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NT

Client:

LumCAT: 1-1494-L

Luminaire: 92.70.427.00

Report No: 2024923-B024

Ballast type: AC

Test No: 2024923-C024

Voltage(V): 36.270

LampCAT: CITIZEN CLU028 LES9.8

Current(A): 0.360

Lamp flux(lm): 1715.0

Power (W): 13.057

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1352.56, Efficiency(%): 78.87% , Luminous Efficacy(lm/W): 103.59

Central intensity(cd): 3152.520, Maximum intensity(cd): 3152.520

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.4

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=64.0

[C90/270]Total=64.0

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 78.87%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.157%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/23
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	3152.519	0.000	0	0.00%	0.00%
1.0	3146.667	3.014	3.014	0.18%	0.22%
2.0	3129.110	9.008	12.022	0.53%	0.89%
3.0	3099.630	14.897	26.919	0.87%	1.99%
4.0	3056.835	20.608	47.526	1.20%	3.51%
5.0	2998.313	26.049	73.575	1.52%	5.44%
6.0	2931.963	31.165	104.74	1.82%	7.74%
7.0	2856.249	35.927	140.668	2.09%	10.40%
8.0	2765.173	40.231	180.899	2.35%	13.37%
9.0	2666.124	44.018	224.917	2.57%	16.63%
10.0	2557.931	47.276	272.193	2.76%	20.12%
11.0	2441.910	49.959	322.151	2.91%	23.82%
12.0	2328.522	52.148	374.299	3.04%	27.67%
13.0	2191.653	53.643	427.942	3.13%	31.64%
14.0	2059.612	54.416	482.358	3.17%	35.66%
15.0	1933.203	54.815	537.173	3.20%	39.72%
16.0	1802.552	54.739	591.912	3.19%	43.76%
17.0	1667.877	54.044	645.956	3.15%	47.76%
18.0	1542.126	52.926	698.882	3.09%	51.67%
19.0	1387.532	50.970	749.852	2.97%	55.44%
20.0	1277.780	48.783	798.635	2.84%	59.05%
21.0	1197.956	47.539	846.174	2.77%	62.56%
22.0	1102.615	46.231	892.405	2.70%	65.98%
23.0	1002.081	44.162	936.567	2.58%	69.24%
24.0	913.141	41.874	978.441	2.44%	72.34%
25.0	822.161	39.457	1017.898	2.30%	75.26%
26.0	740.471	36.886	1054.784	2.15%	77.98%
27.0	662.160	34.316	1089.1	2.00%	80.52%
28.0	587.164	31.630	1120.73	1.84%	82.86%
29.0	516.556	28.876	1149.606	1.68%	85.00%
30.0	441.333	25.863	1175.469	1.51%	86.91%
31.0	374.186	22.695	1198.164	1.32%	88.59%
32.0	313.710	19.707	1217.871	1.15%	90.04%
33.0	267.843	17.133	1235.004	1.00%	91.31%
34.0	228.011	15.006	1250.01	0.87%	92.42%
35.0	183.570	12.782	1262.792	0.75%	93.36%
36.0	128.720	9.943	1272.736	0.58%	94.10%
37.0	98.537	7.412	1280.147	0.43%	94.65%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	75.179	5.798	1285.946	0.34%	95.08%
39.0	59.334	4.591	1290.537	0.27%	95.41%
40.0	46.877	3.704	1294.241	0.22%	95.69%
41.0	38.661	3.046	1297.287	0.18%	95.91%
42.0	33.043	2.605	1299.893	0.15%	96.11%
43.0	29.166	2.304	1302.197	0.13%	96.28%
44.0	26.503	2.101	1304.298	0.12%	96.43%
45.0	24.389	1.956	1306.254	0.11%	96.58%
46.0	22.590	1.837	1308.091	0.11%	96.71%
47.0	21.039	1.735	1309.826	0.10%	96.84%
48.0	19.890	1.655	1311.481	0.10%	96.96%
49.0	18.822	1.590	1313.071	0.09%	97.08%
50.0	17.879	1.530	1314.601	0.09%	97.19%
51.0	17.008	1.476	1316.077	0.09%	97.30%
52.0	16.284	1.429	1317.506	0.08%	97.41%
53.0	15.655	1.389	1318.895	0.08%	97.51%
54.0	14.974	1.350	1320.245	0.08%	97.61%
55.0	14.397	1.311	1321.556	0.08%	97.71%
56.0	13.848	1.276	1322.832	0.07%	97.80%
57.0	13.372	1.245	1324.077	0.07%	97.89%
58.0	12.875	1.214	1325.291	0.07%	97.98%
59.0	12.399	1.182	1326.472	0.07%	98.07%
60.0	11.982	1.152	1327.624	0.07%	98.16%
61.0	11.573	1.124	1328.748	0.07%	98.24%
62.0	11.222	1.098	1329.847	0.06%	98.32%
63.0	10.805	1.071	1330.918	0.06%	98.40%
64.0	10.432	1.042	1331.96	0.06%	98.48%
65.0	10.088	1.015	1332.975	0.06%	98.55%
66.0	9.759	0.990	1333.966	0.06%	98.63%
67.0	9.393	0.963	1334.929	0.06%	98.70%
68.0	9.078	0.936	1335.864	0.05%	98.77%
69.0	8.808	0.912	1336.777	0.05%	98.83%
70.0	8.537	0.891	1337.667	0.05%	98.90%
71.0	8.281	0.869	1338.537	0.05%	98.96%
72.0	8.069	0.850	1339.387	0.05%	99.03%
73.0	7.849	0.832	1340.219	0.05%	99.09%
74.0	7.666	0.816	1341.035	0.05%	99.15%
75.0	7.498	0.801	1341.836	0.05%	99.21%

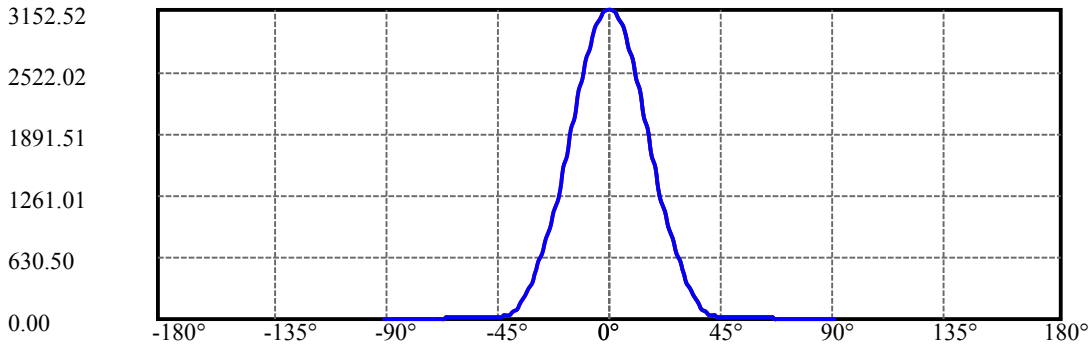
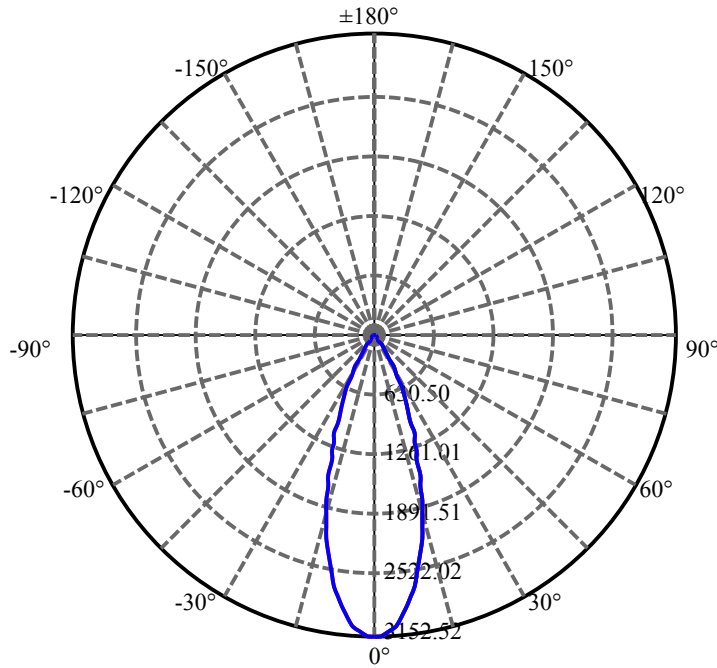
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.359	0.789	1342.625	0.05%	99.27%
77.0	7.198	0.776	1343.401	0.05%	99.32%
78.0	7.074	0.764	1344.165	0.04%	99.38%
79.0	6.950	0.753	1344.919	0.04%	99.44%
80.0	6.811	0.742	1345.66	0.04%	99.49%
81.0	6.701	0.731	1346.391	0.04%	99.54%
82.0	6.606	0.722	1347.113	0.04%	99.60%
83.0	6.511	0.713	1347.826	0.04%	99.65%
84.0	6.386	0.703	1348.528	0.04%	99.70%
85.0	6.277	0.691	1349.219	0.04%	99.75%
86.0	6.218	0.683	1349.902	0.04%	99.80%
87.0	6.123	0.675	1350.578	0.04%	99.85%
88.0	6.050	0.667	1351.245	0.04%	99.90%
89.0	5.977	0.659	1351.904	0.04%	99.95%
90.0	5.940	0.653	1352.557	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1175.47	68.54%	86.91%
0-40	1294.24	75.47%	95.69%
0-60	1327.62	77.41%	98.16%
0-90	1351.90	78.83%	99.95%
0-120	1351.90	78.83%	99.95%
0-180	1352.56	78.87%	100.00%
60-90	24.28	1.42%	1.80%
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%
0-26.79	1082.05	63.09%	80.00%

ZONAL LUMEN SUMMARY

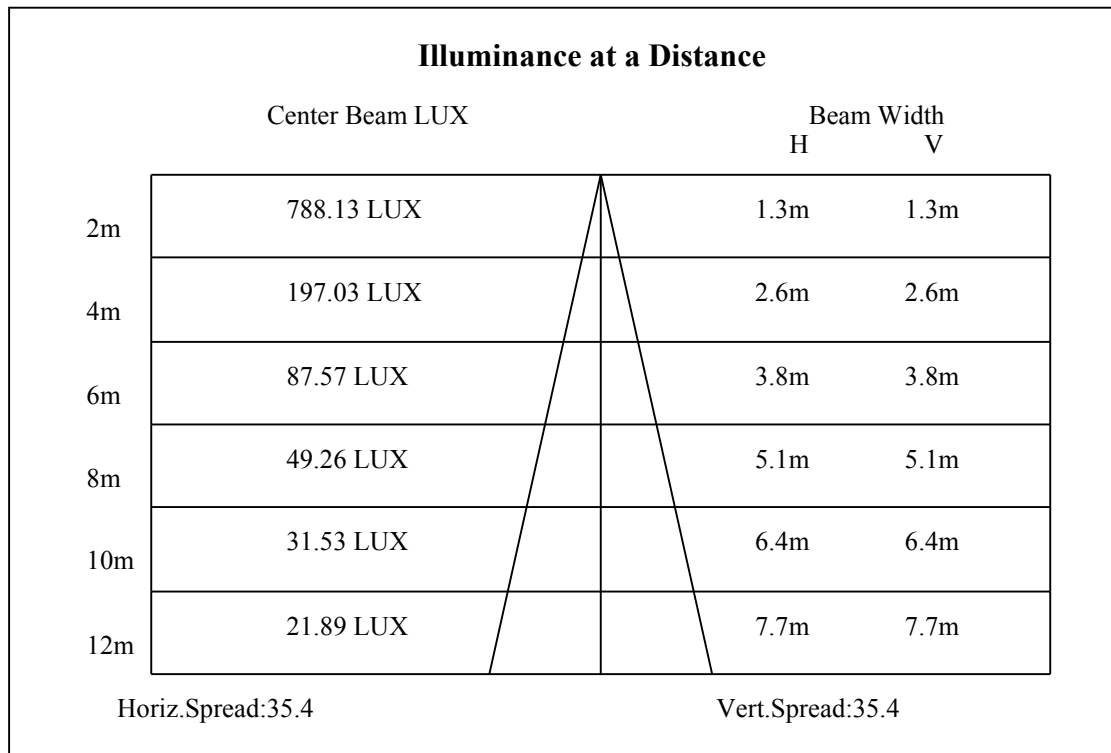
0-10	272.19
10-20	526.44
20-30	376.83
30-40	118.77
40-50	20.36
50-60	13.02
60-70	10.04
70-80	7.99
80-90	6.24
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

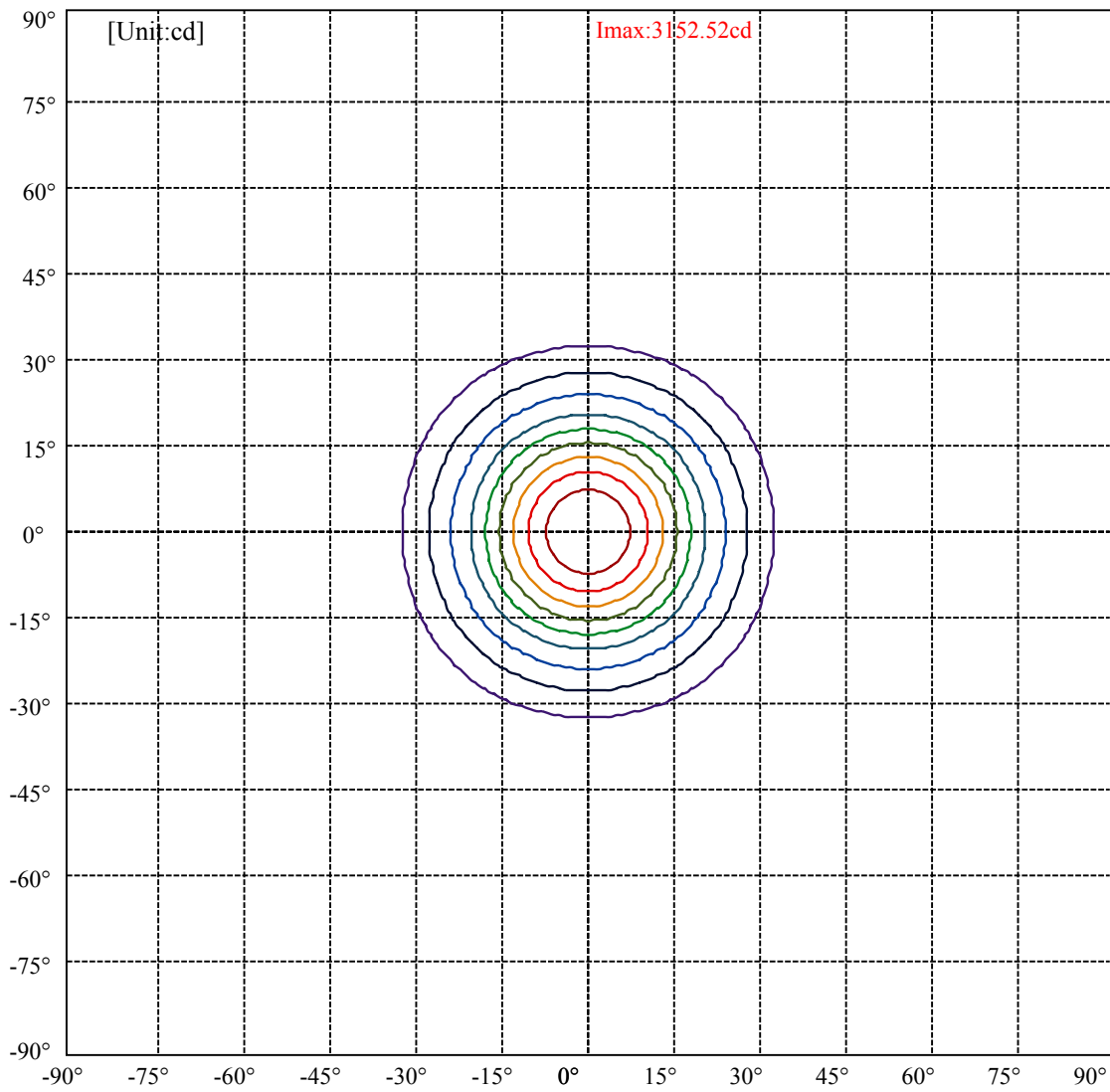


C0(Max): —————
C0/C180: —————
C90/C270: —————

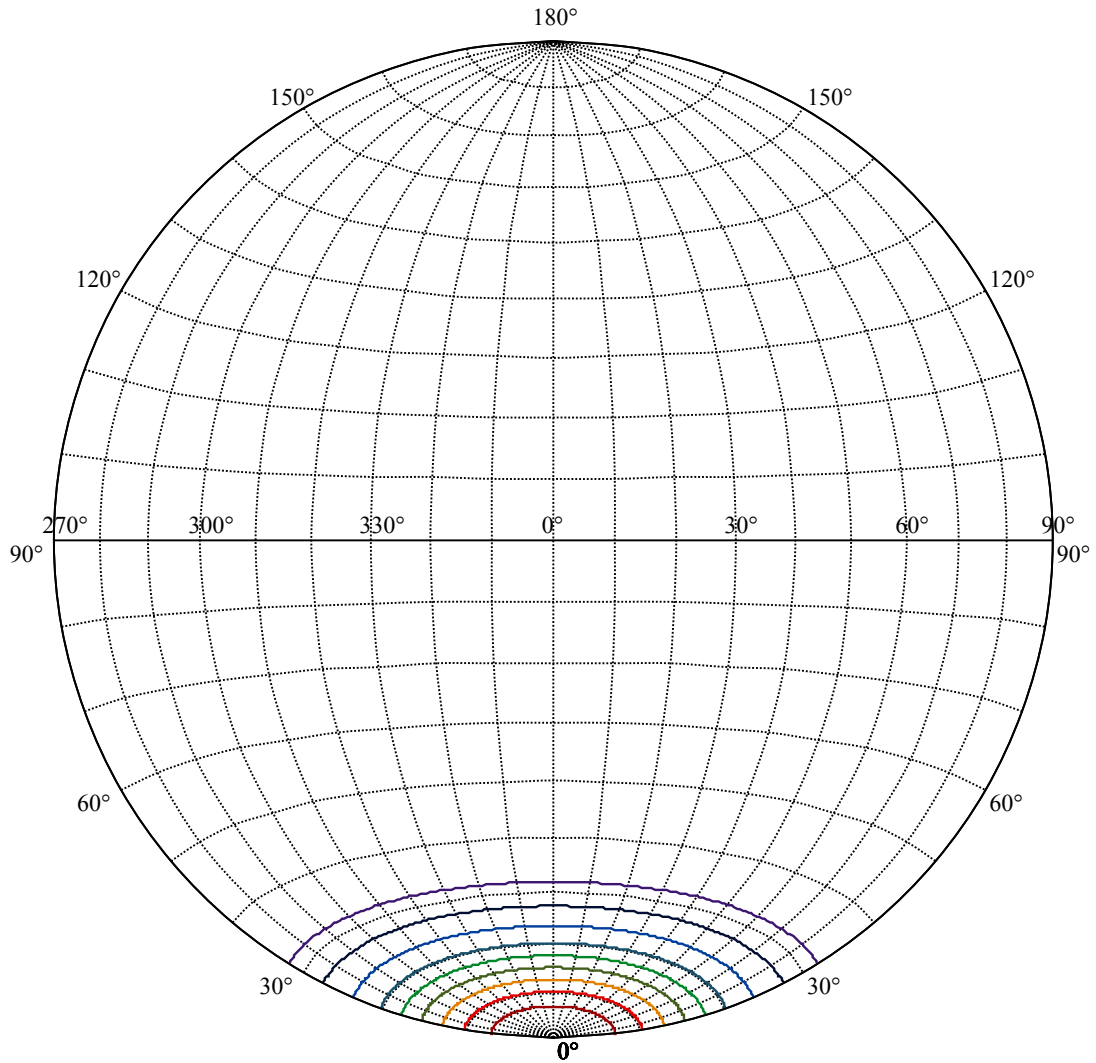
Field angle(10%Imax):C0/180Left:32.0 Right:32.0
:C90/270Left:32.0 Right:32.0

Beam Angle(50%Imax):C0/180Left:17.7 Right:17.7
:C90/270Left:17.7 Right:17.7





(10%Imax) 315.252	—
(20%Imax) 630.504	—
(30%Imax) 945.756	—
(40%Imax) 1261.01	—
(50%Imax) 1576.26	—
(60%Imax) 1891.51	—
(70%Imax) 2206.76	—
(80%Imax) 2522.02	—
(90%Imax) 2837.27	—



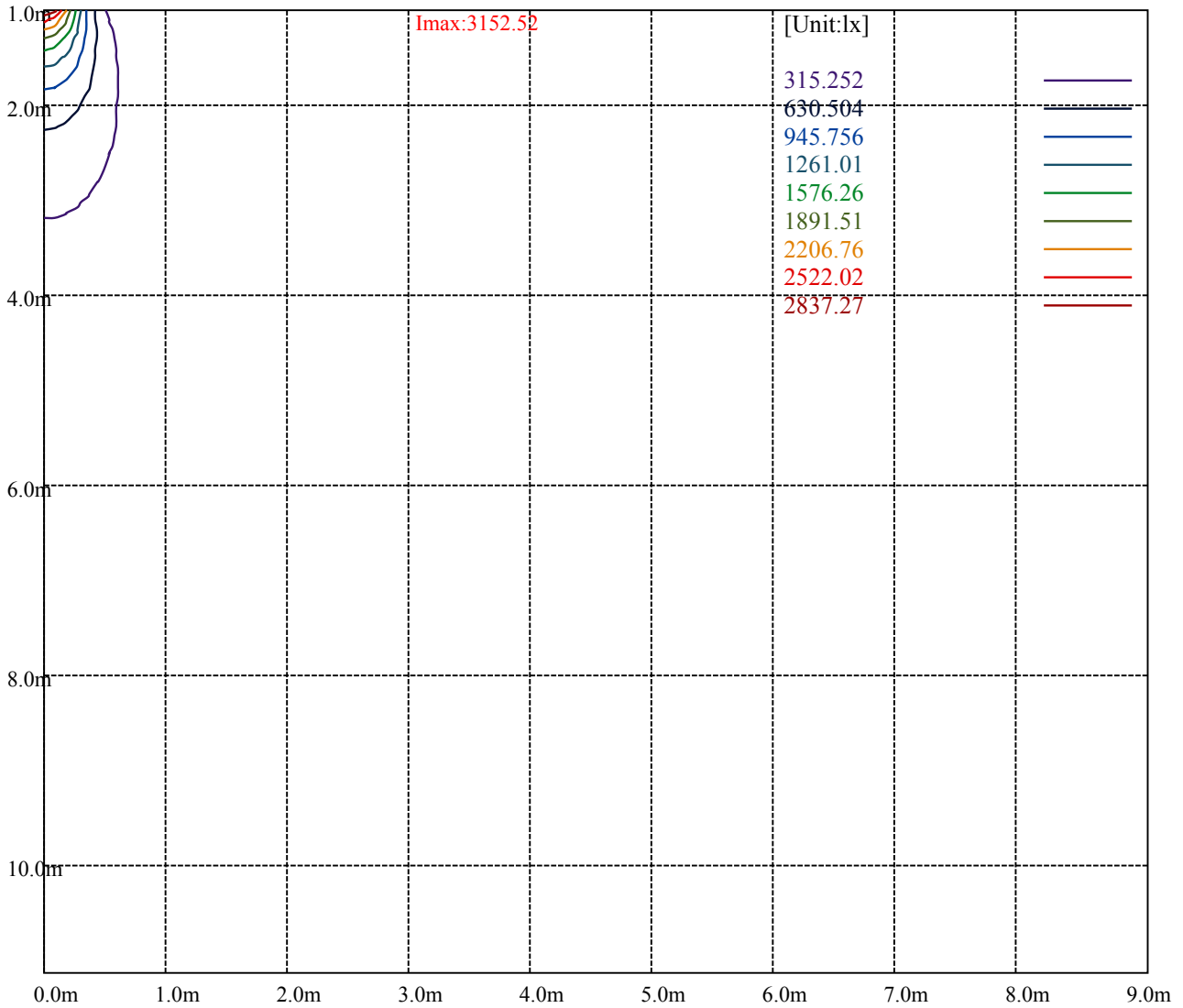
House

[Unit:cd]

Road

Imax:3152.52

(10%Imax) 315.252	—
(20%Imax) 630.504	—
(30%Imax) 945.756	—
(40%Imax) 1261.01	—
(50%Imax) 1576.26	—
(60%Imax) 1891.51	—
(70%Imax) 2206.76	—
(80%Imax) 2522.02	—
(90%Imax) 2837.27	—



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

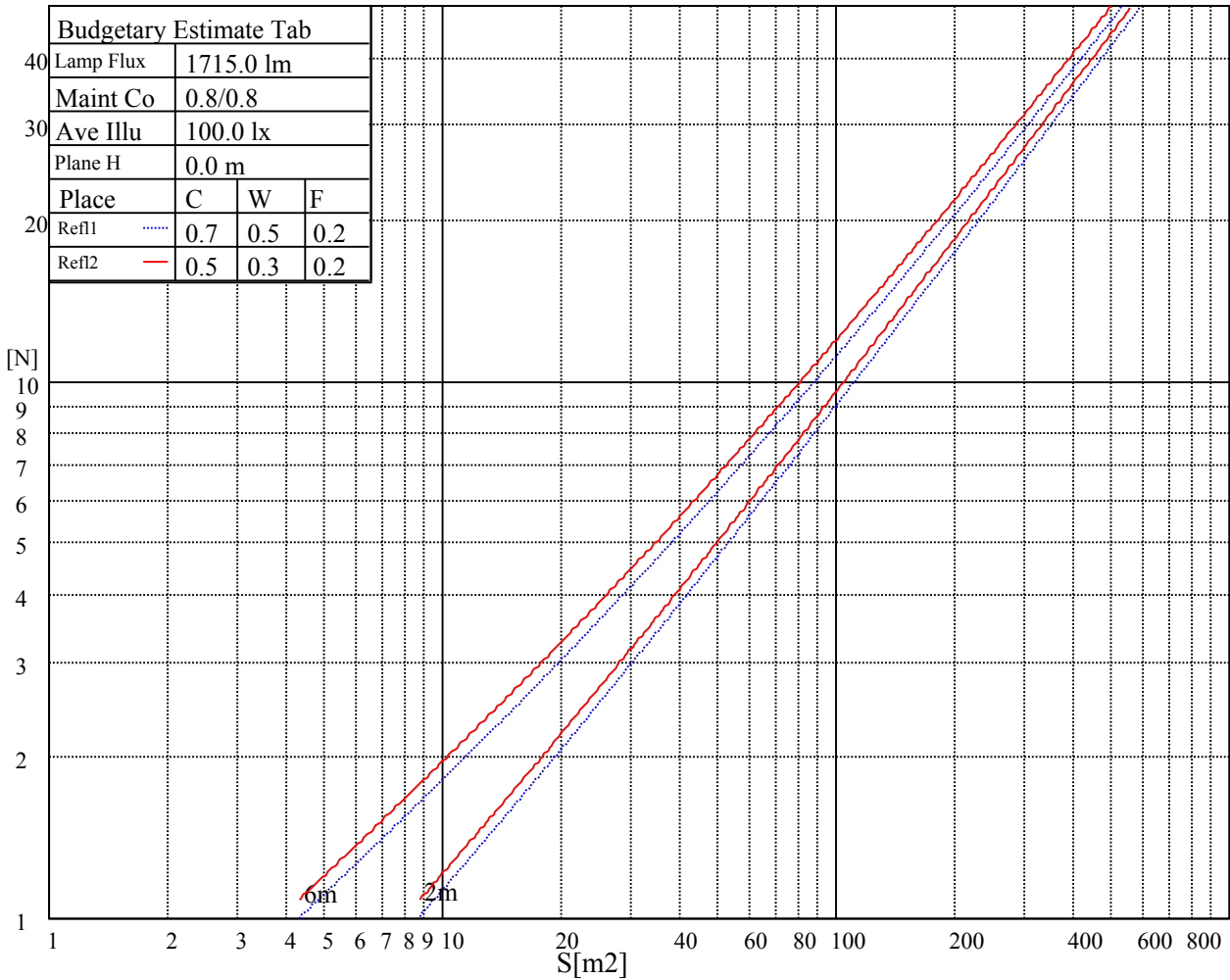
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

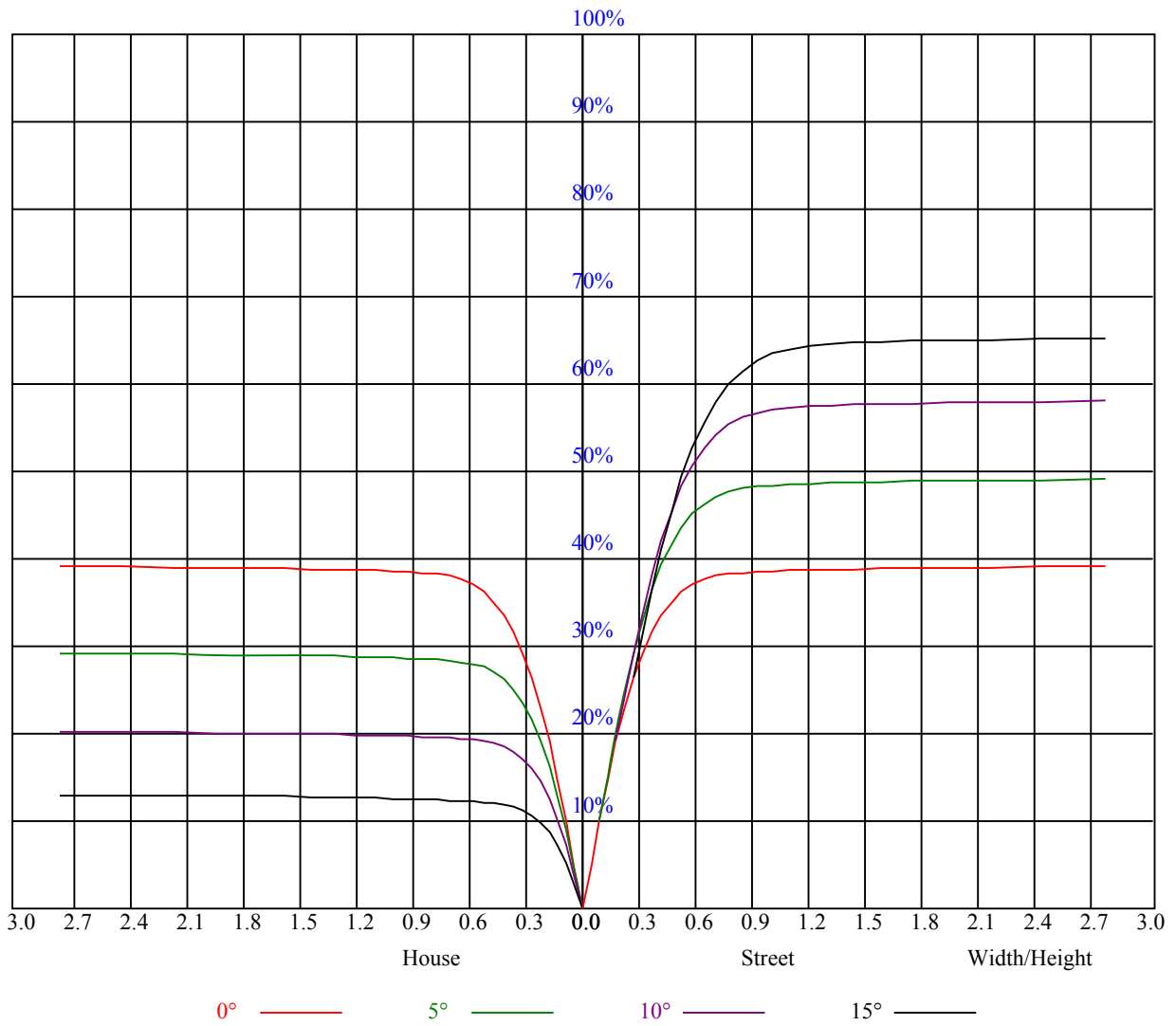


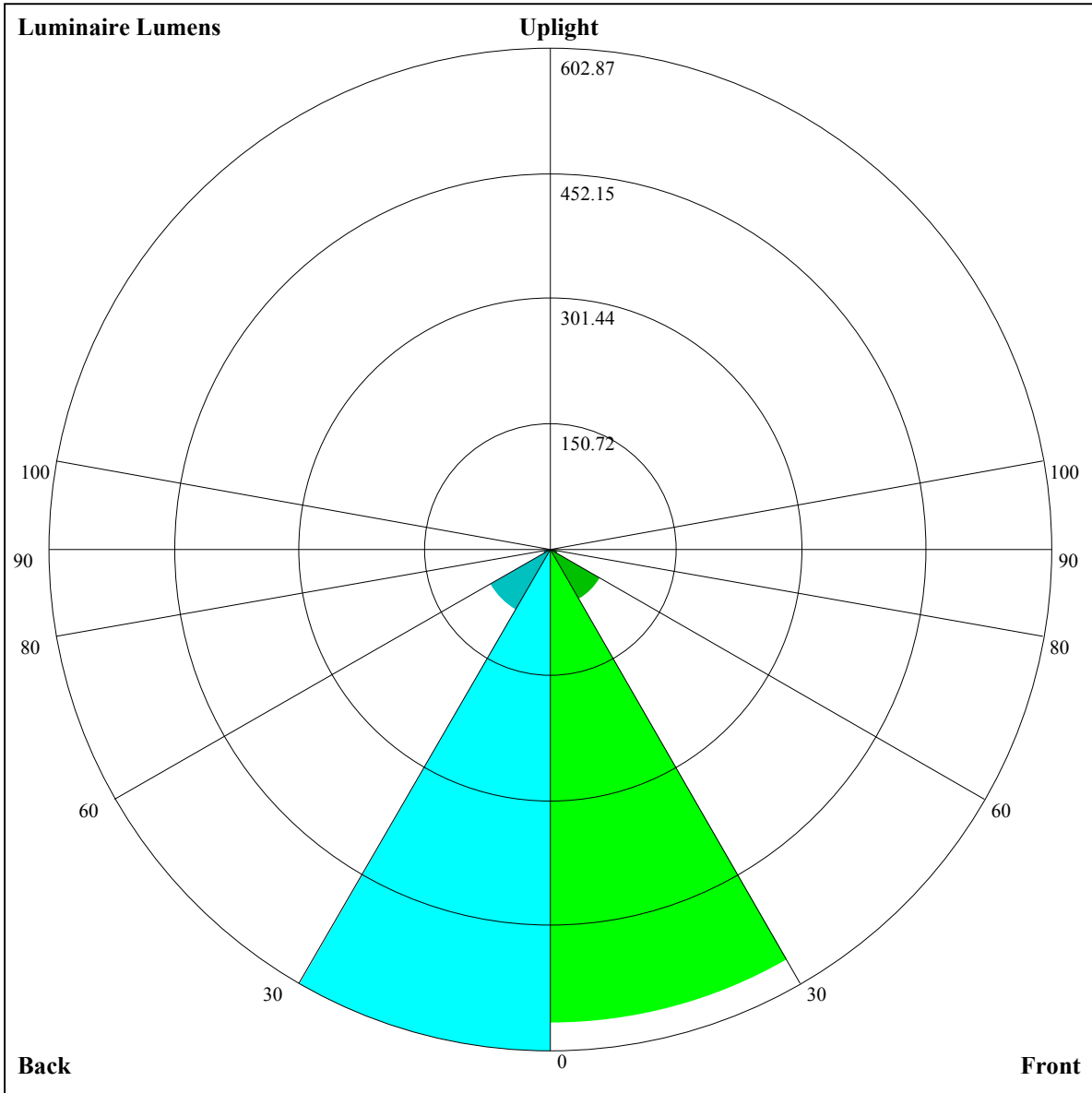
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.94	0.94	0.94	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.80	0.80	0.80	0.79
1	0.88	0.86	0.84	0.86	0.85	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.74
2	0.83	0.80	0.77	0.81	0.79	0.77	0.79	0.77	0.75	0.76	0.75	0.73	0.74	0.73	0.72	0.71
3	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.71	0.70	0.68	0.67
4	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.70	0.67	0.65	0.69	0.66	0.65	0.64
5	0.70	0.66	0.64	0.70	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
6	0.67	0.63	0.60	0.67	0.63	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.63	0.61	0.59	0.58
7	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
8	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51
10	0.56	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.54	0.52	0.50	0.49





Luminaire Lumens:

FL=570.26,FM=70.08,FH=8.89,FVH=3.42

BL=602.87,BM=83.95,BH=9.13,BVH=3.47

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	3139.79	3118.72	3100.58	3063.71	2997.58	2930.87	2857.13	2780.46	2660.49
45.0	3160.86	3156.18	3135.69	3112.29	3090.63	3026.84	2965.39	2895.17	2798.60
90.0	3163.20	3143.89	3119.31	3087.12	3046.74	2988.80	2905.12	2831.38	2744.76
135.0	3146.23	3164.96	3171.39	3144.47	3107.02	3066.64	3003.43	2933.79	2868.25
180.0	3139.79	3167.30	3169.05	3140.96	3094.14	3051.42	3000.51	2922.09	2848.35
225.0	3160.86	3143.30	3110.53	3076.00	3030.94	2964.22	2896.34	2819.67	2742.42
270.0	3163.20	3156.76	3131.60	3111.70	3074.83	3028.01	2973.00	2897.51	2805.04
315.0	3146.23	3122.23	3094.73	3060.79	3012.80	2929.69	2854.79	2769.93	2653.47
360.0	3139.79	3118.72	3100.58	3063.71	2997.58	2930.87	2857.13	2780.46	2660.49
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2558.66	2422.89	2305.85	2184.70	2027.28	1903.21	1782.65	1660.93	1521.06
45.0	2707.89	2612.50	2501.90	2390.12	2252.00	2127.35	2002.70	1845.27	1724.13
90.0	2652.30	2521.21	2405.92	2291.21	2170.66	2020.26	1897.94	1775.05	1628.74
135.0	2764.08	2679.22	2583.24	2479.66	2336.28	2222.74	2100.43	1982.22	1821.86
180.0	2769.93	2662.25	2561.00	2456.25	2317.55	2202.85	2080.53	1962.90	1810.74
225.0	2621.28	2518.28	2408.26	2287.70	2139.64	2020.26	1868.10	1742.86	1621.72
270.0	2714.92	2618.36	2479.66	2369.05	2245.57	2096.33	1969.93	1808.40	1690.77
315.0	2539.94	2428.74	2289.46	2169.49	2044.25	1883.90	1763.34	1642.79	1523.98
360.0	2558.66	2422.89	2305.85	2184.70	2027.28	1903.21	1782.65	1660.93	1521.06
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1409.87	1149.97	1149.97	1077.69	985.69	898.55	814.28	717.95	645.68
45.0	1581.92	1470.14	1363.05	1235.47	1138.91	1044.69	954.56	848.05	769.63
90.0	1518.13	1412.21	1158.34	1158.34	1087.52	975.57	890.30	810.89	735.98
135.0	1703.06	1591.29	1455.51	1350.76	1249.51	1126.03	1034.74	930.57	843.95
180.0	1692.53	1573.73	1460.78	1325.01	1223.18	1103.79	1011.91	931.15	826.40
225.0	1478.92	1296.33	1162.61	1162.61	1044.69	959.94	876.49	796.78	706.83
270.0	1567.29	1452.00	1317.40	1216.16	1121.93	1023.62	918.86	834.59	757.34
315.0	1385.29	1154.59	1154.59	1057.62	969.48	884.45	803.98	707.30	637.95
360.0	1409.87	1149.97	1149.97	1077.69	985.69	898.55	814.28	717.95	645.68
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	575.57	489.01	424.17	350.55	295.13	245.33	200.56	152.39	120.09
45.0	691.79	619.23	549.00	469.41	405.03	331.30	303.21	303.21	173.23
90.0	644.27	573.40	506.34	441.08	361.73	303.21	252.29	194.00	154.09
135.0	765.53	690.04	599.91	532.61	466.48	402.11	327.20	300.28	300.28
180.0	753.83	679.50	609.86	525.59	455.36	393.33	332.47	302.62	302.62
225.0	635.38	566.21	497.03	414.34	352.48	281.73	231.81	187.21	140.10
270.0	664.29	596.99	531.44	445.41	376.94	321.35	307.30	241.70	165.44
315.0	566.61	482.93	414.69	351.66	280.32	231.34	187.92	142.68	112.71
360.0	575.57	489.01	424.17	350.55	295.13	245.33	200.56	152.39	120.09
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	94.16	74.03	55.19	44.48	37.34	32.42	28.32	25.87	23.53
45.0	138.00	108.09	79.65	62.33	49.63	38.80	33.30	29.61	26.92
90.0	121.14	89.60	70.58	56.18	43.83	37.22	32.54	28.62	26.22
135.0	178.55	132.96	103.99	81.11	60.40	48.92	39.03	33.83	30.08
180.0	168.02	131.85	97.15	76.08	56.83	46.06	38.86	32.77	29.44
225.0	109.61	85.68	63.67	51.27	42.31	35.99	31.49	27.68	25.40
270.0	131.97	96.62	76.02	60.63	48.63	38.27	33.01	29.32	26.63
315.0	88.31	69.47	55.19	42.60	36.05	31.60	27.80	25.63	23.82
360.0	94.16	74.03	55.19	44.48	37.34	32.42	28.32	25.87	23.53

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	21.95	20.60	19.20	18.20	17.38	16.50	15.80	15.22	14.69
45.0	24.87	22.82	21.42	20.25	18.90	18.02	17.26	16.39	15.74
90.0	24.29	22.65	21.01	19.84	18.84	17.91	16.91	16.21	15.57
135.0	27.39	24.76	23.06	21.59	20.31	18.96	18.08	17.21	16.50
180.0	26.98	24.99	23.06	21.77	20.72	19.84	18.73	18.02	17.32
225.0	23.58	21.65	20.37	19.31	18.14	17.26	16.39	15.68	15.10
270.0	24.05	22.47	20.72	19.61	18.55	17.50	16.74	16.04	15.39
315.0	22.00	20.78	19.49	18.55	17.73	17.03	16.15	15.51	14.92
360.0	21.95	20.60	19.20	18.20	17.38	16.50	15.80	15.22	14.69
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.16	13.58	13.17	12.76	12.23	11.88	11.41	11.00	10.71
45.0	15.04	14.51	13.99	13.58	12.99	12.52	12.11	11.76	11.41
90.0	14.81	14.28	13.64	13.23	12.76	12.35	11.88	11.53	11.12
135.0	15.68	15.10	14.40	13.93	13.46	12.87	12.47	12.06	11.76
180.0	16.44	15.80	15.16	14.40	13.93	13.28	12.76	12.29	11.88
225.0	14.57	13.93	13.40	12.99	12.58	12.06	11.70	11.35	11.00
270.0	14.69	14.16	13.69	13.23	12.70	12.29	11.94	11.47	11.12
315.0	14.40	13.81	13.34	12.87	12.35	11.94	11.59	11.12	10.77
360.0	14.16	13.58	13.17	12.76	12.23	11.88	11.41	11.00	10.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.30	9.95	9.66	9.36	9.01	8.72	8.49	8.31	8.02
45.0	10.89	10.59	10.24	9.83	9.48	9.13	8.84	8.54	8.31
90.0	10.77	10.36	10.07	9.71	9.36	9.01	8.72	8.43	8.19
135.0	11.29	10.94	10.59	10.30	9.89	9.60	9.31	8.95	8.66
180.0	11.41	11.00	10.65	10.30	9.89	9.54	9.25	9.01	8.66
225.0	10.59	10.24	9.83	9.54	9.25	8.90	8.60	8.37	8.13
270.0	10.77	10.36	10.01	9.66	9.31	9.01	8.78	8.43	8.19
315.0	10.42	10.01	9.66	9.36	8.95	8.72	8.49	8.25	8.08
360.0	10.30	9.95	9.66	9.36	9.01	8.72	8.49	8.31	8.02
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.84	7.67	7.49	7.32	7.20	7.08	6.96	6.85	6.67
45.0	8.08	7.84	7.67	7.49	7.37	7.20	7.08	6.96	6.85
90.0	8.02	7.78	7.61	7.49	7.32	7.14	7.02	6.91	6.79
135.0	8.43	8.13	7.96	7.78	7.61	7.49	7.32	7.20	7.08
180.0	8.43	8.13	7.96	7.78	7.61	7.43	7.32	7.14	7.02
225.0	7.90	7.72	7.55	7.37	7.26	7.08	6.96	6.85	6.73
270.0	8.02	7.84	7.61	7.43	7.32	7.14	7.02	6.91	6.73
315.0	7.84	7.67	7.49	7.32	7.20	7.02	6.91	6.79	6.61
360.0	7.84	7.67	7.49	7.32	7.20	7.08	6.96	6.85	6.67
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.61	6.50	6.44	6.26	6.20	6.14	6.09	6.09	5.91
45.0	6.73	6.61	6.50	6.38	6.26	6.20	6.09	6.03	6.09
90.0	6.67	6.61	6.50	6.38	6.26	6.20	6.09	5.97	5.85
135.0	6.91	6.79	6.67	6.55	6.44	6.38	6.26	6.14	6.03
180.0	6.91	6.79	6.73	6.55	6.44	6.38	6.26	6.14	6.09
225.0	6.61	6.55	6.44	6.32	6.20	6.14	6.03	6.09	5.85
270.0	6.61	6.55	6.44	6.38	6.26	6.20	6.09	6.03	6.03
315.0	6.55	6.44	6.38	6.26	6.14	6.09	6.09	5.91	5.97
360.0	6.61	6.50	6.44	6.26	6.20	6.14	6.09	6.09	5.91

Intensity data(cd)

C/γ(°)	90.0
0.0	6.03
45.0	5.85
90.0	5.85
135.0	6.03
180.0	5.97
225.0	5.91
270.0	5.97
315.0	5.91
360.0	6.03