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Nata

Client:

LumCAT: 2-2456-L

Luminaire: 92.70.412.00

Report No: 2024822-B007

Ballast type: AC

Test No: 2024822-C007

Voltage(V): 34.870

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.080

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2962.67, Efficiency(%): 89.48% , Luminous Efficacy(lm/W): 147.54

Central intensity(cd): 6352.073, Maximum intensity(cd): 6352.073

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.8

[C90/270]Total=37.8

Field angle(10%Imax): [C0/180]Total=66.4

[C90/270]Total=66.4

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.48%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.195%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/22
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6352.073	0.000	0	0.00%	0.00%
1.0	6338.716	6.072	6.072	0.18%	0.20%
2.0	6301.804	18.143	24.215	0.55%	0.82%
3.0	6250.200	30.020	54.235	0.91%	1.83%
4.0	6174.070	41.588	95.823	1.26%	3.23%
5.0	6070.299	52.675	148.498	1.59%	5.01%
6.0	5943.137	63.134	211.632	1.91%	7.14%
7.0	5796.803	72.870	284.501	2.20%	9.60%
8.0	5626.034	81.751	366.253	2.47%	12.36%
9.0	5447.742	89.747	455.999	2.71%	15.39%
10.0	5247.932	96.792	552.791	2.92%	18.66%
11.0	5031.414	102.712	655.503	3.10%	22.13%
12.0	4808.470	107.564	763.067	3.25%	25.76%
13.0	4579.823	111.415	874.483	3.37%	29.52%
14.0	4345.388	114.242	988.725	3.45%	33.37%
15.0	4120.578	116.225	1104.949	3.51%	37.30%
16.0	3870.341	117.089	1222.038	3.54%	41.25%
17.0	3629.579	116.794	1338.832	3.53%	45.19%
18.0	3402.877	115.950	1454.782	3.50%	49.10%
19.0	3162.114	114.217	1569	3.45%	52.96%
20.0	2944.558	111.769	1680.769	3.38%	56.73%
21.0	2725.451	108.876	1789.644	3.29%	60.41%
22.0	2518.815	105.386	1895.03	3.18%	63.96%
23.0	2280.339	100.699	1995.729	3.04%	67.36%
24.0	2099.064	95.749	2091.479	2.89%	70.59%
25.0	1916.731	91.310	2182.789	2.76%	73.68%
26.0	1718.794	85.817	2268.606	2.59%	76.57%
27.0	1529.648	79.474	2348.08	2.40%	79.26%
28.0	1371.625	73.454	2421.534	2.22%	81.73%
29.0	1211.664	67.586	2489.12	2.04%	84.02%
30.0	1047.104	60.986	2550.106	1.84%	86.07%
31.0	920.396	54.753	2604.859	1.65%	87.92%
32.0	787.800	48.938	2653.797	1.48%	89.57%
33.0	661.473	42.696	2696.493	1.29%	91.02%
34.0	553.917	36.781	2733.274	1.11%	92.26%
35.0	455.861	31.360	2764.634	0.95%	93.32%
36.0	383.811	26.735	2791.37	0.81%	94.22%
37.0	312.556	22.712	2814.081	0.69%	94.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	247.451	18.692	2832.774	0.56%	95.62%
39.0	198.949	15.237	2848.01	0.46%	96.13%
40.0	171.334	12.914	2860.925	0.39%	96.57%
41.0	122.576	10.466	2871.391	0.32%	96.92%
42.0	101.347	8.136	2879.526	0.25%	97.19%
43.0	83.837	6.860	2886.386	0.21%	97.43%
44.0	70.729	5.834	2892.22	0.18%	97.62%
45.0	61.005	5.063	2897.282	0.15%	97.79%
46.0	53.627	4.483	2901.765	0.14%	97.94%
47.0	47.963	4.041	2905.806	0.12%	98.08%
48.0	43.338	3.691	2909.497	0.11%	98.21%
49.0	39.409	3.398	2912.895	0.10%	98.32%
50.0	36.038	3.146	2916.04	0.10%	98.43%
51.0	33.160	2.928	2918.968	0.09%	98.52%
52.0	30.657	2.738	2921.706	0.08%	98.62%
53.0	28.430	2.570	2924.277	0.08%	98.70%
54.0	26.577	2.424	2926.701	0.07%	98.79%
55.0	24.724	2.290	2928.991	0.07%	98.86%
56.0	23.246	2.168	2931.159	0.07%	98.94%
57.0	21.859	2.062	2933.221	0.06%	99.01%
58.0	20.519	1.960	2935.181	0.06%	99.07%
59.0	19.297	1.861	2937.042	0.06%	99.13%
60.0	18.377	1.780	2938.822	0.05%	99.20%
61.0	17.365	1.706	2940.528	0.05%	99.25%
62.0	16.472	1.630	2942.158	0.05%	99.31%
63.0	15.499	1.555	2943.713	0.05%	99.36%
64.0	14.672	1.480	2945.194	0.04%	99.41%
65.0	13.877	1.413	2946.607	0.04%	99.46%
66.0	13.081	1.345	2947.952	0.04%	99.50%
67.0	12.306	1.277	2949.228	0.04%	99.55%
68.0	11.564	1.209	2950.437	0.04%	99.59%
69.0	10.828	1.142	2951.58	0.03%	99.63%
70.0	10.079	1.074	2952.653	0.03%	99.66%
71.0	9.330	1.003	2953.657	0.03%	99.70%
72.0	8.607	0.933	2954.589	0.03%	99.73%
73.0	7.950	0.866	2955.455	0.03%	99.76%
74.0	7.319	0.803	2956.258	0.02%	99.78%
75.0	6.728	0.742	2957	0.02%	99.81%

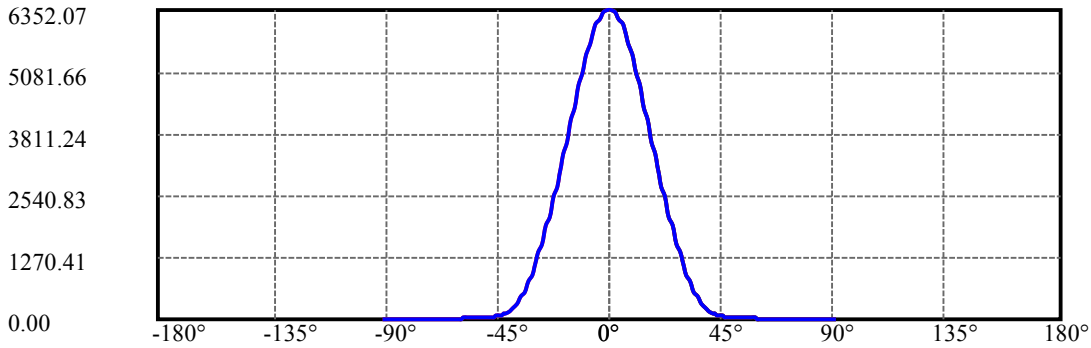
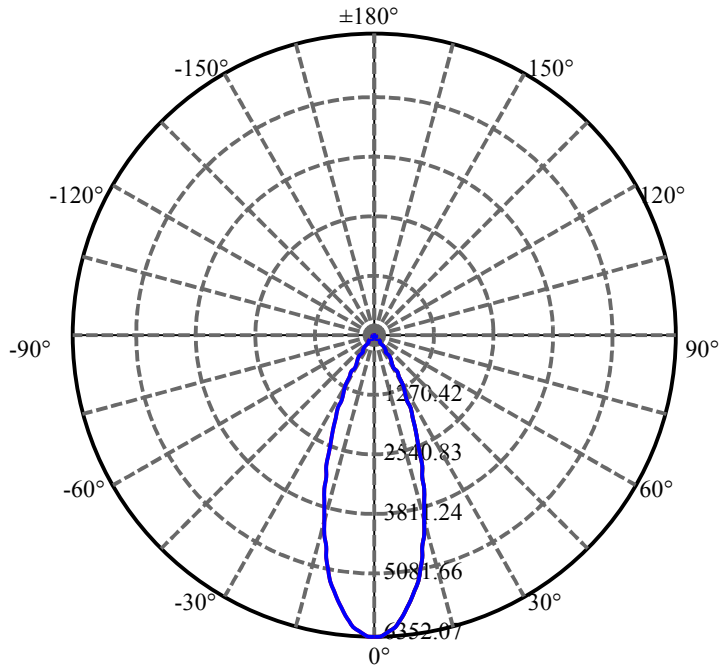
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.124	0.682	2957.682	0.02%	99.83%
77.0	5.664	0.628	2958.311	0.02%	99.85%
78.0	5.191	0.581	2958.892	0.02%	99.87%
79.0	4.750	0.534	2959.426	0.02%	99.89%
80.0	4.297	0.488	2959.914	0.01%	99.91%
81.0	3.870	0.442	2960.355	0.01%	99.92%
82.0	3.489	0.399	2960.754	0.01%	99.94%
83.0	3.075	0.357	2961.111	0.01%	99.95%
84.0	2.727	0.316	2961.427	0.01%	99.96%
85.0	2.418	0.281	2961.708	0.01%	99.97%
86.0	2.129	0.249	2961.956	0.01%	99.98%
87.0	1.840	0.217	2962.174	0.01%	99.98%
88.0	1.597	0.188	2962.362	0.01%	99.99%
89.0	1.413	0.165	2962.527	0.00%	100.00%
90.0	1.202	0.143	2962.67	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2550.11	77.02%	86.07%
0-40	2860.92	86.41%	96.57%
0-60	2938.82	88.76%	99.20%
0-90	2962.53	89.48%	100.00%
0-120	2962.53	89.48%	100.00%
0-180	2962.67	89.48%	100.00%
60-90	23.70	0.72%	0.80%
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%
0-27.30	2370.14	71.58%	80.00%

ZONAL LUMEN SUMMARY

0-10	552.79
10-20	1127.98
20-30	869.34
30-40	310.82
40-50	55.12
50-60	22.78
60-70	13.83
70-80	7.26
80-90	2.61
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: —————

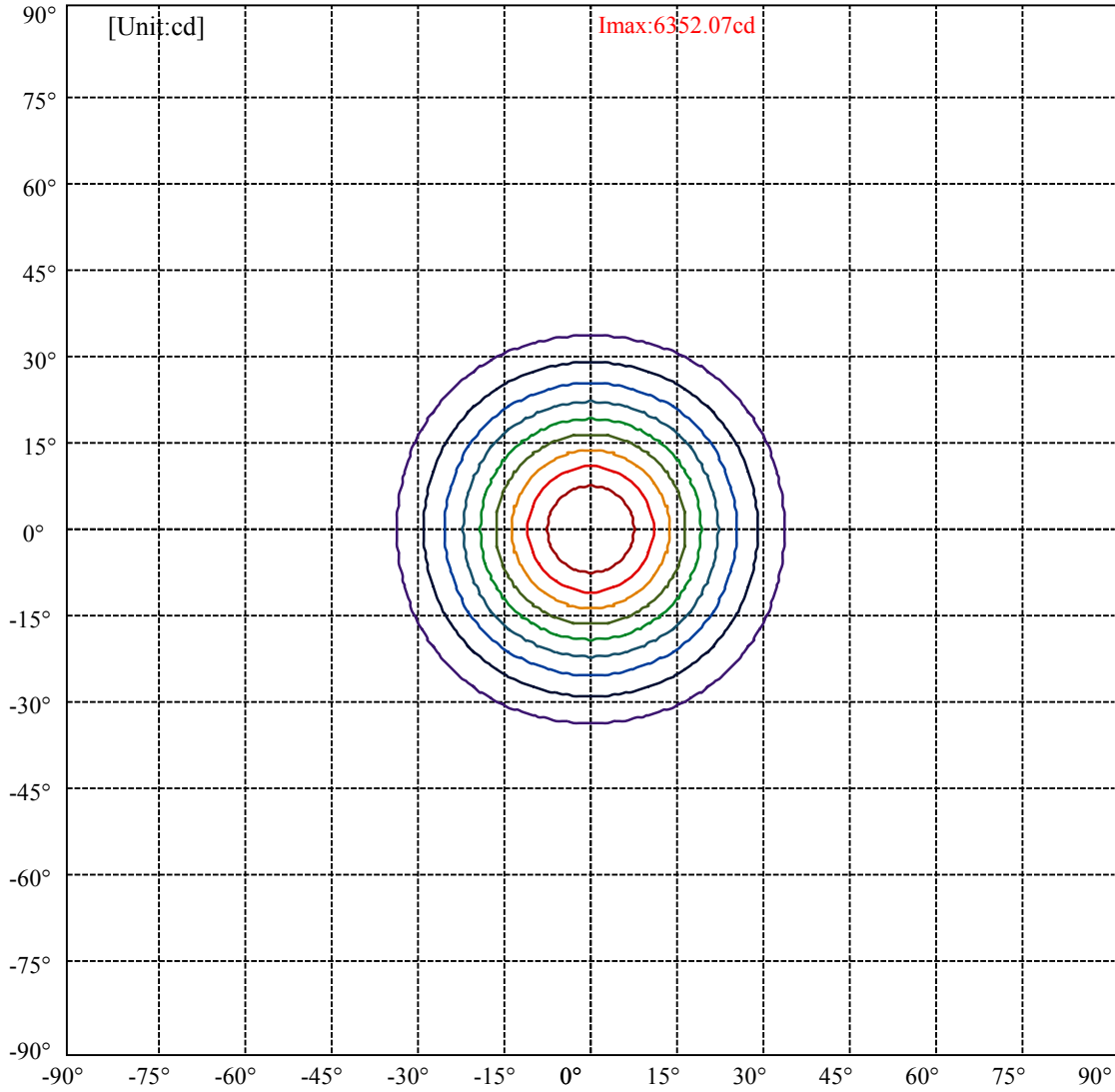
C90/C270: —————

Field angle(10%Imax):C0/180Left:33.2 Right:33.2

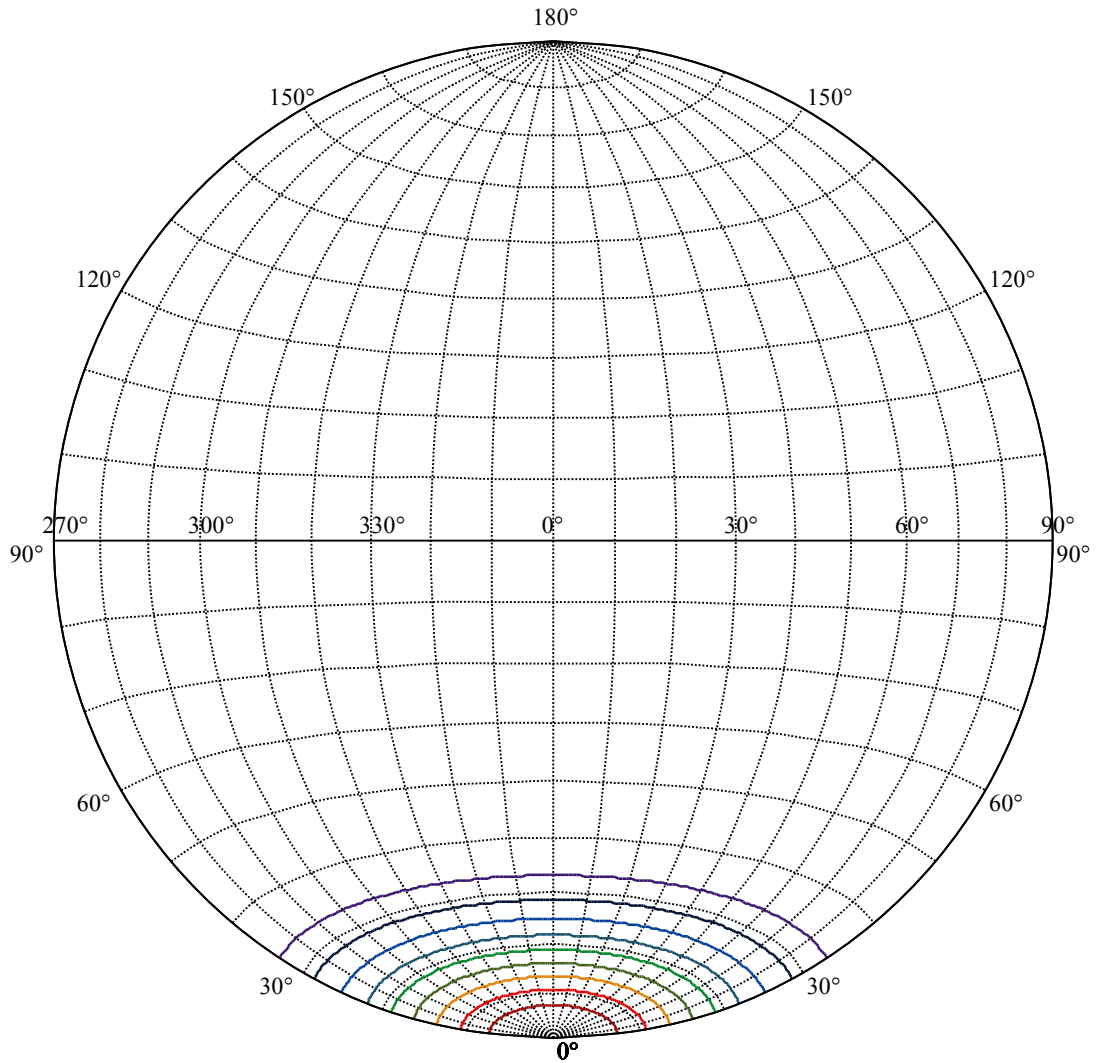
:C90/270Left:33.2 Right:33.2

Beam Angle(50%Imax):C0/180Left:18.9 Right:18.9

:C90/270Left:18.9 Right:18.9



(10%I _{max}) 635.207	—
(20%I _{max}) 1270.41	—
(30%I _{max}) 1905.62	—
(40%I _{max}) 2540.83	—
(50%I _{max}) 3176.04	—
(60%I _{max}) 3811.24	—
(70%I _{max}) 4446.45	—
(80%I _{max}) 5081.66	—
(90%I _{max}) 5716.87	—



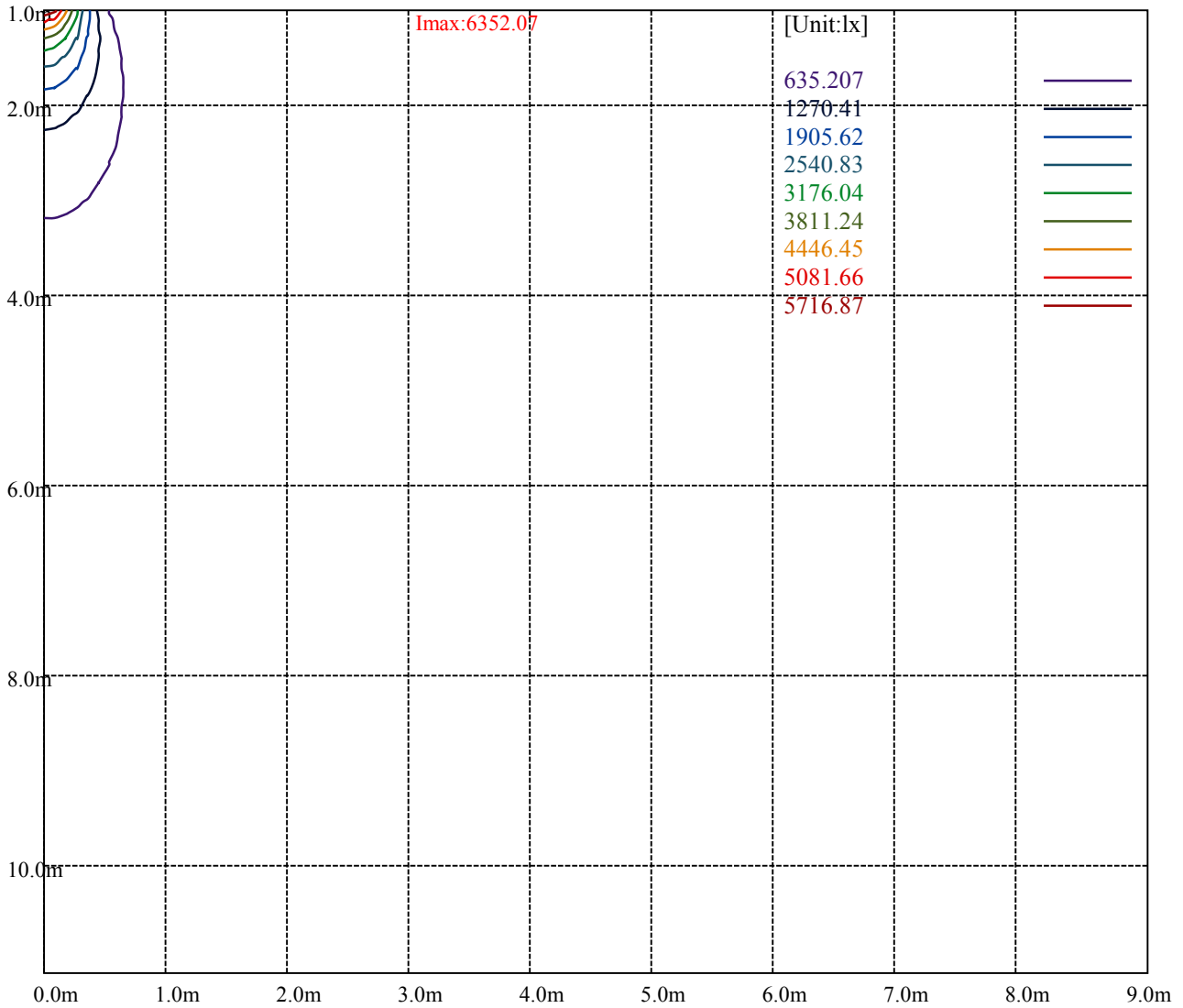
House

[Unit:cd]

Road

Imax:6352.07

- (10%Imax) 635.207 —
- (20%Imax) 1270.41 —
- (30%Imax) 1905.62 —
- (40%Imax) 2540.83 —
- (50%Imax) 3176.04 —
- (60%Imax) 3811.24 —
- (70%Imax) 4446.45 —
- (80%Imax) 5081.66 —
- (90%Imax) 5716.87 —



Luminance Table

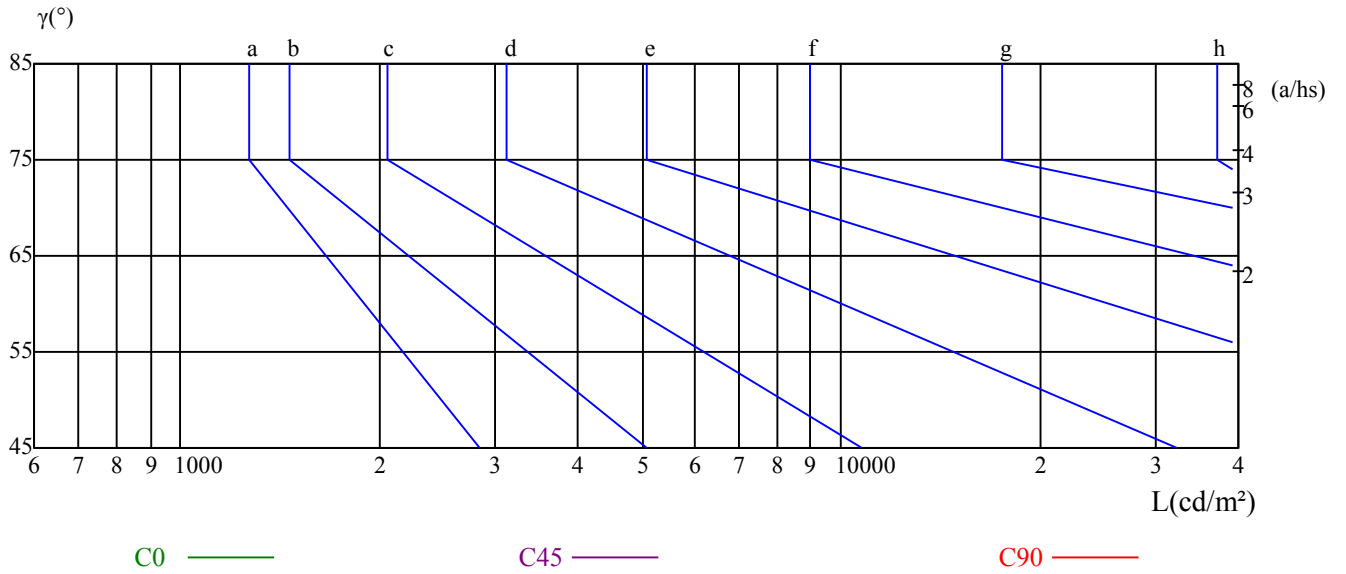
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

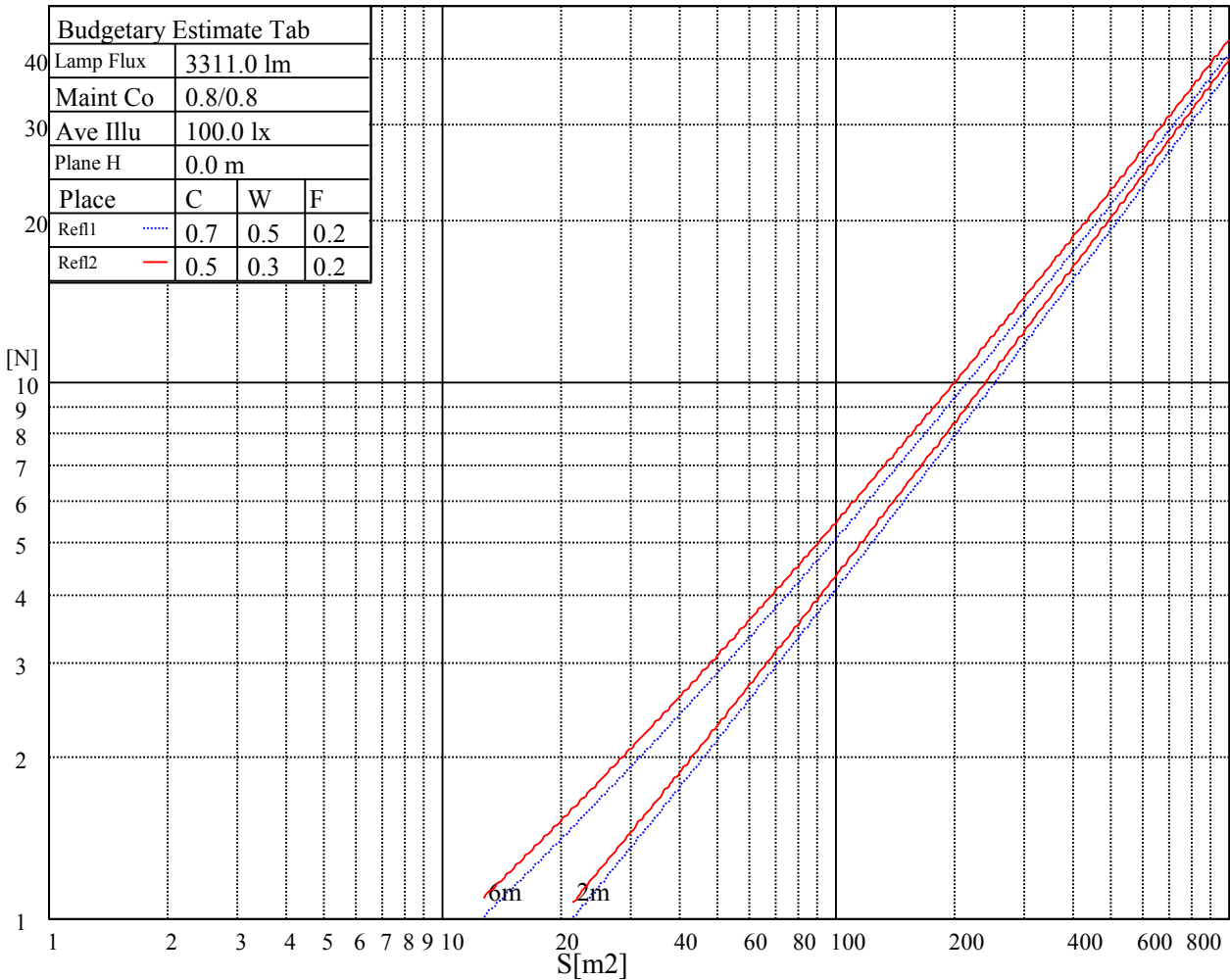
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

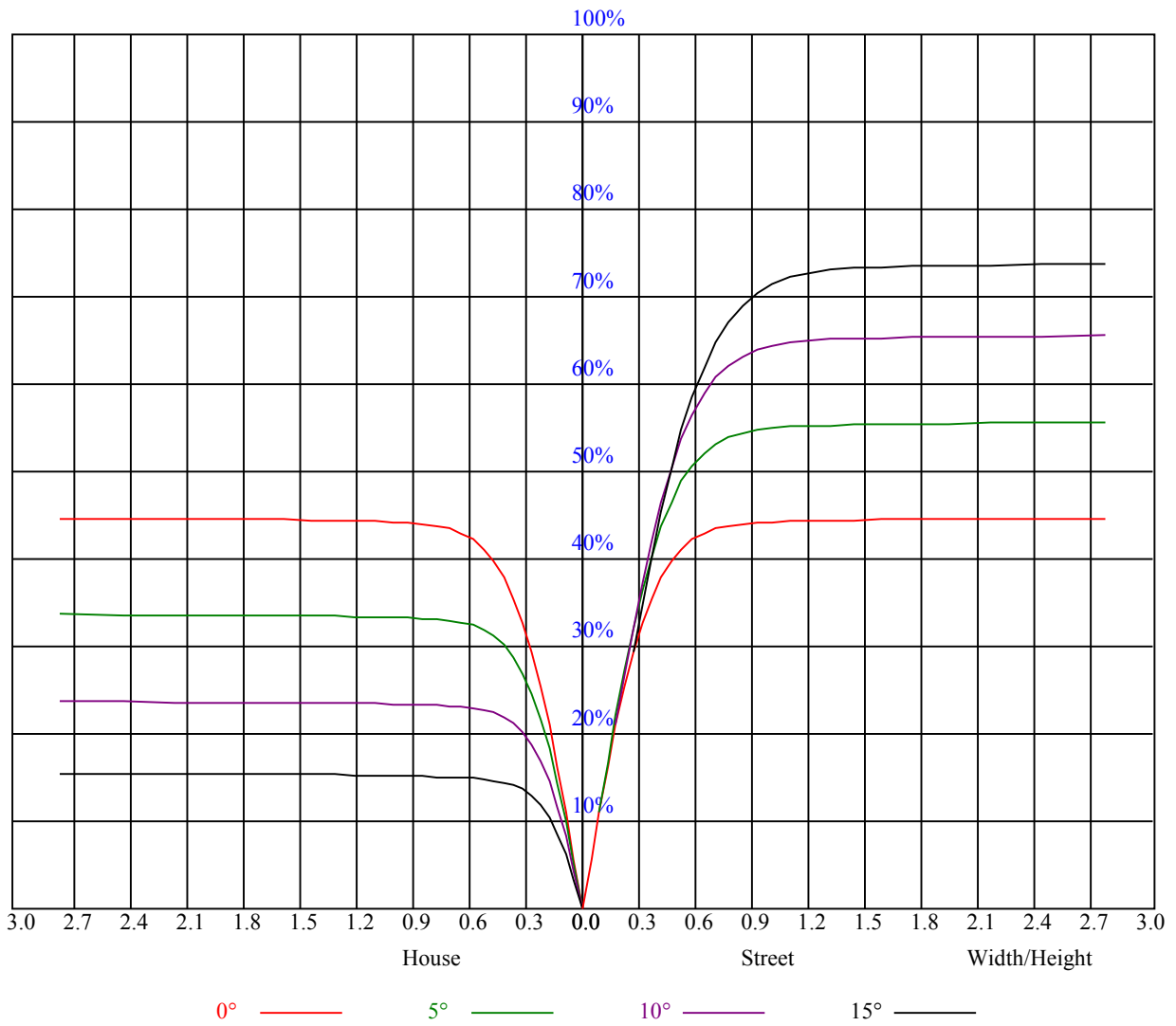


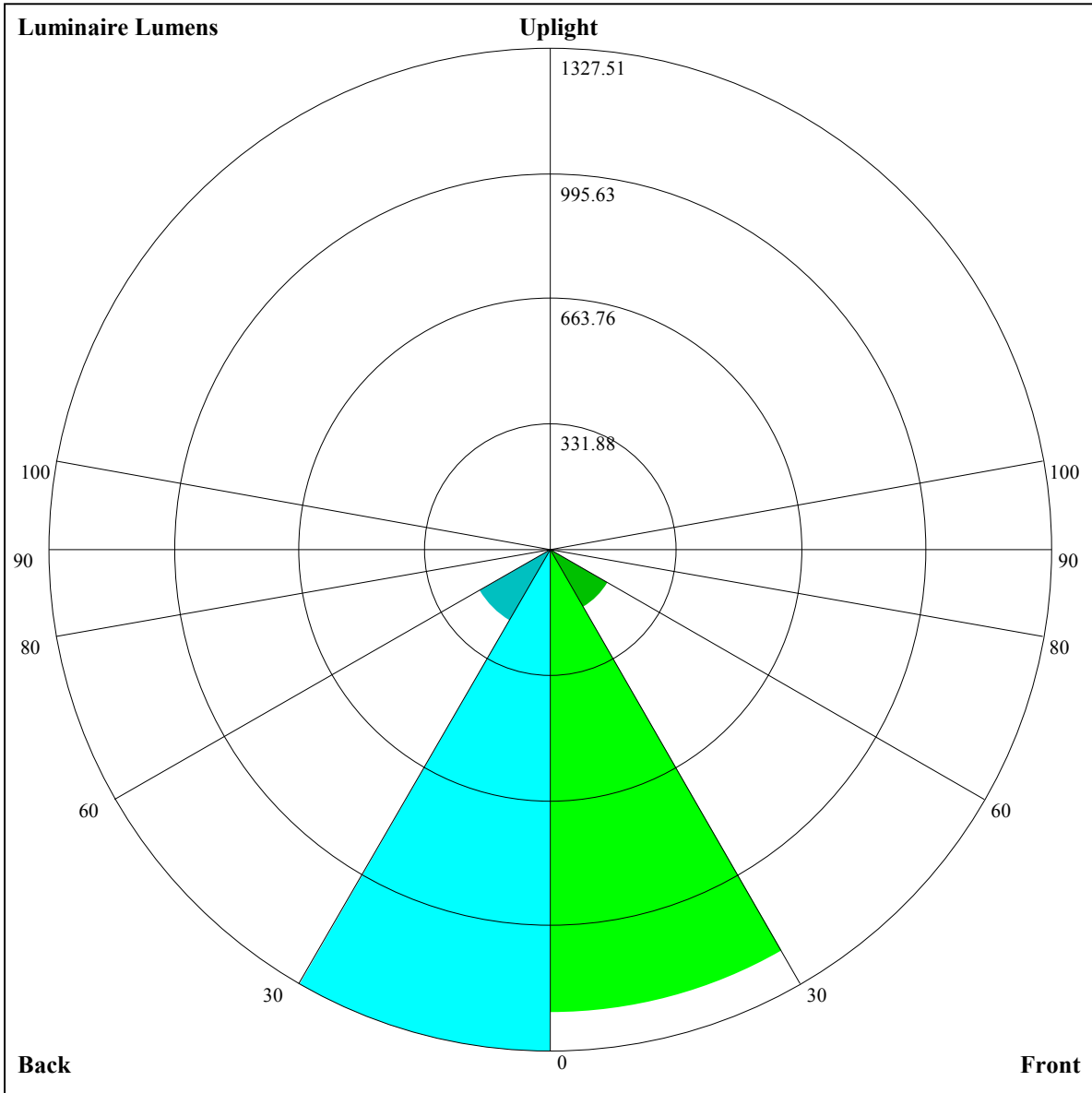
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.07	1.07	1.07	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.98	0.96	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.91	0.88	0.92	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.80
3	0.89	0.85	0.82	0.88	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.81	0.79	0.77	0.76
4	0.84	0.80	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.78	0.75	0.73	0.72
5	0.80	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.72	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
8	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.59
9	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54





Luminaire Lumens:

FL=1225.23,FM=176.51,FH=9.97,FVH=1.28

BL=1327.51,BM=220.04,BH=11.23,BVH=1.46

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	6336.88	6287.32	6224.92	6115.70	6010.42	5855.52	5684.48	5497.83	5303.92
45.0	6353.60	6340.25	6288.42	6220.46	6108.45	5990.34	5834.91	5657.72	5465.50
90.0	6345.82	6285.63	6167.53	6097.30	5979.77	5823.77	5635.44	5452.68	5248.79
135.0	6371.99	6357.54	6317.96	6251.68	6168.63	6077.80	5955.80	5815.94	5643.79
180.0	6336.88	6341.35	6360.85	6321.32	6282.85	6213.78	6127.42	6007.05	5866.66
225.0	6353.60	6357.54	6327.42	6322.43	6272.28	6184.24	6092.89	5960.27	5813.15
270.0	6345.82	6361.43	6390.97	6382.61	6358.64	6314.07	6230.50	6144.14	6005.37
315.0	6371.99	6378.67	6336.36	6290.10	6211.52	6102.87	5983.66	5838.80	5661.09
360.0	6336.88	6287.32	6224.92	6115.70	6010.42	5855.52	5684.48	5497.83	5303.92
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5091.62	4857.09	4624.76	4387.97	4142.82	3900.98	3647.47	3394.54	3150.49
45.0	5265.50	5040.38	4807.47	4577.93	4333.36	4091.52	3854.20	3605.16	3354.96
90.0	5043.74	4809.73	4572.94	4333.36	4090.41	3860.30	3614.04	3375.56	3129.89
135.0	5459.93	5259.35	5053.78	4820.30	4587.97	4353.38	4117.17	3879.80	3644.16
180.0	5718.43	5551.86	5350.18	5146.81	4928.94	4700.51	4467.60	4242.53	4009.63
225.0	5653.25	5457.72	5243.21	5032.02	4823.08	4577.41	4355.64	4125.53	3882.06
270.0	5878.38	5723.48	5527.37	5330.10	5131.20	4915.59	4682.11	4456.46	4225.24
315.0	5471.07	5283.85	5071.60	4839.27	4600.80	4363.42	4226.39	3883.16	3640.22
360.0	5091.62	4857.09	4624.76	4387.97	4142.82	3900.98	3647.47	3394.54	3150.49
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2902.55	2661.29	2430.65	2301.40	2092.46	1823.34	1718.58	1540.87	1372.56
45.0	3111.49	2864.66	2674.70	2398.32	2221.13	2020.56	1789.91	1642.26	1465.07
90.0	2885.26	2645.68	2421.71	2247.31	2044.52	1819.98	1674.59	1496.82	1258.92
135.0	3411.25	3168.31	2927.63	2706.44	2484.10	2271.86	2068.49	1876.27	1765.94
180.0	3780.08	3555.01	3416.83	3096.46	2870.81	2743.18	2446.26	2322.00	2124.21
225.0	3654.15	3417.93	3177.25	3036.85	2806.73	2499.19	2371.57	2164.89	1883.52
270.0	3988.44	3845.26	3510.44	3259.72	3112.07	2771.04	2633.43	2403.32	2186.02
315.0	3489.78	3138.77	2997.27	2757.11	2518.69	2293.56	2089.67	1887.41	1694.09
360.0	2902.55	2661.29	2430.65	2301.40	2092.46	1823.34	1718.58	1540.87	1372.56
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1070.65	1070.65	927.41	790.80	666.07	554.59	456.98	371.51	295.35
45.0	1293.46	1131.36	978.14	834.38	702.34	583.65	483.89	397.53	322.31
90.0	1084.10	1023.23	876.53	740.55	619.24	512.59	420.24	338.34	267.49
135.0	1591.54	1349.75	1248.89	1086.78	932.41	789.23	658.87	544.07	447.15
180.0	1938.08	1758.16	1585.97	1415.51	1248.89	1087.31	931.88	788.70	656.61
225.0	1770.94	1593.22	1421.08	1059.61	1059.61	908.02	768.83	642.58	531.35
270.0	1975.98	1780.45	1599.90	1424.39	1257.24	1099.03	949.12	812.62	683.94
315.0	1512.43	1266.18	1055.40	1024.81	877.37	767.99	621.97	535.98	442.68
360.0	1070.65	1070.65	927.41	790.80	666.07	554.59	456.98	371.51	295.35
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	243.57	179.97	147.02	115.80	89.51	77.21	66.02	57.77	51.51
45.0	308.96	308.96	158.53	137.29	110.07	90.62	76.48	66.33	58.66
90.0	208.88	162.26	126.26	109.80	88.57	73.85	63.44	55.82	50.20
135.0	362.47	288.88	288.88	175.35	136.66	112.75	86.94	74.74	63.55
180.0	543.55	445.47	359.69	314.53	314.53	175.77	144.97	115.16	93.51
225.0	472.54	354.74	285.26	249.15	179.76	156.11	124.47	101.24	84.21
270.0	569.15	469.96	383.60	308.38	308.38	179.76	154.80	121.58	97.35
315.0	361.37	290.20	230.38	181.29	143.18	114.53	93.67	78.06	66.86
360.0	243.57	179.97	147.02	115.80	89.51	77.21	66.02	57.77	51.51

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	46.47	42.00	38.42	35.16	32.17	29.59	27.28	25.28	23.44
45.0	52.77	47.73	43.57	39.84	36.53	33.64	31.06	28.86	26.75
90.0	45.41	41.52	38.21	35.43	32.85	30.59	28.75	27.02	25.44
135.0	55.56	49.36	44.63	40.68	37.27	34.38	31.80	29.80	27.86
180.0	77.74	66.39	58.03	51.56	46.15	41.68	38.06	34.90	32.17
225.0	71.80	62.60	55.66	50.09	45.36	41.31	37.79	34.74	32.01
270.0	79.84	67.44	58.55	51.93	46.73	42.26	38.63	35.37	32.64
315.0	58.45	51.98	46.62	42.00	38.21	34.85	31.91	29.28	27.12
360.0	46.47	42.00	38.42	35.16	32.17	29.59	27.28	25.28	23.44
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.76	20.39	19.03	18.29	16.82	15.82	15.35	14.09	13.67
45.0	24.97	23.34	21.81	20.39	19.40	18.19	16.98	16.14	15.19
90.0	24.07	22.65	21.45	20.39	19.24	18.19	17.40	16.56	15.66
135.0	26.12	24.60	23.23	21.92	20.60	19.45	18.40	17.35	16.82
180.0	29.91	27.91	26.23	24.55	23.13	21.92	20.76	20.08	18.61
225.0	29.70	27.49	25.65	24.02	22.39	20.92	20.08	18.82	17.87
270.0	30.22	28.12	26.23	24.49	23.13	21.71	20.87	19.76	18.76
315.0	25.86	23.29	22.34	20.81	19.45	18.19	17.19	16.14	15.19
360.0	21.76	20.39	19.03	18.29	16.82	15.82	15.35	14.09	13.67
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.93	12.30	11.56	10.88	10.30	9.67	8.99	8.30	7.73
45.0	14.24	13.40	12.56	11.77	11.04	10.25	9.51	8.73	7.94
90.0	14.82	13.88	12.98	12.14	11.30	10.41	9.46	8.62	7.78
135.0	15.45	14.72	14.19	13.40	12.62	11.98	11.20	10.57	9.72
180.0	17.98	16.98	16.08	15.30	14.40	13.56	12.88	12.04	11.25
225.0	16.61	15.77	14.88	14.03	13.14	12.30	11.62	10.88	10.14
270.0	17.66	16.77	15.87	14.98	14.14	13.35	12.62	11.77	10.88
315.0	14.30	13.56	12.88	12.14	11.51	10.99	10.35	9.72	9.20
360.0	12.93	12.30	11.56	10.88	10.30	9.67	8.99	8.30	7.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.04	6.57	5.99	5.57	5.10	4.68	4.21	3.84	3.42
45.0	7.31	6.73	6.15	5.68	5.15	4.78	4.31	4.10	3.68
90.0	6.94	6.25	5.83	5.41	4.84	4.36	3.94	3.47	3.10
135.0	9.04	8.36	7.62	6.99	6.52	6.04	5.62	5.05	4.57
180.0	10.46	9.62	8.78	7.94	7.25	6.68	6.10	5.57	5.10
225.0	9.36	8.67	7.94	7.31	6.68	6.15	5.68	5.26	4.68
270.0	10.14	9.41	8.62	7.78	7.04	6.52	5.99	5.52	5.05
315.0	8.57	7.99	7.62	7.15	6.41	6.10	5.68	5.20	4.78
360.0	7.04	6.57	5.99	5.57	5.10	4.68	4.21	3.84	3.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.05	2.73	2.37	2.16	1.94	1.68	1.42	1.16	1.10
45.0	3.05	2.79	2.47	2.16	1.84	1.68	1.37	1.16	1.16
90.0	2.79	2.42	2.21	1.89	1.58	1.42	1.21	1.10	1.16
135.0	4.10	3.78	3.26	2.94	2.63	2.31	2.00	1.79	1.47
180.0	4.68	4.21	3.73	3.31	2.89	2.63	2.26	2.00	1.68
225.0	4.36	3.89	3.42	3.05	2.73	2.31	2.05	1.79	1.52
270.0	4.68	4.26	3.68	3.21	2.94	2.52	2.21	1.94	1.68
315.0	4.26	3.84	3.47	3.10	2.79	2.47	2.21	1.84	1.52
360.0	3.05	2.73	2.37	2.16	1.94	1.68	1.42	1.16	1.10

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.05
45.0	1.10
90.0	1.10
135.0	1.00
180.0	1.37
225.0	1.31
270.0	1.37
315.0	1.31
360.0	1.05