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NT

Client:

LumCAT: 1-1494-L

Luminaire: 92.70.427.00

Report No: 2024923-B023

Ballast type: AC

Test No: 2024923-C023

Voltage(V): 36.260

LampCAT: CITIZEN CLU028 LES9.8

Current(A): 0.360

Lamp flux(lm): 1715.0

Power (W): 13.053

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1347.56, Efficiency(%): 78.57% , Luminous Efficacy(lm/W): 103.24

Central intensity(cd): 3119.747, Maximum intensity(cd): 3119.747

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

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

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=63.8

[C90/270]Total=63.8

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(%): 78.57%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.936%

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	3119.747	0.000	0	0.00%	0.00%
1.0	3110.529	2.981	2.981	0.17%	0.22%
2.0	3093.997	8.905	11.886	0.52%	0.88%
3.0	3063.931	14.728	26.614	0.86%	1.97%
4.0	3023.770	20.377	46.992	1.19%	3.49%
5.0	2964.735	25.762	72.754	1.50%	5.40%
6.0	2900.360	30.823	103.576	1.80%	7.69%
7.0	2827.719	35.554	139.131	2.07%	10.32%
8.0	2737.741	39.831	178.962	2.32%	13.28%
9.0	2642.715	43.606	222.567	2.54%	16.52%
10.0	2528.231	46.795	269.362	2.73%	19.99%
11.0	2421.866	49.462	318.824	2.88%	23.66%
12.0	2298.676	51.602	370.426	3.01%	27.49%
13.0	2167.147	52.998	423.424	3.09%	31.42%
14.0	2039.056	53.839	477.263	3.14%	35.42%
15.0	1910.672	54.224	531.487	3.16%	39.44%
16.0	1787.189	54.184	585.671	3.16%	43.46%
17.0	1645.711	53.459	639.13	3.12%	47.43%
18.0	1526.618	52.305	691.435	3.05%	51.31%
19.0	1352.177	50.085	741.52	2.92%	55.03%
20.0	1266.946	47.937	789.458	2.80%	58.58%
21.0	1179.411	46.975	836.433	2.74%	62.07%
22.0	1076.792	45.339	881.772	2.64%	65.43%
23.0	981.949	43.198	924.97	2.52%	68.64%
24.0	895.014	41.037	966.007	2.39%	71.69%
25.0	809.008	38.746	1004.753	2.26%	74.56%
26.0	730.719	36.345	1041.098	2.12%	77.26%
27.0	658.407	33.985	1075.084	1.98%	79.78%
28.0	584.567	31.469	1106.553	1.83%	82.12%
29.0	509.870	28.634	1135.187	1.67%	84.24%
30.0	434.317	25.493	1160.679	1.49%	86.13%
31.0	365.524	22.258	1182.938	1.30%	87.78%
32.0	303.403	19.164	1202.102	1.12%	89.21%
33.0	255.304	16.460	1218.562	0.96%	90.43%
34.0	221.039	14.416	1232.977	0.84%	91.50%
35.0	143.102	11.309	1244.286	0.66%	92.34%
36.0	112.305	8.132	1252.418	0.47%	92.94%
37.0	89.730	6.589	1259.007	0.38%	93.43%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	75.882	5.528	1264.535	0.32%	93.84%
39.0	66.679	4.866	1269.401	0.28%	94.20%
40.0	59.430	4.398	1273.8	0.26%	94.53%
41.0	52.890	4.000	1277.799	0.23%	94.82%
42.0	47.674	3.654	1281.453	0.21%	95.09%
43.0	43.058	3.361	1284.814	0.20%	95.34%
44.0	39.349	3.110	1287.924	0.18%	95.57%
45.0	36.167	2.902	1290.826	0.17%	95.79%
46.0	33.160	2.711	1293.538	0.16%	95.99%
47.0	30.585	2.535	1296.073	0.15%	96.18%
48.0	28.442	2.386	1298.459	0.14%	96.36%
49.0	26.555	2.258	1300.718	0.13%	96.52%
50.0	24.740	2.139	1302.856	0.12%	96.68%
51.0	23.197	2.028	1304.884	0.12%	96.83%
52.0	21.851	1.933	1306.817	0.11%	96.98%
53.0	20.673	1.850	1308.667	0.11%	97.11%
54.0	19.495	1.770	1310.438	0.10%	97.25%
55.0	18.515	1.697	1312.134	0.10%	97.37%
56.0	17.659	1.635	1313.769	0.10%	97.49%
57.0	16.840	1.577	1315.346	0.09%	97.61%
58.0	16.050	1.521	1316.867	0.09%	97.72%
59.0	15.318	1.466	1318.334	0.09%	97.83%
60.0	14.667	1.417	1319.75	0.08%	97.94%
61.0	14.060	1.371	1321.121	0.08%	98.04%
62.0	13.460	1.326	1322.447	0.08%	98.14%
63.0	12.838	1.279	1323.726	0.07%	98.23%
64.0	12.341	1.236	1324.962	0.07%	98.32%
65.0	11.851	1.197	1326.159	0.07%	98.41%
66.0	11.368	1.158	1327.318	0.07%	98.50%
67.0	10.885	1.119	1328.437	0.07%	98.58%
68.0	10.490	1.083	1329.519	0.06%	98.66%
69.0	10.102	1.051	1330.57	0.06%	98.74%
70.0	9.773	1.021	1331.591	0.06%	98.82%
71.0	9.407	0.991	1332.582	0.06%	98.89%
72.0	9.100	0.962	1333.544	0.06%	98.96%
73.0	8.844	0.938	1334.483	0.05%	99.03%
74.0	8.603	0.917	1335.4	0.05%	99.10%
75.0	8.354	0.896	1336.296	0.05%	99.16%

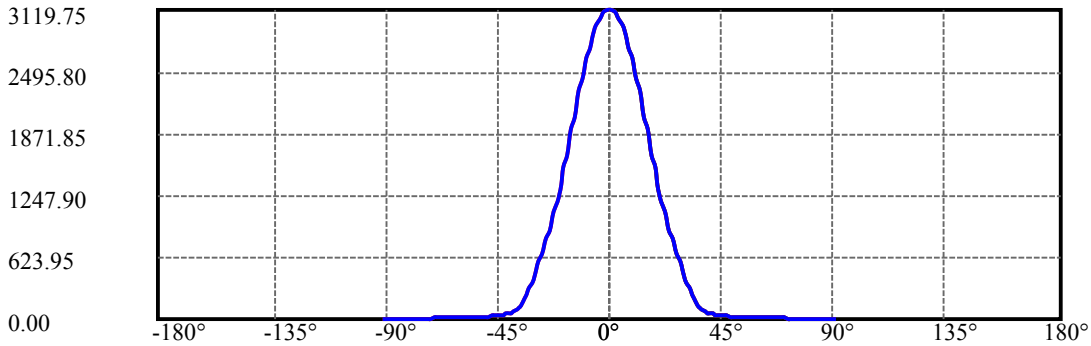
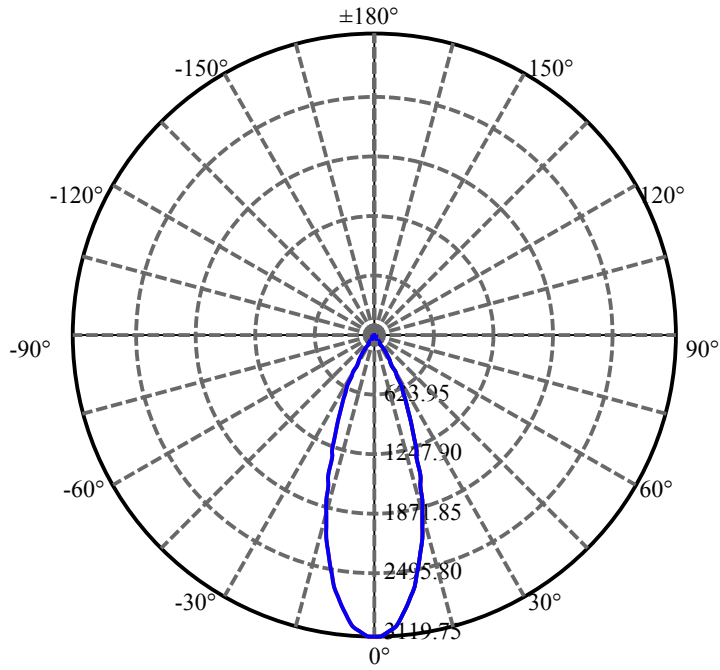
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.127	0.875	1337.171	0.05%	99.23%
77.0	7.908	0.855	1338.026	0.05%	99.29%
78.0	7.710	0.836	1338.862	0.05%	99.35%
79.0	7.520	0.818	1339.68	0.05%	99.42%
80.0	7.308	0.799	1340.48	0.05%	99.47%
81.0	7.110	0.780	1341.259	0.05%	99.53%
82.0	6.928	0.761	1342.021	0.04%	99.59%
83.0	6.745	0.743	1342.764	0.04%	99.64%
84.0	6.562	0.725	1343.489	0.04%	99.70%
85.0	6.386	0.707	1344.195	0.04%	99.75%
86.0	6.255	0.691	1344.886	0.04%	99.80%
87.0	6.145	0.679	1345.565	0.04%	99.85%
88.0	6.145	0.673	1346.238	0.04%	99.90%
89.0	6.028	0.667	1346.905	0.04%	99.95%
90.0	5.896	0.654	1347.559	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1160.68	67.68%	86.13%
0-40	1273.80	74.27%	94.53%
0-60	1319.75	76.95%	97.94%
0-90	1346.91	78.54%	99.95%
0-120	1346.91	78.54%	99.95%
0-180	1347.56	78.57%	100.00%
60-90	27.16	1.58%	2.02%
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%
0-27.09	1078.05	62.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	269.36
10-20	520.10
20-30	371.22
30-40	113.12
40-50	29.06
50-60	16.89
60-70	11.84
70-80	8.89
80-90	6.43
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: —————

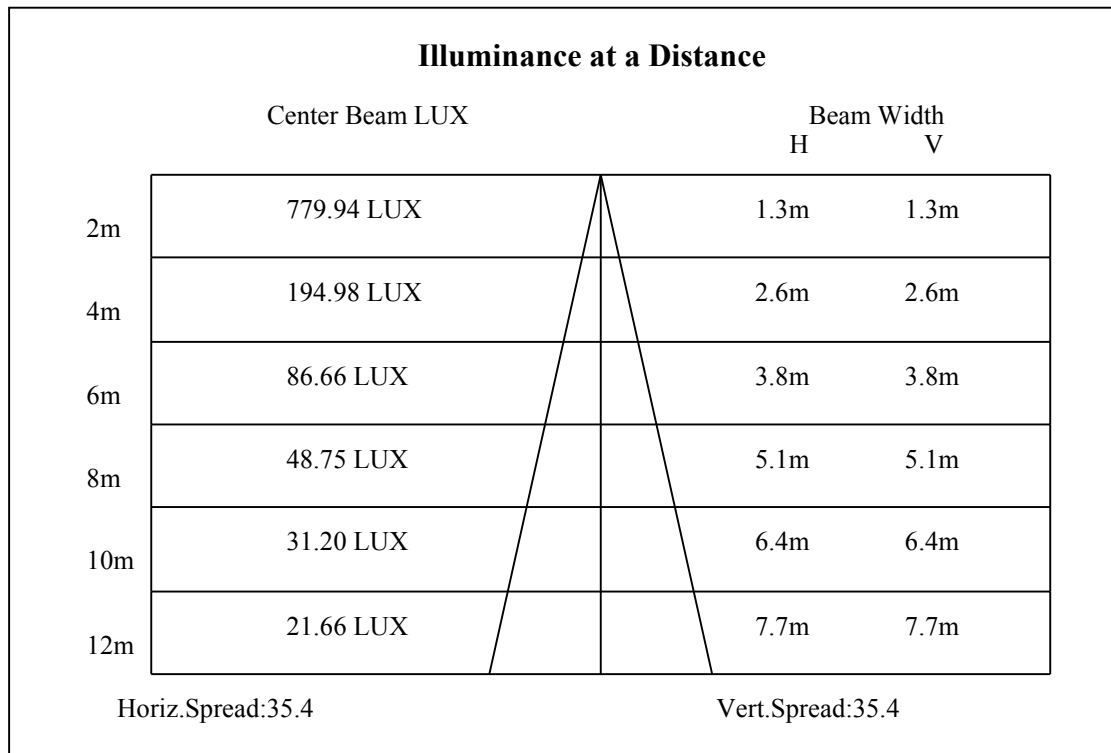
C90/C270: —————

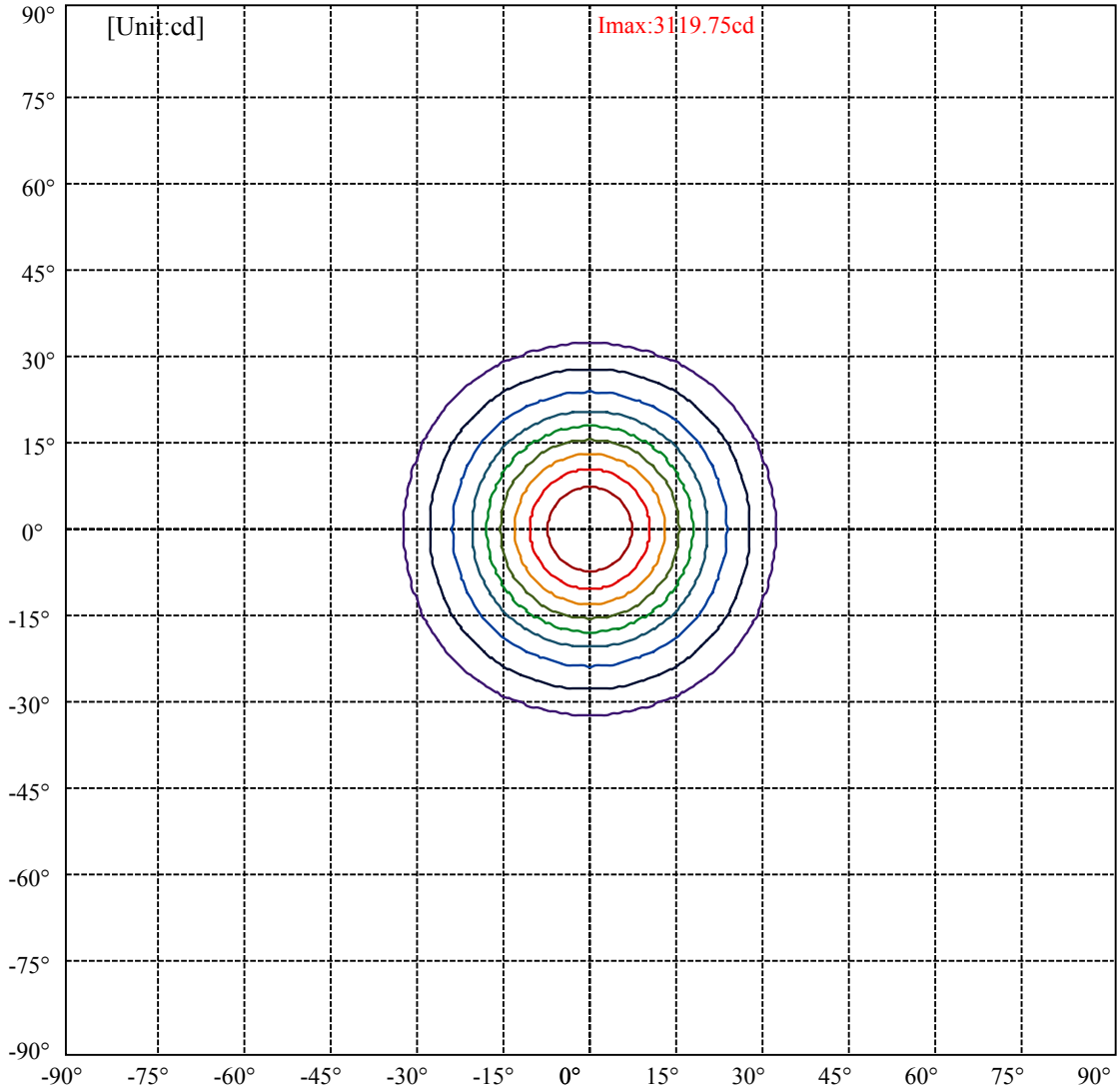
Field angle(10%Imax):C0/180Left:31.9 Right:31.9

:C90/270Left:31.9 Right:31.9

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

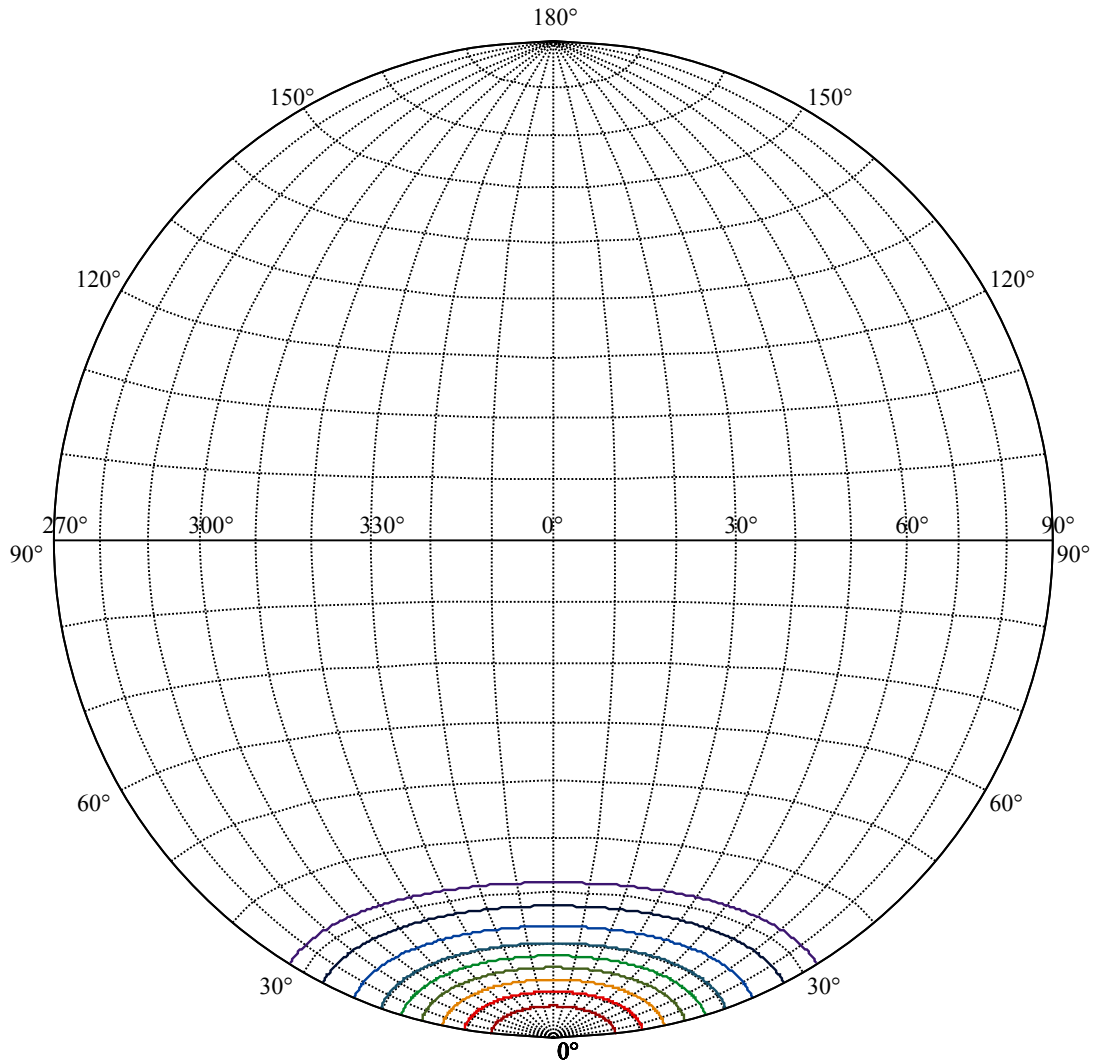
:C90/270Left:17.7 Right:17.7





(10%Imax)	311.975	—
(20%Imax)	623.949	—
(30%Imax)	935.924	—
(40%Imax)	1247.9	—
(50%Imax)	1559.87	—
(60%Imax)	1871.85	—
(70%Imax)	2183.82	—
(80%Imax)	2495.8	—
(90%Imax)	2807.77	—





House

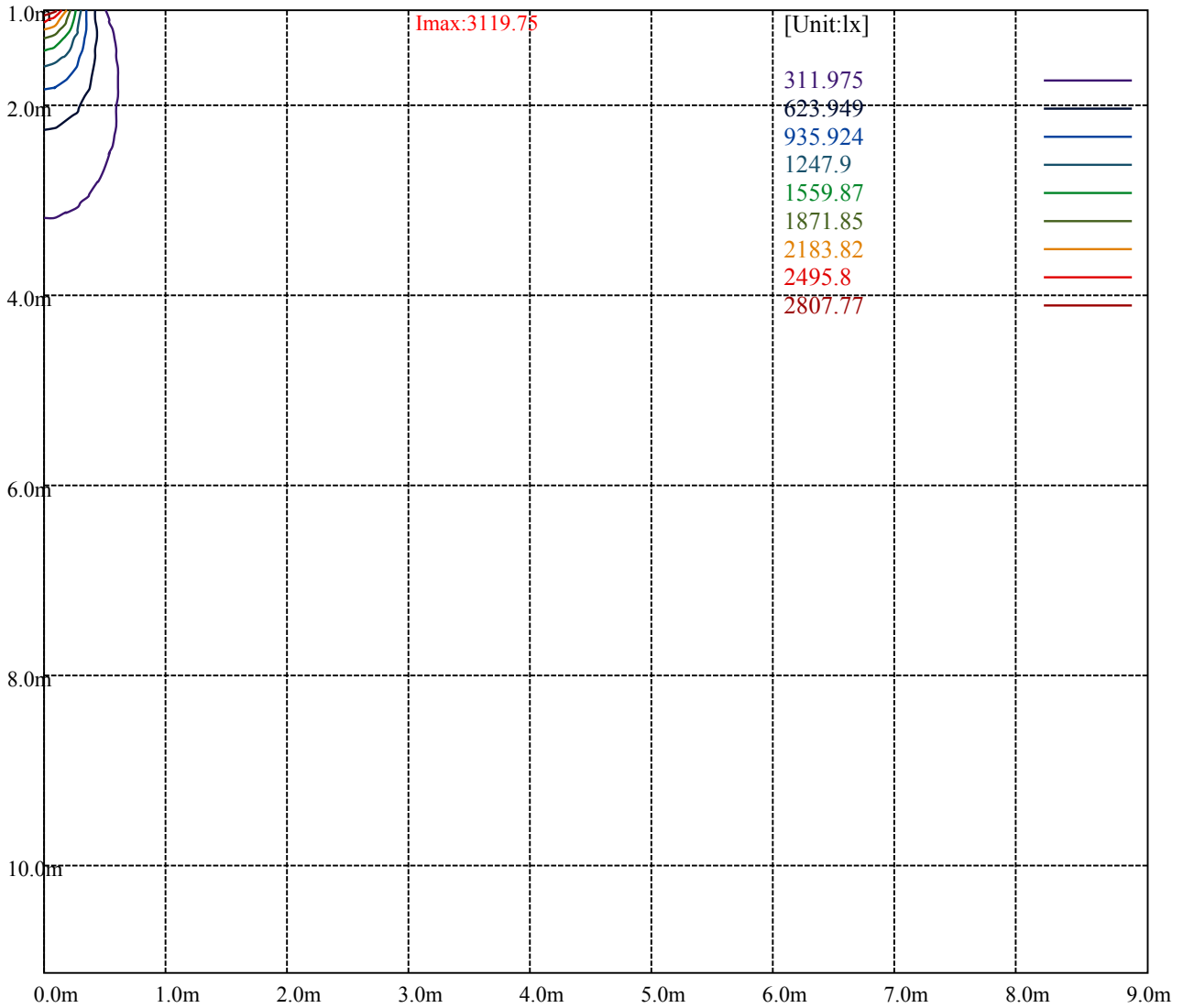
[Unit:cd]

Road

**Imax:3119.75**

(10%Imax)	311.975	—
(20%Imax)	623.949	—
(30%Imax)	935.924	—
(40%Imax)	1247.9	—
(50%Imax)	1559.87	—
(60%Imax)	1871.85	—
(70%Imax)	2183.82	—
(80%Imax)	2495.8	—
(90%Imax)	2807.77	—





Luminance Table

$\gamma$	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

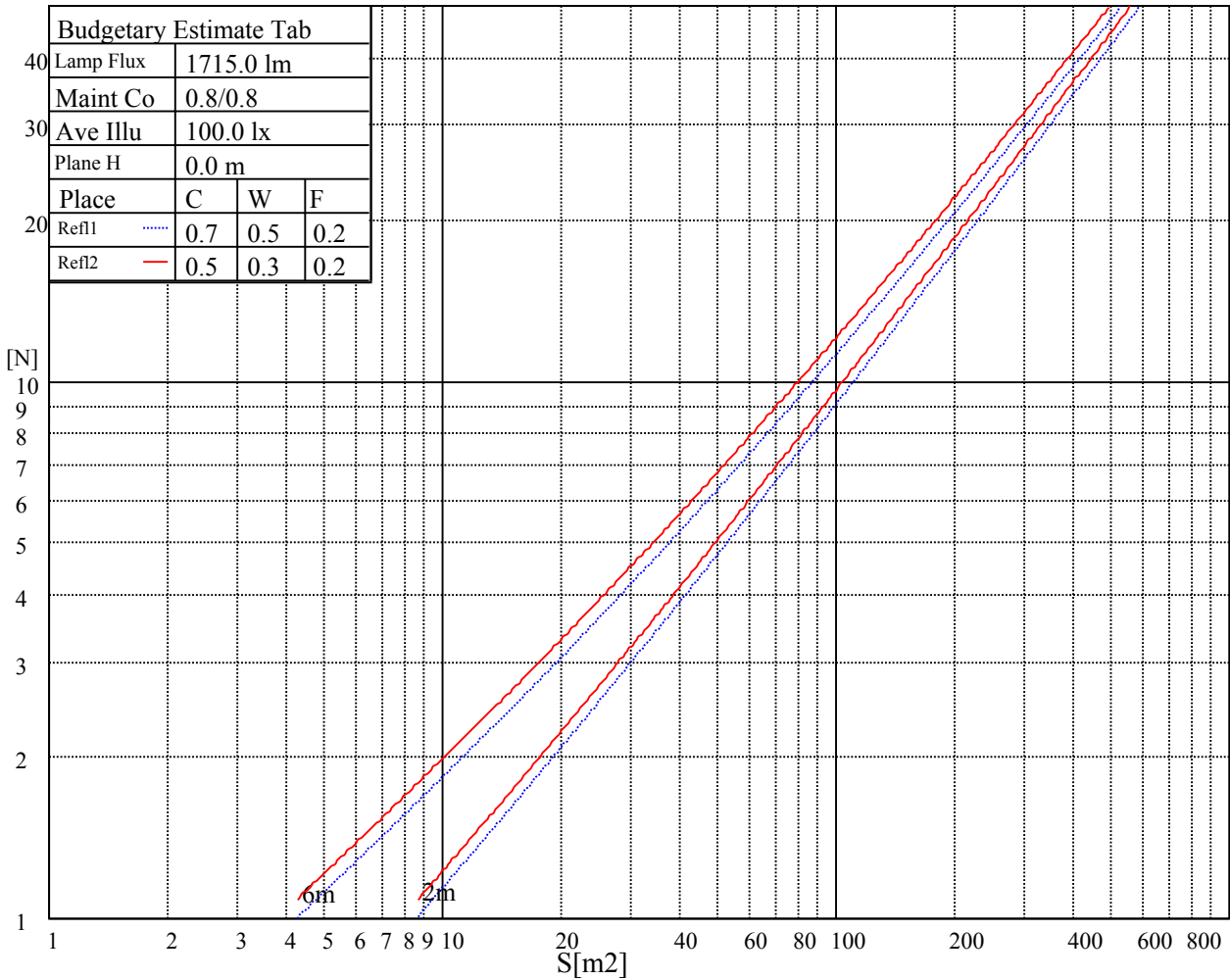
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

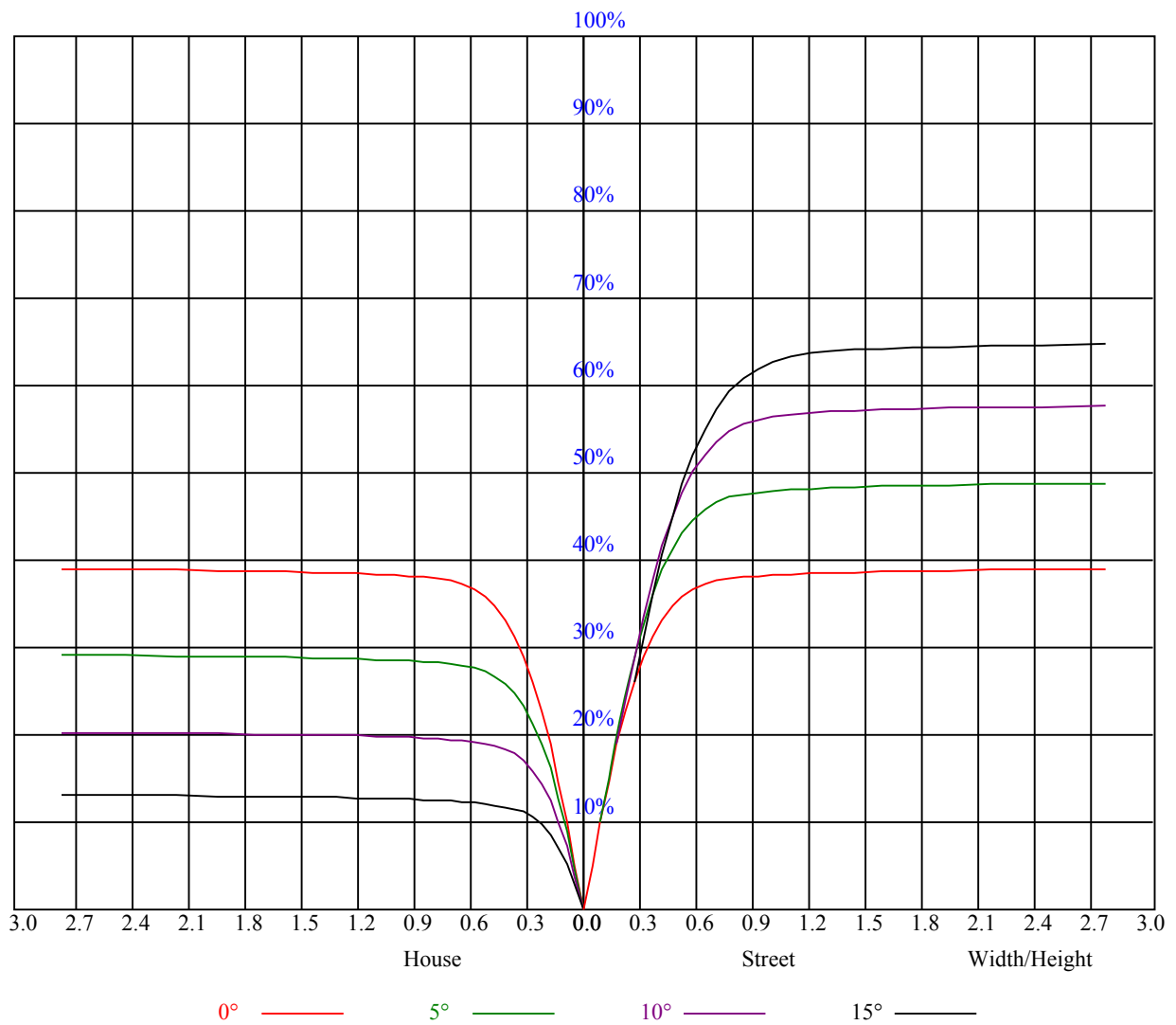


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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				

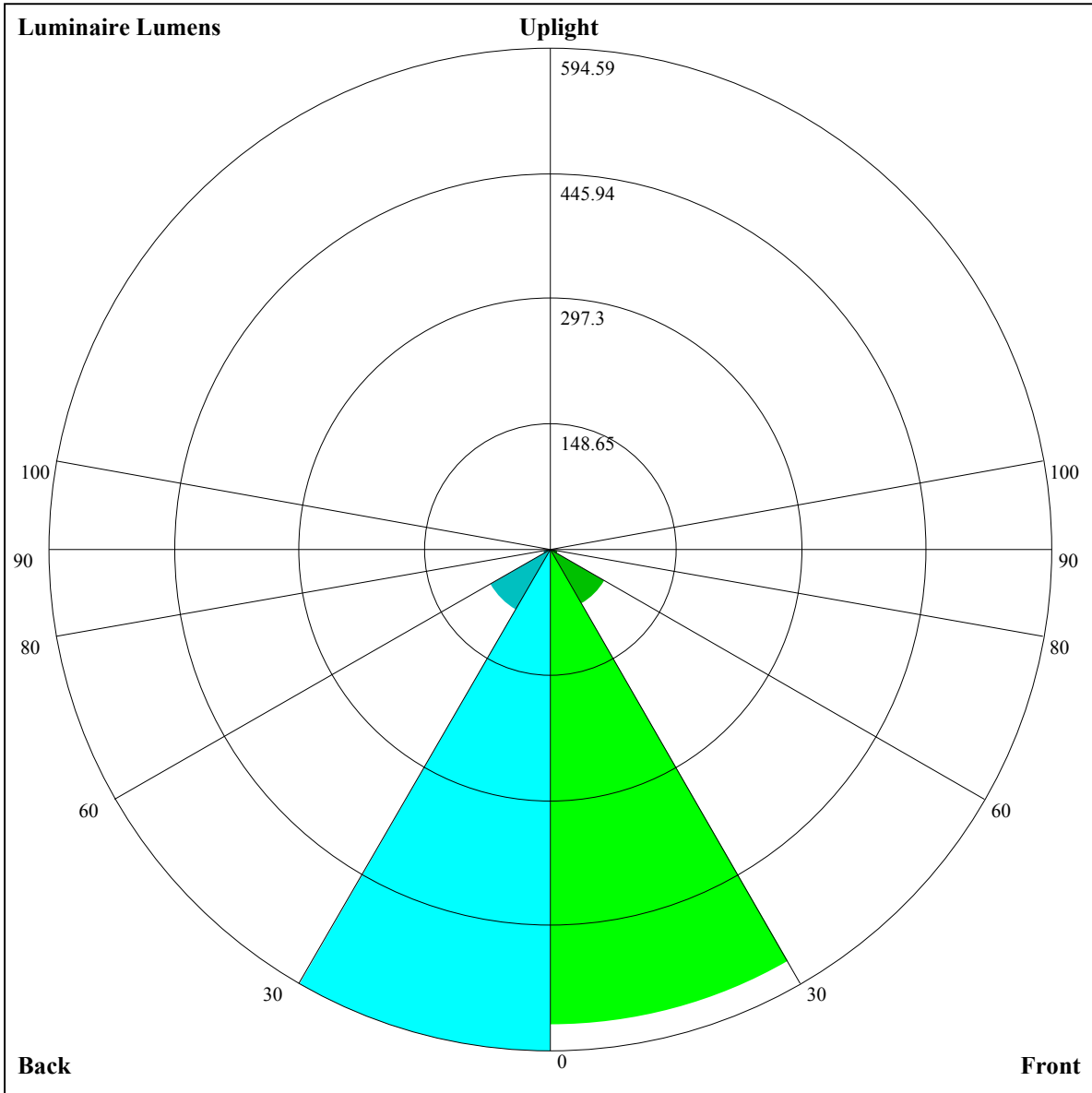
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.80	0.80	0.80	0.79
1	0.87	0.86	0.84	0.86	0.84	0.83	0.83	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74
2	0.82	0.79	0.77	0.81	0.78	0.76	0.78	0.76	0.74	0.76	0.74	0.73	0.74	0.73	0.71	0.70
3	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.73	0.70	0.69	0.71	0.69	0.68	0.66
4	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.69	0.67	0.65	0.68	0.66	0.64	0.63
5	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.65	0.63	0.61	0.60
6	0.67	0.62	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.57
7	0.64	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.55
8	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.58	0.55	0.53	0.52
9	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50
10	0.56	0.52	0.49	0.56	0.52	0.49	0.55	0.52	0.49	0.54	0.51	0.49	0.54	0.51	0.49	0.48







Luminaire Lumens:

FL=564.96,FM=75.32,FH=10.23,FVH=3.52

BL=594.59,BM=83.58,BH=10.49,BVH=3.56

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	3107.60	3090.05	3064.30	3018.06	2965.98	2887.56	2809.72	2730.72	2638.25
45.0	3125.16	3114.63	3105.26	3074.25	3022.16	2975.34	2916.82	2832.55	2747.10
90.0	3119.31	3100.00	3081.85	3043.81	2992.31	2919.75	2848.35	2771.10	2676.29
135.0	3126.92	3125.75	3113.46	3098.82	3066.05	3022.75	2974.17	2910.38	2824.35
180.0	3107.60	3117.55	3111.11	3095.31	3070.15	3019.23	2971.25	2910.97	2842.50
225.0	3125.16	3110.53	3092.39	3061.37	3024.50	2957.79	2894.00	2824.94	2718.43
270.0	3119.31	3125.75	3108.77	3092.39	3063.13	3008.70	2958.37	2892.24	2798.60
315.0	3126.92	3100.00	3074.83	3027.43	2985.88	2926.77	2830.21	2748.86	2656.39
360.0	3107.60	3090.05	3064.30	3018.06	2965.98	2887.56	2809.72	2730.72	2638.25
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2514.77	2408.84	2292.38	2176.51	2022.01	1899.70	1779.73	1662.10	1519.89
45.0	2658.74	2534.08	2432.25	2316.96	2176.51	2051.27	1931.89	1811.92	1664.44
90.0	2584.41	2453.91	2342.71	2229.77	2083.46	1958.81	1813.09	1696.04	1574.90
135.0	2743.01	2649.37	2544.03	2411.77	2297.65	2149.59	2029.62	1905.55	1756.90
180.0	2742.42	2648.20	2550.47	2414.11	2303.50	2189.39	2038.98	1919.01	1769.19
225.0	2624.79	2497.80	2393.63	2276.00	2128.52	2007.97	1888.58	1769.19	1616.45
270.0	2714.33	2611.92	2507.75	2369.05	2254.35	2136.13	2012.06	1856.39	1739.35
315.0	2559.25	2421.72	2311.70	2195.24	2071.17	1919.60	1791.43	1677.31	1524.57
360.0	2514.77	2408.84	2292.38	2176.51	2022.01	1899.70	1779.73	1662.10	1519.89
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1405.77	1145.75	1145.75	1075.23	957.49	874.15	800.76	729.83	643.05
45.0	1548.56	1442.05	1333.20	1207.38	1109.06	1017.76	908.33	832.25	746.22
90.0	1439.71	1155.82	1155.82	1131.30	1010.57	922.72	844.19	775.25	689.51
135.0	1639.86	1523.98	1413.96	1280.53	1183.97	1086.24	994.36	886.09	814.69
180.0	1649.81	1538.03	1422.16	1291.06	1189.82	1089.16	994.36	889.02	814.69
225.0	1499.99	1388.80	1152.31	1152.31	1058.15	965.27	877.37	787.30	725.15
270.0	1619.96	1475.41	1364.80	1227.28	1128.37	1027.71	939.34	841.61	773.14
315.0	1409.28	1147.57	1147.57	1070.20	976.92	872.57	801.41	730.71	639.30
360.0	1405.77	1145.75	1145.75	1075.23	957.49	874.15	800.76	729.83	643.05
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	572.35	499.90	435.52	356.64	298.52	241.99	191.54	139.63	109.85
45.0	673.07	599.91	530.27	445.41	381.04	319.59	304.38	237.95	153.15
90.0	617.76	547.01	462.85	397.25	336.68	263.53	209.98	163.45	117.22
135.0	746.81	654.34	582.94	512.13	427.27	361.73	299.69	299.69	178.79
180.0	747.39	675.99	590.55	519.74	427.86	365.82	306.72	306.72	180.66
225.0	636.49	565.74	496.62	411.76	347.57	285.65	232.57	174.28	134.89
270.0	705.84	636.78	550.76	479.94	409.72	344.17	299.69	299.69	154.67
315.0	567.55	496.86	429.44	351.66	295.54	244.74	197.86	146.89	115.58
360.0	572.35	499.90	435.52	356.64	298.52	241.99	191.54	139.63	109.85
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	87.14	76.66	68.06	58.99	53.20	48.28	43.07	39.39	36.23
45.0	117.28	89.13	77.13	68.00	58.70	52.61	47.58	42.43	38.86
90.0	93.52	79.42	67.71	59.69	53.43	48.05	43.72	39.09	35.87
135.0	138.64	101.77	83.86	72.68	64.32	55.65	50.04	45.24	40.38
180.0	140.69	106.45	84.62	74.27	66.60	59.52	52.32	47.58	43.19
225.0	105.57	86.44	73.27	65.31	58.58	51.38	46.88	42.14	38.80
270.0	120.38	97.32	80.41	71.98	64.32	56.47	51.15	46.82	42.96
315.0	95.22	80.64	71.98	62.50	56.30	51.15	46.64	41.79	38.51
360.0	87.14	76.66	68.06	58.99	53.20	48.28	43.07	39.39	36.23

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	33.36	30.37	28.27	26.39	24.81	23.06	21.83	20.42	19.43
45.0	35.76	32.42	30.20	28.21	26.39	24.35	23.06	21.77	20.72
90.0	33.12	30.14	28.09	25.93	24.40	23.00	21.48	20.42	19.43
135.0	37.04	34.18	31.02	28.79	26.86	24.70	23.23	21.95	20.78
180.0	39.09	36.17	33.47	30.78	28.79	26.98	25.05	23.70	22.36
225.0	35.87	33.24	30.43	28.50	26.69	25.16	23.35	22.00	20.83
270.0	39.62	35.87	33.18	30.96	28.32	26.51	24.87	23.06	21.77
315.0	35.46	32.89	30.02	27.97	26.16	24.17	22.71	21.48	20.07
360.0	33.36	30.37	28.27	26.39	24.81	23.06	21.83	20.42	19.43
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.55	17.44	16.74	15.98	15.27	14.51	13.99	13.40	12.93
45.0	19.49	18.67	17.79	16.85	16.15	15.33	14.63	14.10	13.52
90.0	18.55	17.56	16.80	16.09	15.45	14.69	14.16	13.58	12.93
135.0	19.55	18.67	17.73	17.03	16.15	15.51	14.92	14.22	13.69
180.0	20.95	19.96	19.02	18.14	17.21	16.50	15.74	15.16	14.40
225.0	19.49	18.61	17.79	16.85	16.09	15.39	14.63	13.99	13.40
270.0	20.31	19.31	18.32	17.44	16.50	15.80	15.10	14.46	13.69
315.0	19.08	17.91	17.09	16.33	15.57	14.81	14.16	13.58	13.11
360.0	18.55	17.44	16.74	15.98	15.27	14.51	13.99	13.40	12.93
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.29	11.82	11.41	10.89	10.48	10.18	9.71	9.42	9.19
45.0	12.93	12.41	11.94	11.47	10.94	10.53	10.24	9.83	9.42
90.0	12.47	11.88	11.41	11.00	10.59	10.18	9.77	9.48	9.19
135.0	12.99	12.58	12.11	11.59	11.06	10.71	10.30	10.01	9.54
180.0	13.81	13.17	12.58	12.11	11.59	11.12	10.77	10.42	9.95
225.0	12.70	12.29	11.76	11.29	10.83	10.42	10.12	9.71	9.36
270.0	13.11	12.64	12.11	11.53	11.06	10.59	10.18	9.89	9.48
315.0	12.41	11.94	11.47	11.06	10.53	10.18	9.71	9.42	9.13
360.0	12.29	11.82	11.41	10.89	10.48	10.18	9.71	9.42	9.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.84	8.60	8.37	8.13	7.90	7.72	7.55	7.37	7.14
45.0	9.19	8.84	8.60	8.37	8.13	7.96	7.72	7.49	7.32
90.0	8.84	8.60	8.43	8.19	7.96	7.72	7.49	7.32	7.14
135.0	9.25	9.01	8.78	8.49	8.31	8.02	7.90	7.67	7.43
180.0	9.60	9.36	9.07	8.78	8.54	8.25	8.02	7.84	7.67
225.0	9.07	8.78	8.49	8.25	8.02	7.84	7.67	7.49	7.26
270.0	9.19	8.90	8.66	8.43	8.19	7.96	7.78	7.61	7.37
315.0	8.84	8.66	8.43	8.19	7.96	7.78	7.55	7.37	7.14
360.0	8.84	8.60	8.37	8.13	7.90	7.72	7.55	7.37	7.14
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.96	6.85	6.61	6.44	6.32	6.20	6.14	6.20	5.91
45.0	7.08	6.91	6.73	6.55	6.38	6.26	6.14	6.09	5.91
90.0	6.96	6.79	6.61	6.44	6.26	6.14	6.09	6.26	5.85
135.0	7.20	6.96	6.85	6.61	6.44	6.32	6.20	6.09	6.20
180.0	7.43	7.20	7.02	6.85	6.61	6.44	6.32	6.14	6.32
225.0	7.08	6.91	6.73	6.55	6.38	6.26	6.09	6.09	5.91
270.0	7.20	7.02	6.85	6.61	6.44	6.26	6.14	6.03	6.26
315.0	6.96	6.79	6.55	6.44	6.26	6.14	6.03	6.26	5.85
360.0	6.96	6.85	6.61	6.44	6.32	6.20	6.14	6.20	5.91

Intensity data(cd)

C/γ(°)	90.0
0.0	6.03
45.0	5.91
90.0	5.91
135.0	5.85
180.0	5.91
225.0	5.85
270.0	5.79
315.0	5.91
360.0	6.03