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NT

Client:

LumCAT: 2-2569-L

Luminaire: 92.70.412.00

Report No: 2024806-B009

Ballast type: AC

Test No: 2024806-C009

Voltage(V): 34.920

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.450

Lamp flux(lm): 2571.0

Power (W): 15.714

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2358.13, Efficiency(%): 91.72% , Luminous Efficacy(lm/W): 150.07

Central intensity(cd): 3900.876, Maximum intensity(cd): 3900.876

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=46.2

[C90/270]Total=46.2

Field angle(10%Imax): [C0/180]Total=71.8

[C90/270]Total=71.8

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

Maximum s/h(1/4): C0_180=0.72 C90_270=0.72

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.72%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.977%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
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	3900.876	0.000	0	0.00%	0.00%
1.0	3895.901	3.731	3.731	0.15%	0.16%
2.0	3884.197	11.167	14.897	0.43%	0.63%
3.0	3861.593	18.525	33.423	0.72%	1.42%
4.0	3828.235	25.740	59.163	1.00%	2.51%
5.0	3773.443	32.702	91.865	1.27%	3.90%
6.0	3721.139	39.386	131.251	1.53%	5.57%
7.0	3648.644	45.744	176.995	1.78%	7.51%
8.0	3571.321	51.672	228.667	2.01%	9.70%
9.0	3478.782	57.137	285.804	2.22%	12.12%
10.0	3383.903	62.105	347.909	2.42%	14.75%
11.0	3290.340	66.689	414.599	2.59%	17.58%
12.0	3181.634	70.748	485.346	2.75%	20.58%
13.0	3067.442	74.161	559.507	2.88%	23.73%
14.0	2966.345	77.232	636.739	3.00%	27.00%
15.0	2862.101	80.016	716.755	3.11%	30.40%
16.0	2751.640	82.257	799.012	3.20%	33.88%
17.0	2635.400	83.891	882.902	3.26%	37.44%
18.0	2525.451	85.091	967.994	3.31%	41.05%
19.0	2421.866	86.073	1054.067	3.35%	44.70%
20.0	2312.795	86.657	1140.724	3.37%	48.37%
21.0	2195.018	86.559	1227.283	3.37%	52.04%
22.0	2071.243	85.732	1313.016	3.33%	55.68%
23.0	1958.880	84.563	1397.579	3.29%	59.27%
24.0	1839.421	83.044	1480.623	3.23%	62.79%
25.0	1717.255	80.871	1561.494	3.15%	66.22%
26.0	1589.383	78.054	1639.548	3.04%	69.53%
27.0	1388.966	72.866	1712.414	2.83%	72.62%
28.0	1290.077	67.828	1780.241	2.64%	75.49%
29.0	1203.654	65.243	1845.484	2.54%	78.26%
30.0	1079.265	61.638	1907.123	2.40%	80.87%
31.0	948.430	56.428	1963.551	2.19%	83.27%
32.0	819.344	50.645	2014.195	1.97%	85.41%
33.0	693.521	44.570	2058.765	1.73%	87.30%
34.0	574.413	38.371	2097.136	1.49%	88.93%
35.0	475.664	32.611	2129.748	1.27%	90.32%
36.0	383.703	27.362	2157.11	1.06%	91.48%
37.0	309.152	22.597	2179.707	0.88%	92.43%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	251.478	18.713	2198.42	0.73%	93.23%
39.0	228.764	16.392	2214.812	0.64%	93.92%
40.0	156.072	13.422	2228.234	0.52%	94.49%
41.0	123.322	9.949	2238.183	0.39%	94.91%
42.0	100.564	8.134	2246.317	0.32%	95.26%
43.0	84.697	6.863	2253.18	0.27%	95.55%
44.0	73.138	5.957	2259.137	0.23%	95.80%
45.0	63.694	5.259	2264.396	0.20%	96.03%
46.0	56.394	4.696	2269.092	0.18%	96.22%
47.0	50.958	4.270	2273.362	0.17%	96.41%
48.0	46.291	3.931	2277.293	0.15%	96.57%
49.0	42.304	3.638	2280.931	0.14%	96.73%
50.0	38.939	3.387	2284.319	0.13%	96.87%
51.0	36.072	3.174	2287.492	0.12%	97.00%
52.0	33.731	2.995	2290.488	0.12%	97.13%
53.0	31.668	2.845	2293.332	0.11%	97.25%
54.0	29.993	2.718	2296.05	0.11%	97.37%
55.0	28.376	2.605	2298.656	0.10%	97.48%
56.0	27.111	2.507	2301.163	0.10%	97.58%
57.0	25.940	2.426	2303.589	0.09%	97.69%
58.0	24.872	2.350	2305.938	0.09%	97.79%
59.0	23.899	2.280	2308.218	0.09%	97.88%
60.0	23.080	2.219	2310.438	0.09%	97.98%
61.0	22.334	2.167	2312.605	0.08%	98.07%
62.0	21.587	2.116	2314.721	0.08%	98.16%
63.0	20.944	2.069	2316.79	0.08%	98.25%
64.0	20.315	2.025	2318.814	0.08%	98.33%
65.0	19.744	1.982	2320.797	0.08%	98.42%
66.0	19.166	1.941	2322.738	0.08%	98.50%
67.0	18.632	1.901	2324.639	0.07%	98.58%
68.0	18.113	1.861	2326.5	0.07%	98.66%
69.0	17.615	1.823	2328.323	0.07%	98.74%
70.0	17.147	1.785	2330.108	0.07%	98.81%
71.0	16.650	1.747	2331.855	0.07%	98.89%
72.0	16.181	1.707	2333.562	0.07%	98.96%
73.0	15.743	1.669	2335.232	0.06%	99.03%
74.0	15.326	1.633	2336.865	0.06%	99.10%
75.0	14.872	1.596	2338.46	0.06%	99.17%

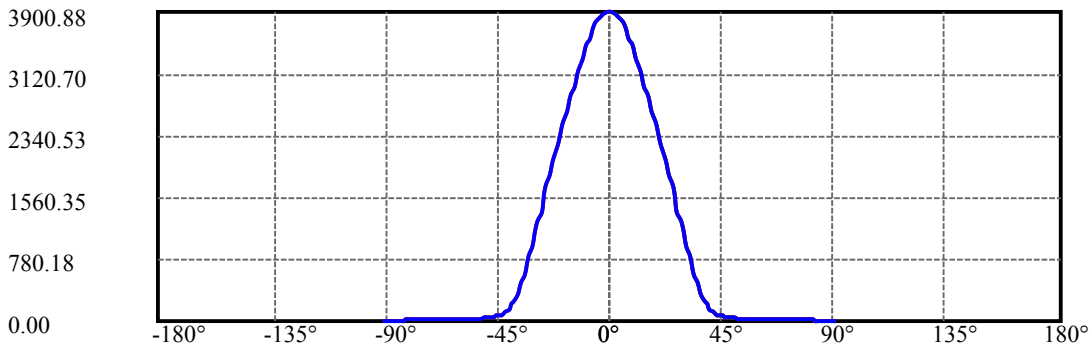
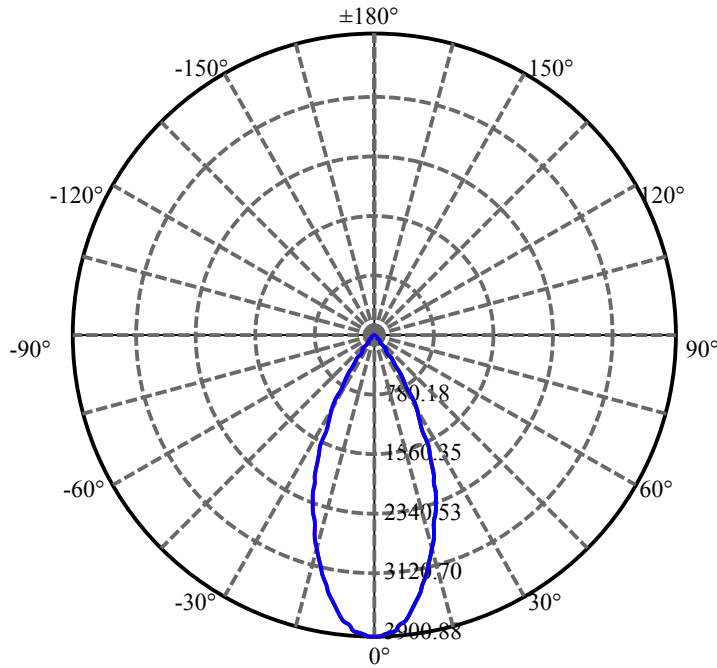
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.470	1.558	2340.018	0.06%	99.23%
77.0	14.053	1.521	2341.539	0.06%	99.30%
78.0	13.636	1.482	2343.021	0.06%	99.36%
79.0	13.248	1.444	2344.465	0.06%	99.42%
80.0	12.868	1.408	2345.873	0.05%	99.48%
81.0	12.465	1.370	2347.243	0.05%	99.54%
82.0	12.092	1.332	2348.575	0.05%	99.59%
83.0	11.756	1.296	2349.871	0.05%	99.65%
84.0	11.434	1.263	2351.135	0.05%	99.70%
85.0	11.127	1.231	2352.366	0.05%	99.76%
86.0	10.819	1.200	2353.566	0.05%	99.81%
87.0	10.615	1.173	2354.739	0.05%	99.86%
88.0	10.402	1.151	2355.89	0.04%	99.90%
89.0	10.198	1.129	2357.019	0.04%	99.95%
90.0	10.088	1.112	2358.131	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1907.12	74.18%	80.87%
0-40	2228.23	86.67%	94.49%
0-60	2310.44	89.87%	97.98%
0-90	2357.02	91.68%	99.95%
0-120	2357.02	91.68%	99.95%
0-180	2358.13	91.72%	100.00%
60-90	46.58	1.81%	1.98%
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%
0-29.67	1886.51	73.38%	80.00%

ZONAL LUMEN SUMMARY

0-10	347.91
10-20	792.82
20-30	766.40
30-40	321.11
40-50	56.08
50-60	26.12
60-70	19.67
70-80	15.77
80-90	11.15
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



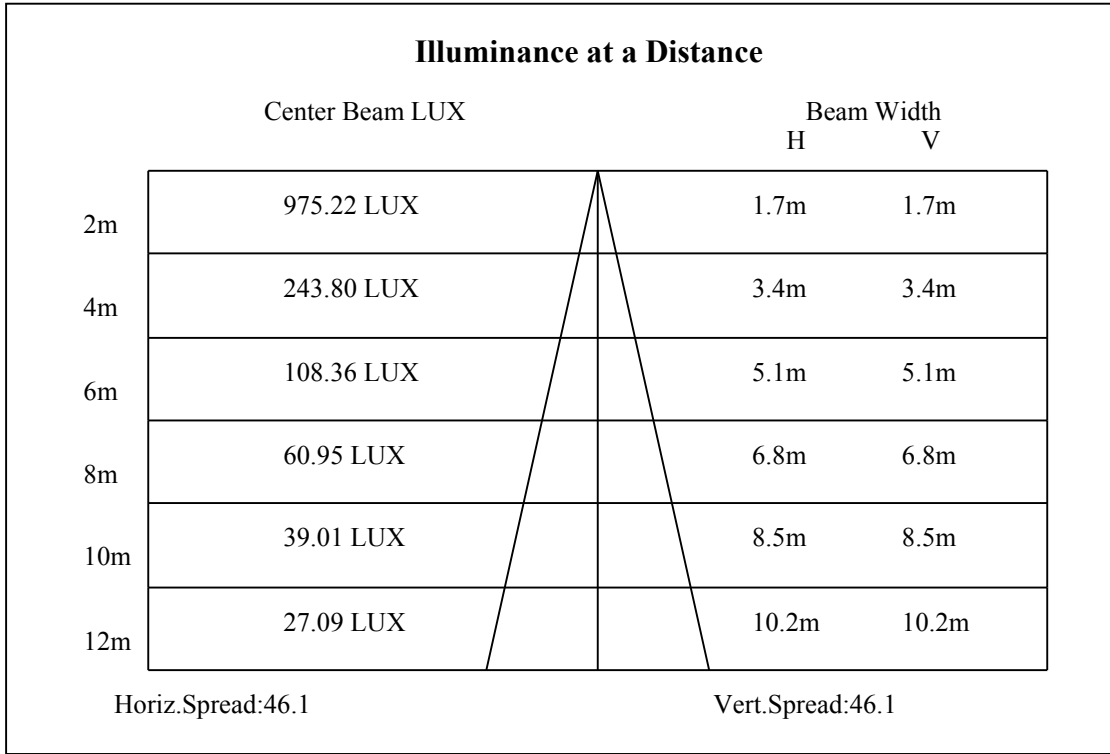
C0(Max): ———

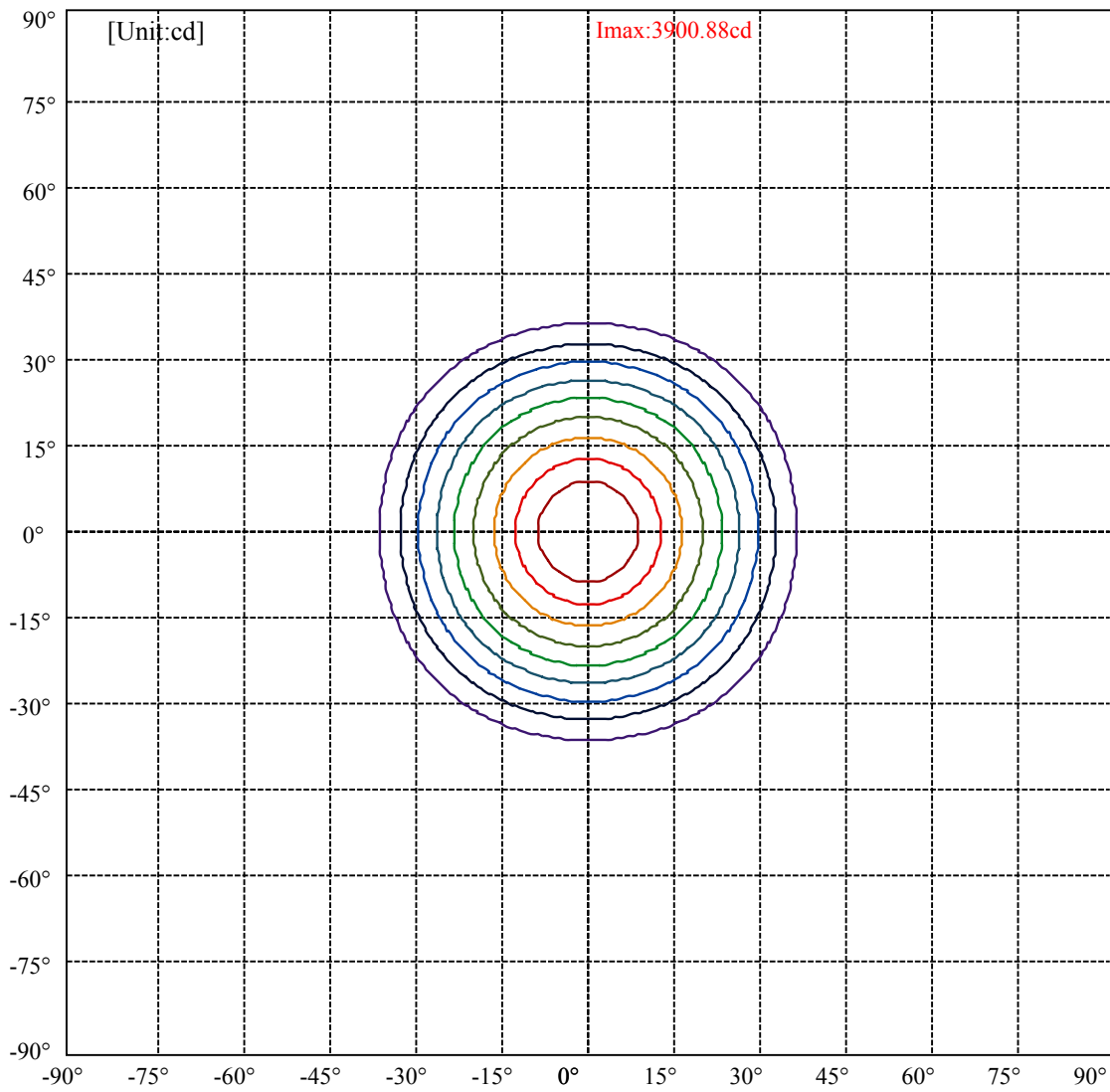
C0/C180: ———

C90/C270: ———

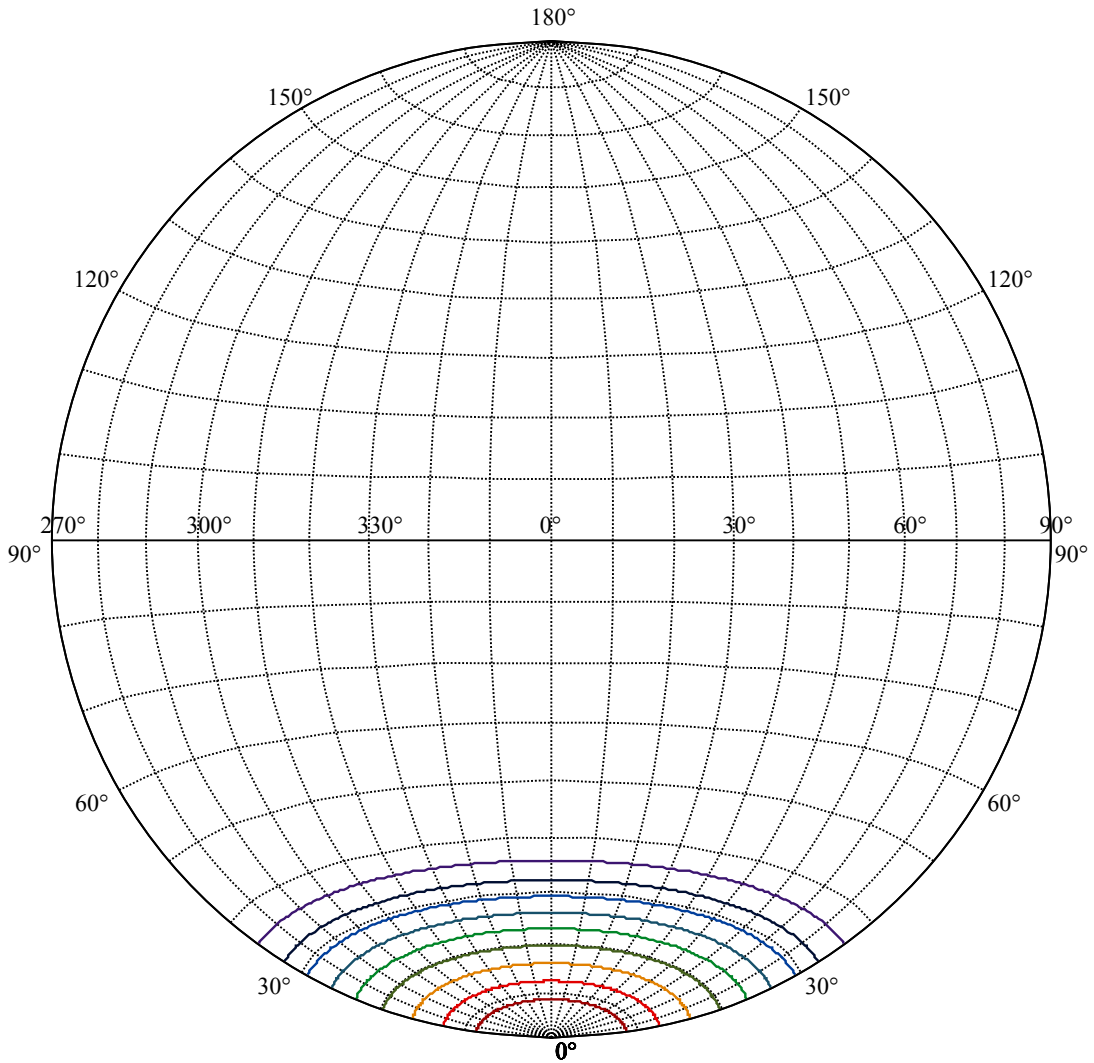
Field angle(10%Imax):C0/180Left:35.9 Right:35.9
:C90/270Left:35.9 Right:35.9

Beam Angle(50%Imax):C0/180Left:23.1 Right:23.1
:C90/270Left:23.1 Right:23.1





(10%Imax) 390.088	—
(20%Imax) 780.175	—
(30%Imax) 1170.26	—
(40%Imax) 1560.35	—
(50%Imax) 1950.44	—
(60%Imax) 2340.53	—
(70%Imax) 2730.61	—
(80%Imax) 3120.7	—
(90%Imax) 3510.79	—



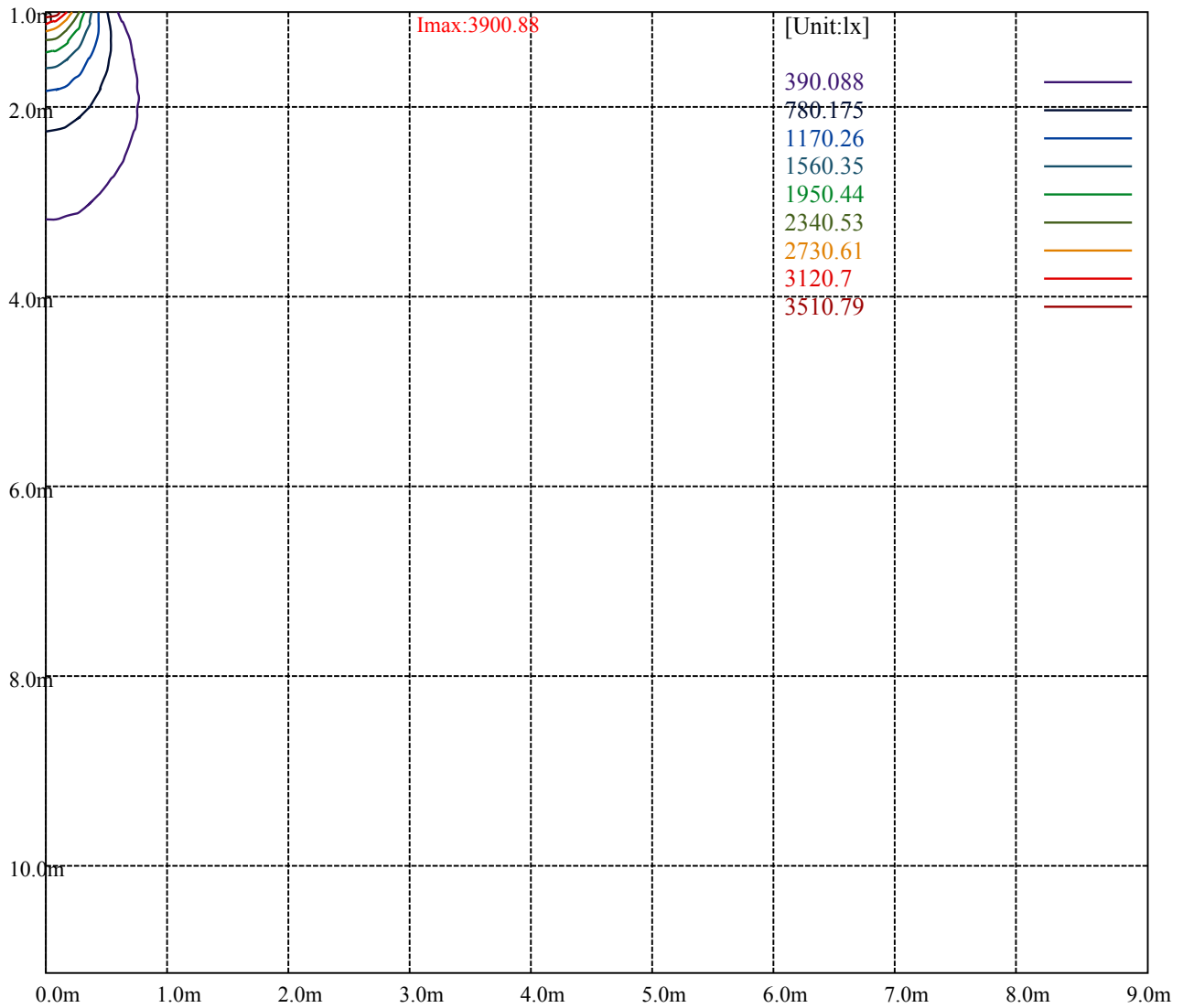
House

[Unit:cd]

Road

Imax:3900.88

(10%Imax)	390.088	—
(20%Imax)	780.175	—
(30%Imax)	1170.26	—
(40%Imax)	1560.35	—
(50%Imax)	1950.44	—
(60%Imax)	2340.53	—
(70%Imax)	2730.61	—
(80%Imax)	3120.7	—
(90%Imax)	3510.79	—



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

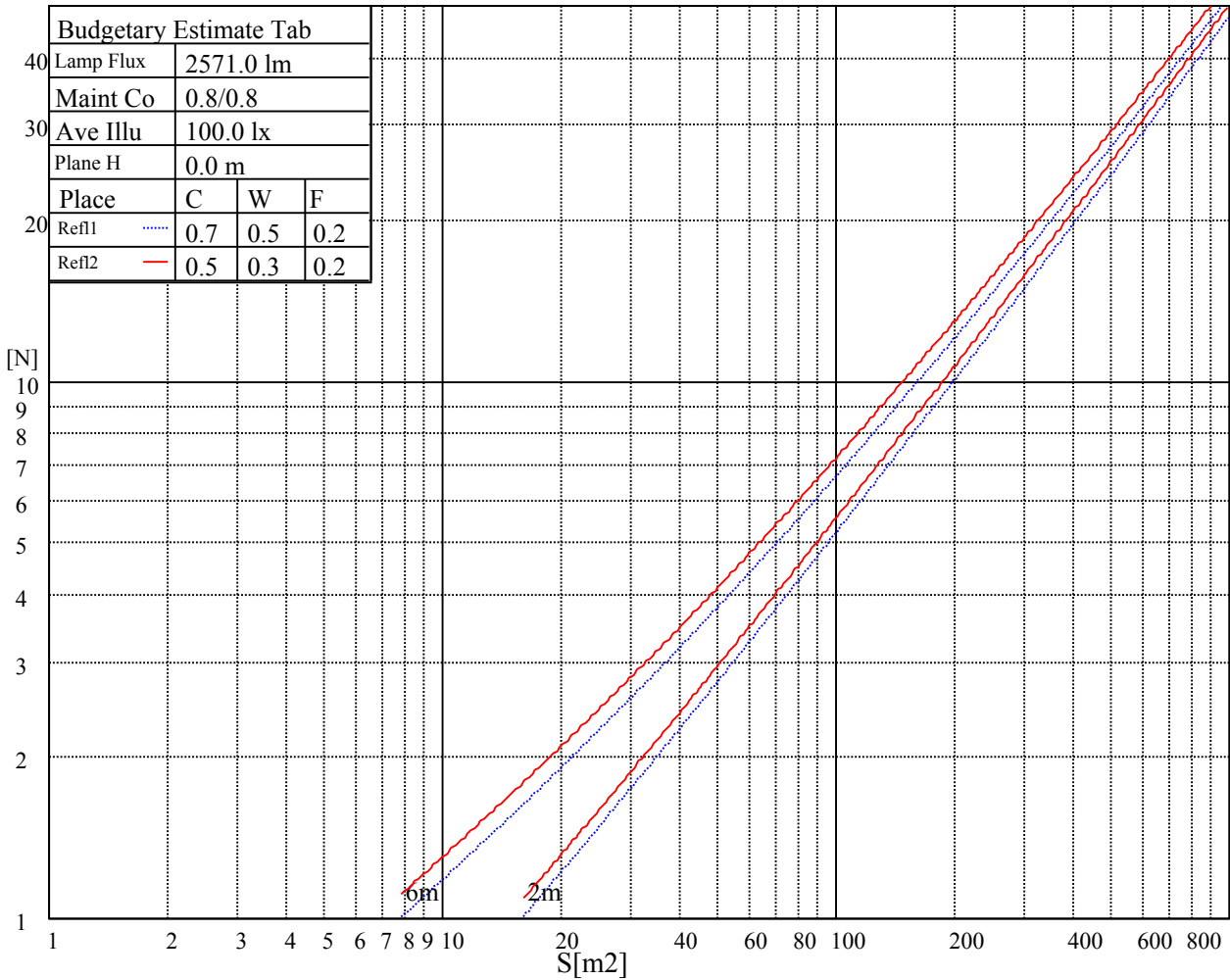
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

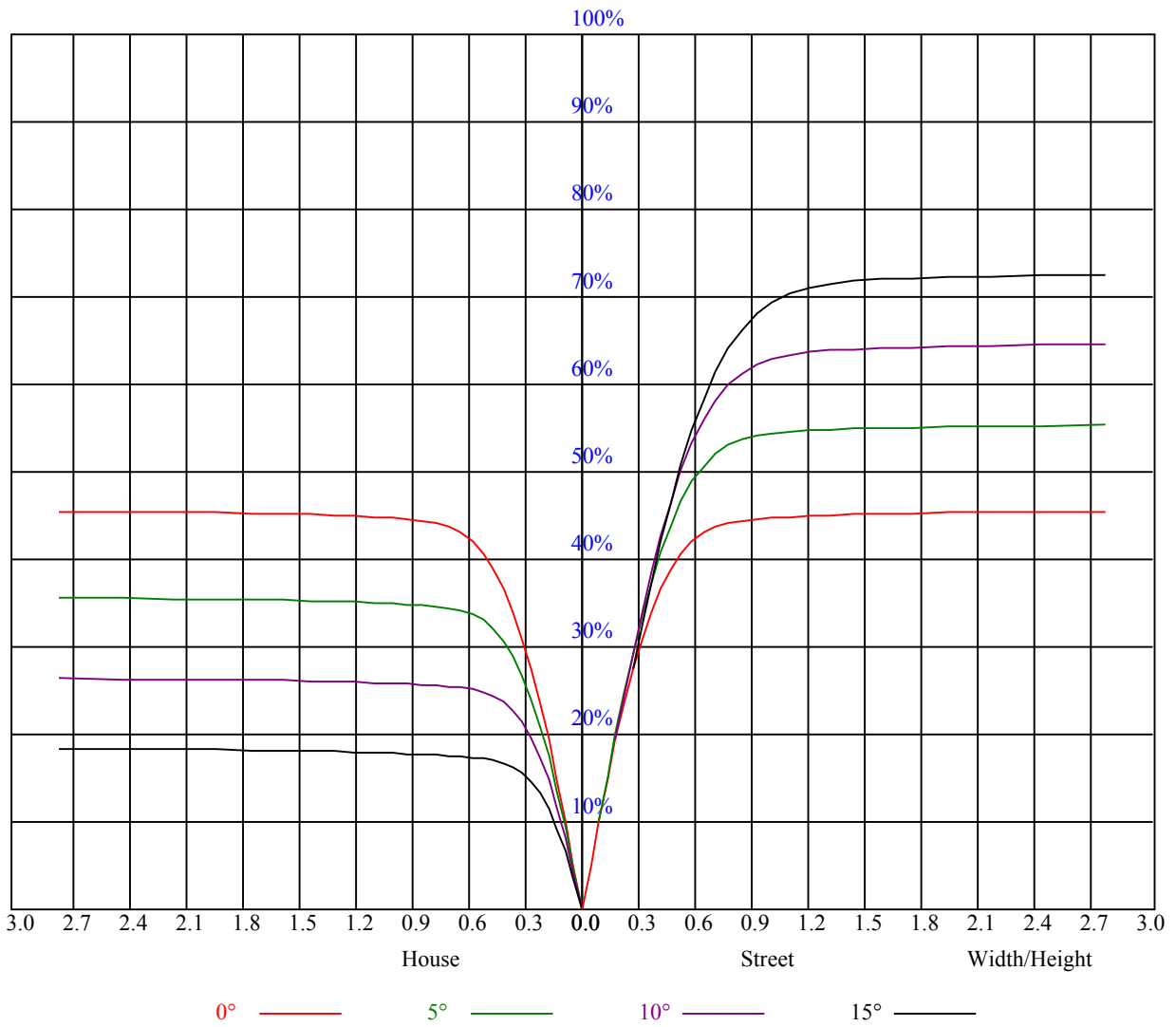


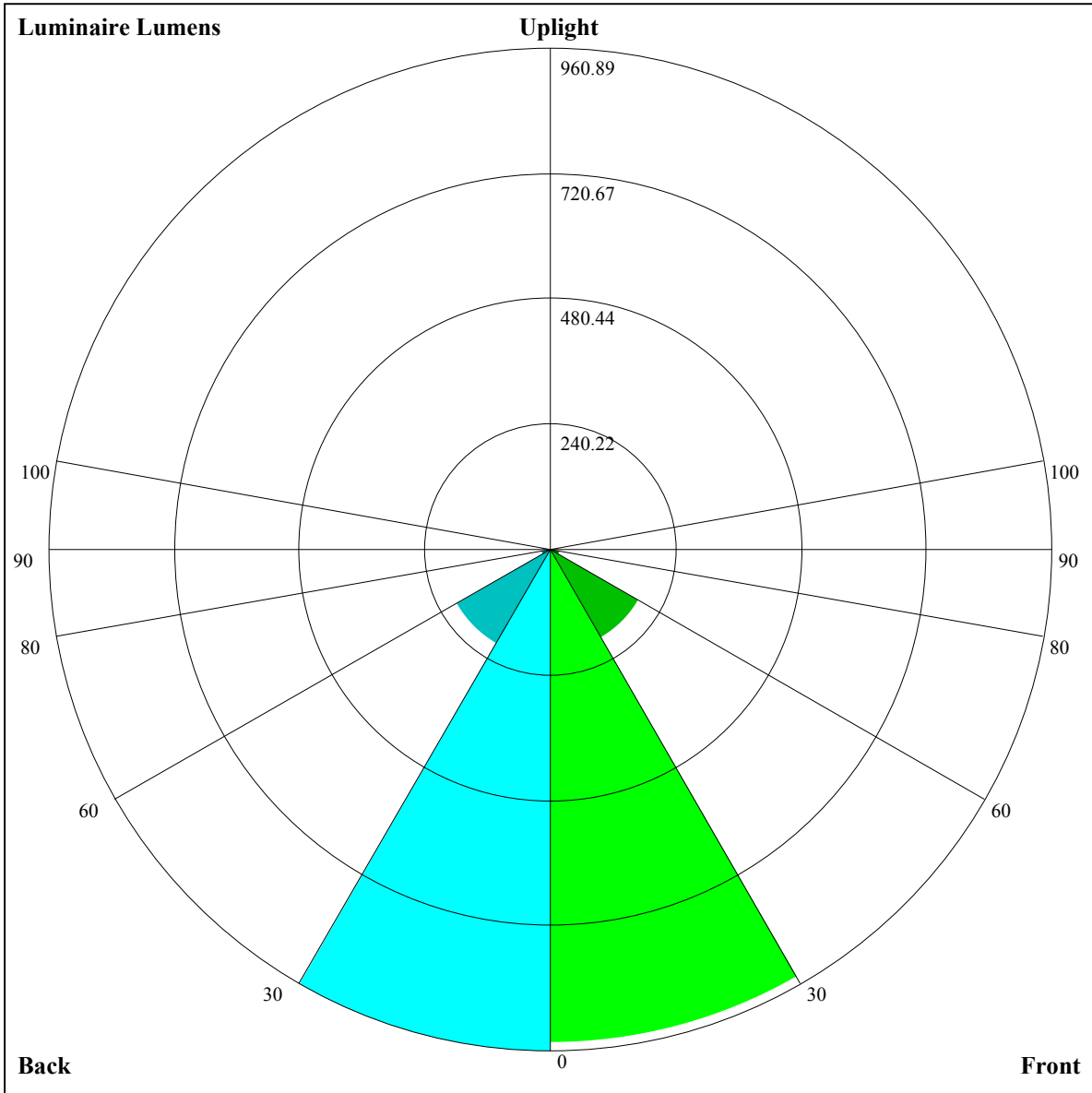
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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
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	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	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	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	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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	0.99	0.97	1.00	0.98	0.96	0.96	0.94	0.93	0.93	0.91	0.90	0.89	0.88	0.88	0.86
2	0.95	0.92	0.89	0.94	0.90	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
5	0.79	0.74	0.71	0.79	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.60
8	0.68	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
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.54
10	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.52





Luminaire Lumens:

FL=945.35,FM=196.13,FH=17.62,FVH=6.08

BL=960.89,BM=209.12,BH=17.87,BVH=6.18

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	3904.09	3897.66	3892.98	3867.23	3825.67	3771.83	3706.87	3632.55	3521.94
45.0	3886.54	3902.92	3909.95	3904.68	3882.44	3839.13	3799.34	3725.60	3664.15
90.0	3902.34	3895.90	3891.22	3868.98	3842.65	3780.61	3726.77	3662.40	3577.54
135.0	3910.53	3900.00	3885.95	3871.32	3844.99	3792.90	3760.13	3694.58	3634.31
180.0	3904.09	3887.71	3862.54	3839.72	3813.97	3749.60	3700.44	3635.48	3555.89
225.0	3886.54	3874.83	3851.42	3810.46	3761.88	3696.92	3627.28	3544.18	3476.88
270.0	3902.34	3900.58	3892.98	3878.93	3849.67	3806.95	3758.96	3679.95	3606.21
315.0	3910.53	3907.61	3886.54	3851.42	3804.61	3749.60	3689.32	3614.41	3533.65
360.0	3904.09	3897.66	3892.98	3867.23	3825.67	3771.83	3706.87	3632.55	3521.94
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3427.14	3337.60	3236.35	3105.85	2999.92	2895.17	2774.61	2666.34	2538.18
45.0	3578.71	3482.73	3390.27	3264.44	3162.61	3060.20	2943.74	2846.01	2713.16
90.0	3493.85	3387.34	3294.29	3188.36	3085.95	2971.25	2872.93	2763.49	2658.74
135.0	3554.13	3471.61	3389.68	3311.26	3188.95	3091.80	2992.90	2873.51	2771.68
180.0	3473.95	3389.10	3301.90	3208.85	3078.93	2985.88	2885.80	2791.00	2675.12
225.0	3348.72	3265.03	3165.54	3069.56	2948.42	2854.79	2760.56	2666.93	2534.67
270.0	3528.97	3416.02	3325.31	3194.80	3094.14	2989.39	2888.14	2761.74	2658.74
315.0	3424.80	3321.80	3219.38	3109.94	2980.61	2882.29	2778.12	2644.11	2532.91
360.0	3427.14	3337.60	3236.35	3105.85	2999.92	2895.17	2774.61	2666.34	2538.18
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2436.94	2329.84	2223.91	2085.22	1969.93	1859.32	1744.03	1602.99	1491.80
45.0	2612.50	2517.70	2419.38	2292.97	2185.87	2065.90	1948.86	1806.65	1690.19
90.0	2543.45	2441.03	2333.94	2223.33	2085.22	1967.00	1818.94	1705.99	1582.51
135.0	2633.57	2537.59	2437.52	2334.52	2202.26	2089.90	1978.70	1867.51	1725.89
180.0	2572.71	2448.05	2344.47	2236.79	2100.43	1994.51	1885.07	1775.63	1642.20
225.0	2440.45	2340.96	2209.87	2099.85	1967.58	1855.22	1749.88	1638.69	1496.48
270.0	2558.66	2459.76	2340.37	2228.01	2114.48	2003.87	1862.83	1752.81	1611.77
315.0	2405.33	2299.99	2192.90	2059.47	1944.18	1835.32	1727.06	1587.77	1474.24
360.0	2436.94	2329.84	2223.91	2085.22	1969.93	1859.32	1744.03	1602.99	1491.80
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1160.74	1160.74	1104.32	983.18	862.21	716.61	610.45	486.73	398.42
45.0	1567.88	1415.13	1297.50	1181.04	1031.81	908.33	789.53	649.66	546.07
90.0	1433.27	1154.24	1154.24	1061.25	905.99	785.20	672.66	567.32	450.16
135.0	1607.09	1486.53	1336.13	1217.91	1095.01	940.52	818.20	673.65	567.73
180.0	1535.69	1418.06	1299.26	1154.71	1030.64	906.57	755.58	643.81	541.39
225.0	1166.76	1166.76	1137.68	985.28	862.21	743.53	632.04	507.74	418.26
270.0	1493.55	1372.41	1218.50	1093.26	965.09	841.03	693.55	587.04	491.06
315.0	1146.75	1146.75	1081.61	957.49	834.47	712.98	576.15	479.36	392.22
360.0	1160.74	1160.74	1104.32	983.18	862.21	716.61	610.45	486.73	398.42
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	322.11	259.55	196.93	158.60	130.27	108.50	87.96	75.73	66.48
45.0	453.02	367.58	295.60	295.60	174.98	141.57	112.48	94.86	81.23
90.0	368.87	299.93	240.94	182.59	148.71	117.10	98.84	84.33	71.16
135.0	471.75	386.89	296.18	296.18	226.19	151.98	120.09	100.60	85.91
180.0	427.86	348.85	297.35	297.35	168.72	136.36	112.13	90.01	76.55
225.0	321.76	258.49	206.41	156.31	126.82	105.28	85.56	73.74	64.84
270.0	405.03	313.15	296.77	296.77	152.98	125.12	104.64	86.15	74.85
315.0	299.23	238.77	181.65	146.72	119.91	100.66	82.81	72.16	64.08
360.0	322.11	259.55	196.93	158.60	130.27	108.50	87.96	75.73	66.48

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	57.76	52.20	47.70	43.01	39.85	37.16	34.41	32.48	30.78
45.0	68.76	61.16	55.19	48.98	44.83	41.32	37.63	35.23	33.18
90.0	62.91	56.53	50.04	45.76	42.02	38.98	35.70	33.47	31.60
135.0	71.87	63.79	57.24	51.68	45.94	42.08	38.80	35.99	33.18
180.0	66.42	57.24	51.44	46.70	42.66	38.62	35.87	33.07	31.19
225.0	57.94	51.09	46.58	42.90	39.62	36.40	34.12	32.25	30.26
270.0	66.31	58.00	52.67	48.11	44.24	40.26	37.57	35.29	32.77
315.0	57.59	51.15	46.82	43.19	39.27	36.69	34.47	32.07	30.37
360.0	57.76	52.20	47.70	43.01	39.85	37.16	34.41	32.48	30.78
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.97	27.62	26.45	25.40	24.23	23.41	22.65	21.95	21.13
45.0	31.37	29.38	28.03	26.80	25.69	24.46	23.58	22.71	21.83
90.0	29.96	28.21	26.98	25.52	24.58	23.70	22.71	22.06	21.42
135.0	31.25	29.61	27.80	26.63	25.28	24.40	23.58	22.65	22.00
180.0	29.55	27.86	26.69	25.69	24.81	23.82	23.06	22.41	21.83
225.0	28.85	27.39	26.34	25.34	24.52	23.53	22.77	22.06	21.42
270.0	31.08	29.61	28.38	26.98	25.87	24.70	23.88	23.12	22.18
315.0	28.91	27.33	26.22	25.16	23.99	23.17	22.41	21.71	20.89
360.0	28.97	27.62	26.45	25.40	24.23	23.41	22.65	21.95	21.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.60	19.90	19.37	18.84	18.26	17.79	17.32	16.91	16.33
45.0	21.13	20.48	19.90	19.43	18.79	18.26	17.85	17.38	16.85
90.0	20.83	20.13	19.61	19.14	18.67	18.08	17.62	17.15	16.56
135.0	21.36	20.78	20.07	19.61	19.14	18.61	18.08	17.62	17.21
180.0	21.13	20.60	20.07	19.49	19.02	18.49	18.08	17.67	17.26
225.0	20.66	20.07	19.49	18.84	18.32	17.85	17.21	16.74	16.27
270.0	21.54	20.89	20.31	19.49	18.90	18.38	17.85	17.21	16.74
315.0	20.31	19.66	19.14	18.49	17.97	17.44	16.91	16.50	15.98
360.0	20.60	19.90	19.37	18.84	18.26	17.79	17.32	16.91	16.33
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.92	15.51	15.16	14.63	14.28	13.93	13.40	13.11	12.70
45.0	16.39	15.92	15.51	15.04	14.63	14.22	13.75	13.34	12.99
90.0	16.21	15.74	15.22	14.81	14.40	13.87	13.52	13.17	12.76
135.0	16.62	16.15	15.74	15.22	14.81	14.40	13.93	13.58	13.23
180.0	16.74	16.33	15.98	15.57	15.16	14.69	14.28	13.93	13.52
225.0	15.74	15.33	14.92	14.46	14.10	13.69	13.34	12.87	12.52
270.0	16.27	15.74	15.33	14.92	14.46	14.05	13.69	13.23	12.82
315.0	15.57	15.22	14.75	14.34	13.93	13.58	13.17	12.76	12.41
360.0	15.92	15.51	15.16	14.63	14.28	13.93	13.40	13.11	12.70
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.29	12.00	11.65	11.35	11.06	10.71	10.53	10.36	10.12
45.0	12.52	12.17	11.76	11.41	11.12	10.83	10.65	10.36	10.24
90.0	12.29	11.94	11.65	11.24	11.00	10.71	10.48	10.24	10.12
135.0	12.76	12.35	12.06	11.65	11.29	11.00	10.77	10.48	10.30
180.0	13.11	12.70	12.35	12.06	11.70	11.35	11.12	10.94	10.53
225.0	12.23	11.88	11.53	11.24	11.00	10.65	10.48	10.30	10.07
270.0	12.47	12.06	11.70	11.41	11.06	10.77	10.53	10.30	10.12
315.0	12.06	11.65	11.35	11.12	10.77	10.53	10.36	10.24	10.07
360.0	12.29	12.00	11.65	11.35	11.06	10.71	10.53	10.36	10.12

Intensity data(cd)

C/γ(°)	90.0
0.0	10.07
45.0	10.07
90.0	10.07
135.0	10.12
180.0	10.18
225.0	10.01
270.0	10.07
315.0	10.12
360.0	10.07