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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.412.00

Report No: 2024229-B001

Ballast type: AC

Test No: 2024229-C001

Voltage(V): 35.400

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.541

Lamp flux(lm): 2609.0

Power (W): 19.151

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2237.55, Efficiency(%): 85.76% , Luminous Efficacy(lm/W): 116.84

Central intensity(cd): 3803.436, Maximum intensity(cd): 3803.436

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=45.0

[C90/270]Total=45.0

Field angle(10%Imax): [C0/180]Total=70.0

[C90/270]Total=70.0

Maximum s/h(1/2): C0_180=0.72 C90_270=0.72

Maximum s/h(1/4): C0_180=0.71 C90_270=0.71

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.76%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.788%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/29
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	3803.436	0.000	0	0.00%	0.00%
1.0	3798.973	3.638	3.638	0.14%	0.16%
2.0	3788.000	10.890	14.527	0.42%	0.65%
3.0	3766.932	18.069	32.596	0.69%	1.46%
4.0	3742.207	25.135	57.732	0.96%	2.58%
5.0	3710.385	32.061	89.792	1.23%	4.01%
6.0	3669.200	38.782	128.574	1.49%	5.75%
7.0	3619.017	45.238	173.812	1.73%	7.77%
8.0	3561.445	51.389	225.201	1.97%	10.06%
9.0	3496.193	57.198	282.399	2.19%	12.62%
10.0	3419.455	62.584	344.983	2.40%	15.42%
11.0	3326.185	67.403	412.386	2.58%	18.43%
12.0	3238.547	71.762	484.148	2.75%	21.64%
13.0	3142.205	75.723	559.872	2.90%	25.02%
14.0	3031.231	79.019	638.891	3.03%	28.55%
15.0	2919.307	81.692	720.583	3.13%	32.20%
16.0	2796.995	83.760	804.342	3.21%	35.95%
17.0	2668.172	85.107	889.45	3.26%	39.75%
18.0	2540.813	85.885	975.335	3.29%	43.59%
19.0	2395.238	85.877	1061.212	3.29%	47.43%
20.0	2252.004	85.057	1146.269	3.26%	51.23%
21.0	2115.793	83.871	1230.14	3.21%	54.98%
22.0	1979.582	82.298	1312.438	3.15%	58.66%
23.0	1835.178	80.044	1392.482	3.07%	62.23%
24.0	1699.259	77.275	1469.758	2.96%	65.69%
25.0	1544.497	73.756	1543.514	2.83%	68.98%
26.0	1433.962	70.307	1613.82	2.69%	72.12%
27.0	1292.484	66.703	1680.524	2.56%	75.11%
28.0	1173.508	62.434	1742.957	2.39%	77.90%
29.0	1079.974	58.957	1801.915	2.26%	80.53%
30.0	956.792	54.992	1856.907	2.11%	82.99%
31.0	829.139	49.700	1906.607	1.90%	85.21%
32.0	702.577	43.882	1950.489	1.68%	87.17%
33.0	588.005	38.021	1988.51	1.46%	88.87%
34.0	482.979	32.411	2020.921	1.24%	90.32%
35.0	378.092	26.742	2047.663	1.02%	91.51%
36.0	304.588	21.737	2069.399	0.83%	92.49%
37.0	242.437	17.841	2087.24	0.68%	93.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	173.548	13.885	2101.125	0.53%	93.90%
39.0	138.647	10.656	2111.781	0.41%	94.38%
40.0	89.144	7.945	2119.726	0.30%	94.73%
41.0	74.514	5.828	2125.554	0.22%	94.99%
42.0	66.013	5.106	2130.659	0.20%	95.22%
43.0	59.773	4.660	2135.319	0.18%	95.43%
44.0	54.148	4.300	2139.618	0.16%	95.62%
45.0	50.000	4.003	2143.621	0.15%	95.80%
46.0	46.796	3.785	2147.406	0.15%	95.97%
47.0	43.965	3.610	2151.016	0.14%	96.13%
48.0	41.602	3.459	2154.475	0.13%	96.29%
49.0	39.437	3.328	2157.803	0.13%	96.44%
50.0	37.447	3.206	2161.009	0.12%	96.58%
51.0	35.735	3.096	2164.105	0.12%	96.72%
52.0	34.053	2.995	2167.1	0.11%	96.85%
53.0	32.495	2.895	2169.994	0.11%	96.98%
54.0	31.171	2.806	2172.801	0.11%	97.11%
55.0	29.920	2.727	2175.527	0.10%	97.23%
56.0	28.800	2.653	2178.181	0.10%	97.35%
57.0	27.630	2.580	2180.761	0.10%	97.46%
58.0	26.547	2.505	2183.266	0.10%	97.57%
59.0	25.516	2.434	2185.7	0.09%	97.68%
60.0	24.426	2.359	2188.06	0.09%	97.79%
61.0	23.255	2.275	2190.335	0.09%	97.89%
62.0	22.180	2.189	2192.525	0.08%	97.99%
63.0	21.178	2.109	2194.633	0.08%	98.08%
64.0	20.154	2.028	2196.661	0.08%	98.17%
65.0	19.269	1.951	2198.612	0.07%	98.26%
66.0	18.427	1.881	2200.493	0.07%	98.34%
67.0	17.718	1.817	2202.311	0.07%	98.43%
68.0	17.118	1.765	2204.075	0.07%	98.50%
69.0	16.679	1.724	2205.799	0.07%	98.58%
70.0	16.394	1.699	2207.498	0.07%	98.66%
71.0	16.291	1.689	2209.187	0.06%	98.73%
72.0	16.291	1.694	2210.881	0.06%	98.81%
73.0	16.306	1.705	2212.586	0.07%	98.88%
74.0	16.342	1.716	2214.302	0.07%	98.96%
75.0	16.328	1.726	2216.029	0.07%	99.04%

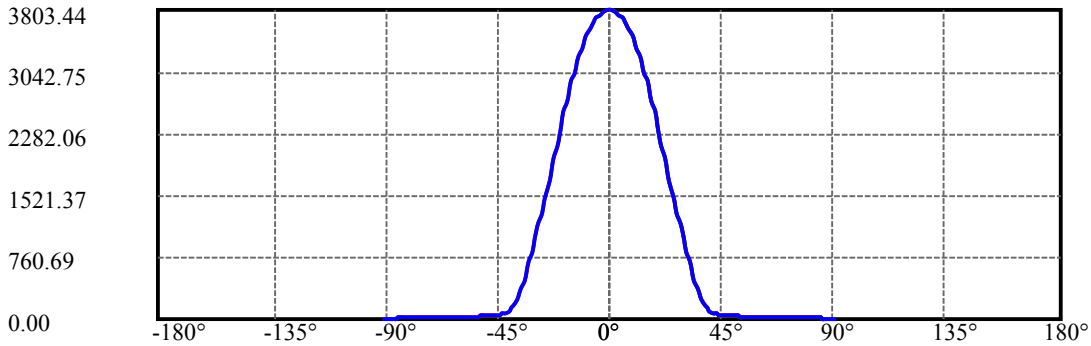
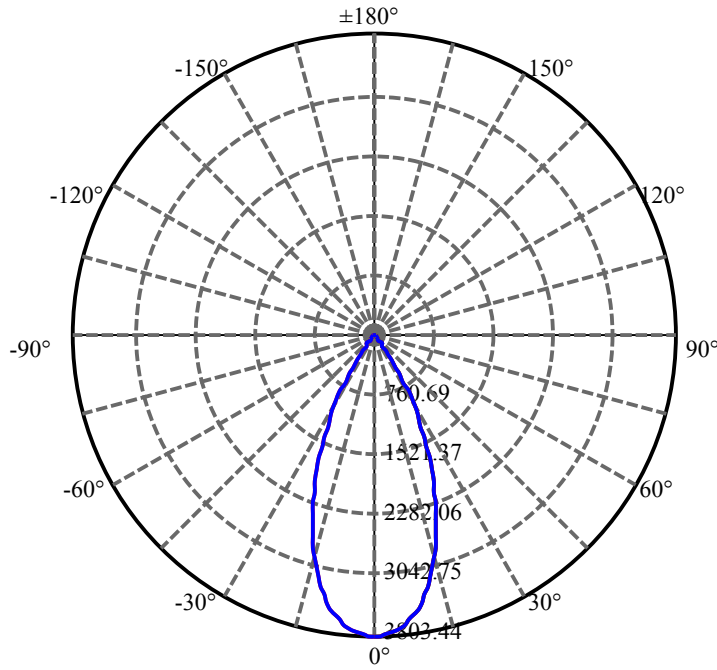
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.233	1.728	2217.757	0.07%	99.12%
77.0	16.108	1.724	2219.481	0.07%	99.19%
78.0	15.918	1.714	2221.196	0.07%	99.27%
79.0	15.626	1.695	2222.891	0.06%	99.34%
80.0	15.209	1.662	2224.553	0.06%	99.42%
81.0	14.704	1.618	2226.17	0.06%	99.49%
82.0	14.053	1.559	2227.73	0.06%	99.56%
83.0	13.160	1.479	2229.209	0.06%	99.63%
84.0	12.304	1.387	2230.597	0.05%	99.69%
85.0	11.485	1.298	2231.895	0.05%	99.75%
86.0	10.863	1.222	2233.116	0.05%	99.80%
87.0	10.329	1.160	2234.276	0.04%	99.85%
88.0	9.993	1.113	2235.389	0.04%	99.90%
89.0	9.839	1.087	2236.477	0.04%	99.95%
90.0	9.729	1.073	2237.549	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1856.91	71.17%	82.99%
0-40	2119.73	81.25%	94.73%
0-60	2188.06	83.86%	97.79%
0-90	2236.48	85.72%	99.95%
0-120	2236.48	85.72%	99.95%
0-180	2237.55	85.76%	100.00%
60-90	48.42	1.86%	2.16%
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%
0-28.80	1790.04	68.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	344.98
10-20	801.29
20-30	710.64
30-40	262.82
40-50	41.28
50-60	27.05
60-70	19.44
70-80	17.05
80-90	11.92
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: —————

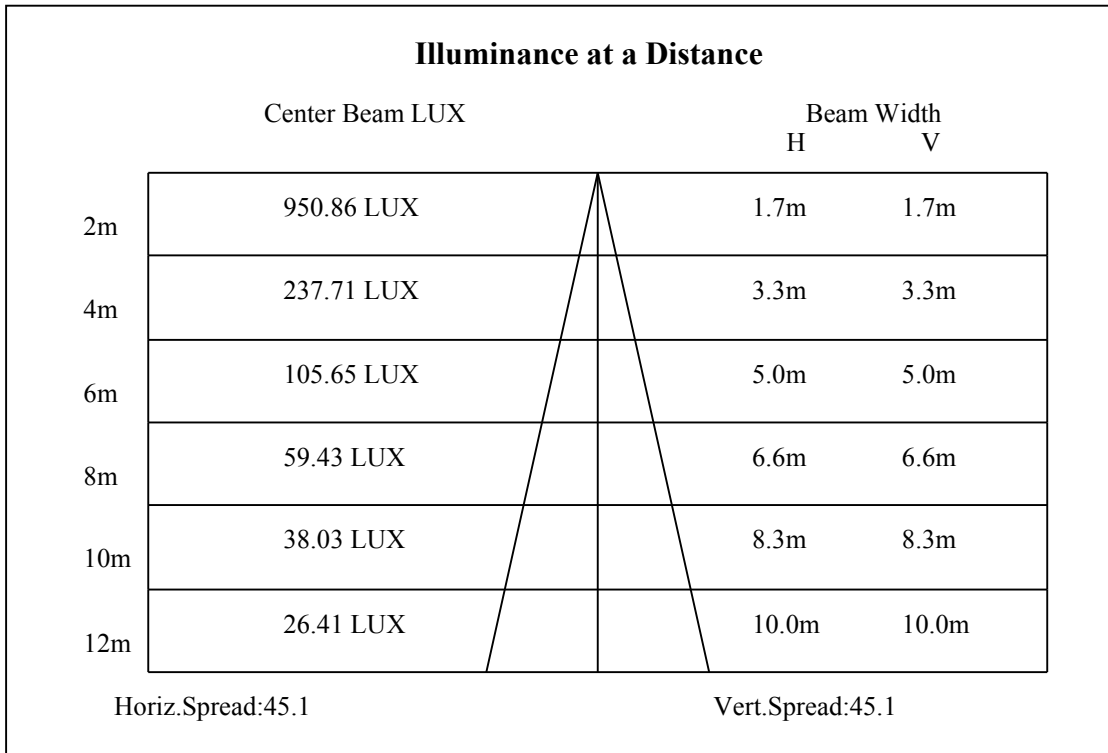
C90/C270: —————

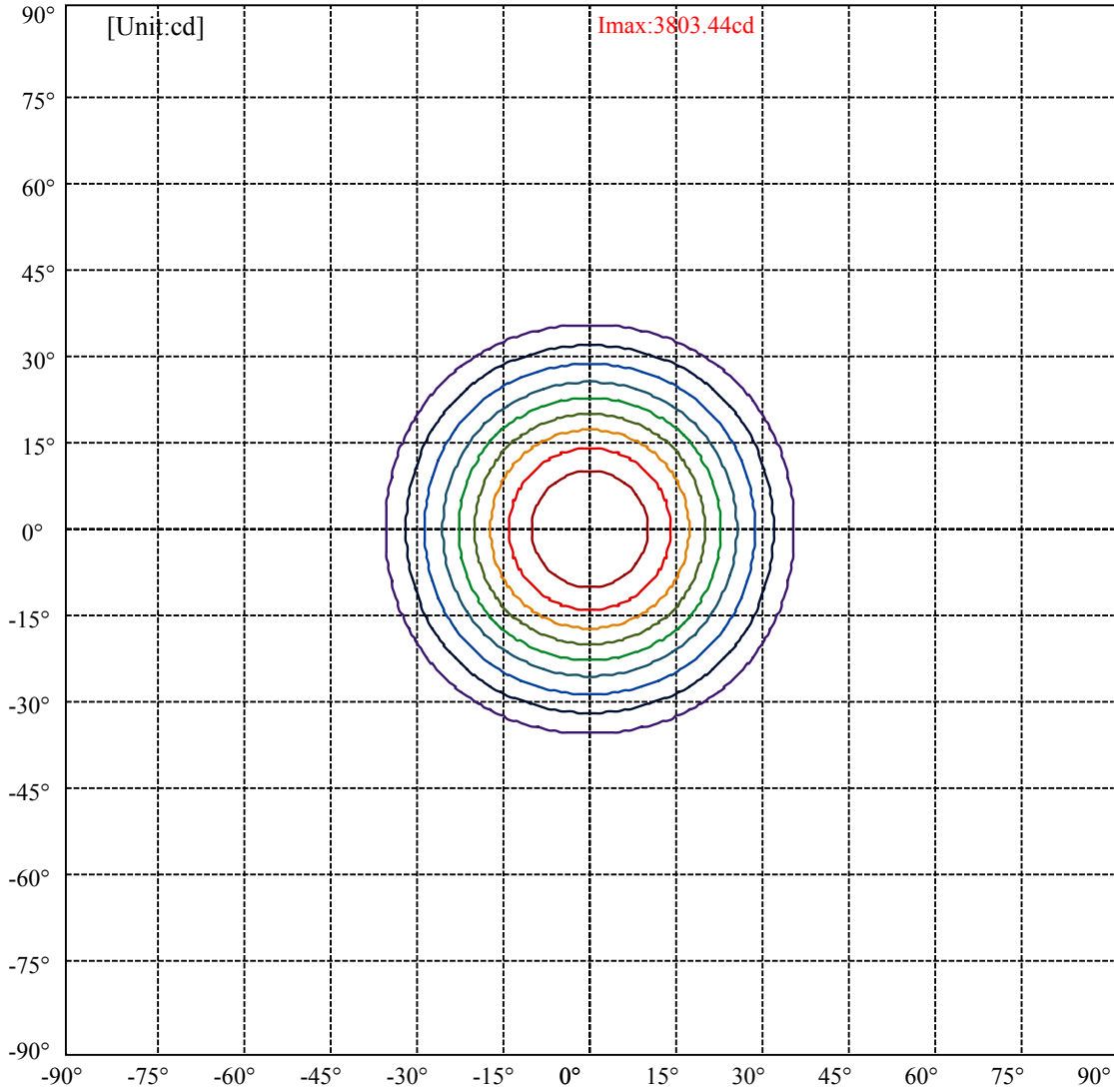
Field angle(10%Imax):C0/180Left:35.0 Right:35.0

:C90/270Left:35.0 Right:35.0

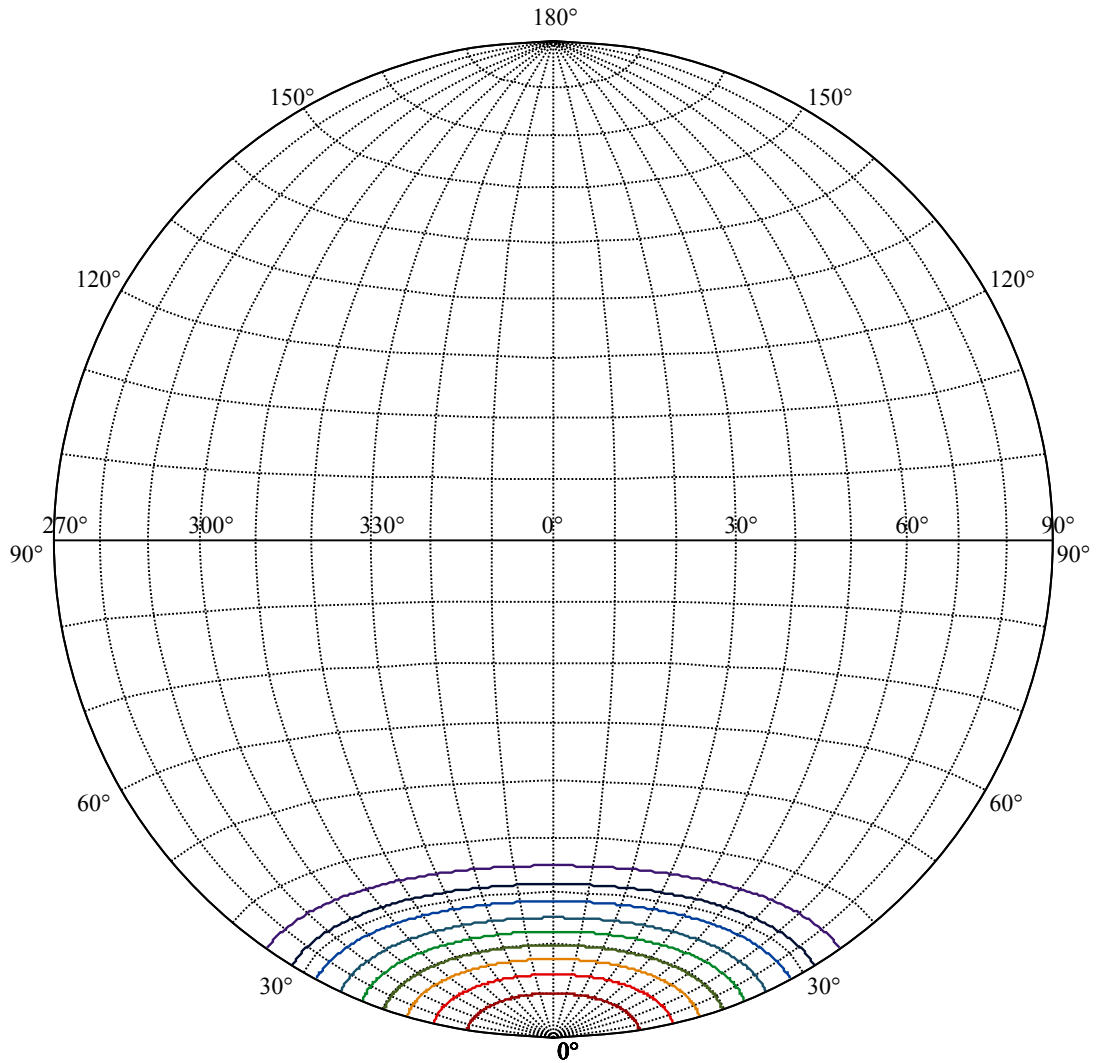
Beam Angle(50%Imax):C0/180Left:22.5 Right:22.5

:C90/270Left:22.5 Right:22.5





(10%Imax) 380.344	—
(20%Imax) 760.687	—
(30%Imax) 1141.03	—
(40%Imax) 1521.37	—
(50%Imax) 1901.72	—
(60%Imax) 2282.06	—
(70%Imax) 2662.41	—
(80%Imax) 3042.75	—
(90%Imax) 3423.09	—



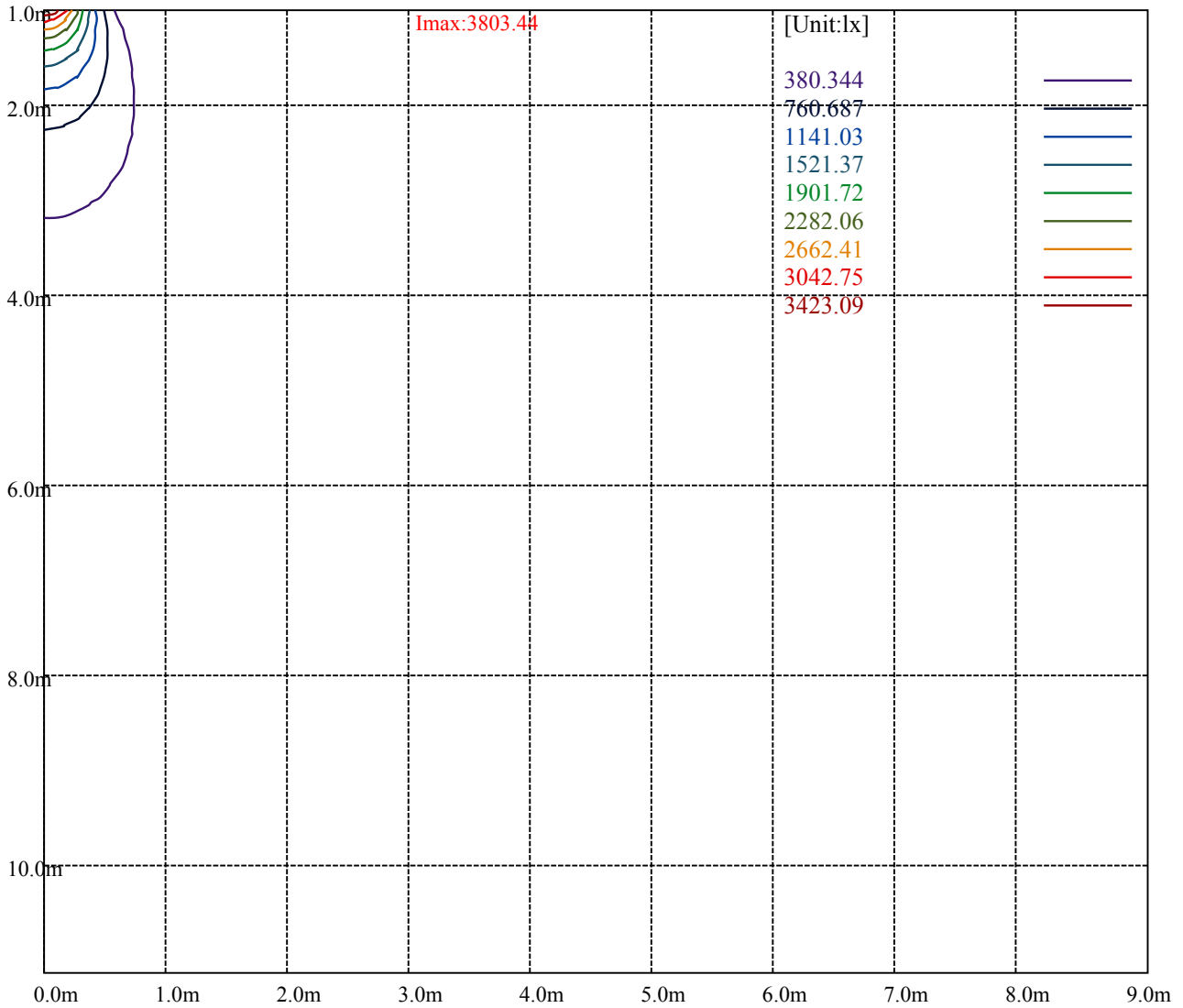
House

[Unit:cd]

Road

Imax:3803.44

(10%Imax)	380.344	—
(20%Imax)	760.687	—
(30%Imax)	1141.03	—
(40%Imax)	1521.37	—
(50%Imax)	1901.72	—
(60%Imax)	2282.06	—
(70%Imax)	2662.41	—
(80%Imax)	3042.75	—
(90%Imax)	3423.09	—



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

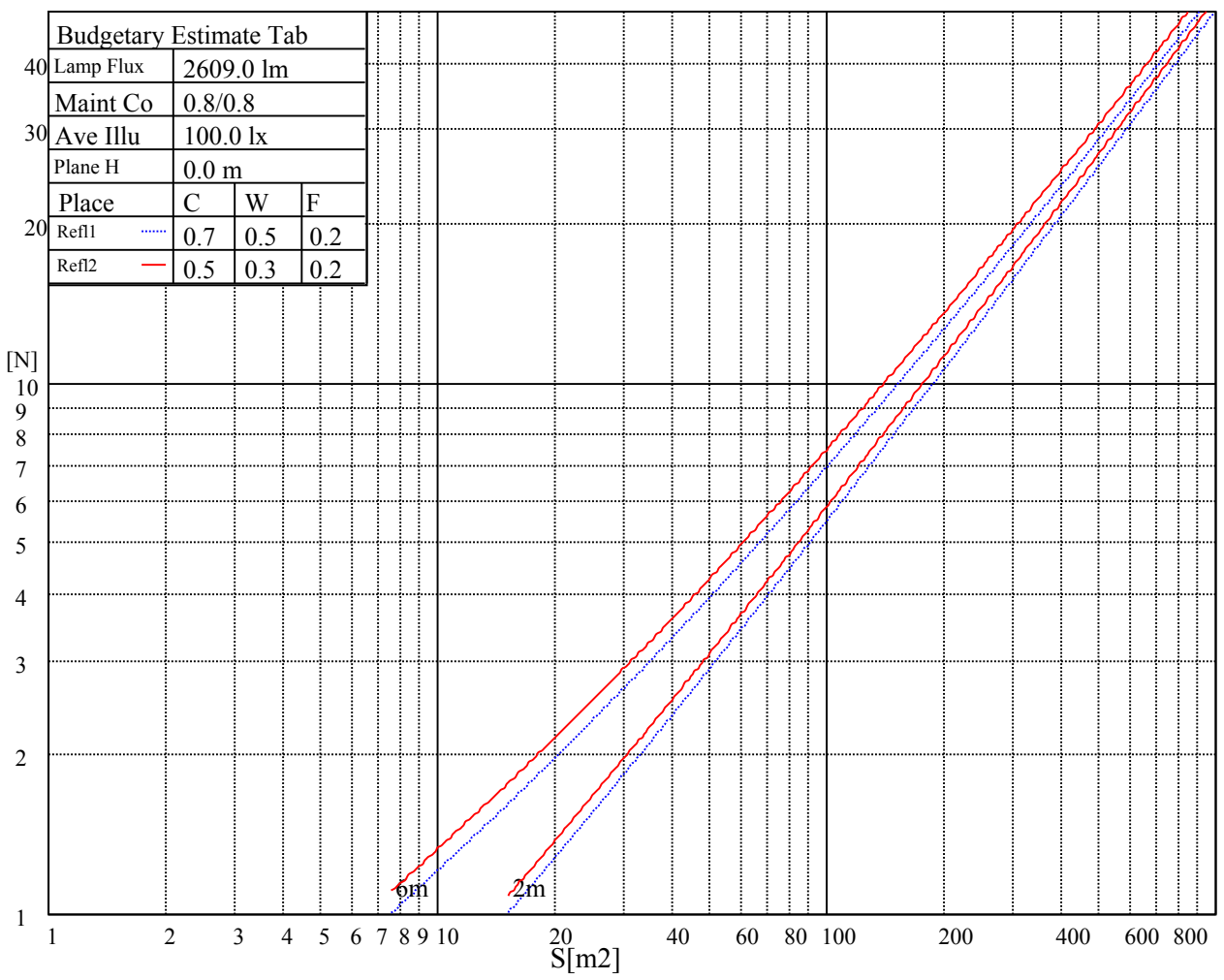
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

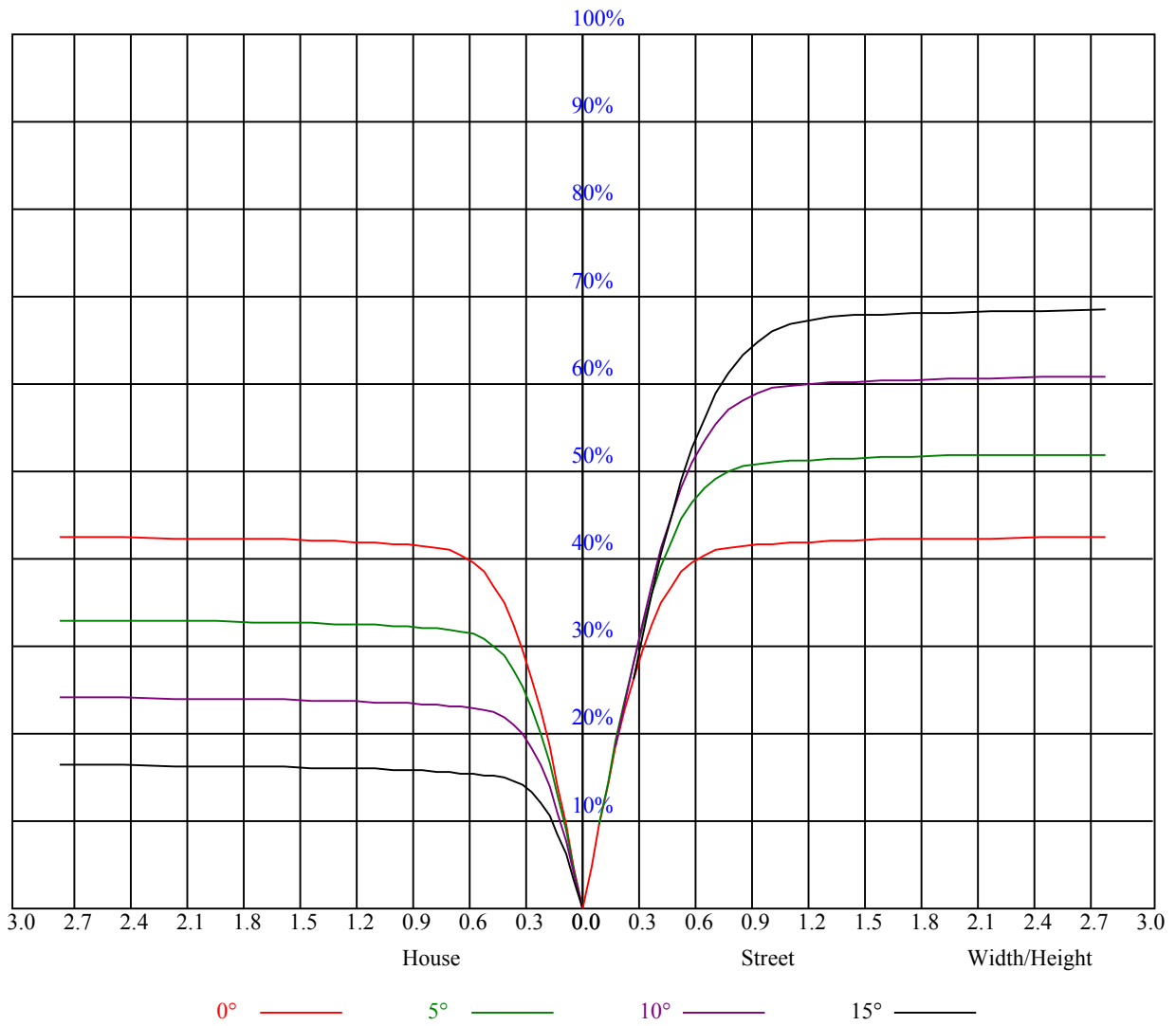


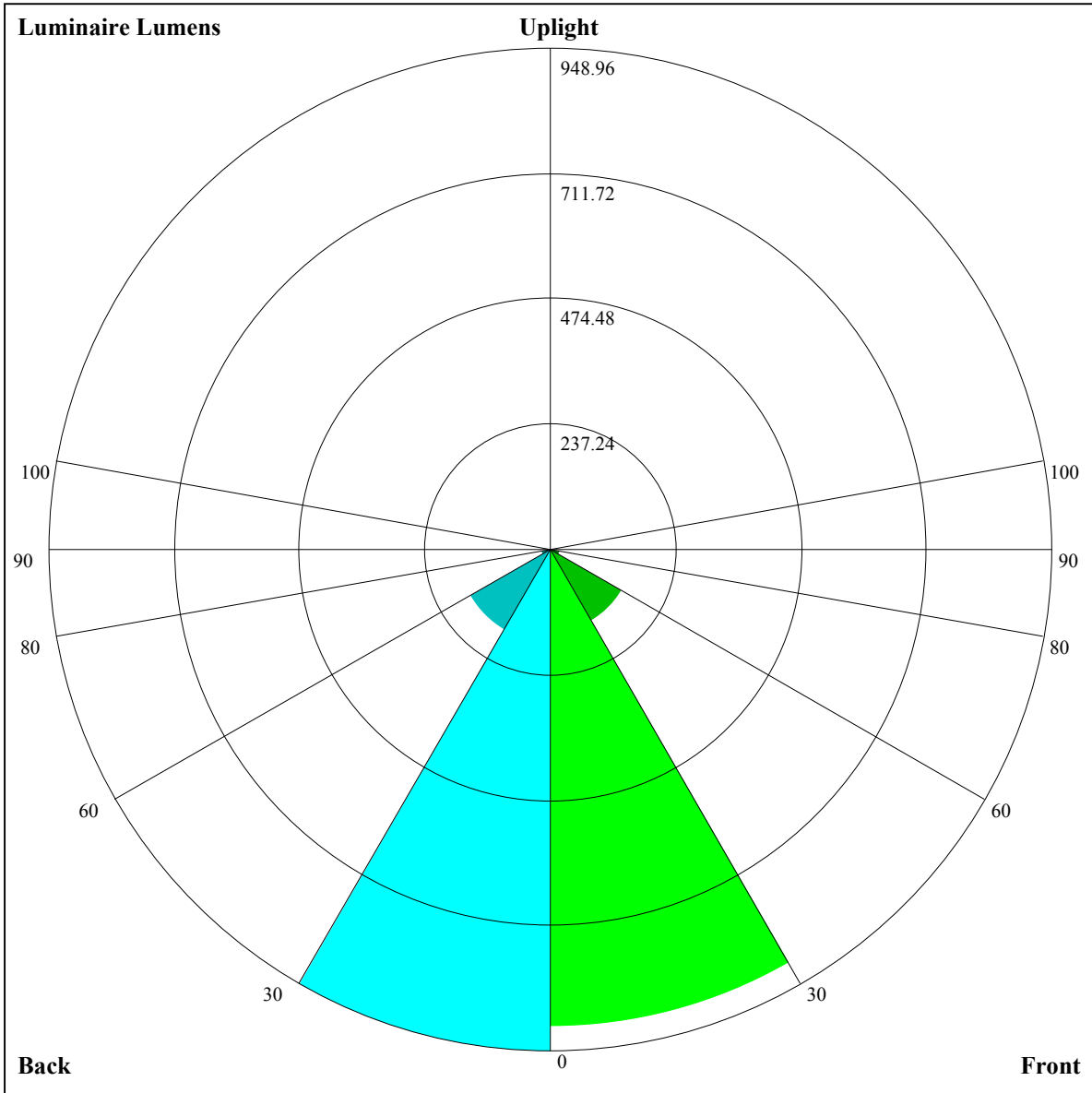
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
4H	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	
	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	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	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	1.02	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	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.80
2	0.89	0.86	0.83	0.88	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.49





Luminaire Lumens:

FL=903.15,FM=154.55,FH=18.16,FVH=6.4

BL=948.96,BM=177.69,BH=18.38,BVH=6.6

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	3799.34	3774.76	3753.11	3714.48	3678.78	3636.65	3587.49	3513.75	3445.28
45.0	3808.12	3795.83	3780.61	3751.94	3722.09	3684.05	3640.16	3577.54	3521.36
90.0	3796.41	3779.44	3752.52	3724.43	3688.73	3650.69	3588.66	3533.06	3464.59
135.0	3809.87	3802.85	3790.56	3772.42	3744.33	3711.56	3674.69	3631.38	3563.49
180.0	3799.34	3808.70	3812.21	3803.44	3791.73	3770.66	3744.91	3704.53	3667.66
225.0	3808.12	3814.56	3802.85	3791.73	3772.42	3742.57	3706.29	3665.32	3598.61
270.0	3796.41	3807.53	3812.80	3804.02	3789.98	3768.91	3740.23	3698.10	3654.79
315.0	3809.87	3808.12	3799.34	3773.00	3749.60	3717.99	3671.17	3628.45	3575.78
360.0	3799.34	3774.76	3753.11	3714.48	3678.78	3636.65	3587.49	3513.75	3445.28
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3367.44	3283.76	3168.47	3072.49	2971.83	2834.89	2719.60	2591.43	2430.50
45.0	3452.89	3359.84	3279.07	3167.30	3069.56	2970.08	2857.13	2710.82	2584.41
90.0	3390.27	3284.34	3188.36	3092.39	2966.56	2855.37	2710.24	2583.24	2457.42
135.0	3502.63	3430.65	3331.16	3245.13	3149.74	3029.18	2920.33	2772.27	2651.13
180.0	3619.09	3565.83	3483.32	3414.85	3329.99	3214.70	3121.65	3025.09	2893.41
225.0	3538.33	3471.03	3371.54	3291.36	3202.41	3113.46	2989.97	2881.71	2768.76
270.0	3603.29	3537.74	3449.37	3372.71	3282.00	3190.71	3092.97	2975.93	2872.34
315.0	3495.61	3422.45	3338.18	3252.15	3165.54	3041.47	2942.57	2835.47	2687.41
360.0	3367.44	3283.76	3168.47	3072.49	2971.83	2834.89	2719.60	2591.43	2430.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2299.99	2132.03	1997.43	1869.85	1748.13	1628.74	1485.36	1156.70	1156.70
45.0	2458.00	2327.50	2159.54	2026.11	1899.11	1749.30	1634.59	1520.47	1376.51
90.0	2329.84	2162.46	2029.03	1902.62	1782.07	1631.08	1516.38	1321.50	1165.24
135.0	2526.47	2394.80	2225.67	2089.90	1957.05	1829.47	1680.82	1560.27	1443.81
180.0	2775.78	2621.28	2498.97	2369.63	2227.42	2053.61	1923.11	1797.87	1674.97
225.0	2648.20	2488.44	2356.76	2219.82	2051.86	1916.67	1761.59	1644.54	1532.18
270.0	2723.11	2599.63	2480.24	2312.28	2169.49	2031.37	1869.27	1749.30	1630.50
315.0	2565.10	2435.76	2268.39	2136.13	2001.53	1841.18	1722.96	1605.33	1491.80
360.0	2299.99	2132.03	1997.43	1869.85	1748.13	1628.74	1485.36	1156.70	1156.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1126.85	979.67	867.89	756.70	644.04	507.86	407.90	295.60	221.62
45.0	1257.12	1109.06	992.60	879.65	766.70	630.93	525.01	428.44	338.90
90.0	1135.92	1016.71	901.13	756.23	640.76	508.74	410.30	320.24	222.27
135.0	1297.50	1176.36	1064.00	921.79	803.57	688.87	550.17	445.41	349.44
180.0	1533.93	1419.23	1302.77	1182.80	1033.57	914.77	769.63	654.93	546.07
225.0	1305.70	1146.40	1146.40	1028.83	881.29	767.23	660.72	555.20	433.01
270.0	1515.79	1373.58	1255.95	1136.57	1016.01	868.53	755.58	645.56	519.15
315.0	1167.06	1167.06	1109.06	991.78	847.17	733.70	624.73	518.45	394.27
360.0	1126.85	979.67	867.89	756.70	644.04	507.86	407.90	295.60	221.62
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	161.05	109.03	88.19	77.89	67.89	61.62	56.36	52.20	47.99
45.0	297.35	297.35	119.27	93.93	78.89	71.16	64.43	57.35	53.20
90.0	160.18	114.59	90.42	77.31	69.88	63.67	57.47	53.31	48.98
135.0	304.96	304.96	124.36	95.22	80.59	70.70	64.08	58.64	53.08
180.0	443.07	326.61	305.55	305.55	116.64	90.53	77.72	70.05	61.98
225.0	343.94	263.00	193.94	126.94	93.69	78.42	68.76	62.38	54.89
270.0	422.01	313.74	313.74	221.92	122.72	86.91	73.74	65.90	59.52
315.0	304.14	210.21	152.92	110.43	82.87	73.09	65.55	58.35	53.55
360.0	161.05	109.03	88.19	77.89	67.89	61.62	56.36	52.20	47.99

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	45.24	42.78	40.73	38.39	36.64	34.59	33.12	31.84	30.37
45.0	48.92	46.00	43.54	41.26	38.74	36.87	35.23	33.59	31.84
90.0	46.17	43.31	41.32	39.39	37.10	35.46	33.88	32.13	30.90
135.0	49.45	46.58	43.42	41.32	39.27	36.99	35.29	33.77	32.30
180.0	56.12	51.85	47.87	45.24	43.01	40.56	38.68	36.93	34.88
225.0	50.62	47.46	44.77	41.96	40.15	38.27	36.58	34.65	33.18
270.0	53.55	49.69	46.58	43.95	41.20	39.27	37.51	35.52	33.94
315.0	49.92	46.70	43.48	41.32	39.39	37.57	35.58	34.00	32.54
360.0	45.24	42.78	40.73	38.39	36.64	34.59	33.12	31.84	30.37
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.32	28.27	27.21	25.93	24.87	23.94	22.82	21.59	20.60
45.0	30.61	29.50	28.50	27.15	26.10	24.87	23.76	22.59	21.30
90.0	29.85	28.73	27.39	26.28	25.28	24.17	22.82	21.77	20.83
135.0	30.84	29.61	28.68	27.62	26.22	25.22	24.23	22.82	21.77
180.0	33.30	31.95	30.72	29.32	28.32	27.39	26.28	24.99	23.99
225.0	31.89	30.37	29.26	28.32	27.15	26.10	25.11	23.88	22.82
270.0	32.60	31.02	29.96	28.73	27.74	26.74	25.87	24.87	23.64
315.0	30.96	29.90	28.68	27.68	26.69	25.69	24.52	23.53	22.47
360.0	29.32	28.27	27.21	25.93	24.87	23.94	22.82	21.59	20.60
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.72	18.73	18.08	17.50	16.74	16.39	16.33	16.39	16.50
45.0	20.37	19.49	18.79	17.85	17.32	16.68	16.39	16.27	16.21
90.0	19.72	18.90	18.02	17.44	16.68	16.39	16.27	16.15	16.21
135.0	20.83	19.66	18.84	17.97	17.32	16.68	16.33	16.09	16.04
180.0	22.94	21.59	20.60	19.43	18.67	17.97	17.15	16.50	16.15
225.0	21.77	20.83	19.72	18.96	18.26	17.50	16.85	16.44	16.33
270.0	22.59	21.65	20.66	19.55	18.79	17.97	17.38	16.80	16.44
315.0	21.48	20.37	19.43	18.73	17.97	17.38	16.74	16.50	16.44
360.0	19.72	18.73	18.08	17.50	16.74	16.39	16.33	16.39	16.50
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.56	16.56	16.56	16.50	16.44	16.21	15.86	15.39	14.69
45.0	16.27	16.27	16.33	16.21	16.09	15.98	15.74	15.33	14.86
90.0	16.27	16.27	16.15	16.09	15.92	15.63	15.33	14.81	14.10
135.0	16.09	16.09	16.09	16.04	15.92	15.80	15.63	15.39	14.86
180.0	16.04	15.98	16.04	16.09	16.04	16.04	15.98	15.80	15.57
225.0	16.33	16.33	16.44	16.39	16.33	16.21	16.04	15.80	15.63
270.0	16.33	16.39	16.44	16.62	16.56	16.56	16.44	16.27	16.04
315.0	16.44	16.56	16.68	16.68	16.56	16.44	16.33	16.21	15.92
360.0	16.56	16.56	16.56	16.50	16.44	16.21	15.86	15.39	14.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	12.70	11.70	10.94	10.48	10.18	9.95	9.71	9.71
45.0	14.28	13.58	12.47	11.59	10.89	10.42	10.12	9.77	9.60
90.0	13.58	12.82	11.82	11.18	10.71	10.42	9.89	9.66	9.71
135.0	14.28	13.81	12.70	11.94	11.24	10.83	10.30	9.83	9.60
180.0	15.27	14.98	14.46	13.87	12.70	11.76	10.83	10.42	10.18
225.0	15.22	14.63	14.05	12.82	11.88	11.12	10.53	10.18	9.95
270.0	15.74	15.33	14.40	13.58	12.41	11.47	10.71	10.30	10.12
315.0	15.33	14.57	13.69	12.52	11.59	10.71	10.30	10.07	9.83
360.0	13.93	12.70	11.70	10.94	10.48	10.18	9.95	9.71	9.71

Intensity data(cd)

C/ γ (°)	90.0
0.0	9.71
45.0	9.60
90.0	9.77
135.0	9.71
180.0	9.89
225.0	9.71
270.0	9.83
315.0	9.60
360.0	9.71