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NT

Client:

LumCAT: 2-2756-L

Luminaire: 92.70.412.00

Report No: 2024807-B004

Ballast type: AC

Test No: 2024807-C004

Voltage(V): 35.000

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.450

Lamp flux(lm): 2561.0

Power (W): 15.750

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2416.73, Efficiency(%): 94.37% , Luminous Efficacy(lm/W): 153.44

Central intensity(cd): 5308.635, Maximum intensity(cd): 5308.635

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.0

[C90/270]Total=36.0

Field angle(10%Imax): [C0/180]Total=67.2

[C90/270]Total=67.2

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

Maximum s/h(1/4): C0_180=0.62 C90_270=0.62

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.37%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.176%

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	5308.634	0.000	0	0.00%	0.00%
1.0	5299.198	5.076	5.076	0.20%	0.21%
2.0	5258.305	15.153	20.229	0.59%	0.84%
3.0	5200.148	25.013	45.242	0.98%	1.87%
4.0	5113.755	34.524	79.766	1.35%	3.30%
5.0	5008.926	43.547	123.313	1.70%	5.10%
6.0	4888.004	52.011	175.324	2.03%	7.25%
7.0	4737.089	59.743	235.067	2.33%	9.73%
8.0	4577.615	66.664	301.73	2.60%	12.49%
9.0	4405.267	72.801	374.532	2.84%	15.50%
10.0	4228.529	78.133	452.665	3.05%	18.73%
11.0	4027.065	82.490	535.155	3.22%	22.14%
12.0	3849.157	86.098	621.253	3.36%	25.71%
13.0	3641.109	88.891	710.144	3.47%	29.38%
14.0	3456.105	90.844	800.988	3.55%	33.14%
15.0	3264.151	92.259	893.246	3.60%	36.96%
16.0	3058.079	92.638	985.885	3.62%	40.79%
17.0	2872.197	92.350	1078.235	3.61%	44.62%
18.0	2656.834	91.162	1169.397	3.56%	48.39%
19.0	2477.096	89.320	1258.716	3.49%	52.08%
20.0	2289.166	87.236	1345.952	3.41%	55.69%
21.0	2109.209	84.458	1430.41	3.30%	59.19%
22.0	1955.295	81.678	1512.088	3.19%	62.57%
23.0	1795.675	78.705	1590.793	3.07%	65.82%
24.0	1653.100	75.403	1666.196	2.94%	68.94%
25.0	1530.788	72.395	1738.591	2.83%	71.94%
26.0	1354.225	68.101	1806.692	2.66%	74.76%
27.0	1261.057	63.983	1870.675	2.50%	77.41%
28.0	1178.387	61.762	1932.437	2.41%	79.96%
29.0	1071.752	58.870	1991.307	2.30%	82.40%
30.0	944.378	54.435	2045.742	2.13%	84.65%
31.0	824.699	49.231	2094.973	1.92%	86.69%
32.0	709.680	43.958	2138.931	1.72%	88.51%
33.0	600.082	38.586	2177.517	1.51%	90.10%
34.0	490.155	32.994	2210.511	1.29%	91.47%
35.0	390.608	27.353	2237.864	1.07%	92.60%
36.0	304.529	22.133	2259.997	0.86%	93.51%
37.0	240.849	17.787	2277.785	0.69%	94.25%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	214.704	15.206	2292.99	0.59%	94.88%
39.0	114.843	11.248	2304.239	0.44%	95.35%
40.0	88.757	7.101	2311.34	0.28%	95.64%
41.0	75.304	5.842	2317.182	0.23%	95.88%
42.0	66.233	5.142	2322.324	0.20%	96.09%
43.0	58.771	4.631	2326.954	0.18%	96.29%
44.0	52.999	4.219	2331.173	0.16%	96.46%
45.0	48.405	3.897	2335.07	0.15%	96.62%
46.0	44.397	3.629	2338.699	0.14%	96.77%
47.0	40.263	3.367	2342.067	0.13%	96.91%
48.0	36.898	3.119	2345.186	0.12%	97.04%
49.0	33.994	2.911	2348.097	0.11%	97.16%
50.0	31.580	2.734	2350.831	0.11%	97.27%
51.0	29.517	2.585	2353.416	0.10%	97.38%
52.0	27.754	2.458	2355.874	0.10%	97.48%
53.0	26.320	2.352	2358.226	0.09%	97.58%
54.0	24.923	2.259	2360.484	0.09%	97.67%
55.0	23.811	2.175	2362.66	0.08%	97.76%
56.0	22.795	2.106	2364.766	0.08%	97.85%
57.0	21.917	2.044	2366.81	0.08%	97.93%
58.0	21.149	1.991	2368.802	0.08%	98.02%
59.0	20.432	1.944	2370.746	0.08%	98.10%
60.0	19.810	1.901	2372.647	0.07%	98.18%
61.0	19.203	1.862	2374.509	0.07%	98.25%
62.0	18.654	1.824	2376.333	0.07%	98.33%
63.0	18.149	1.790	2378.123	0.07%	98.40%
64.0	17.688	1.759	2379.881	0.07%	98.48%
65.0	17.264	1.730	2381.611	0.07%	98.55%
66.0	16.854	1.702	2383.313	0.07%	98.62%
67.0	16.459	1.675	2384.988	0.07%	98.69%
68.0	16.101	1.649	2386.638	0.06%	98.75%
69.0	15.764	1.626	2388.263	0.06%	98.82%
70.0	15.406	1.601	2389.864	0.06%	98.89%
71.0	15.070	1.575	2391.439	0.06%	98.95%
72.0	14.784	1.552	2392.992	0.06%	99.02%
73.0	14.462	1.529	2394.521	0.06%	99.08%
74.0	14.140	1.504	2396.025	0.06%	99.14%
75.0	13.884	1.481	2397.506	0.06%	99.20%

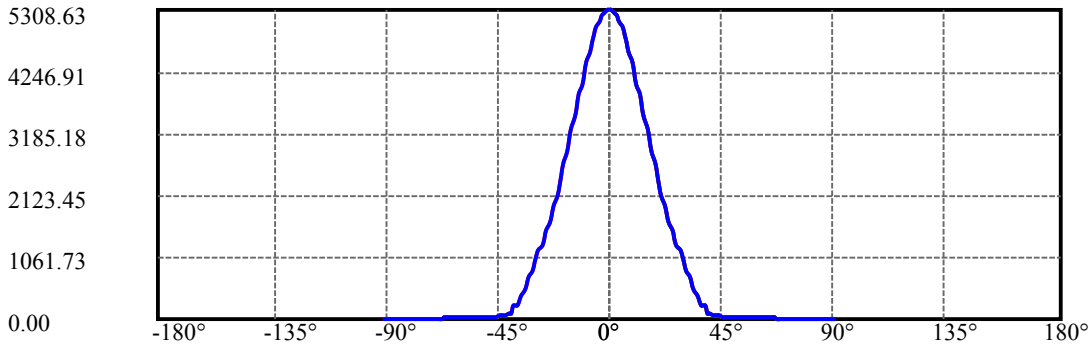
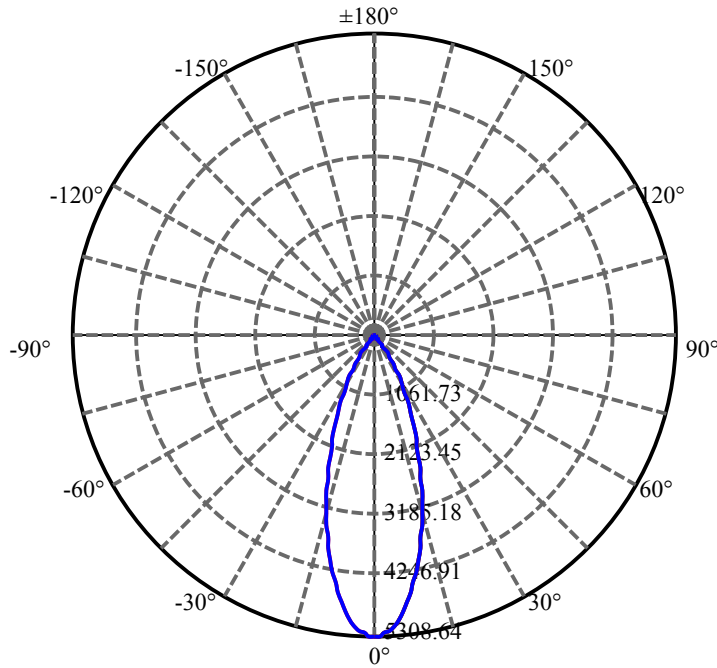
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.585	1.458	2398.964	0.06%	99.26%
77.0	13.277	1.432	2400.396	0.06%	99.32%
78.0	12.992	1.406	2401.802	0.05%	99.38%
79.0	12.677	1.379	2403.181	0.05%	99.44%
80.0	12.348	1.349	2404.53	0.05%	99.50%
81.0	12.070	1.321	2405.851	0.05%	99.55%
82.0	11.785	1.294	2407.145	0.05%	99.60%
83.0	11.536	1.268	2408.412	0.05%	99.66%
84.0	11.309	1.245	2409.657	0.05%	99.71%
85.0	11.119	1.224	2410.881	0.05%	99.76%
86.0	10.936	1.206	2412.087	0.05%	99.81%
87.0	10.739	1.186	2413.273	0.05%	99.86%
88.0	10.563	1.167	2414.44	0.05%	99.91%
89.0	10.439	1.151	2415.591	0.04%	99.95%
90.0	10.388	1.142	2416.733	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2045.74	79.88%	84.65%
0-40	2311.34	90.25%	95.64%
0-60	2372.65	92.65%	98.18%
0-90	2415.59	94.32%	99.95%
0-120	2415.59	94.32%	99.95%
0-180	2416.73	94.37%	100.00%
60-90	42.94	1.68%	1.78%
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%
0-28.02	1933.39	75.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	452.66
10-20	893.29
20-30	699.79
30-40	265.60
40-50	39.49
50-60	21.82
60-70	17.22
70-80	14.67
80-90	11.06
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: ———

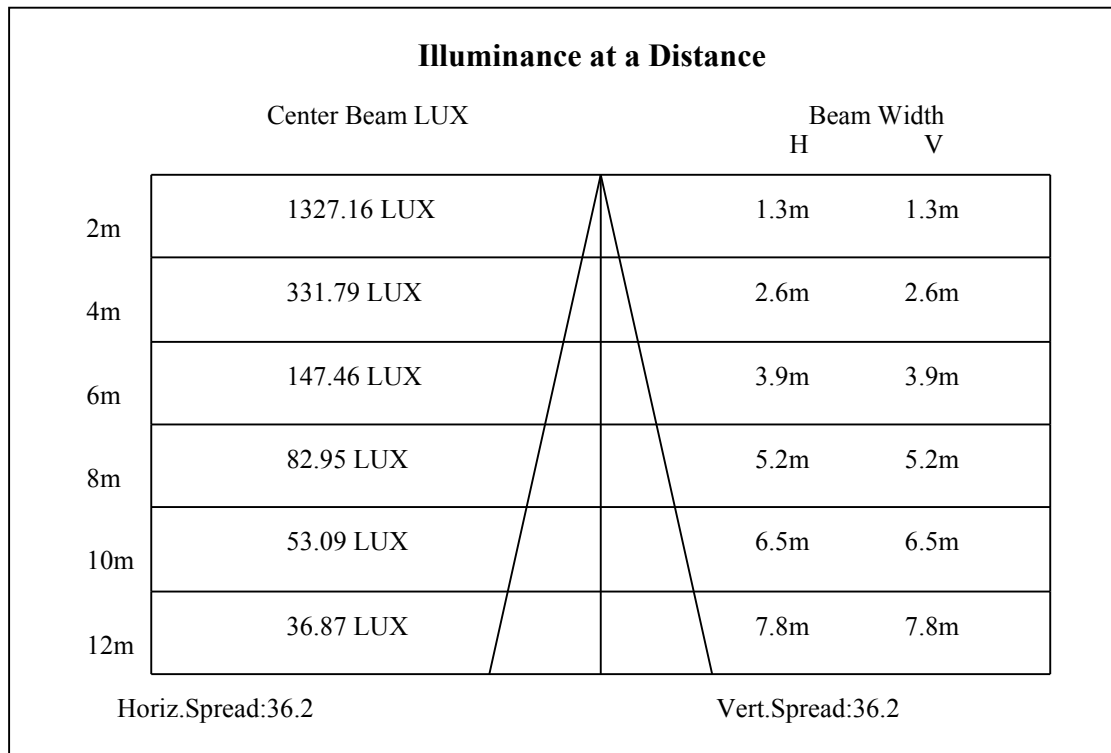
C90/C270: ———

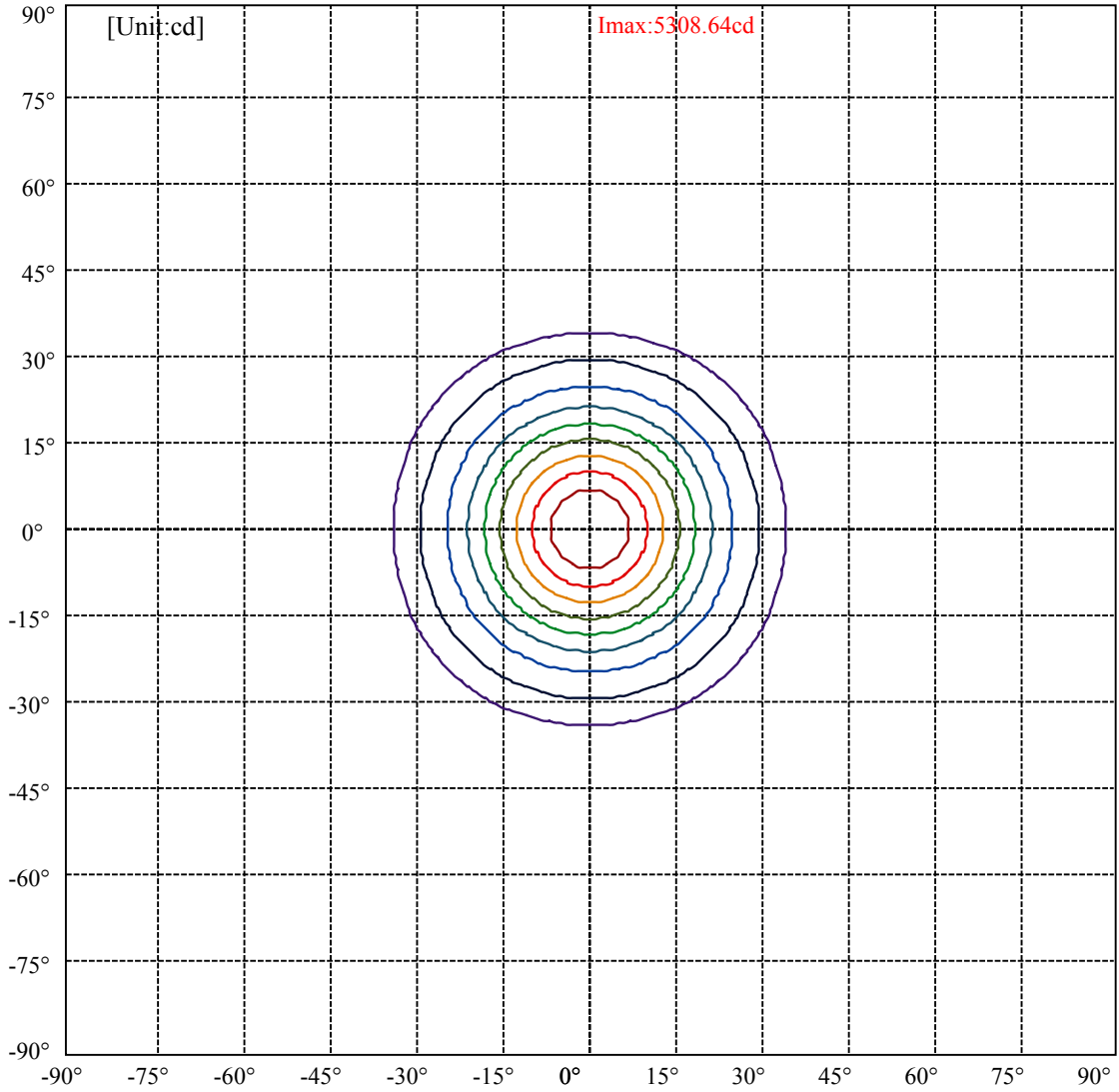
Field angle(10%Imax):C0/180Left:33.6 Right:33.6

:C90/270Left:33.6 Right:33.6

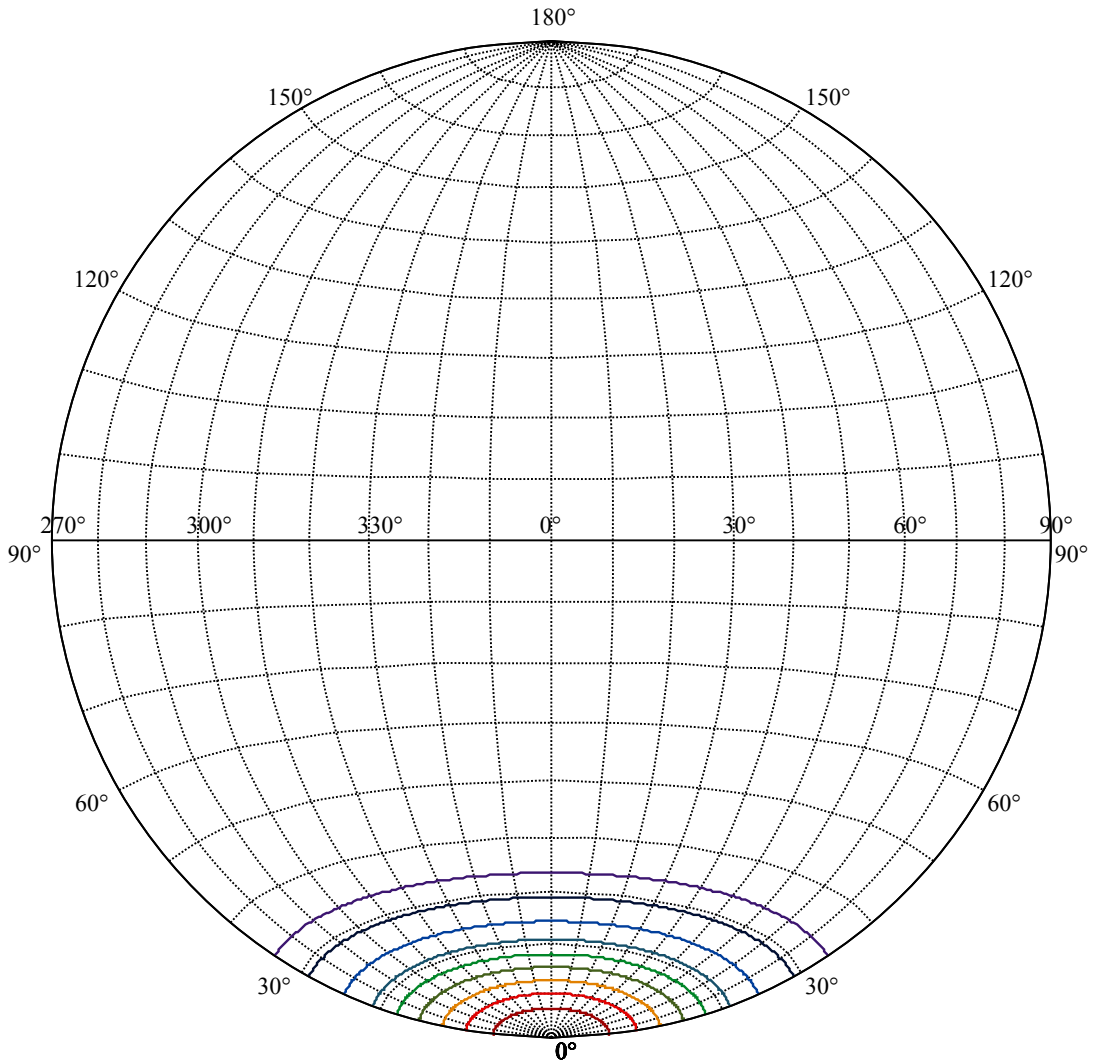
Beam Angle(50%Imax):C0/180Left:18.0 Right:18.0

:C90/270Left:18.0 Right:18.0





(10%Imax) 530.863	—
(20%Imax) 1061.73	—
(30%Imax) 1592.59	—
(40%Imax) 2123.45	—
(50%Imax) 2654.32	—
(60%Imax) 3185.18	—
(70%Imax) 3716.04	—
(80%Imax) 4246.91	—
(90%Imax) 4777.77	—



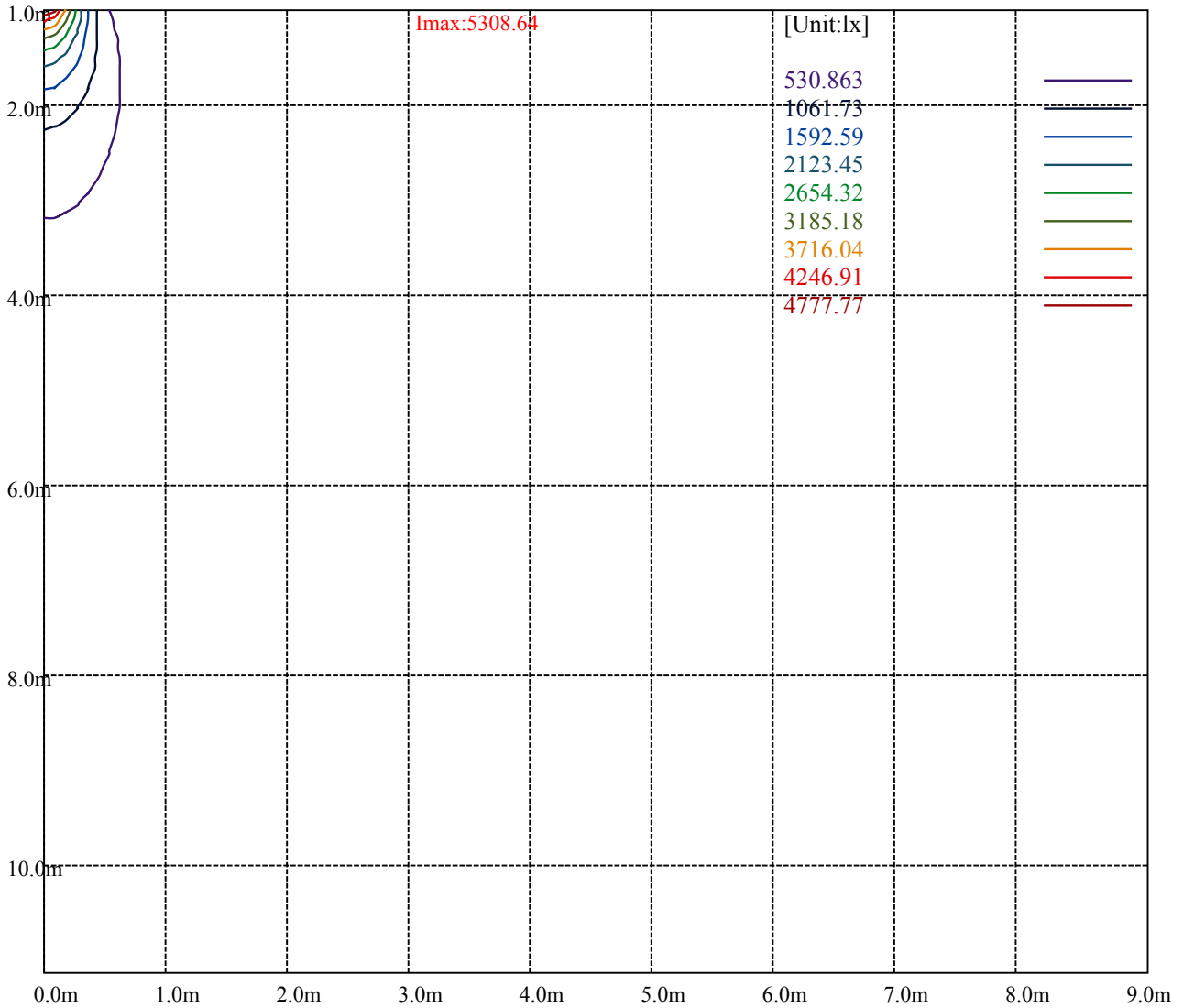
House

[Unit:cd]

Road

Imax:5308.64

(10%Imax)	530.863	—
(20%Imax)	1061.73	—
(30%Imax)	1592.59	—
(40%Imax)	2123.45	—
(50%Imax)	2654.32	—
(60%Imax)	3185.18	—
(70%Imax)	3716.04	—
(80%Imax)	4246.91	—
(90%Imax)	4777.77	—



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

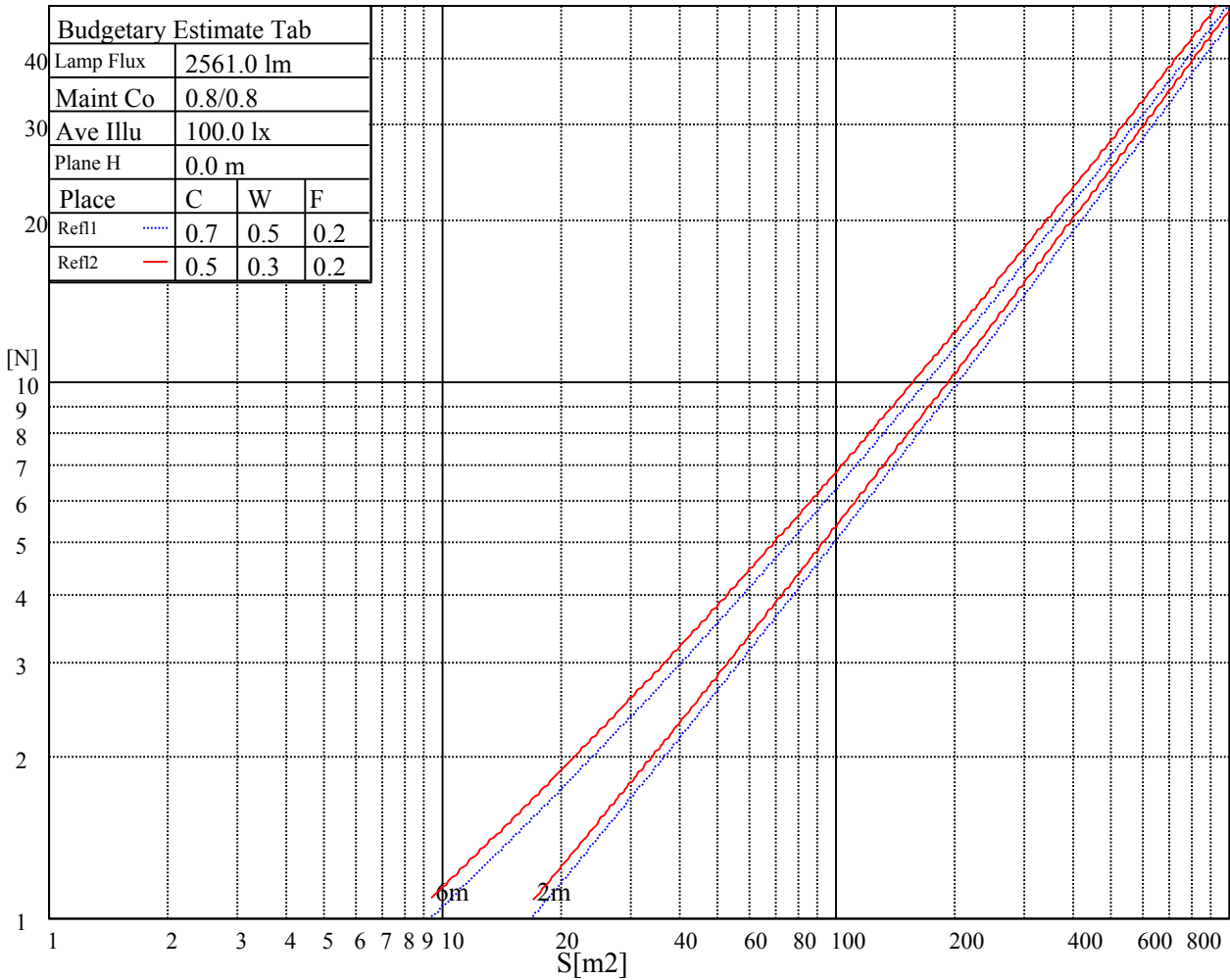
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

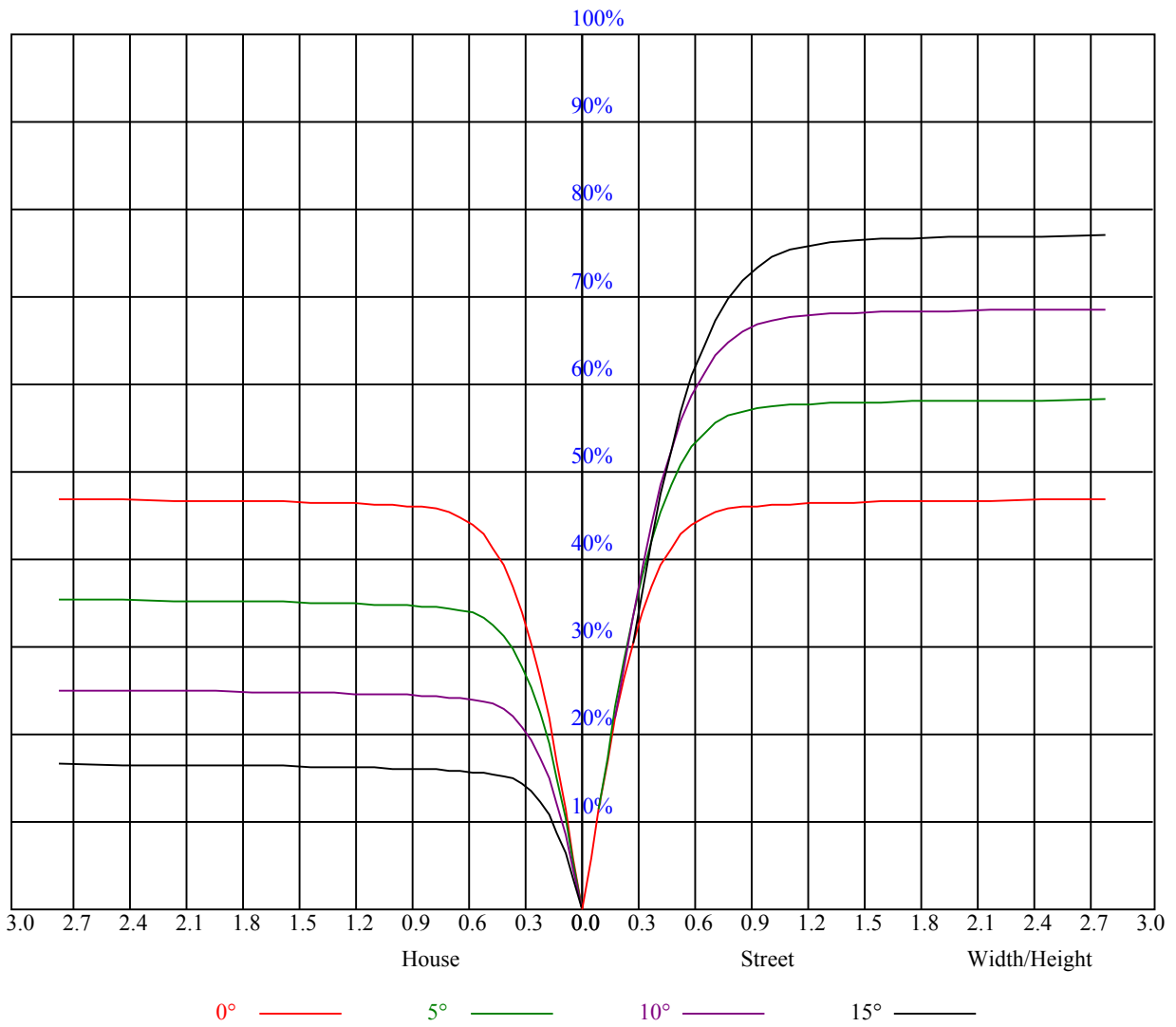


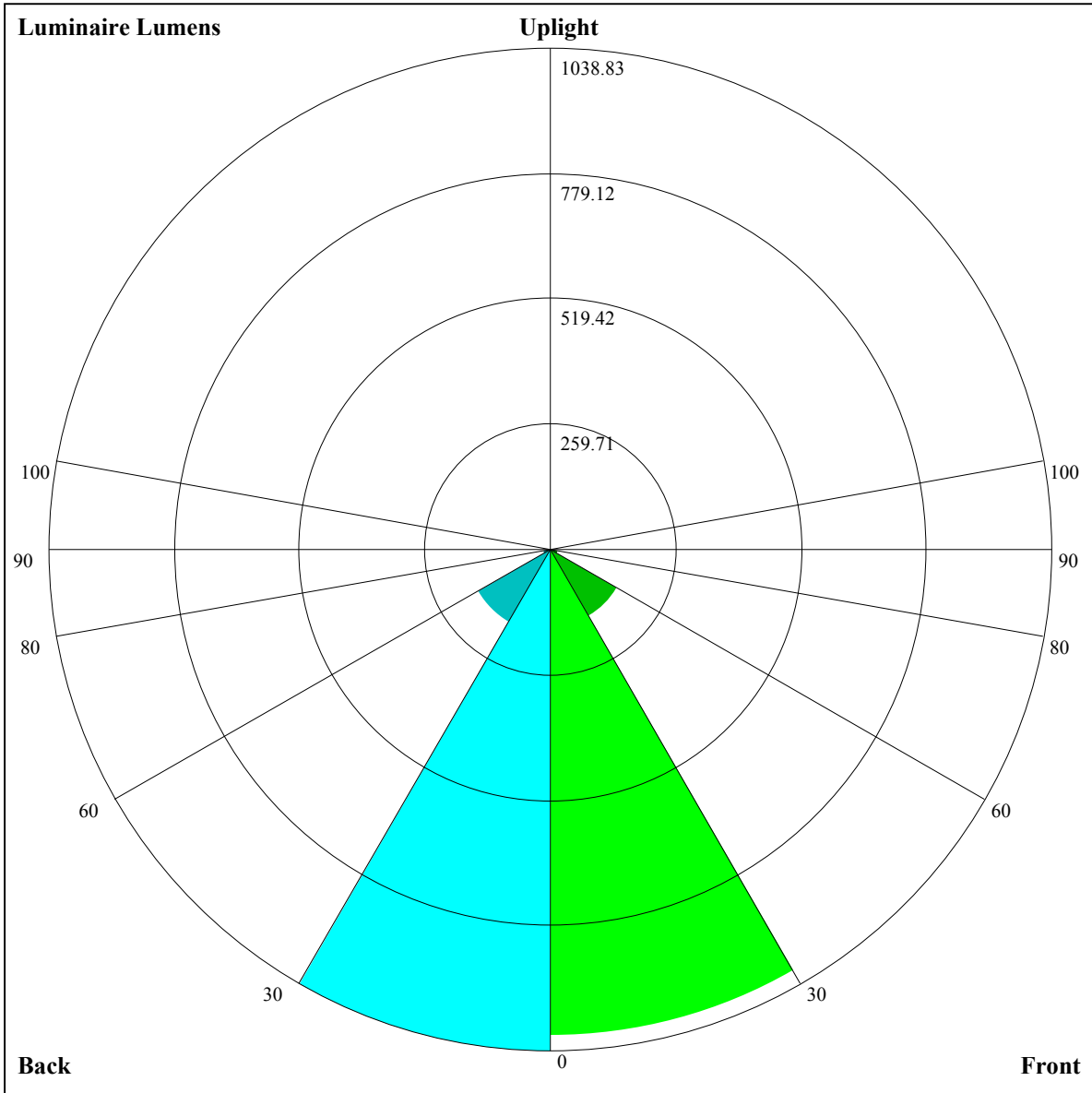
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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





Luminaire Lumens:

FL=1008.76,FM=158.18,FH=15.9,FVH=6.09

BL=1038.83,BM=172.74,BH=15.99,BVH=6.13

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	5320.34	5285.81	5224.36	5147.11	5054.65	4918.29	4781.35	4633.87	4476.44
45.0	5296.34	5316.24	5288.74	5250.11	5180.47	5099.12	4988.52	4845.14	4692.39
90.0	5308.63	5286.98	5226.70	5168.18	5079.23	4979.74	4829.92	4678.35	4525.60
135.0	5309.22	5316.83	5294.59	5240.75	5166.42	5070.45	4973.30	4821.73	4690.64
180.0	5320.34	5309.22	5283.47	5234.90	5165.84	5067.52	4962.77	4803.59	4664.30
225.0	5296.34	5277.62	5237.24	5167.01	5056.40	4952.23	4821.14	4691.81	4502.19
270.0	5308.63	5312.73	5285.23	5243.67	5171.11	5065.77	4960.43	4835.77	4651.43
315.0	5309.22	5288.15	5226.12	5149.45	5035.92	4918.29	4786.61	4586.47	4417.92
360.0	5320.34	5285.81	5224.36	5147.11	5054.65	4918.29	4781.35	4633.87	4476.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4300.88	4075.57	3892.98	3702.19	3469.27	3287.85	3055.52	2873.51	2686.24
45.0	4494.00	4324.87	4154.57	3979.59	3754.28	3562.91	3370.95	3183.68	2997.58
90.0	4320.19	4149.30	3967.30	3786.46	3564.08	3383.83	3159.69	2969.49	2786.31
135.0	4535.55	4375.79	4162.18	3979.59	3760.13	3587.49	3407.24	3183.10	3002.85
180.0	4514.48	4344.77	4135.84	3955.01	3775.34	3598.61	3425.38	3206.51	3022.16
225.0	4332.48	4162.76	3942.13	3765.40	3548.28	3376.22	3199.48	2964.22	2776.37
270.0	4503.95	4332.48	4115.95	3946.82	3764.23	3582.81	3407.24	3182.51	2995.24
315.0	4240.60	4062.69	3845.57	3678.20	3493.27	3269.13	3087.71	2901.60	2710.82
360.0	4300.88	4075.57	3892.98	3702.19	3469.27	3287.85	3055.52	2873.51	2686.24
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2470.88	2301.75	2144.91	1986.31	1840.01	1671.46	1560.27	1446.73	1149.97
45.0	2768.76	2593.78	2376.07	2208.11	2046.59	1865.17	1728.81	1604.75	1458.44
90.0	2558.08	2386.02	2216.31	2058.88	1904.97	1729.40	1605.92	1488.29	1302.77
135.0	2824.94	2647.03	2432.25	2261.37	2098.68	1944.76	1772.71	1644.54	1528.67
180.0	2789.24	2604.31	2420.55	2211.04	2060.05	1906.14	1730.57	1611.77	1501.16
225.0	2590.26	2405.92	2236.20	2030.20	1880.39	1745.78	1618.79	1475.41	1295.16
270.0	2764.08	2569.78	2383.68	2171.83	2010.31	1862.83	1687.26	1570.80	1451.42
315.0	2488.44	2308.19	2103.36	1945.93	1801.38	1639.86	1520.47	1404.01	1146.22
360.0	2470.88	2301.75	2144.91	1986.31	1840.01	1671.46	1560.27	1446.73	1149.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1149.97	1091.97	981.60	844.54	734.46	629.47	506.28	411.71	303.09
45.0	1347.25	1236.64	1127.20	992.01	878.48	767.29	664.87	541.98	449.51
90.0	1164.89	1137.44	1032.04	892.59	780.81	674.53	546.89	452.14	340.37
135.0	1387.04	1284.04	1183.97	1046.44	938.76	798.89	691.21	588.21	486.97
180.0	1388.21	1268.24	1165.83	1055.80	905.99	799.48	691.79	560.70	464.14
225.0	1155.29	1127.32	1018.35	876.49	763.19	657.68	556.78	439.56	353.30
270.0	1349.59	1218.50	1107.89	1003.72	889.60	748.56	642.05	520.32	426.69
315.0	1146.22	1062.94	957.14	843.43	706.31	601.55	500.78	406.61	300.81
360.0	1149.97	1091.97	981.60	844.54	734.46	629.47	506.28	411.71	303.09
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	229.29	167.14	121.67	90.53	79.65	70.46	62.44	55.83	51.27
45.0	361.73	299.69	299.69	135.13	96.15	82.05	72.28	62.62	57.12
90.0	260.78	191.72	136.42	94.86	80.47	71.28	63.20	55.89	51.27
135.0	371.09	306.72	306.72	149.93	103.23	84.62	74.79	66.07	57.41
180.0	372.85	309.64	309.64	140.69	104.81	85.62	73.33	64.26	57.47
225.0	274.41	187.74	134.13	99.25	81.93	69.82	61.21	55.01	49.33
270.0	340.07	298.52	298.52	121.32	90.77	74.15	65.02	57.64	52.55
315.0	226.01	165.62	110.84	87.02	73.04	64.43	57.59	52.85	47.58
360.0	229.29	167.14	121.67	90.53	79.65	70.46	62.44	55.83	51.27

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	47.11	43.25	38.92	36.17	33.24	31.19	29.55	27.68	26.34
45.0	52.20	47.81	42.90	39.33	36.28	33.65	30.90	29.14	27.56
90.0	46.88	43.01	38.68	35.76	32.71	30.67	28.91	27.04	25.69
135.0	52.79	48.52	43.66	39.97	36.69	33.30	31.13	29.20	27.39
180.0	51.79	47.40	43.66	39.21	36.28	33.77	31.13	29.26	27.74
225.0	45.30	41.49	37.40	34.59	32.19	29.61	28.03	26.57	25.28
270.0	47.40	43.48	39.97	36.64	33.18	31.02	29.09	27.10	25.75
315.0	43.77	40.20	36.93	33.53	31.37	29.44	27.39	26.04	24.81
360.0	47.11	43.25	38.92	36.17	33.24	31.19	29.55	27.68	26.34
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.16	24.11	23.00	22.18	21.42	20.72	20.01	19.43	18.84
45.0	25.87	24.64	23.58	22.47	21.65	20.78	20.13	19.55	19.02
90.0	24.52	23.53	22.41	21.65	20.89	20.25	19.55	19.02	18.55
135.0	25.98	24.70	23.64	22.53	21.71	20.95	20.37	19.61	19.08
180.0	26.34	24.81	23.76	22.88	22.06	21.13	20.48	19.90	19.14
225.0	23.82	22.88	22.00	21.24	20.42	19.84	19.31	18.67	18.14
270.0	24.23	23.23	22.36	21.48	20.78	20.13	19.61	18.96	18.43
315.0	23.47	22.59	21.59	20.89	20.25	19.66	19.02	18.49	18.02
360.0	25.16	24.11	23.00	22.18	21.42	20.72	20.01	19.43	18.84
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.26	17.85	17.26	16.91	16.50	16.09	15.74	15.39	15.10
45.0	18.43	18.02	17.56	17.15	16.68	16.33	16.04	15.57	15.27
90.0	18.02	17.62	17.15	16.74	16.44	16.09	15.68	15.33	15.04
135.0	18.55	18.02	17.62	17.09	16.74	16.39	16.09	15.68	15.33
180.0	18.67	18.02	17.62	17.21	16.68	16.33	15.98	15.63	15.22
225.0	17.62	17.21	16.85	16.50	16.09	15.80	15.45	15.16	14.81
270.0	18.02	17.62	17.26	16.80	16.44	16.04	15.74	15.45	15.04
315.0	17.62	17.15	16.80	16.44	16.09	15.74	15.39	15.04	14.75
360.0	18.26	17.85	17.26	16.91	16.50	16.09	15.74	15.39	15.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.81	14.40	14.10	13.87	13.46	13.17	12.93	12.52	12.23
45.0	14.98	14.63	14.34	14.05	13.69	13.40	13.17	12.87	12.47
90.0	14.75	14.40	14.10	13.87	13.64	13.23	12.93	12.58	12.29
135.0	15.04	14.75	14.34	14.10	13.87	13.52	13.23	12.99	12.58
180.0	14.92	14.63	14.34	13.99	13.69	13.46	13.11	12.82	12.52
225.0	14.51	14.28	13.93	13.69	13.40	13.05	12.82	12.52	12.17
270.0	14.81	14.51	14.16	13.93	13.64	13.40	13.11	12.76	12.47
315.0	14.46	14.10	13.81	13.58	13.28	12.99	12.64	12.35	12.06
360.0	14.81	14.40	14.10	13.87	13.46	13.17	12.93	12.52	12.23
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.00	11.70	11.47	11.29	11.06	10.94	10.71	10.53	10.42
45.0	12.23	11.88	11.65	11.35	11.18	10.94	10.83	10.59	10.48
90.0	12.06	11.76	11.47	11.24	11.06	10.89	10.65	10.53	10.36
135.0	12.29	12.00	11.70	11.53	11.29	11.06	10.83	10.71	10.59
180.0	12.17	11.94	11.65	11.41	11.24	11.06	10.89	10.65	10.53
225.0	11.88	11.65	11.47	11.18	11.06	10.89	10.65	10.48	10.36
270.0	12.17	11.82	11.59	11.35	11.12	10.94	10.77	10.59	10.42
315.0	11.76	11.53	11.29	11.12	10.94	10.77	10.59	10.42	10.36
360.0	12.00	11.70	11.47	11.29	11.06	10.94	10.71	10.53	10.42

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.48
45.0	10.42
90.0	10.48
135.0	10.36
180.0	10.36
225.0	10.36
270.0	10.30
315.0	10.36
360.0	10.48