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NT

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.412.00

Report No: 2024807-B002

Ballast type: AC

Test No: 2024807-C002

Voltage(V): 34.990

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.450

Lamp flux(lm): 2561.0

Power (W): 15.745

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2419.11, Efficiency(%): 94.46% , Luminous Efficacy(lm/W): 153.64

Central intensity(cd): 3624.650, Maximum intensity(cd): 3628.820

Angle of maximum intensity: C=0.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=49.4

[C90/270]Total=49.4

Field angle(10%Imax): [C0/180]Total=72.4

[C90/270]Total=72.4

Maximum s/h(1/2): C0_180=0.78 C90_270=0.78

Maximum s/h(1/4): C0_180=0.75 C90_270=0.75

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.46%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.165%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/7
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	3624.650	0.000	0	0.00%	0.00%
1.0	3628.819	3.471	3.471	0.14%	0.14%
2.0	3628.161	10.416	13.887	0.41%	0.57%
3.0	3626.332	17.350	31.237	0.68%	1.29%
4.0	3618.432	24.251	55.487	0.95%	2.29%
5.0	3609.434	31.094	86.581	1.21%	3.58%
6.0	3592.096	37.846	124.427	1.48%	5.14%
7.0	3562.835	44.411	168.838	1.73%	6.98%
8.0	3525.600	50.731	219.568	1.98%	9.08%
9.0	3481.416	56.788	276.356	2.22%	11.42%
10.0	3431.160	62.556	338.913	2.44%	14.01%
11.0	3377.319	68.031	406.943	2.66%	16.82%
12.0	3314.919	73.156	480.099	2.86%	19.85%
13.0	3239.937	77.790	557.889	3.04%	23.06%
14.0	3155.957	81.867	639.756	3.20%	26.45%
15.0	3062.687	85.372	725.128	3.33%	29.98%
16.0	2963.199	88.296	813.424	3.45%	33.62%
17.0	2837.815	90.337	903.762	3.53%	37.36%
18.0	2707.309	91.427	995.189	3.57%	41.14%
19.0	2572.342	91.855	1087.044	3.59%	44.94%
20.0	2435.326	91.654	1178.698	3.58%	48.72%
21.0	2294.214	90.817	1269.515	3.55%	52.48%
22.0	2160.417	89.518	1359.032	3.50%	56.18%
23.0	2029.180	87.909	1446.941	3.43%	59.81%
24.0	1894.505	85.786	1532.727	3.35%	63.36%
25.0	1779.874	83.547	1616.275	3.26%	66.81%
26.0	1658.659	81.167	1697.442	3.17%	70.17%
27.0	1543.955	78.353	1775.794	3.06%	73.41%
28.0	1324.284	72.618	1848.412	2.84%	76.41%
29.0	1263.859	67.713	1916.125	2.64%	79.21%
30.0	1161.167	65.475	1981.6	2.56%	81.91%
31.0	1019.403	60.682	2042.282	2.37%	84.42%
32.0	885.372	54.570	2096.852	2.13%	86.68%
33.0	746.915	48.088	2144.94	1.88%	88.67%
34.0	611.033	41.096	2186.035	1.60%	90.37%
35.0	490.133	34.198	2220.234	1.34%	91.78%
36.0	377.573	27.628	2247.861	1.08%	92.92%
37.0	283.044	21.546	2269.407	0.84%	93.81%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	232.012	17.192	2286.599	0.67%	94.52%
39.0	199.028	14.713	2301.312	0.57%	95.13%
40.0	106.679	10.662	2311.974	0.42%	95.57%
41.0	85.655	6.849	2318.822	0.27%	95.85%
42.0	72.056	5.730	2324.552	0.22%	96.09%
43.0	61.909	4.962	2329.515	0.19%	96.30%
44.0	54.536	4.395	2333.91	0.17%	96.48%
45.0	48.676	3.967	2337.876	0.15%	96.64%
46.0	43.497	3.605	2341.481	0.14%	96.79%
47.0	39.356	3.295	2344.776	0.13%	96.93%
48.0	35.633	3.031	2347.808	0.12%	97.05%
49.0	32.838	2.812	2350.62	0.11%	97.17%
50.0	30.410	2.637	2353.257	0.10%	97.28%
51.0	28.530	2.494	2355.75	0.10%	97.38%
52.0	27.008	2.383	2358.133	0.09%	97.48%
53.0	25.655	2.291	2360.424	0.09%	97.57%
54.0	24.550	2.213	2362.637	0.09%	97.67%
55.0	23.533	2.146	2364.783	0.08%	97.75%
56.0	22.641	2.086	2366.87	0.08%	97.84%
57.0	21.785	2.031	2368.901	0.08%	97.92%
58.0	21.075	1.982	2370.883	0.08%	98.01%
59.0	20.432	1.940	2372.824	0.08%	98.09%
60.0	19.803	1.901	2374.725	0.07%	98.17%
61.0	19.254	1.864	2376.588	0.07%	98.24%
62.0	18.713	1.829	2378.418	0.07%	98.32%
63.0	18.237	1.797	2380.215	0.07%	98.39%
64.0	17.784	1.768	2381.982	0.07%	98.47%
65.0	17.381	1.740	2383.723	0.07%	98.54%
66.0	16.979	1.714	2385.437	0.07%	98.61%
67.0	16.591	1.688	2387.125	0.07%	98.68%
68.0	16.233	1.663	2388.788	0.06%	98.75%
69.0	15.874	1.638	2390.426	0.06%	98.81%
70.0	15.560	1.614	2392.04	0.06%	98.88%
71.0	15.230	1.591	2393.631	0.06%	98.95%
72.0	14.931	1.568	2395.2	0.06%	99.01%
73.0	14.616	1.545	2396.745	0.06%	99.08%
74.0	14.301	1.520	2398.265	0.06%	99.14%
75.0	14.023	1.497	2399.762	0.06%	99.20%

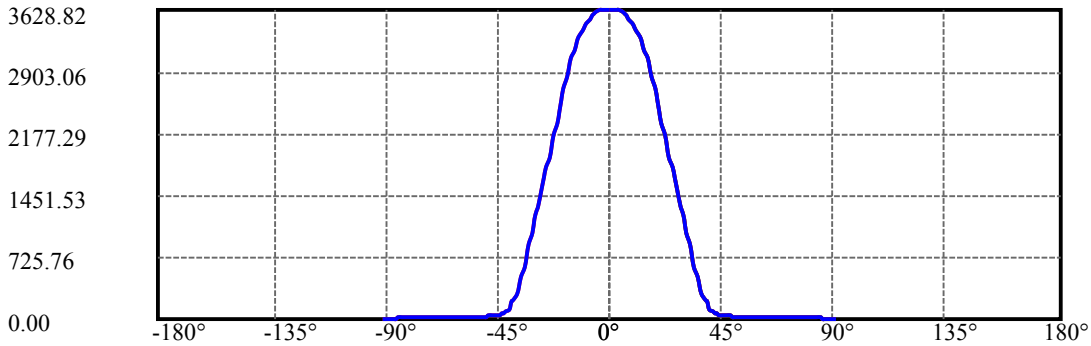
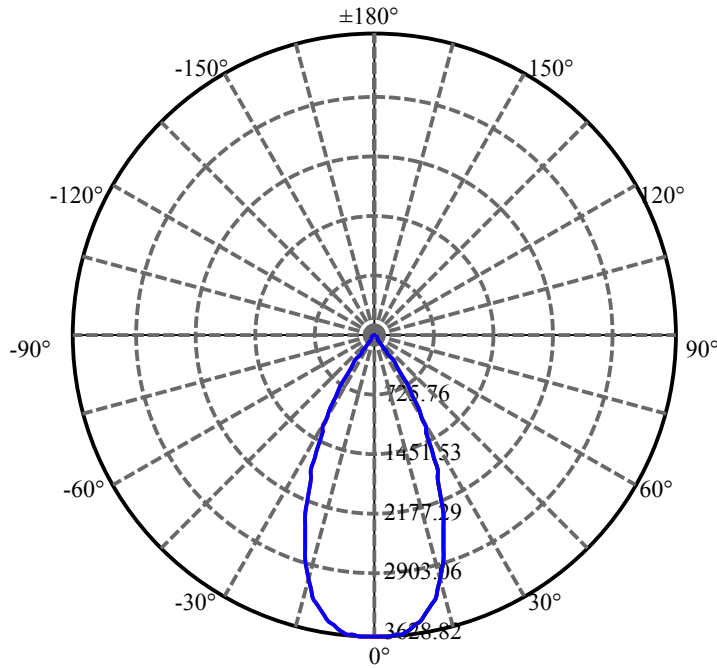
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.709	1.472	2401.234	0.06%	99.26%
77.0	13.431	1.447	2402.681	0.06%	99.32%
78.0	13.116	1.421	2404.102	0.06%	99.38%
79.0	12.780	1.391	2405.493	0.05%	99.44%
80.0	12.458	1.361	2406.854	0.05%	99.49%
81.0	12.180	1.332	2408.186	0.05%	99.55%
82.0	11.895	1.306	2409.492	0.05%	99.60%
83.0	11.609	1.278	2410.77	0.05%	99.66%
84.0	11.375	1.252	2412.022	0.05%	99.71%
85.0	11.149	1.229	2413.251	0.05%	99.76%
86.0	10.958	1.208	2414.459	0.05%	99.81%
87.0	10.746	1.188	2415.647	0.05%	99.86%
88.0	10.571	1.168	2416.815	0.05%	99.91%
89.0	10.417	1.150	2417.965	0.04%	99.95%
90.0	10.388	1.141	2419.106	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1981.60	77.38%	81.91%
0-40	2311.97	90.28%	95.57%
0-60	2374.72	92.73%	98.17%
0-90	2417.97	94.41%	99.95%
0-120	2417.97	94.41%	99.95%
0-180	2419.11	94.46%	100.00%
60-90	43.24	1.69%	1.79%
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%
0-29.29	1935.29	75.57%	80.00%

ZONAL LUMEN SUMMARY

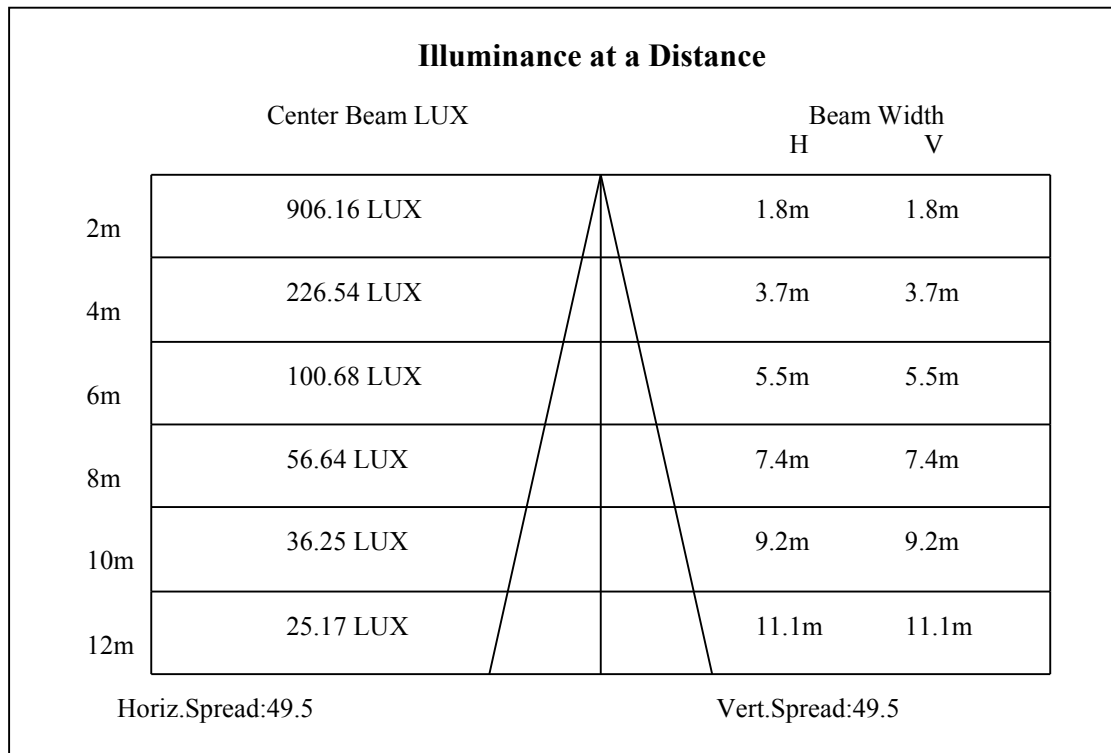
0-10	338.91
10-20	839.79
20-30	802.90
30-40	330.37
40-50	41.28
50-60	21.47
60-70	17.32
70-80	14.81
80-90	11.11
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

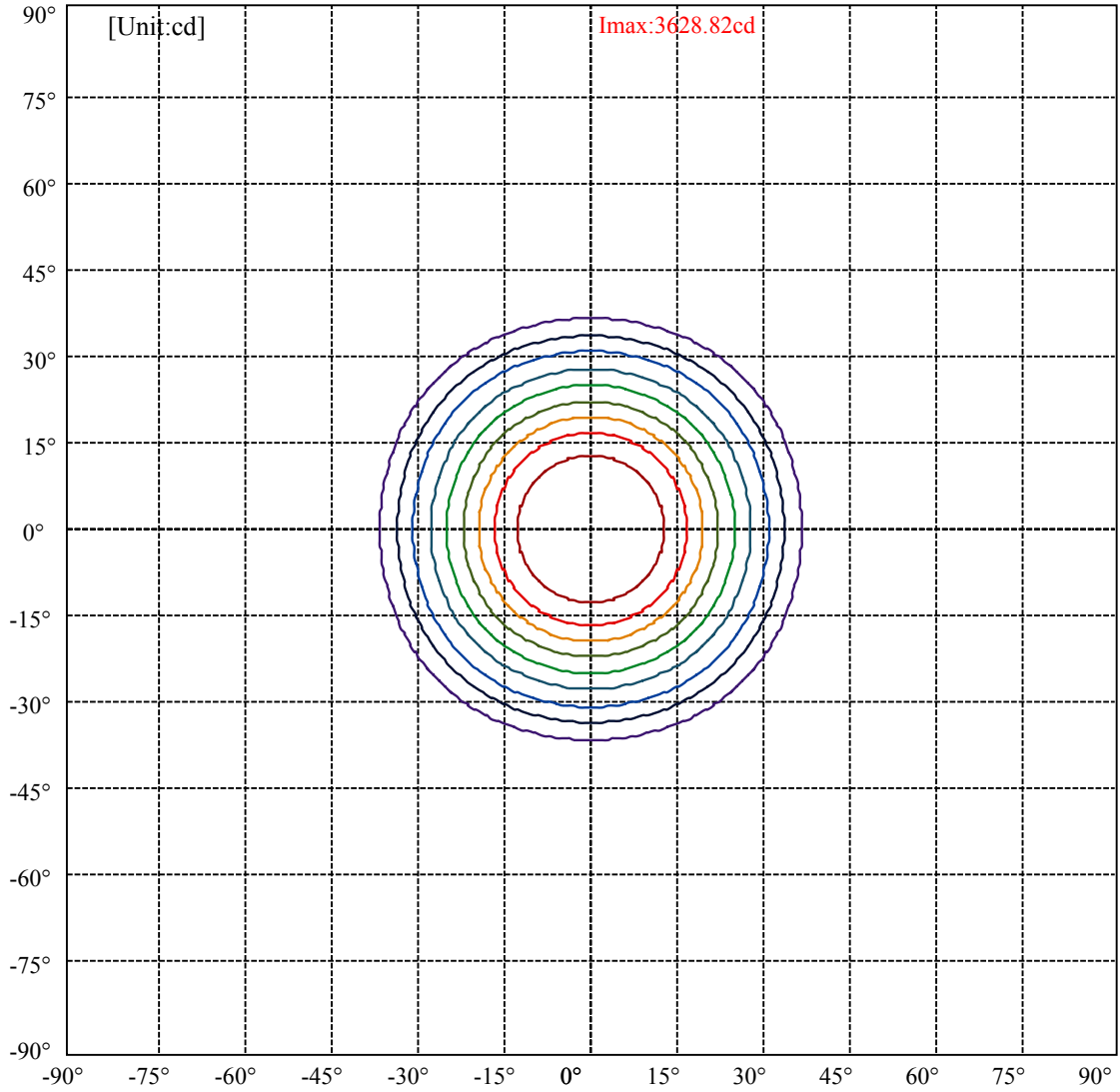


C0(Max): —————
C0/C180: —————
C90/C270: —————

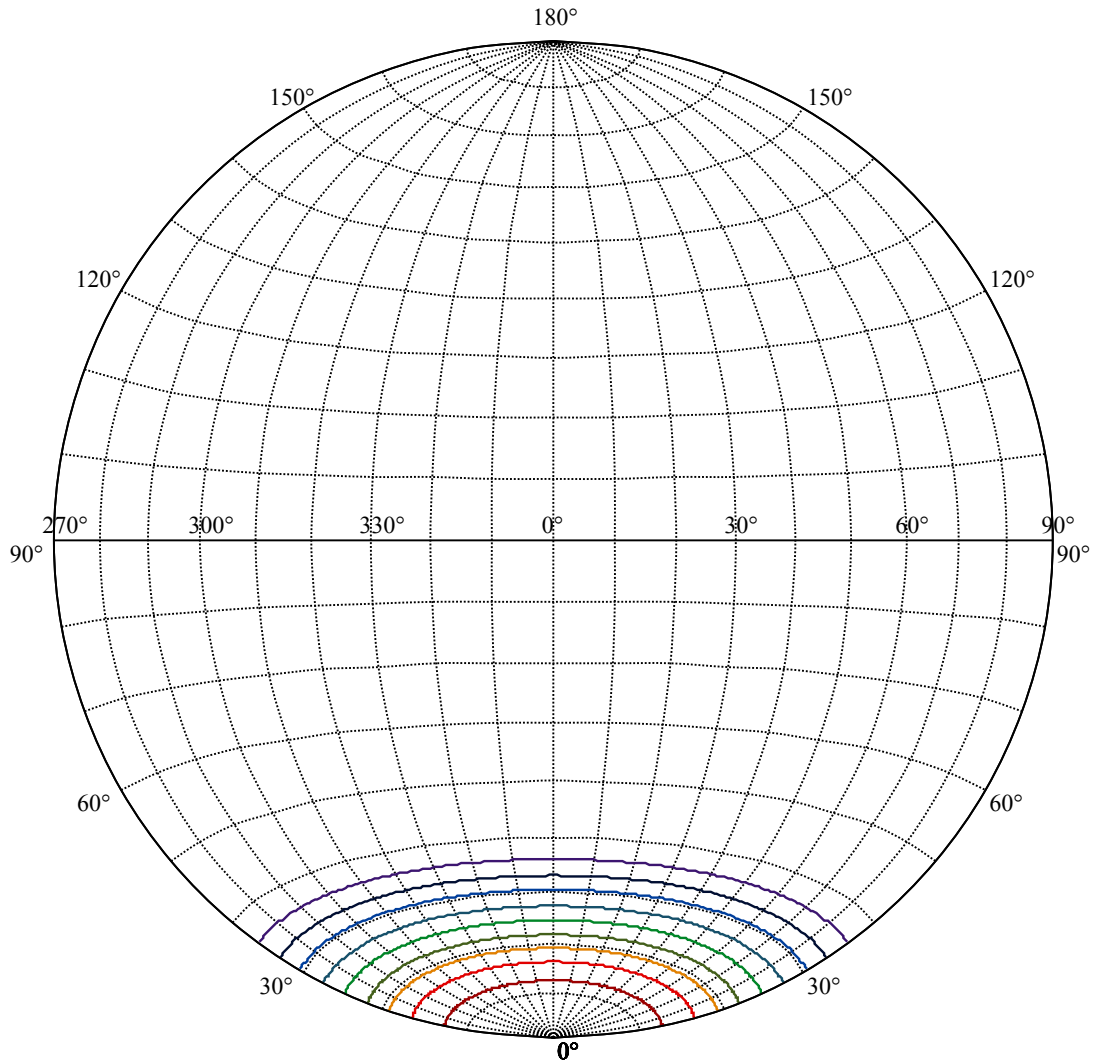
Field angle(10%Imax):C0/180Left:37.2 Right:35.2
:C90/270Left:37.2 Right:35.2

Beam Angle(50%Imax):C0/180Left:25.7 Right:23.7
:C90/270Left:25.7 Right:23.7





(10%Imax) 362.882	—
(20%Imax) 725.764	—
(30%Imax) 1088.65	—
(40%Imax) 1451.53	—
(50%Imax) 1814.41	—
(60%Imax) 2177.29	—
(70%Imax) 2540.17	—
(80%Imax) 2903.06	—
(90%Imax) 3265.94	—



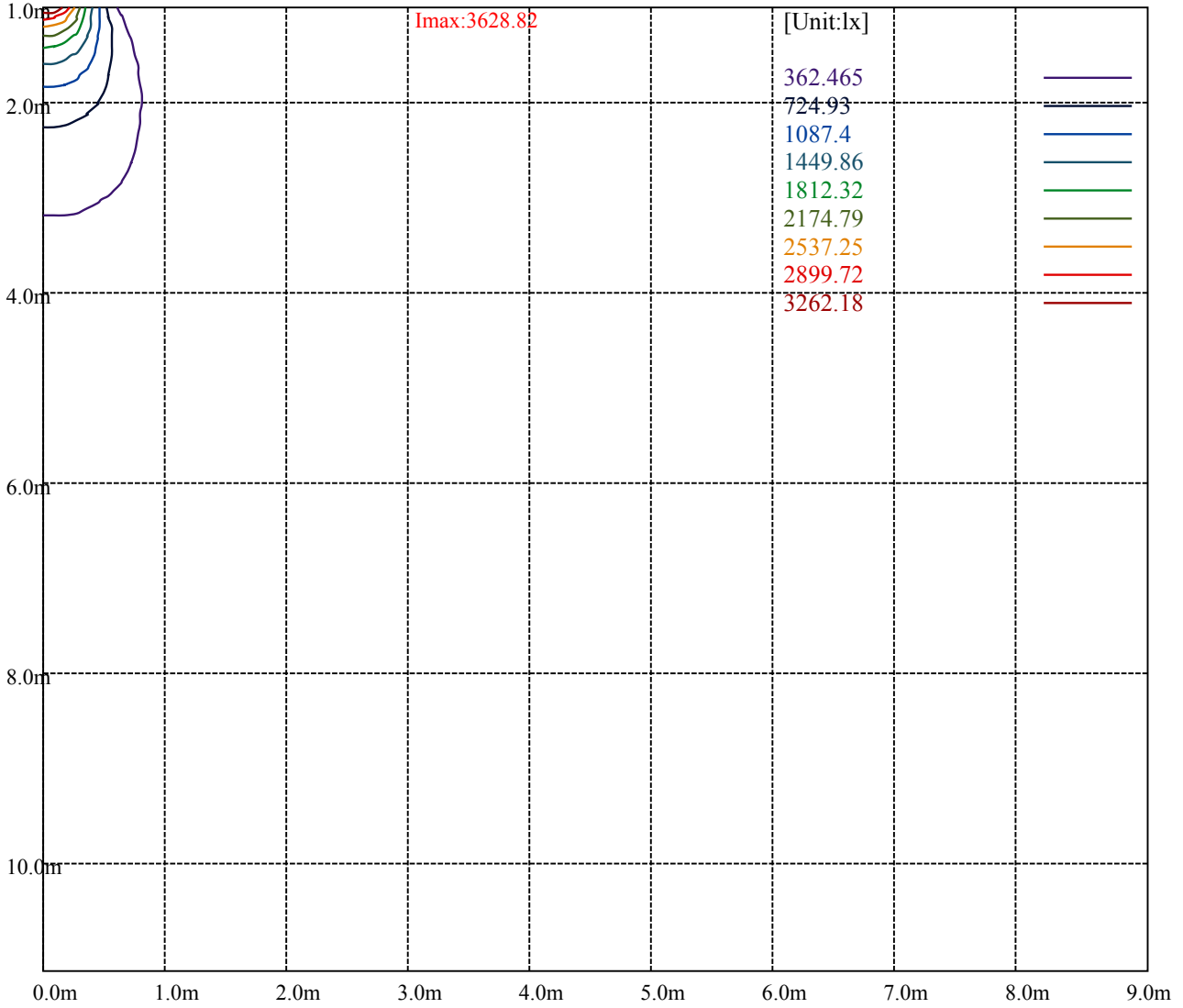
House

[Unit:cd]

Road

Imax:3628.82

(10%Imax)	362.882	—
(20%Imax)	725.764	—
(30%Imax)	1088.65	—
(40%Imax)	1451.53	—
(50%Imax)	1814.41	—
(60%Imax)	2177.29	—
(70%Imax)	2540.17	—
(80%Imax)	2903.06	—
(90%Imax)	3265.94	—



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

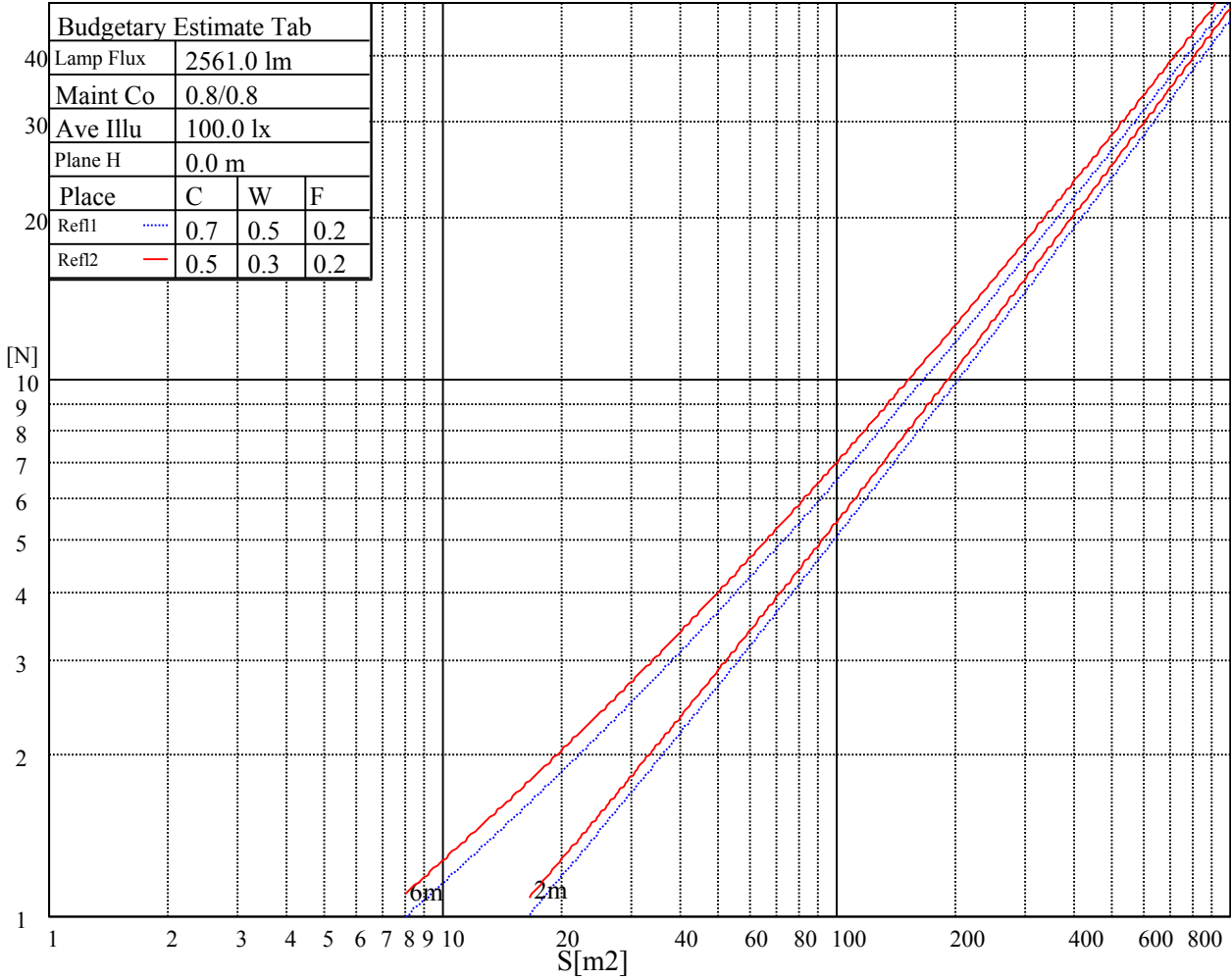
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

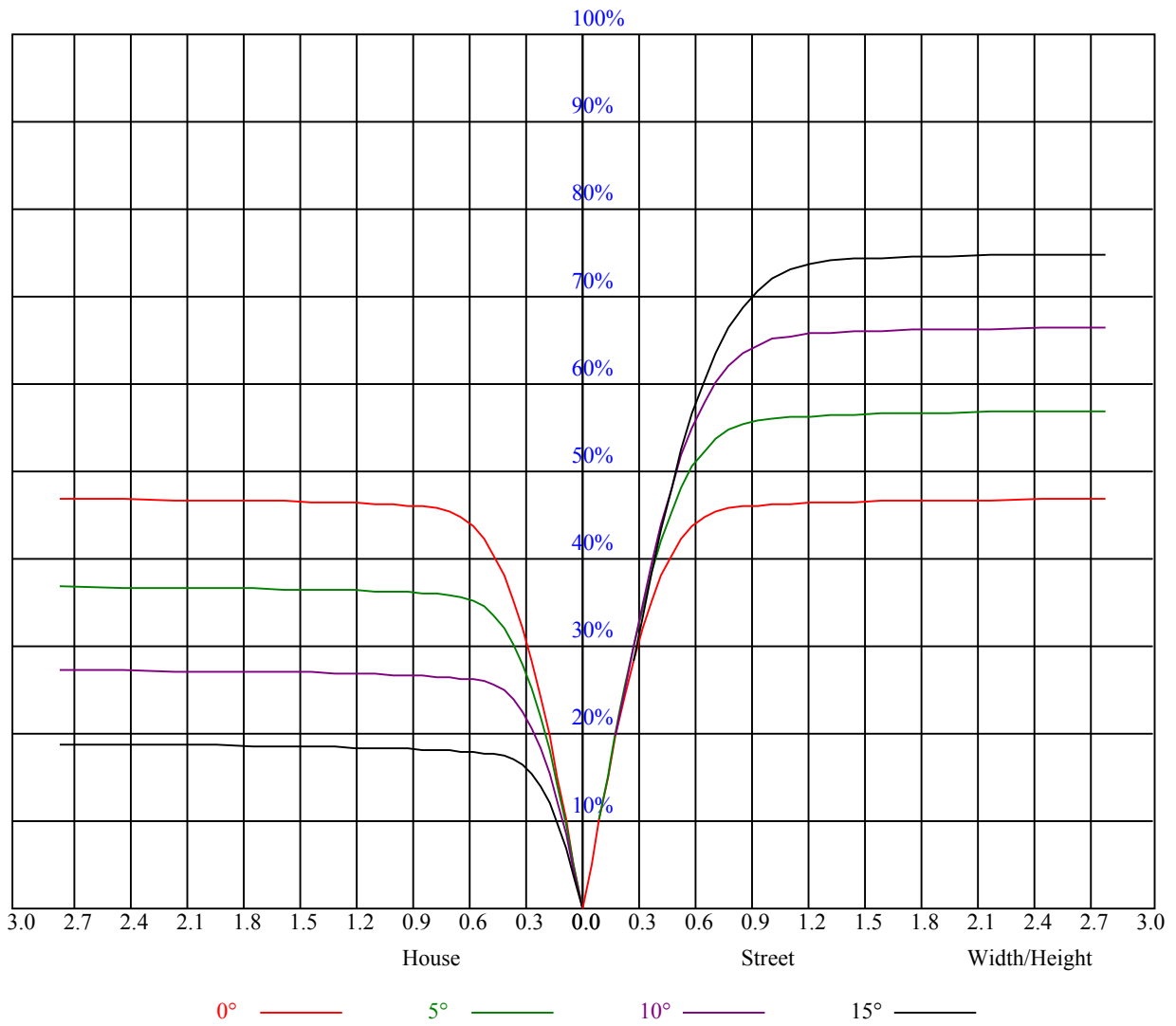


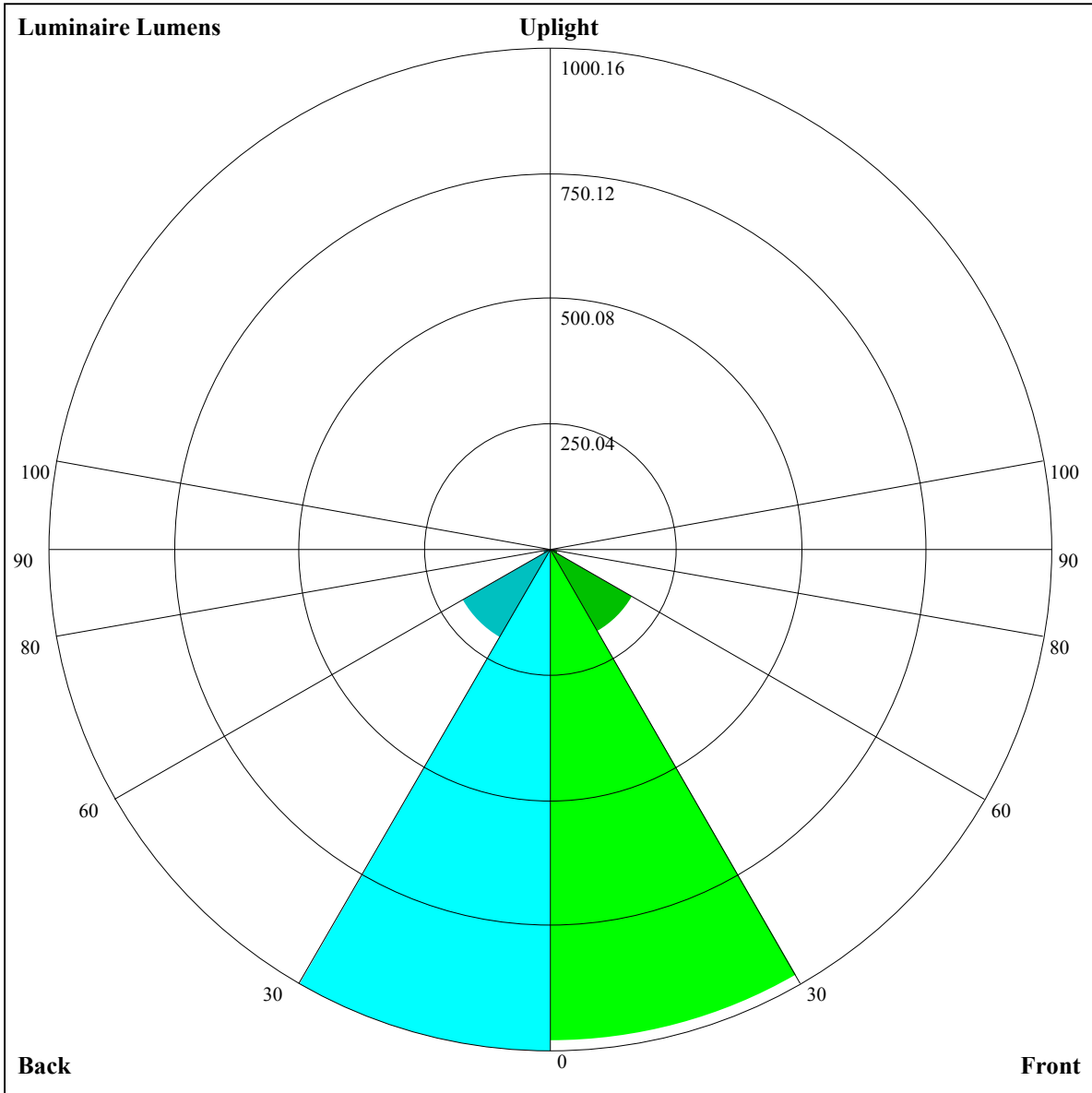
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.84	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.87	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.70
6	0.78	0.72	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
7	0.74	0.68	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
8	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.59
9	0.67	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.64	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.53





Luminaire Lumens:

FL=980.23,FM=190.67,FH=16.06,FVH=6.12

BL=1000.16,BM=203.2,BH=16.09,BVH=6.15

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	3620.26	3634.31	3636.65	3637.82	3636.65	3622.02	3596.85	3556.47	3518.43
45.0	3623.19	3620.26	3630.21	3629.04	3617.33	3618.50	3609.73	3580.47	3549.45
90.0	3626.11	3624.94	3617.92	3605.63	3590.41	3578.12	3550.03	3518.43	3481.56
135.0	3629.04	3625.53	3623.19	3612.07	3600.95	3582.22	3571.69	3550.03	3518.43
180.0	3620.26	3617.92	3613.82	3610.31	3593.93	3585.73	3576.37	3558.23	3530.14
225.0	3623.19	3632.55	3619.09	3620.26	3614.99	3600.36	3582.81	3550.03	3495.61
270.0	3626.11	3630.21	3636.06	3639.57	3644.25	3640.74	3633.72	3607.97	3578.71
315.0	3629.04	3644.84	3648.35	3655.96	3648.94	3647.77	3615.58	3581.05	3532.48
360.0	3620.26	3634.31	3636.65	3637.82	3636.65	3622.02	3596.85	3556.47	3518.43
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3454.06	3398.46	3334.09	3262.10	3164.37	3074.83	2981.19	2871.76	2723.70
45.0	3513.16	3464.01	3417.19	3356.91	3299.56	3228.74	3139.21	3050.25	2919.16
90.0	3443.52	3398.46	3357.49	3304.24	3214.11	3139.21	3028.60	2931.45	2810.31
135.0	3483.32	3445.28	3390.85	3341.69	3287.85	3207.09	3133.35	3050.25	2926.77
180.0	3483.90	3437.08	3391.44	3332.33	3263.27	3172.56	3103.51	3018.06	2922.09
225.0	3453.47	3395.53	3334.67	3275.56	3198.31	3096.48	3005.19	2901.60	2780.46
270.0	3541.84	3493.27	3448.79	3375.64	3306.58	3226.99	3139.79	3017.48	2908.04
315.0	3478.05	3417.19	3344.03	3270.88	3185.44	3101.75	2970.66	2864.73	2711.99
360.0	3454.06	3398.46	3334.09	3262.10	3164.37	3074.83	2981.19	2871.76	2723.70
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2597.87	2432.84	2305.26	2179.44	2023.77	1904.38	1795.53	1661.51	1562.02
45.0	2805.63	2680.39	2547.54	2379.58	2244.98	2115.65	1957.05	1841.76	1696.04
90.0	2662.83	2533.50	2392.46	2264.88	2134.37	1973.44	1851.71	1737.01	1595.97
135.0	2822.60	2709.65	2559.83	2434.01	2305.26	2176.51	2012.06	1891.51	1773.88
180.0	2777.54	2660.49	2537.59	2411.19	2254.93	2129.11	2005.04	1891.51	1749.30
225.0	2628.30	2497.21	2367.88	2205.77	2086.39	1968.76	1827.72	1719.45	1612.35
270.0	2784.56	2618.94	2482.00	2319.31	2193.48	2071.17	1925.45	1818.94	1706.57
315.0	2579.15	2445.71	2290.04	2159.54	2040.15	1894.43	1781.48	1677.31	1573.14
360.0	2597.87	2432.84	2305.26	2179.44	2023.77	1904.38	1795.53	1661.51	1562.02
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1454.34	1150.96	1150.96	1055.51	925.94	798.54	675.41	526.00	414.51
45.0	1586.60	1476.00	1334.96	1213.23	1086.24	959.83	801.82	681.26	565.97
90.0	1487.70	1160.09	1160.09	1095.19	966.79	806.73	684.60	567.55	427.74
135.0	1658.00	1521.06	1405.77	1288.14	1137.15	1004.89	844.54	717.54	594.65
180.0	1638.69	1503.50	1394.06	1268.83	1103.79	972.12	842.20	685.36	567.14
225.0	1478.34	1164.13	1164.13	1065.58	931.15	802.23	678.10	533.73	427.16
270.0	1605.92	1478.92	1361.29	1230.79	1099.11	966.26	802.99	679.50	534.37
315.0	1442.05	1139.61	1139.61	1072.07	905.05	772.38	645.68	497.32	389.53
360.0	1454.34	1150.96	1150.96	1055.51	925.94	798.54	675.41	526.00	414.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	294.95	216.18	156.49	111.54	93.17	79.30	65.43	58.52	52.49
45.0	457.70	332.47	309.64	309.64	125.41	95.45	80.94	67.07	59.40
90.0	328.08	242.11	172.23	123.19	91.76	77.37	65.90	56.30	50.62
135.0	450.68	345.93	299.11	299.11	118.27	92.52	78.19	66.72	56.47
180.0	457.12	354.12	307.30	307.30	122.84	96.21	78.01	66.60	57.88
225.0	331.24	245.79	161.93	118.68	95.10	77.31	66.36	56.77	50.91
270.0	425.52	325.44	302.03	209.33	117.16	91.35	76.66	65.43	57.82
315.0	275.29	202.31	147.36	113.42	89.71	75.73	64.96	57.88	50.68
360.0	294.95	216.18	156.49	111.54	93.17	79.30	65.43	58.52	52.49

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	47.34	41.84	38.22	35.17	32.77	30.26	28.62	27.27	25.75
45.0	53.37	46.76	42.25	38.51	35.29	32.19	30.14	28.50	27.10
90.0	45.53	40.15	36.69	33.12	30.96	29.03	27.51	25.98	24.87
135.0	50.68	45.53	41.02	36.46	33.36	30.49	28.62	27.10	25.57
180.0	50.39	45.30	40.97	36.46	33.47	31.19	28.73	27.15	25.87
225.0	45.94	41.55	36.93	33.94	31.60	29.55	27.56	26.28	25.11
270.0	50.50	45.47	41.02	37.45	33.65	31.37	29.38	27.45	26.10
315.0	45.65	41.38	37.75	33.94	31.60	29.20	27.68	26.34	24.87
360.0	47.34	41.84	38.22	35.17	32.77	30.26	28.62	27.27	25.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.70	23.76	22.71	21.89	21.19	20.42	19.84	19.31	18.84
45.0	25.57	24.52	23.58	22.59	21.83	21.13	20.31	19.72	19.20
90.0	23.94	23.06	22.12	21.36	20.72	20.13	19.49	19.02	18.43
135.0	24.52	23.58	22.71	21.83	21.13	20.54	19.96	19.31	18.79
180.0	24.76	23.53	22.71	21.95	21.24	20.48	19.96	19.43	18.79
225.0	24.05	23.00	22.18	21.42	20.66	20.07	19.37	18.84	18.38
270.0	24.99	23.82	22.94	21.95	21.24	20.66	20.07	19.55	18.90
315.0	23.88	23.00	22.18	21.30	20.60	20.01	19.43	18.84	18.38
360.0	24.70	23.76	22.71	21.89	21.19	20.42	19.84	19.31	18.84
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.20	17.79	17.44	17.03	16.56	16.21	15.80	15.45	15.16
45.0	18.61	18.14	17.79	17.26	16.91	16.56	16.21	15.86	15.51
90.0	18.02	17.67	17.21	16.85	16.50	16.15	15.74	15.45	15.16
135.0	18.38	17.91	17.50	17.09	16.74	16.44	16.04	15.68	15.39
180.0	18.38	17.85	17.44	17.09	16.68	16.27	15.98	15.68	15.33
225.0	17.97	17.50	17.15	16.74	16.39	16.04	15.74	15.39	15.04
270.0	18.43	17.97	17.56	17.09	16.74	16.27	15.98	15.74	15.27
315.0	17.91	17.44	16.97	16.68	16.21	15.92	15.51	15.22	14.98
360.0	18.20	17.79	17.44	17.03	16.56	16.21	15.80	15.45	15.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.75	14.51	14.16	13.87	13.58	13.28	12.99	12.58	12.35
45.0	15.22	14.81	14.51	14.28	13.93	13.64	13.34	12.99	12.64
90.0	14.92	14.51	14.22	13.99	13.69	13.34	13.11	12.64	12.35
135.0	15.10	14.81	14.46	14.22	13.93	13.69	13.34	13.11	12.70
180.0	14.98	14.75	14.46	14.10	13.81	13.58	13.23	12.93	12.64
225.0	14.75	14.46	14.16	13.87	13.46	13.23	12.93	12.58	12.23
270.0	15.04	14.75	14.46	14.10	13.81	13.58	13.17	12.87	12.58
315.0	14.69	14.34	13.99	13.75	13.46	13.11	12.82	12.52	12.17
360.0	14.75	14.51	14.16	13.87	13.58	13.28	12.99	12.58	12.35
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.06	11.76	11.53	11.35	11.06	10.94	10.71	10.53	10.42
45.0	12.35	12.00	11.70	11.47	11.24	11.06	10.83	10.65	10.42
90.0	12.06	11.82	11.53	11.29	11.06	10.89	10.71	10.53	10.36
135.0	12.41	12.11	11.76	11.53	11.29	11.12	10.89	10.71	10.53
180.0	12.29	12.06	11.70	11.47	11.24	11.00	10.83	10.65	10.48
225.0	12.06	11.76	11.53	11.24	11.06	10.89	10.65	10.48	10.36
270.0	12.29	12.00	11.70	11.47	11.24	11.00	10.77	10.59	10.42
315.0	11.94	11.65	11.41	11.18	11.00	10.77	10.59	10.42	10.36
360.0	12.06	11.76	11.53	11.35	11.06	10.94	10.71	10.53	10.42

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.42
45.0	10.36
90.0	10.48
135.0	10.42
180.0	10.36
225.0	10.36
270.0	10.36
315.0	10.36
360.0	10.42