1.67%	84.56%
30.0	933.953	53.798	2598.995	1.55%	86.35%
31.0	809.008	48.504	2647.5	1.40%	87.96%
32.0	686.535	42.846	2690.345	1.23%	89.38%
33.0	555.261	36.584	2726.929	1.05%	90.60%
34.0	432.284	29.886	2756.815	0.86%	91.59%
35.0	323.125	23.460	2780.275	0.68%	92.37%
36.0	243.315	18.036	2798.311	0.52%	92.97%
37.0	219.364	15.090	2813.401	0.43%	93.47%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	130.659	11.683	2825.084	0.34%	93.86%
39.0	110.417	8.229	2833.313	0.24%	94.13%
40.0	103.717	7.468	2840.781	0.21%	94.38%
41.0	97.564	7.168	2847.948	0.21%	94.62%
42.0	91.888	6.883	2854.831	0.20%	94.85%
43.0	85.714	6.579	2861.41	0.19%	95.07%
44.0	80.366	6.268	2867.679	0.18%	95.27%
45.0	75.077	5.974	2873.652	0.17%	95.47%
46.0	70.629	5.698	2879.351	0.16%	95.66%
47.0	66.401	5.450	2884.801	0.16%	95.84%
48.0	62.904	5.227	2890.028	0.15%	96.02%
49.0	59.722	5.036	2895.064	0.14%	96.18%
50.0	57.030	4.868	2899.931	0.14%	96.35%
51.0	54.704	4.727	2904.659	0.14%	96.50%
52.0	52.751	4.611	2909.27	0.13%	96.66%
53.0	51.229	4.523	2913.793	0.13%	96.81%
54.0	50.022	4.463	2918.256	0.13%	96.96%
55.0	49.276	4.432	2922.688	0.13%	97.10%
56.0	48.449	4.416	2927.104	0.13%	97.25%
57.0	47.454	4.385	2931.489	0.13%	97.39%
58.0	45.933	4.319	2935.807	0.12%	97.54%
59.0	44.089	4.209	2940.016	0.12%	97.68%
60.0	41.558	4.046	2944.062	0.12%	97.81%
61.0	38.800	3.835	2947.897	0.11%	97.94%
62.0	35.516	3.581	2951.478	0.10%	98.06%
63.0	32.165	3.292	2954.77	0.09%	98.17%
64.0	29.444	3.023	2957.793	0.09%	98.27%
65.0	26.994	2.793	2960.586	0.08%	98.36%
66.0	24.953	2.592	2963.178	0.07%	98.45%
67.0	23.526	2.438	2965.616	0.07%	98.53%
68.0	22.707	2.342	2967.958	0.07%	98.61%
69.0	22.421	2.302	2970.26	0.07%	98.68%
70.0	22.436	2.304	2972.564	0.07%	98.76%
71.0	22.363	2.315	2974.879	0.07%	98.84%
72.0	21.939	2.304	2977.183	0.07%	98.91%
73.0	21.544	2.274	2979.456	0.07%	98.99%
74.0	21.214	2.248	2981.704	0.06%	99.06%
75.0	20.812	2.221	2983.925	0.06%	99.14%

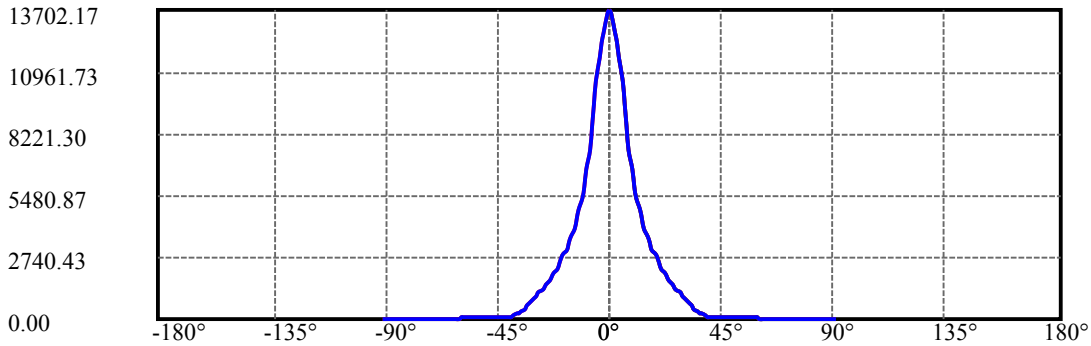
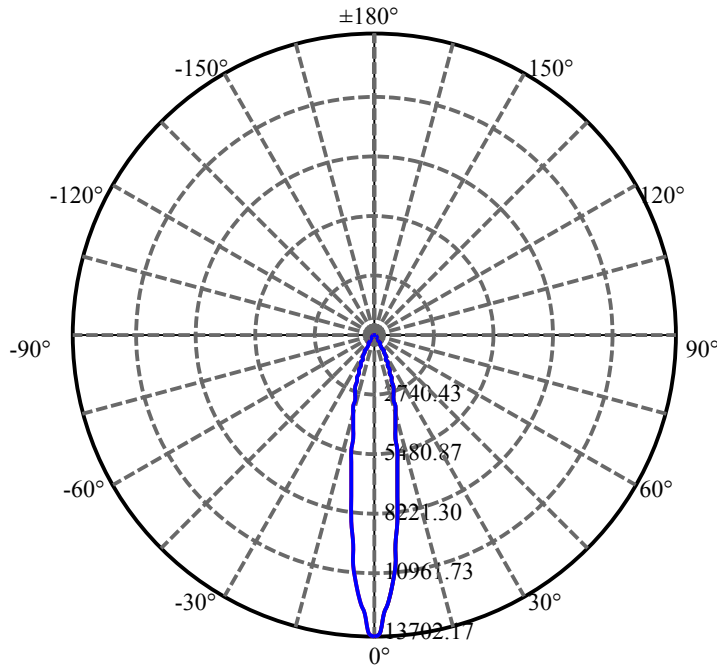
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.366	2.186	2986.111	0.06%	99.21%
77.0	20.015	2.153	2988.264	0.06%	99.28%
78.0	19.473	2.114	2990.377	0.06%	99.35%
79.0	18.895	2.062	2992.439	0.06%	99.42%
80.0	17.974	1.988	2994.427	0.06%	99.49%
81.0	16.862	1.884	2996.311	0.05%	99.55%
82.0	15.567	1.759	2998.069	0.05%	99.61%
83.0	14.682	1.644	2999.713	0.05%	99.66%
84.0	14.192	1.573	3001.286	0.05%	99.71%
85.0	13.782	1.527	3002.813	0.04%	99.76%
86.0	13.328	1.482	3004.295	0.04%	99.81%
87.0	13.007	1.441	3005.736	0.04%	99.86%
88.0	12.743	1.411	3007.147	0.04%	99.91%
89.0	12.546	1.386	3008.533	0.04%	99.95%
90.0	12.480	1.372	3009.905	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2599.00	74.81%	86.35%
0-40	2840.78	81.77%	94.38%
0-60	2944.06	84.74%	97.81%
0-90	3008.53	86.60%	99.95%
0-120	3008.53	86.60%	99.95%
0-180	3009.91	86.64%	100.00%
60-90	64.47	1.86%	2.14%
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%
0-26.71	2407.92	69.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	843.40
10-20	1039.85
20-30	715.75
30-40	241.79
40-50	59.15
50-60	44.13
60-70	28.50
70-80	21.86
80-90	14.11
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



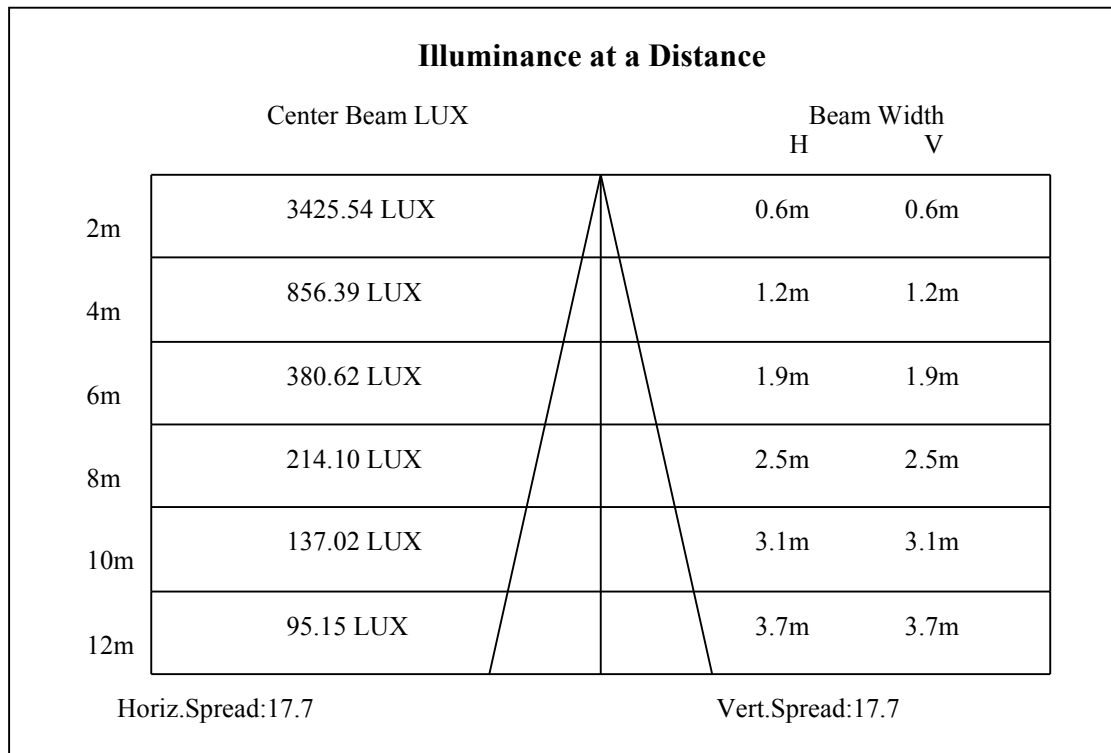
C0(Max): —————

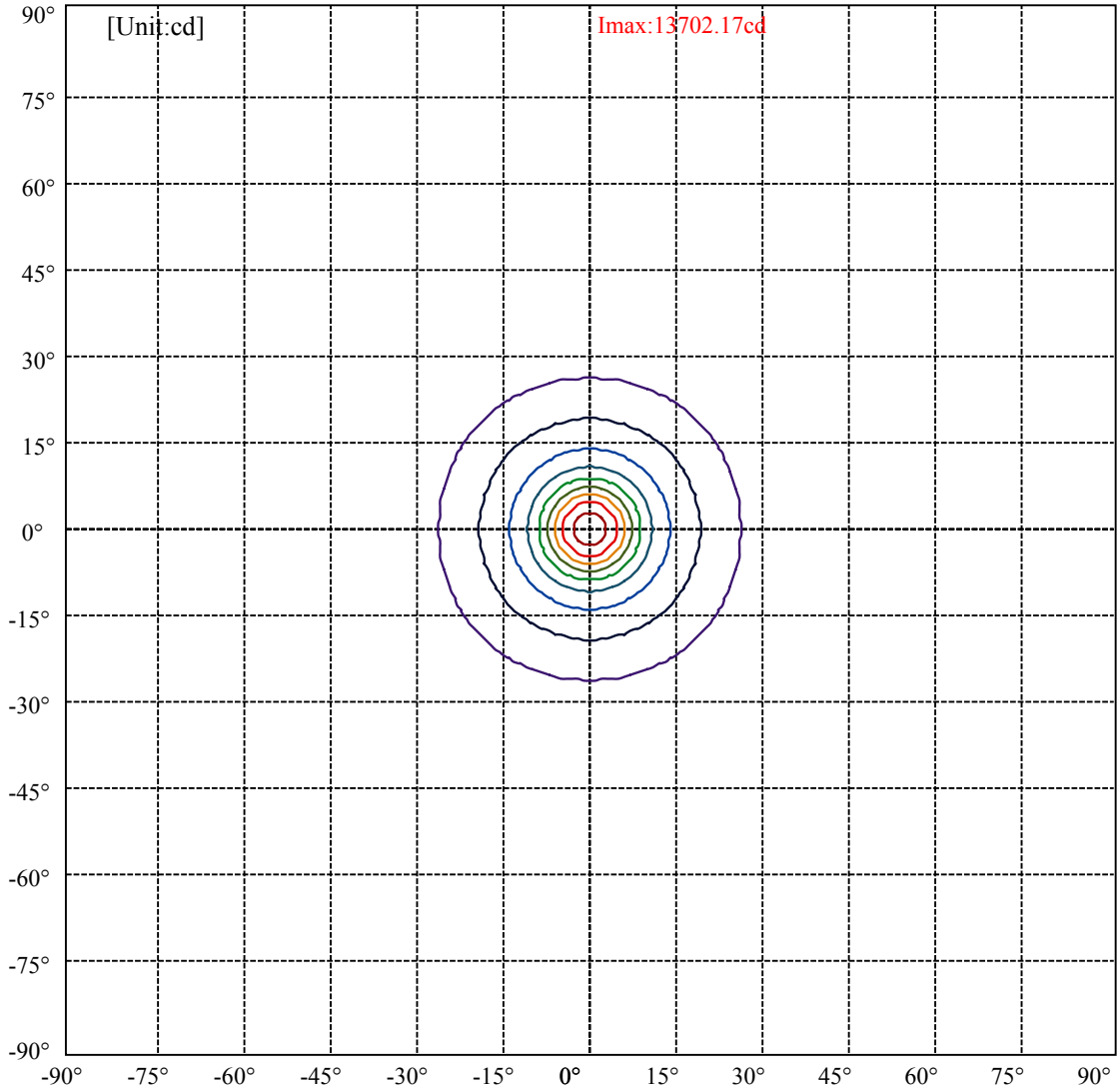
C0/C180: —————

C90/C270: —————

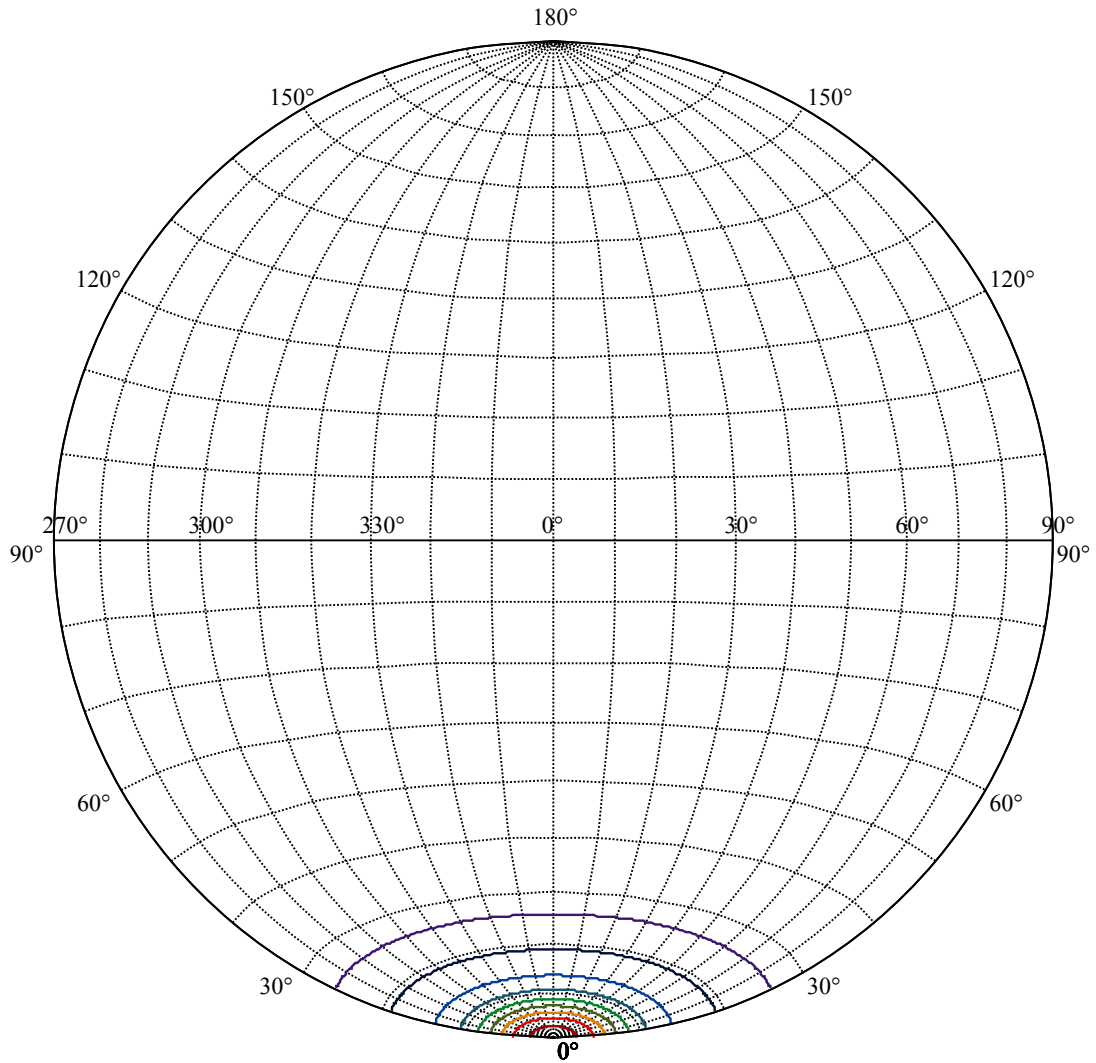
Field angle(10%Imax):C0/180Left:25.9 Right:25.9
:C90/270Left:25.9 Right:25.9

Beam Angle(50%Imax):C0/180Left:8.7 Right:8.7
:C90/270Left:8.7 Right:8.7





(10%Imax) 1370.22	—
(20%Imax) 2740.43	—
(30%Imax) 4110.65	—
(40%Imax) 5480.87	—
(50%Imax) 6851.08	—
(60%Imax) 8221.3	—
(70%Imax) 9591.52	—
(80%Imax) 10961.7	—
(90%Imax) 12331.9	—



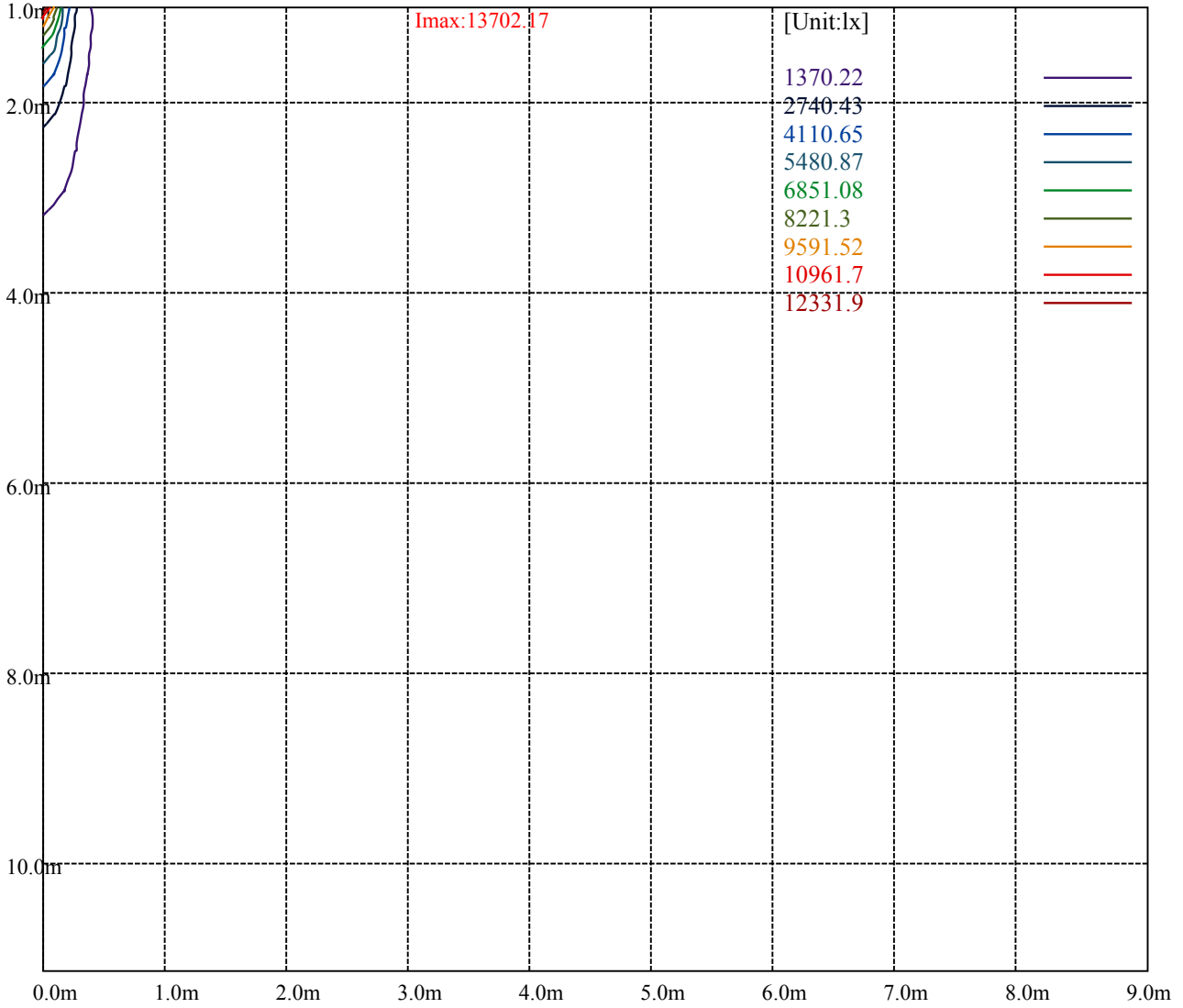
House

[Unit:cd]

Road

Imax:13702.17

(10%Imax)	1370.22	—
(20%Imax)	2740.43	—
(30%Imax)	4110.65	—
(40%Imax)	5480.87	—
(50%Imax)	6851.08	—
(60%Imax)	8221.3	—
(70%Imax)	9591.52	—
(80%Imax)	10961.7	—
(90%Imax)	12331.9	—



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

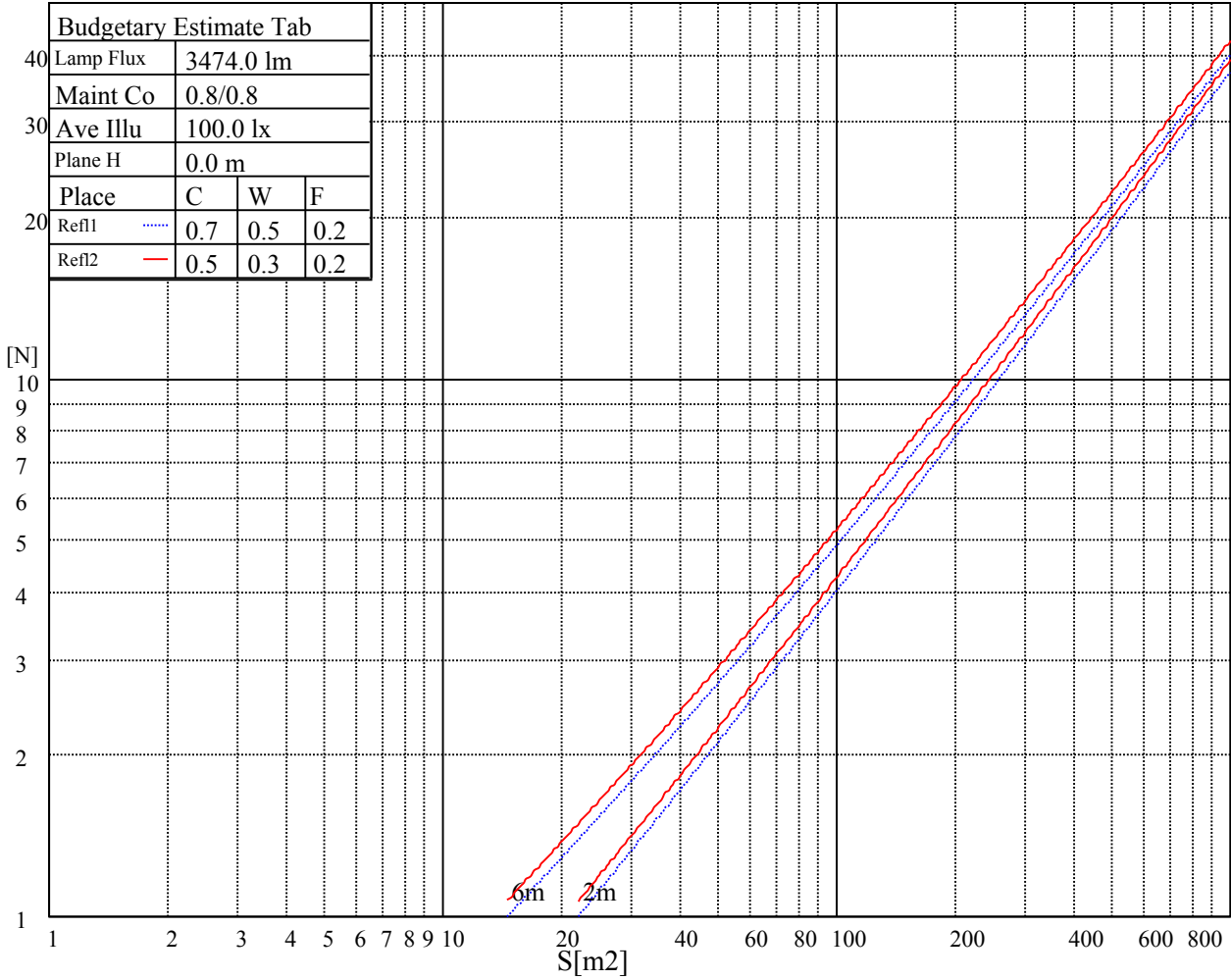
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

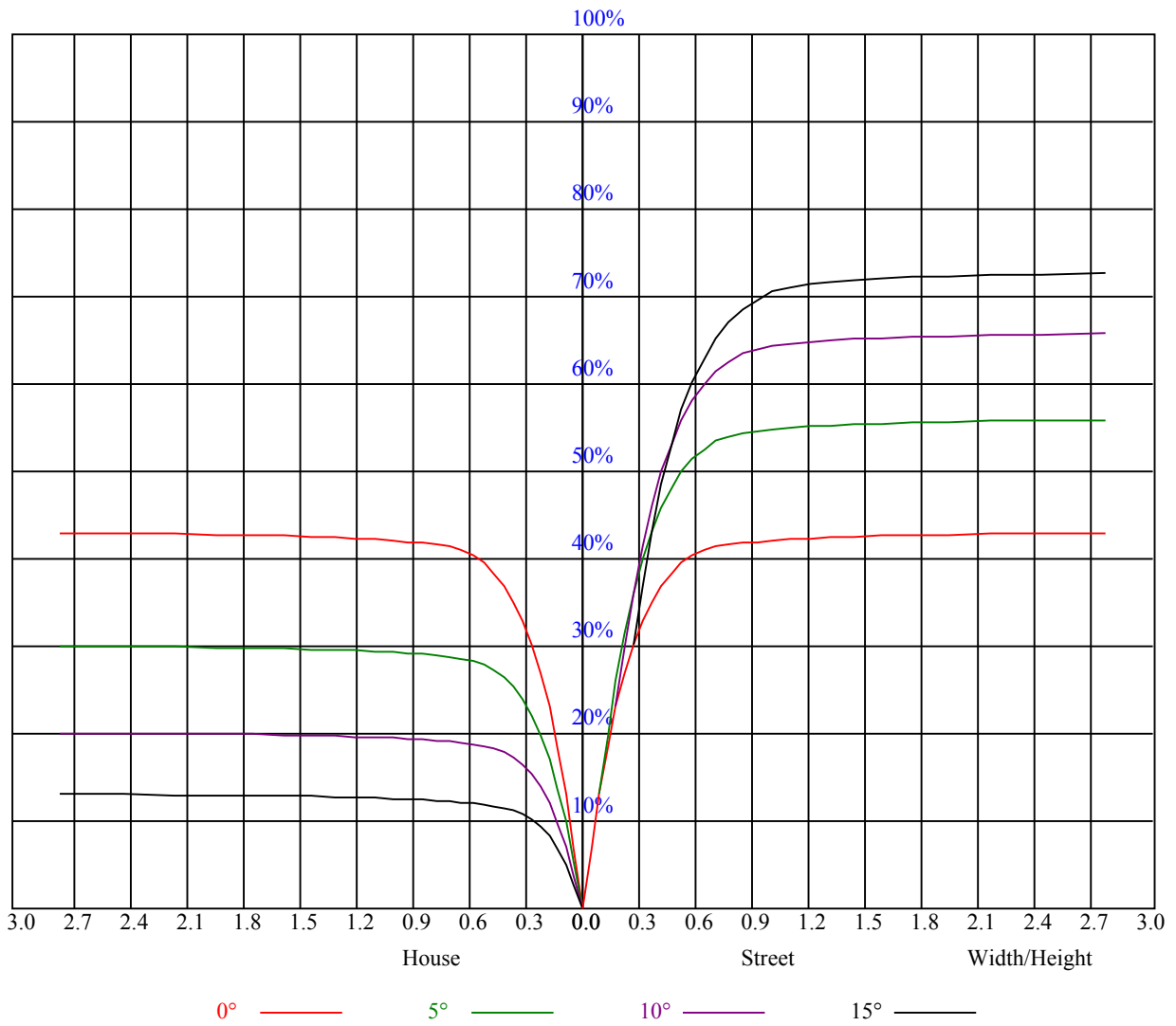


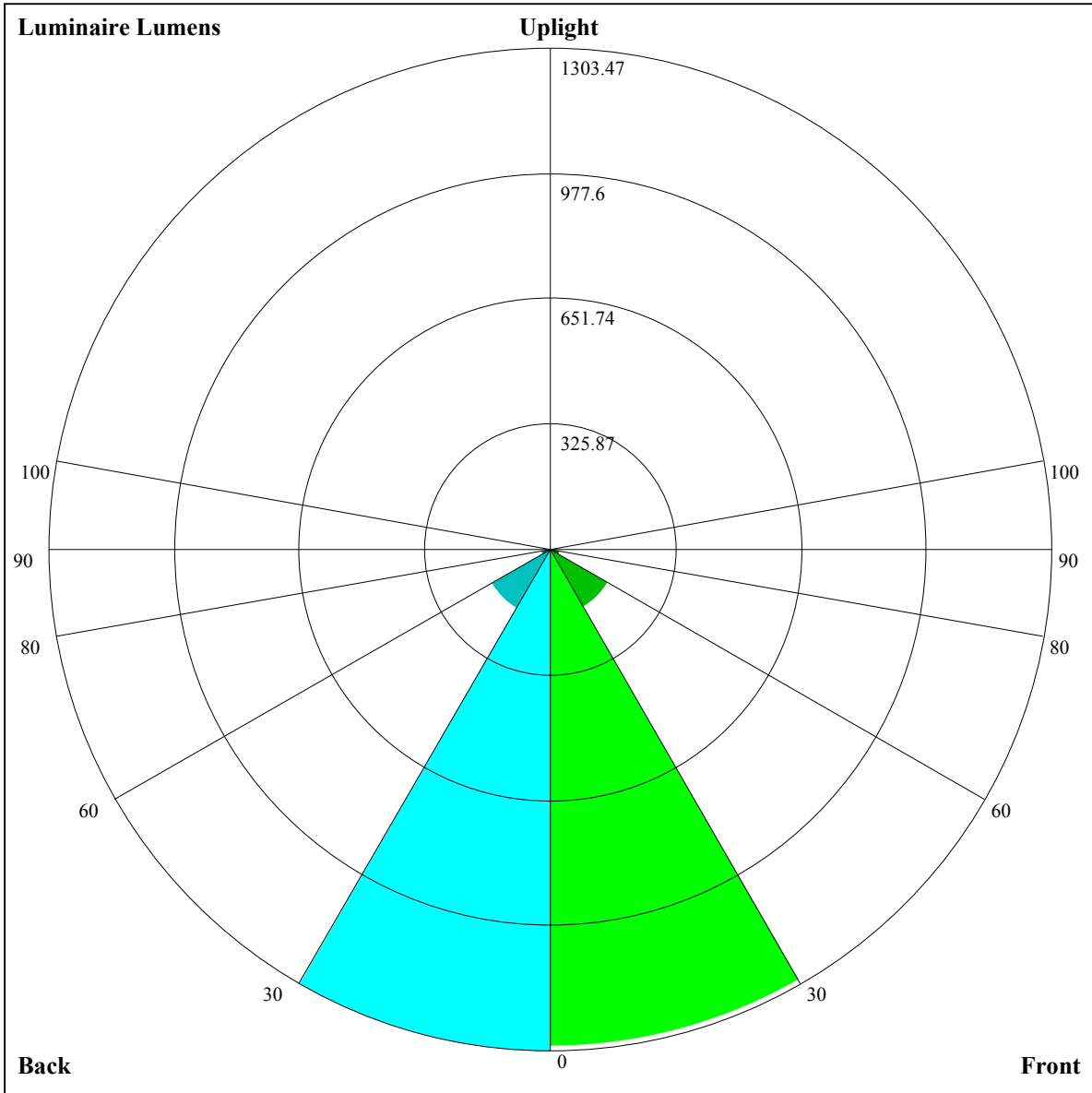
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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 RHOFC=20 CU															
0	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.87
1	0.97	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	0.84	0.82
2	0.91	0.88	0.85	0.90	0.87	0.85	0.87	0.85	0.83	0.84	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	0.75	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	0.69	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.67	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	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	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	0.61	0.66	0.63	0.61	0.60
9	0.67	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=1291.64,FM=173.87,FH=25.02,FVH=7.79

BL=1303.47,BM=175.25,BH=24.89,BVH=7.71

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	13744.59	13487.10	11576.98	11576.98	11116.99	10146.69	9156.49	8164.53	7029.20
45.0	13633.40	13785.56	13674.37	13159.37	12462.95	11374.43	10414.66	9425.63	8190.81
90.0	13773.86	13621.70	12679.48	11502.07	11502.07	10307.04	9312.74	8320.20	7383.26
135.0	13686.07	13750.45	13557.32	13106.70	12240.57	11386.14	10438.07	9431.49	8190.81
180.0	13744.59	13697.78	13387.61	12837.50	11918.69	11040.85	10086.94	8822.85	7857.23
225.0	13633.40	13253.01	11466.37	11466.37	10781.07	9796.14	8545.51	7600.38	6771.70
270.0	13773.86	13598.29	13182.78	12539.03	11561.71	10642.90	9653.87	8647.28	7482.69
315.0	13627.55	13241.30	11627.31	11627.31	10714.94	9725.91	8711.13	7506.74	6669.87
360.0	13744.59	13487.10	11576.98	11576.98	11116.99	10146.69	9156.49	8164.53	7029.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6280.69	5669.72	5048.79	4633.28	4259.91	3847.91	3549.45	3284.93	2989.39
45.0	7277.86	6476.10	5849.91	5200.31	4761.39	4380.99	4029.86	3637.76	3356.85
90.0	6566.87	5755.16	5226.70	4788.95	4400.95	3966.71	3653.62	3300.14	3046.15
135.0	7277.86	6493.66	5849.91	5182.75	4743.83	4263.95	3918.67	3602.65	3251.51
180.0	6803.83	6101.56	5516.33	5018.89	4492.19	4123.50	3784.06	3485.60	3146.17
225.0	6067.67	5360.72	4895.47	4487.56	4032.26	3706.87	3343.45	3085.36	2849.52
270.0	6675.08	5978.66	5428.55	4837.47	4439.52	4082.53	3678.72	3391.96	3134.47
315.0	5975.21	5283.47	4837.53	4447.18	4008.85	3692.24	3408.41	3151.50	2857.13
360.0	6280.69	5669.72	5048.79	4633.28	4259.91	3847.91	3549.45	3284.93	2989.39
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2776.37	2579.73	2401.24	2194.07	2036.06	1873.95	1710.67	1507.01	1290.48
45.0	3099.35	2982.31	2982.31	2436.94	2226.84	2065.32	1905.55	1700.72	1532.76
90.0	2817.92	2564.51	2380.75	2208.11	2043.08	1841.76	1680.82	1516.96	1378.26
135.0	3005.72	3005.72	2760.56	2363.20	2196.99	2036.64	1876.29	1670.29	1502.92
180.0	2958.90	2958.90	2487.85	2274.83	2093.41	1904.97	1737.01	1575.48	1396.99
225.0	2584.41	2399.48	2226.84	2061.22	1897.94	1690.19	1523.40	1384.12	1145.40
270.0	2953.05	2953.05	2449.23	2228.60	2057.71	1890.92	1680.24	1500.58	1371.24
315.0	2646.45	2458.00	2242.64	2081.12	1919.60	1717.69	1555.59	1406.94	1160.03
360.0	2776.37	2579.73	2401.24	2194.07	2036.06	1873.95	1710.67	1507.01	1290.48
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1162.73	1136.74	1027.54	911.02	762.55	642.05	525.30	383.73	281.84
45.0	1377.68	1266.49	1155.88	1051.12	937.59	821.71	676.58	560.70	445.41
90.0	1155.94	1155.94	1051.36	907.63	792.04	674.59	527.64	415.51	313.86
135.0	1365.97	1241.32	1157.63	1055.80	913.01	794.79	645.56	532.03	419.66
180.0	1285.80	1200.94	1113.74	965.09	847.46	721.64	599.91	456.53	348.85
225.0	1145.40	1071.55	928.64	810.36	691.56	543.56	429.96	325.97	215.13
270.0	1268.24	1162.90	1066.92	952.80	831.66	715.79	573.58	454.19	323.69
315.0	1160.03	1081.91	967.03	817.79	696.18	578.14	463.56	329.60	236.55
360.0	1162.73	1136.74	1027.54	911.02	762.55	642.05	525.30	383.73	281.84
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	196.75	139.58	113.07	105.63	99.66	94.40	87.96	82.75	76.43
45.0	314.91	314.91	207.29	120.61	112.66	104.76	99.37	94.16	88.78
90.0	206.06	147.24	122.08	112.30	106.22	100.48	94.34	87.43	82.17
135.0	315.49	315.49	143.32	120.21	112.19	104.46	98.55	92.11	86.50
180.0	299.69	299.69	119.21	106.92	99.08	94.16	88.78	82.69	77.48
225.0	150.46	118.27	108.68	102.36	96.09	90.94	85.56	78.65	73.80
270.0	298.52	298.52	119.33	111.08	104.81	97.91	92.64	86.73	81.05
315.0	164.62	121.20	112.30	104.23	99.02	93.40	87.90	81.17	76.72
360.0	196.75	139.58	113.07	105.63	99.66	94.40	87.96	82.75	76.43

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	72.04	67.89	63.44	60.34	57.47	54.60	52.44	50.80	49.69
45.0	81.99	77.07	72.57	68.76	64.73	61.51	58.76	56.12	53.43
90.0	77.43	72.80	67.77	64.20	61.04	58.05	55.83	53.61	52.09
135.0	79.77	75.08	70.75	65.84	62.33	59.28	56.53	54.43	52.96
180.0	72.68	68.71	64.20	61.57	58.76	56.24	53.55	51.50	50.39
225.0	69.52	65.02	62.38	59.40	56.36	54.07	52.32	51.27	50.39
270.0	75.08	70.40	66.54	62.97	59.40	57.47	54.95	52.79	51.21
315.0	72.10	68.06	63.56	60.16	57.70	55.01	53.26	51.50	49.69
360.0	72.04	67.89	63.44	60.34	57.47	54.60	52.44	50.80	49.69
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	48.63	47.99	47.23	46.41	44.71	42.96	41.02	36.99	34.82
45.0	52.26	51.50	50.50	49.45	48.11	46.99	45.12	43.07	38.80
90.0	50.97	50.10	49.39	48.52	47.05	45.00	42.60	38.86	36.81
135.0	50.97	49.86	49.16	48.40	47.70	46.00	43.95	42.02	38.16
180.0	49.10	48.46	47.70	46.58	45.59	43.42	41.49	38.39	36.34
225.0	49.69	48.92	47.81	46.53	44.65	42.72	38.68	36.52	31.54
270.0	49.86	49.28	48.46	47.64	45.53	44.01	41.08	38.10	35.00
315.0	48.69	48.11	47.34	46.12	44.13	41.61	38.51	36.46	32.66
360.0	48.63	47.99	47.23	46.41	44.71	42.96	41.02	36.99	34.82
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.55	28.68	26.22	24.40	23.06	22.41	22.47	22.94	23.53
45.0	36.58	32.77	30.43	27.39	25.46	24.64	24.23	25.11	26.28
90.0	32.25	29.90	27.62	24.87	23.76	22.47	21.48	20.83	20.37
135.0	35.76	31.84	29.20	26.51	24.29	23.00	21.89	21.24	20.42
180.0	32.30	29.61	27.68	25.16	23.70	22.53	22.30	22.88	23.12
225.0	29.44	26.63	24.40	23.35	22.88	23.47	25.16	26.10	25.81
270.0	30.96	29.09	25.52	24.23	22.88	21.71	21.07	20.37	19.90
315.0	29.50	27.04	24.87	23.70	22.18	21.42	20.78	20.01	19.49
360.0	30.55	28.68	26.22	24.40	23.06	22.41	22.47	22.94	23.53
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.58	23.64	23.82	23.99	23.99	23.99	23.99	22.94	20.78
45.0	26.04	25.11	24.64	23.99	22.88	22.53	21.42	20.89	19.96
90.0	19.84	19.55	19.20	18.84	18.38	17.97	17.50	17.03	16.39
135.0	19.90	19.43	19.02	18.49	18.08	17.73	17.26	16.80	16.39
180.0	22.88	22.30	22.00	21.65	21.13	20.72	20.31	19.78	19.02
225.0	24.93	24.76	24.23	23.29	22.94	22.36	21.48	20.66	19.08
270.0	19.43	19.08	18.67	18.38	18.08	17.73	17.21	16.85	16.44
315.0	18.90	18.49	18.14	17.85	17.44	17.09	16.62	16.21	15.74
360.0	23.58	23.64	23.82	23.99	23.99	23.99	23.99	22.94	20.78
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.32	15.27	14.63	14.16	13.87	13.46	12.99	12.76	12.47
45.0	19.20	17.26	15.22	14.69	14.16	13.81	13.34	12.99	12.76
90.0	15.98	15.39	14.81	14.28	13.81	13.40	13.11	12.87	12.64
135.0	15.92	15.51	14.92	14.46	14.05	13.58	13.23	12.93	12.70
180.0	17.91	16.33	14.57	14.10	13.75	13.23	12.99	12.70	12.41
225.0	16.21	14.51	14.10	13.69	13.17	12.93	12.70	12.41	12.47
270.0	16.04	15.51	14.86	14.16	13.75	13.17	12.87	12.82	12.41
315.0	15.33	14.75	14.34	13.99	13.69	13.05	12.82	12.47	12.52
360.0	18.32	15.27	14.63	14.16	13.87	13.46	12.99	12.76	12.47

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	12.52
45.0	12.41
90.0	12.41
135.0	12.47
180.0	12.52
225.0	12.47
270.0	12.52
315.0	12.52
360.0	12.52