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NT

Client:

LumCAT: 1-1488-L

Luminaire: 92.70.427.00

Report No: 2024923-B016

Ballast type: AC

Test No: 2024923-C016

Voltage(V): 36.290

LampCAT: CITIZEN CLU028 LES9.8

Current(A): 0.360

Lamp flux(lm): 1715.0

Power (W): 13.064

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1383.82, Efficiency(%): 80.69% , Luminous Efficacy(lm/W): 105.93

Central intensity(cd): 6885.231, Maximum intensity(cd): 6885.231

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.4

[C90/270]Total=19.4

Field angle(10%Imax): [C0/180]Total=48.8

[C90/270]Total=48.8

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 80.69%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.016%

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	6885.231	0.000	0	0.00%	0.00%
1.0	6839.583	6.567	6.567	0.38%	0.47%
2.0	6711.711	19.450	26.017	1.13%	1.88%
3.0	6510.687	31.624	57.641	1.84%	4.17%
4.0	6194.738	42.529	100.17	2.48%	7.24%
5.0	5794.079	51.575	151.745	3.01%	10.97%
6.0	5360.427	58.620	210.365	3.42%	15.20%
7.0	4857.060	63.420	273.785	3.70%	19.78%
8.0	4317.629	65.662	339.446	3.83%	24.53%
9.0	3776.150	65.596	405.042	3.82%	29.27%
10.0	3283.244	63.885	468.927	3.73%	33.89%
11.0	2827.793	61.062	529.989	3.56%	38.30%
12.0	2459.906	57.802	587.791	3.37%	42.48%
13.0	2128.888	54.457	642.248	3.18%	46.41%
14.0	1884.922	51.376	693.625	3.00%	50.12%
15.0	1694.358	49.138	742.763	2.87%	53.67%
16.0	1470.049	46.367	789.13	2.70%	57.03%
17.0	1306.954	43.245	832.375	2.52%	60.15%
18.0	1219.236	41.651	874.027	2.43%	63.16%
19.0	1115.856	40.626	914.653	2.37%	66.10%
20.0	1014.049	38.983	953.636	2.27%	68.91%
21.0	922.761	37.191	990.827	2.17%	71.60%
22.0	849.279	35.610	1026.436	2.08%	74.17%
23.0	779.725	34.181	1060.617	1.99%	76.64%
24.0	715.160	32.684	1093.301	1.91%	79.01%
25.0	642.109	30.861	1124.162	1.80%	81.24%
26.0	575.613	28.744	1152.907	1.68%	83.31%
27.0	507.844	26.507	1179.414	1.55%	85.23%
28.0	437.200	23.926	1203.34	1.40%	86.96%
29.0	372.335	21.180	1224.52	1.23%	88.49%
30.0	307.499	18.355	1242.875	1.07%	89.82%
31.0	261.230	15.827	1258.702	0.92%	90.96%
32.0	220.915	13.813	1272.515	0.81%	91.96%
33.0	172.159	11.580	1284.095	0.68%	92.79%
34.0	120.973	8.871	1292.966	0.52%	93.43%
35.0	96.343	6.749	1299.715	0.39%	93.92%
36.0	80.732	5.638	1305.353	0.33%	94.33%
37.0	68.625	4.871	1310.224	0.28%	94.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	59.415	4.274	1314.498	0.25%	94.99%
39.0	52.136	3.808	1318.306	0.22%	95.27%
40.0	45.918	3.420	1321.726	0.20%	95.51%
41.0	40.695	3.084	1324.81	0.18%	95.74%
42.0	36.182	2.793	1327.603	0.16%	95.94%
43.0	32.312	2.537	1330.14	0.15%	96.12%
44.0	29.086	2.317	1332.457	0.14%	96.29%
45.0	26.569	2.139	1334.596	0.12%	96.44%
46.0	24.265	1.988	1336.584	0.12%	96.59%
47.0	22.231	1.849	1338.433	0.11%	96.72%
48.0	20.710	1.736	1340.169	0.10%	96.85%
49.0	19.312	1.644	1341.813	0.10%	96.96%
50.0	18.091	1.559	1343.372	0.09%	97.08%
51.0	17.023	1.486	1344.858	0.09%	97.18%
52.0	16.160	1.424	1346.282	0.08%	97.29%
53.0	15.391	1.372	1347.654	0.08%	97.39%
54.0	14.726	1.327	1348.982	0.08%	97.48%
55.0	14.162	1.290	1350.271	0.08%	97.58%
56.0	13.709	1.259	1351.531	0.07%	97.67%
57.0	13.321	1.236	1352.767	0.07%	97.76%
58.0	12.948	1.215	1353.981	0.07%	97.84%
59.0	12.619	1.195	1355.177	0.07%	97.93%
60.0	12.348	1.180	1356.356	0.07%	98.02%
61.0	12.136	1.168	1357.525	0.07%	98.10%
62.0	11.895	1.158	1358.683	0.07%	98.18%
63.0	11.690	1.147	1359.83	0.07%	98.27%
64.0	11.478	1.137	1360.966	0.07%	98.35%
65.0	11.251	1.125	1362.091	0.07%	98.43%
66.0	11.017	1.111	1363.202	0.06%	98.51%
67.0	10.732	1.094	1364.296	0.06%	98.59%
68.0	10.402	1.071	1365.366	0.06%	98.67%
69.0	10.110	1.046	1366.413	0.06%	98.74%
70.0	9.795	1.022	1367.435	0.06%	98.82%
71.0	9.503	0.997	1368.433	0.06%	98.89%
72.0	9.203	0.973	1369.405	0.06%	98.96%
73.0	8.939	0.949	1370.354	0.06%	99.03%
74.0	8.720	0.928	1371.282	0.05%	99.09%
75.0	8.493	0.909	1372.192	0.05%	99.16%

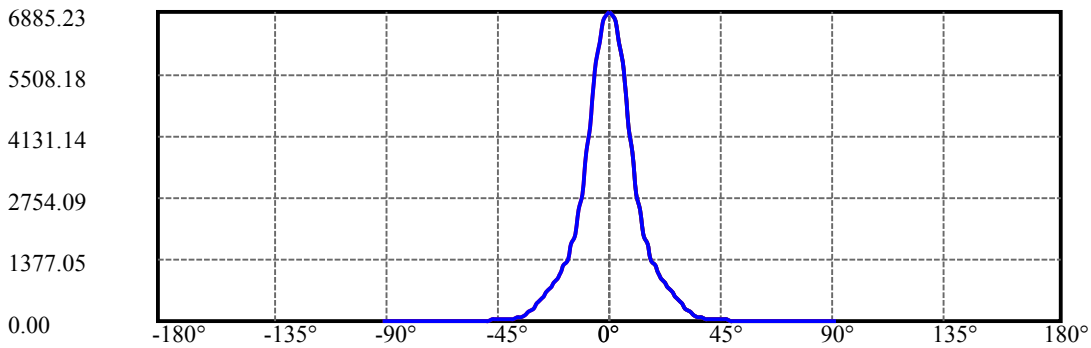
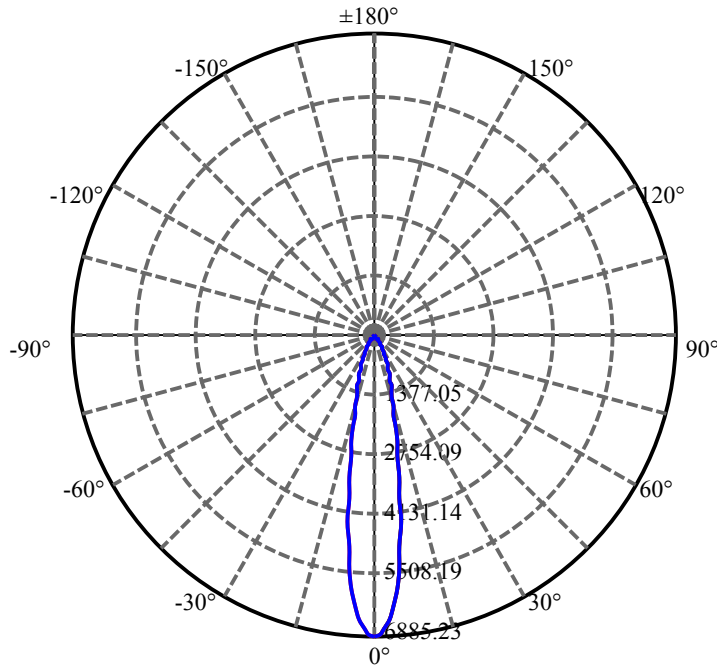
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.281	0.890	1373.082	0.05%	99.22%
77.0	8.091	0.873	1373.955	0.05%	99.29%
78.0	7.893	0.856	1374.811	0.05%	99.35%
79.0	7.681	0.837	1375.647	0.05%	99.41%
80.0	7.520	0.820	1376.467	0.05%	99.47%
81.0	7.345	0.804	1377.271	0.05%	99.53%
82.0	7.154	0.786	1378.057	0.05%	99.58%
83.0	7.008	0.770	1378.827	0.04%	99.64%
84.0	6.854	0.755	1379.582	0.04%	99.69%
85.0	6.708	0.740	1380.322	0.04%	99.75%
86.0	6.562	0.725	1381.048	0.04%	99.80%
87.0	6.437	0.711	1381.759	0.04%	99.85%
88.0	6.328	0.699	1382.458	0.04%	99.90%
89.0	6.181	0.686	1383.144	0.04%	99.95%
90.0	6.086	0.673	1383.817	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1242.88	72.47%	89.82%
0-40	1321.73	77.07%	95.51%
0-60	1356.36	79.09%	98.02%
0-90	1383.14	80.65%	99.95%
0-120	1383.14	80.65%	99.95%
0-180	1383.82	80.69%	100.00%
60-90	26.79	1.56%	1.94%
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%
0-24.45	1107.05	64.55%	80.00%

ZONAL LUMEN SUMMARY

0-10	468.93
10-20	484.71
20-30	289.24
30-40	78.85
40-50	21.65
50-60	12.98
60-70	11.08
70-80	9.03
80-90	6.68
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



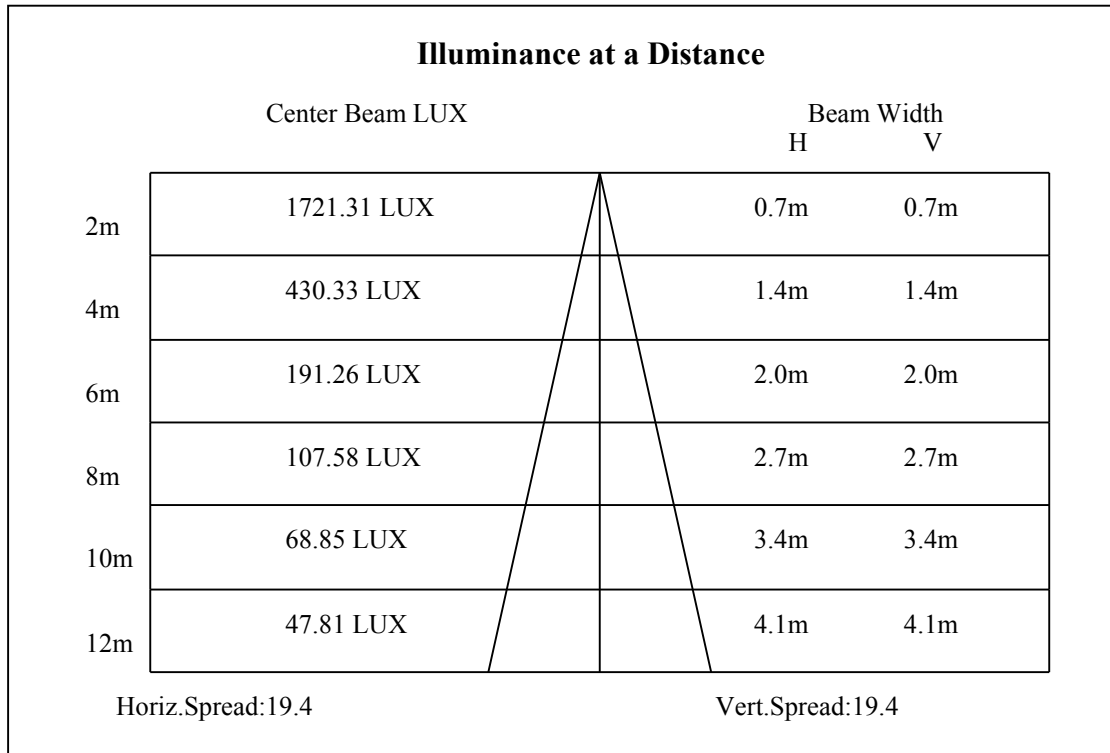
C0(Max): —————

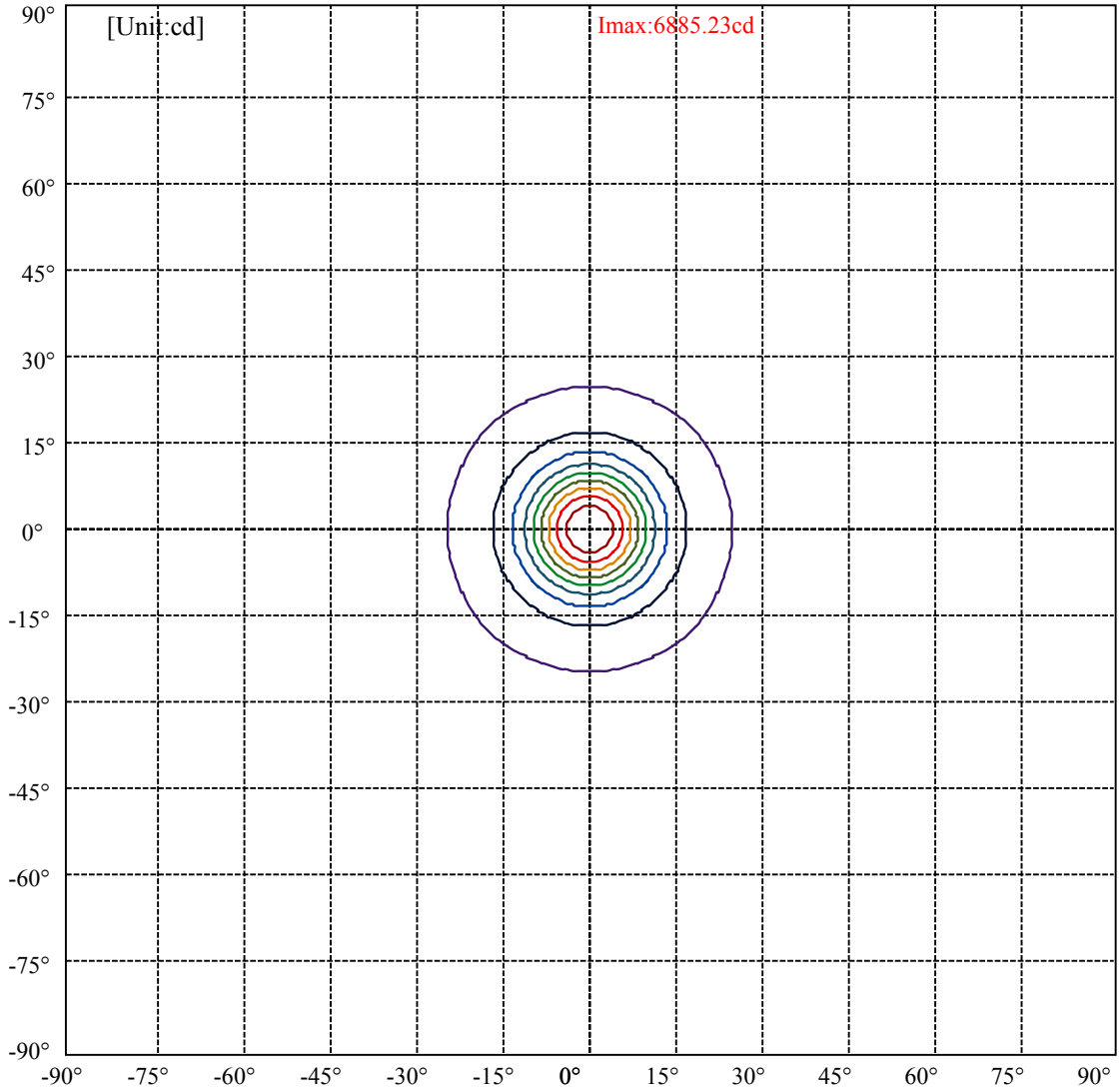
C0/C180: —————

C90/C270: —————

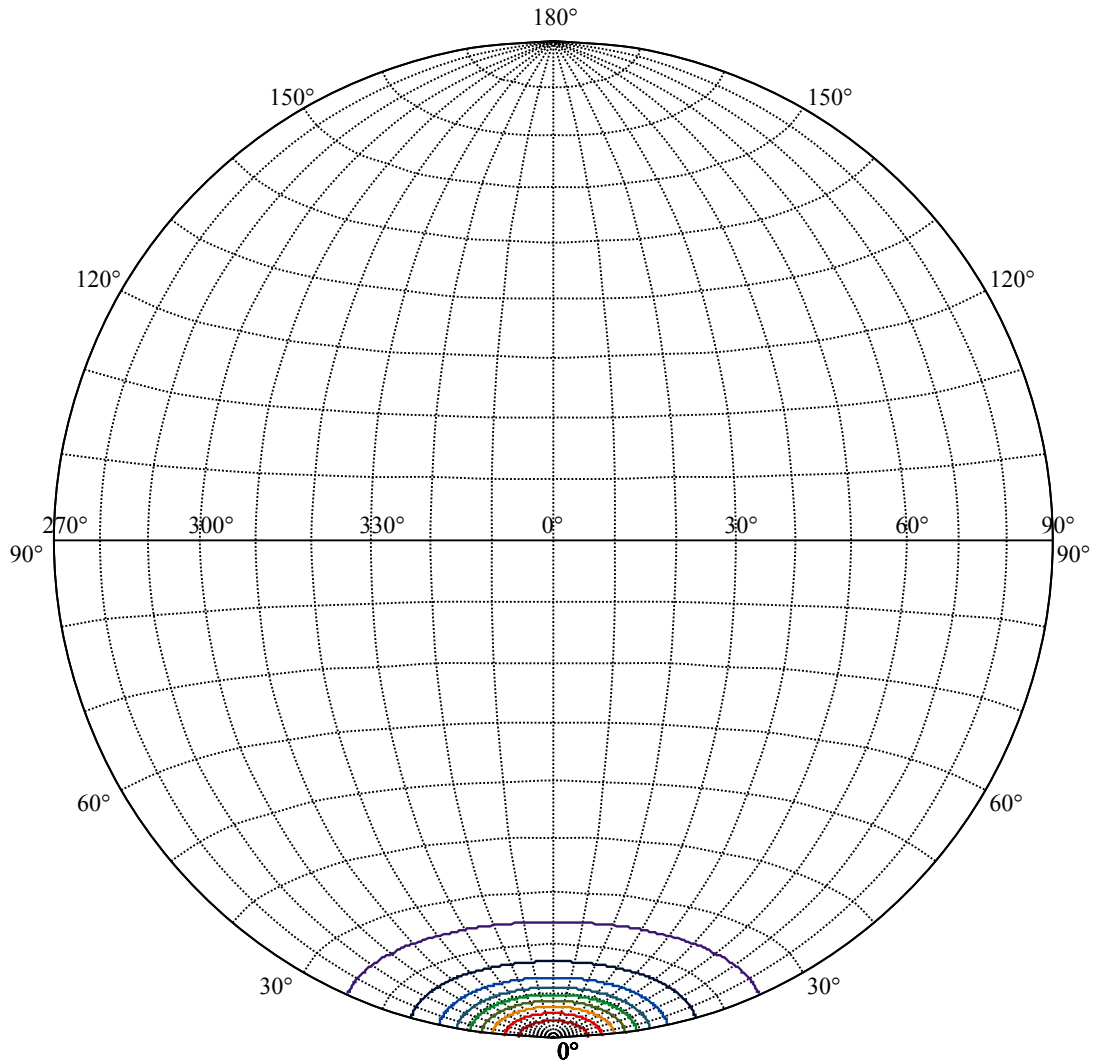
Field angle(10%Imax):C0/180Left:24.4 Right:24.4
:C90/270Left:24.4 Right:24.4

Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7





(10%Imax) 688.523	—
(20%Imax) 1377.05	—
(30%Imax) 2065.57	—
(40%Imax) 2754.09	—
(50%Imax) 3442.62	—
(60%Imax) 4131.14	—
(70%Imax) 4819.66	—
(80%Imax) 5508.18	—
(90%Imax) 6196.71	—



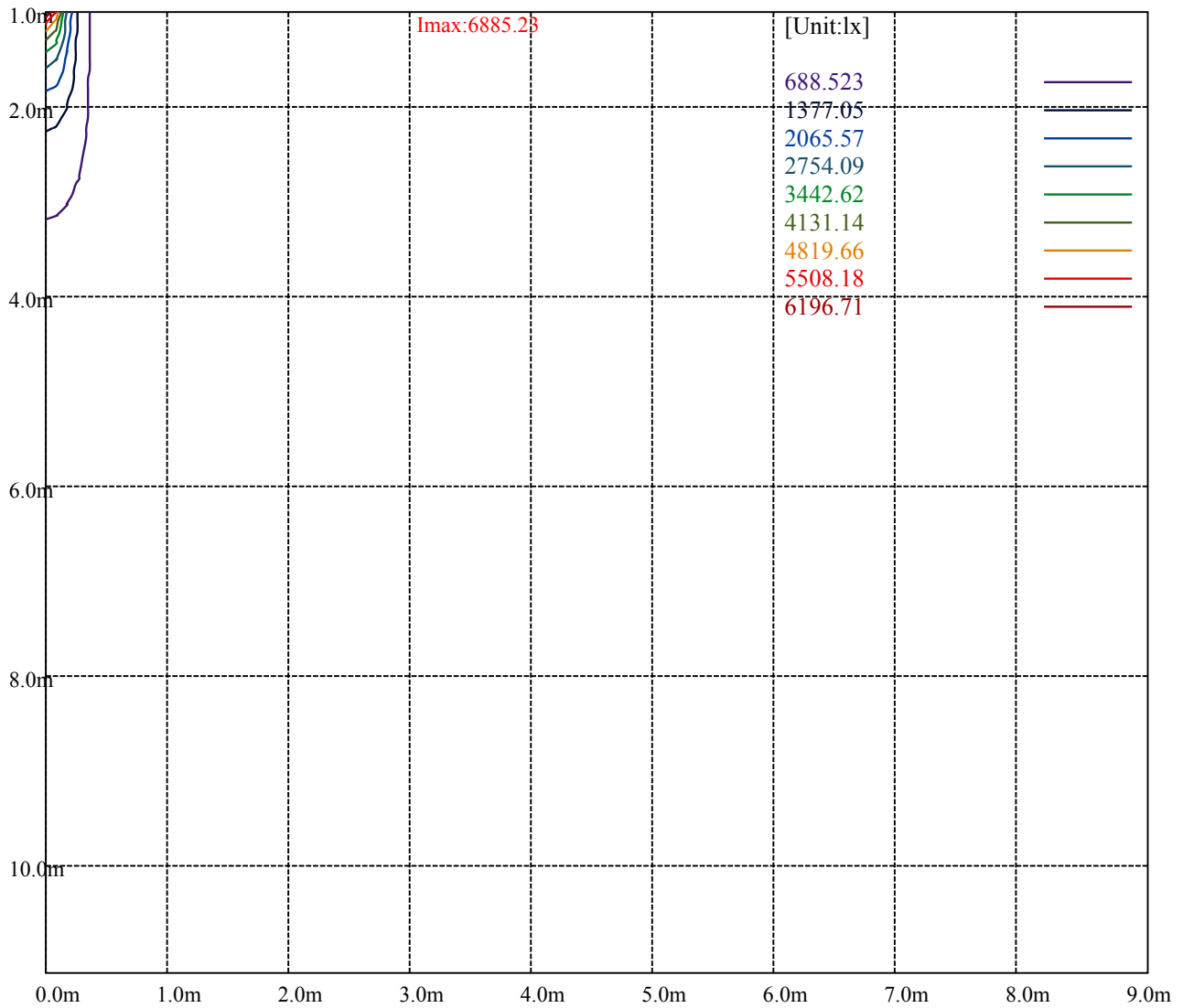
House

[Unit:cd]

Road

Imax:6885.23

(10%Imax)	688.523	—
(20%Imax)	1377.05	—
(30%Imax)	2065.57	—
(40%Imax)	2754.09	—
(50%Imax)	3442.62	—
(60%Imax)	4131.14	—
(70%Imax)	4819.66	—
(80%Imax)	5508.18	—
(90%Imax)	6196.71	—



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

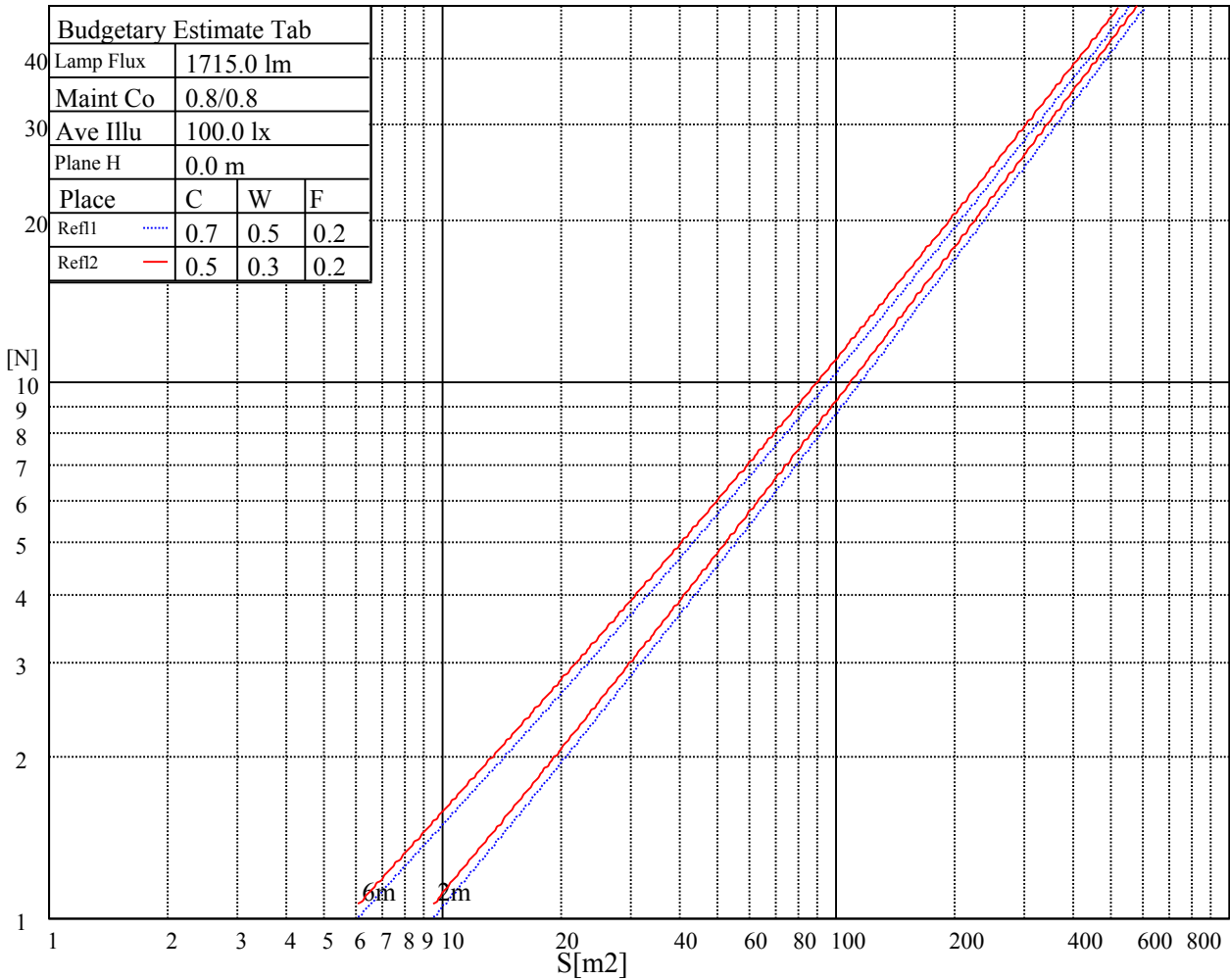
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

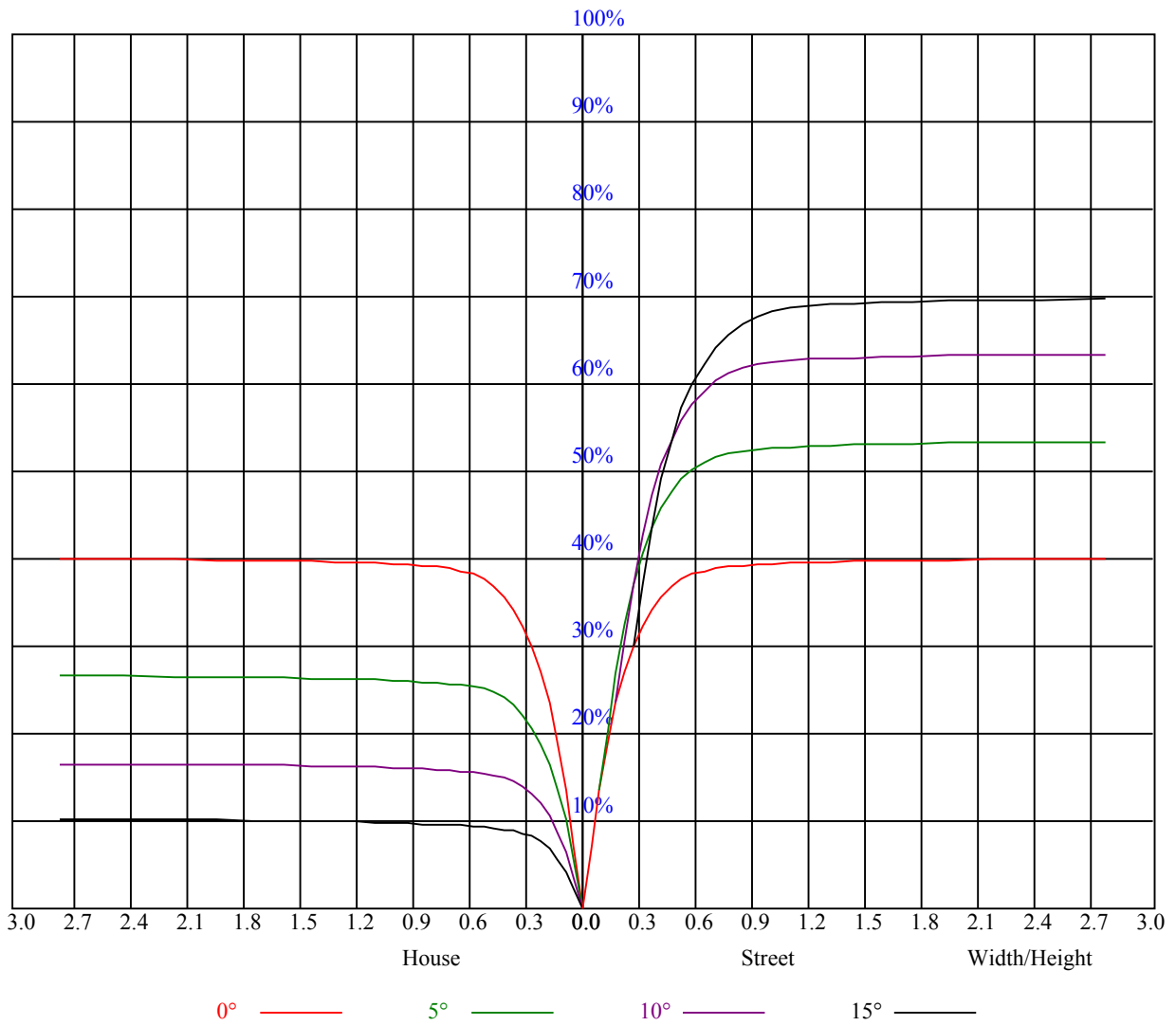


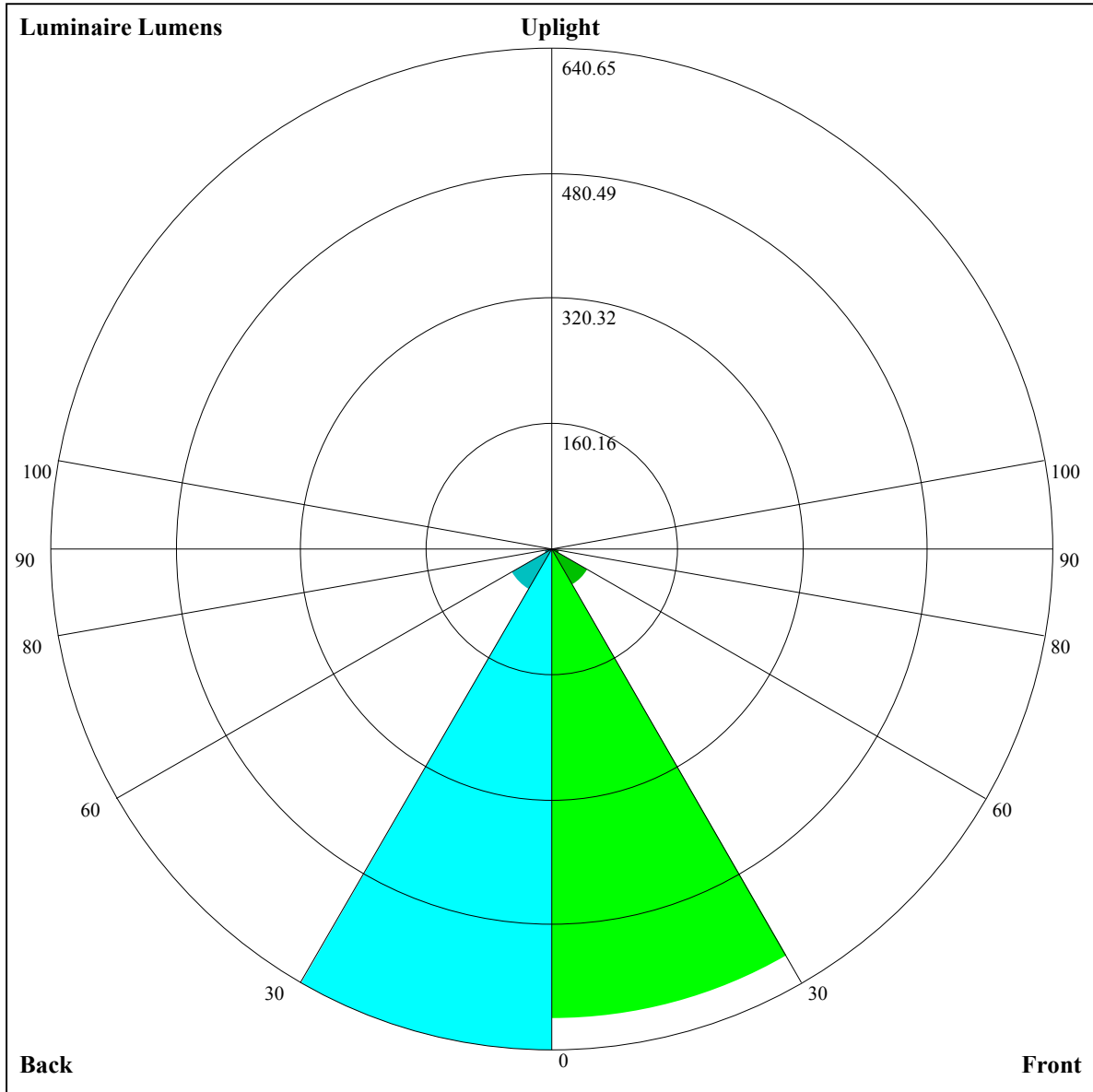
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
8H	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
12H	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	0.96	0.96	0.96	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.82	0.82	0.82	0.81
1	0.90	0.89	0.87	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77
2	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.75	0.74
3	0.81	0.78	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.75	0.73	0.72	0.71
4	0.78	0.74	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.72	0.70	0.72	0.70	0.69	0.68
5	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.71	0.69	0.67	0.70	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.64	0.63
7	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
8	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.57
10	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.61	0.58	0.56	0.61	0.58	0.56	0.56





Luminaire Lumens:

FL=600.18,FM=53.86,FH=10.01,FVH=3.65

BL=640.65,BM=60.36,BH=10.1,BVH=3.69

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	6842.51	6727.22	6542.87	6268.40	5912.00	5384.71	4913.61	4415.58	3787.63
45.0	6894.01	6895.76	6795.69	6623.64	6325.76	5982.23	5579.59	5140.67	4532.63
90.0	6909.81	6813.83	6655.24	6427.58	6042.51	5656.26	5238.99	4642.65	4141.70
135.0	6894.59	6926.78	6891.08	6767.60	6518.88	6230.95	5758.09	5330.87	4869.72
180.0	6842.51	6881.72	6820.27	6682.16	6426.41	6129.71	5764.52	5219.10	4760.28
225.0	6894.01	6807.98	6606.08	6363.21	6037.82	5543.89	5083.91	4583.54	4070.88
270.0	6909.81	6906.88	6810.91	6647.04	6343.31	6005.64	5610.61	5126.04	4508.05
315.0	6894.59	6756.48	6571.55	6305.86	5951.21	5419.24	4934.09	4398.02	3870.15
360.0	6842.51	6727.22	6542.87	6268.40	5912.00	5384.71	4913.61	4415.58	3787.63
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3311.26	2888.14	2429.91	2142.57	1858.73	1676.14	1519.89	1292.82	1151.25
45.0	4034.01	3548.28	3092.39	2695.02	2281.27	2020.84	1804.89	1581.34	1427.42
90.0	3655.96	3086.54	2691.51	2354.42	2026.11	1811.92	1636.35	1474.24	1154.77
135.0	4253.47	3772.42	3307.16	2794.51	2453.91	2170.66	1938.91	1697.21	1533.93
180.0	4152.23	3670.00	3214.70	2805.04	2386.02	2119.74	1901.45	1717.11	1516.96
225.0	3564.08	2989.39	2597.29	2272.49	1957.05	1748.71	1576.65	1302.77	1159.56
270.0	3990.71	3499.70	2921.50	2529.99	2211.04	1905.55	1705.99	1540.96	1357.78
315.0	3247.47	2811.48	2367.88	2085.22	1856.98	1625.81	1470.73	1153.95	1153.95
360.0	3311.26	2888.14	2429.91	2142.57	1858.73	1676.14	1519.89	1292.82	1151.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1126.62	1034.09	949.94	864.32	800.88	735.51	667.39	584.41	517.40
45.0	1268.24	1157.05	1056.39	945.78	874.97	813.52	738.61	673.65	609.28
90.0	1154.77	1076.64	985.11	885.97	817.73	741.66	680.27	615.07	537.88
135.0	1395.23	1276.43	1142.42	1046.44	960.41	869.70	808.25	737.44	675.99
180.0	1377.09	1252.44	1117.25	1022.45	941.69	859.17	796.55	722.23	654.93
225.0	1134.69	1042.64	956.37	883.63	812.94	756.11	696.36	630.81	565.09
270.0	1221.42	1104.96	999.04	889.60	816.45	755.58	693.55	613.96	551.34
315.0	1075.82	982.59	905.87	843.89	769.16	706.54	640.29	559.30	492.99
360.0	1126.62	1034.09	949.94	864.32	800.88	735.51	667.39	584.41	517.40
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	451.38	372.03	314.38	246.85	198.22	155.90	115.29	93.28	79.30
45.0	545.49	477.60	398.60	341.83	300.28	300.28	175.86	137.59	102.18
90.0	473.04	410.42	352.54	286.41	238.60	193.83	154.67	115.52	94.28
135.0	608.11	540.81	457.12	392.74	331.30	302.62	302.62	163.22	125.88
180.0	584.70	516.23	451.27	365.24	306.13	306.13	237.43	145.49	114.41
225.0	482.34	417.91	354.65	282.14	229.41	170.36	131.79	102.77	80.41
270.0	489.31	411.47	356.46	304.38	304.38	195.29	145.66	115.00	93.46
315.0	428.38	351.14	293.67	240.41	181.54	142.91	113.94	94.92	80.82
360.0	451.38	372.03	314.38	246.85	198.22	155.90	115.29	93.28	79.30
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	69.76	61.45	52.61	46.58	41.61	37.28	32.71	29.61	26.39
45.0	84.51	73.21	62.27	54.66	48.28	41.67	37.28	33.53	30.31
90.0	80.41	68.65	60.63	52.14	46.58	41.79	37.57	33.07	30.08
135.0	96.74	73.80	63.15	55.71	47.64	42.49	37.16	33.53	30.31
180.0	93.58	79.94	68.65	60.69	52.26	46.41	41.49	36.28	32.66
225.0	69.99	61.57	54.37	46.58	41.43	37.16	33.47	29.50	26.98
270.0	79.06	66.83	58.76	51.85	46.00	39.74	35.64	32.19	28.56
315.0	71.81	63.56	54.89	48.87	43.54	39.03	34.12	30.78	27.39
360.0	69.76	61.45	52.61	46.58	41.61	37.28	32.71	29.61	26.39

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	24.29	22.41	20.48	19.20	18.08	16.91	16.09	15.45	14.81
45.0	27.56	24.76	22.82	21.19	19.43	18.26	17.26	16.15	15.45
90.0	27.45	25.22	22.94	21.30	19.96	18.73	17.50	16.62	15.63
135.0	27.56	24.76	22.82	21.13	19.61	18.02	17.03	16.09	15.22
180.0	29.67	27.15	24.46	22.71	21.19	19.84	18.43	17.44	16.56
225.0	24.76	22.47	20.83	19.49	18.02	17.09	16.04	15.33	14.69
270.0	26.22	24.23	22.41	21.01	19.78	18.38	17.44	16.56	15.74
315.0	25.05	23.12	21.07	19.66	18.43	17.50	16.39	15.63	15.04
360.0	24.29	22.41	20.48	19.20	18.08	16.91	16.09	15.45	14.81
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.28	13.75	13.40	13.05	12.70	12.47	12.23	12.06	11.82
45.0	14.69	14.22	13.75	13.46	13.05	12.70	12.41	12.17	11.88
90.0	15.04	14.46	13.93	13.52	13.23	12.82	12.58	12.35	12.17
135.0	14.57	13.99	13.46	13.11	12.64	12.35	12.11	11.88	11.59
180.0	15.63	15.04	14.51	13.99	13.58	13.17	12.82	12.58	12.35
225.0	14.16	13.64	13.23	12.87	12.58	12.29	12.00	11.82	11.59
270.0	14.92	14.34	13.87	13.40	12.99	12.64	12.35	12.11	11.88
315.0	14.51	13.87	13.52	13.17	12.82	12.52	12.29	12.11	11.88
360.0	14.28	13.75	13.40	13.05	12.70	12.47	12.23	12.06	11.82
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.65	11.41	11.24	10.94	10.59	10.30	10.01	9.77	9.36
45.0	11.70	11.53	11.29	11.12	10.89	10.48	10.18	9.77	9.48
90.0	11.94	11.70	11.41	11.18	10.77	10.48	10.12	9.77	9.54
135.0	11.41	11.29	11.12	10.89	10.71	10.48	10.24	9.89	9.66
180.0	12.11	11.88	11.70	11.53	11.24	10.94	10.65	10.30	10.07
225.0	11.35	11.18	10.89	10.65	10.42	10.01	9.77	9.48	9.25
270.0	11.65	11.41	11.18	10.94	10.65	10.36	10.01	9.77	9.36
315.0	11.70	11.41	11.18	10.89	10.59	10.18	9.89	9.60	9.31
360.0	11.65	11.41	11.24	10.94	10.59	10.30	10.01	9.77	9.36
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.13	8.90	8.66	8.43	8.25	8.02	7.84	7.67	7.49
45.0	9.19	8.90	8.66	8.43	8.25	8.08	7.84	7.61	7.49
90.0	9.19	8.90	8.72	8.49	8.25	8.08	7.90	7.72	7.49
135.0	9.36	9.13	8.90	8.66	8.49	8.31	8.13	7.90	7.78
180.0	9.77	9.42	9.19	8.95	8.66	8.49	8.25	8.08	7.84
225.0	8.90	8.66	8.49	8.31	8.08	7.90	7.72	7.49	7.37
270.0	9.13	8.84	8.60	8.37	8.19	7.96	7.78	7.49	7.37
315.0	8.95	8.78	8.54	8.31	8.08	7.90	7.67	7.49	7.32
360.0	9.13	8.90	8.66	8.43	8.25	8.02	7.84	7.67	7.49
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.32	7.20	7.02	6.91	6.73	6.61	6.50	6.44	6.14
45.0	7.32	7.08	6.96	6.79	6.67	6.50	6.38	6.26	6.20
90.0	7.32	7.14	6.96	6.73	6.61	6.50	6.32	6.26	6.09
135.0	7.61	7.32	7.20	7.08	6.91	6.73	6.61	6.50	6.38
180.0	7.67	7.43	7.26	7.14	6.96	6.79	6.67	6.50	6.38
225.0	7.20	7.02	6.91	6.73	6.55	6.44	6.32	6.20	6.09
270.0	7.20	7.02	6.85	6.73	6.61	6.44	6.32	6.20	6.09
315.0	7.14	7.02	6.91	6.73	6.61	6.50	6.38	6.26	6.09
360.0	7.32	7.20	7.02	6.91	6.73	6.61	6.50	6.44	6.14

Intensity data(cd)

C/γ(°)	90.0
0.0	6.09
45.0	6.03
90.0	6.09
135.0	6.26
180.0	6.09
225.0	6.03
270.0	6.03
315.0	6.09
360.0	6.09