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Address: 380JinOu Road, GaoXin Zone, Jiang Men City, Guangdong, China

Client:

LumCAT: 4-2641-A

Luminaire: 91.70.131.00

Report No: 20230304-B003

Ballast type: DC

Test No: 20230304-C003

LampCAT: CITIZEN CLU038

Lamp flux(lm): 2186.2

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.310

Current(A): 0.431

Power (W): 15.218

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1997.67, Efficiency(%): 91.38% , Luminous Efficacy(lm/W): 131.27

Central intensity(cd): 8894.966, Maximum intensity(cd): 8894.966

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.2

[C90/270]Total=23.2

Field angle(10%Imax): [C0/180]Total=42.4

[C90/270]Total=42.4

Maximum s/h(1/2): C0_180=0.40 C90_270=0.40

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.38%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.568%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/12/29
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8894.966	0.000	0	0.00%	0.00%
1.0	8876.069	8.503	8.503	0.39%	0.43%
2.0	8812.059	25.388	33.891	1.16%	1.70%
3.0	8665.515	41.801	75.691	1.91%	3.79%
4.0	8442.562	57.266	132.958	2.62%	6.66%
5.0	8175.242	71.489	204.447	3.27%	10.23%
6.0	7800.816	83.958	288.405	3.84%	14.44%
7.0	7390.388	94.292	382.696	4.31%	19.16%
8.0	6920.207	102.418	485.115	4.68%	24.28%
9.0	6312.147	107.241	592.356	4.91%	29.65%
10.0	5581.518	107.633	699.989	4.92%	35.04%
11.0	4912.734	104.859	804.848	4.80%	40.29%
12.0	4194.355	99.554	904.402	4.55%	45.27%
13.0	3421.825	90.385	994.787	4.13%	49.80%
14.0	2835.947	80.099	1074.885	3.66%	53.81%
15.0	2301.682	70.532	1145.417	3.23%	57.34%
16.0	1869.220	61.115	1206.533	2.80%	60.40%
17.0	1512.779	52.667	1259.199	2.41%	63.03%
18.0	1294.151	46.280	1305.48	2.12%	65.35%
19.0	1126.985	42.123	1347.602	1.93%	67.46%
20.0	997.724	38.888	1386.49	1.78%	69.41%
21.0	904.054	36.518	1423.008	1.67%	71.23%
22.0	834.927	34.946	1457.954	1.60%	72.98%
23.0	787.461	34.042	1491.996	1.56%	74.69%
24.0	748.876	33.590	1525.586	1.54%	76.37%
25.0	726.192	33.540	1559.126	1.53%	78.05%
26.0	710.843	33.921	1593.047	1.55%	79.75%
27.0	699.729	34.510	1627.557	1.58%	81.47%
28.0	688.794	35.154	1662.711	1.61%	83.23%
29.0	680.175	35.816	1698.528	1.64%	85.03%
30.0	671.525	36.496	1735.023	1.67%	86.85%
31.0	656.953	36.970	1771.993	1.69%	88.70%
32.0	624.276	36.706	1808.699	1.68%	90.54%
33.0	573.912	35.299	1843.998	1.61%	92.31%
34.0	486.478	32.091	1876.088	1.47%	93.91%
35.0	368.496	26.552	1902.64	1.21%	95.24%
36.0	262.129	20.079	1922.72	0.92%	96.25%
37.0	162.371	13.845	1936.564	0.63%	96.94%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	89.204	8.397	1944.962	0.38%	97.36%
39.0	33.462	4.187	1949.149	0.19%	97.57%
40.0	17.388	1.773	1950.922	0.08%	97.66%
41.0	14.483	1.135	1952.057	0.05%	97.72%
42.0	12.892	0.995	1953.051	0.05%	97.77%
43.0	12.302	0.933	1953.985	0.04%	97.81%
44.0	11.913	0.914	1954.899	0.04%	97.86%
45.0	11.592	0.903	1955.802	0.04%	97.90%
46.0	11.256	0.894	1956.696	0.04%	97.95%
47.0	11.039	0.887	1957.582	0.04%	97.99%
48.0	10.838	0.884	1958.467	0.04%	98.04%
49.0	10.636	0.882	1959.348	0.04%	98.08%
50.0	10.449	0.879	1960.228	0.04%	98.13%
51.0	10.307	0.878	1961.106	0.04%	98.17%
52.0	10.165	0.879	1961.984	0.04%	98.21%
53.0	10.016	0.878	1962.862	0.04%	98.26%
54.0	9.919	0.879	1963.741	0.04%	98.30%
55.0	9.814	0.881	1964.622	0.04%	98.35%
56.0	9.732	0.883	1965.505	0.04%	98.39%
57.0	9.665	0.887	1966.392	0.04%	98.43%
58.0	9.590	0.890	1967.282	0.04%	98.48%
59.0	9.531	0.894	1968.176	0.04%	98.52%
60.0	9.486	0.898	1969.075	0.04%	98.57%
61.0	9.426	0.903	1969.977	0.04%	98.61%
62.0	9.396	0.907	1970.884	0.04%	98.66%
63.0	9.359	0.912	1971.796	0.04%	98.70%
64.0	9.314	0.916	1972.712	0.04%	98.75%
65.0	9.284	0.920	1973.633	0.04%	98.80%
66.0	9.239	0.924	1974.557	0.04%	98.84%
67.0	9.224	0.928	1975.485	0.04%	98.89%
68.0	9.209	0.934	1976.419	0.04%	98.94%
69.0	9.187	0.938	1977.358	0.04%	98.98%
70.0	9.165	0.943	1978.3	0.04%	99.03%
71.0	9.142	0.946	1979.246	0.04%	99.08%
72.0	9.097	0.948	1980.195	0.04%	99.13%
73.0	9.082	0.951	1981.146	0.04%	99.17%
74.0	9.082	0.955	1982.101	0.04%	99.22%
75.0	9.060	0.959	1983.059	0.04%	99.27%

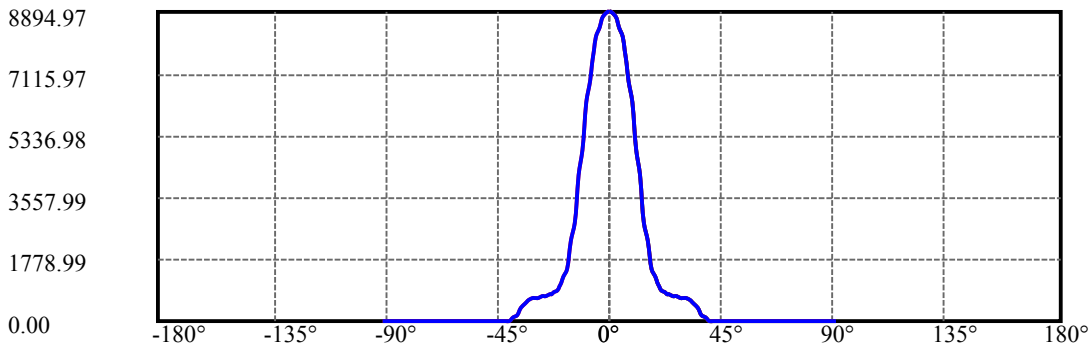
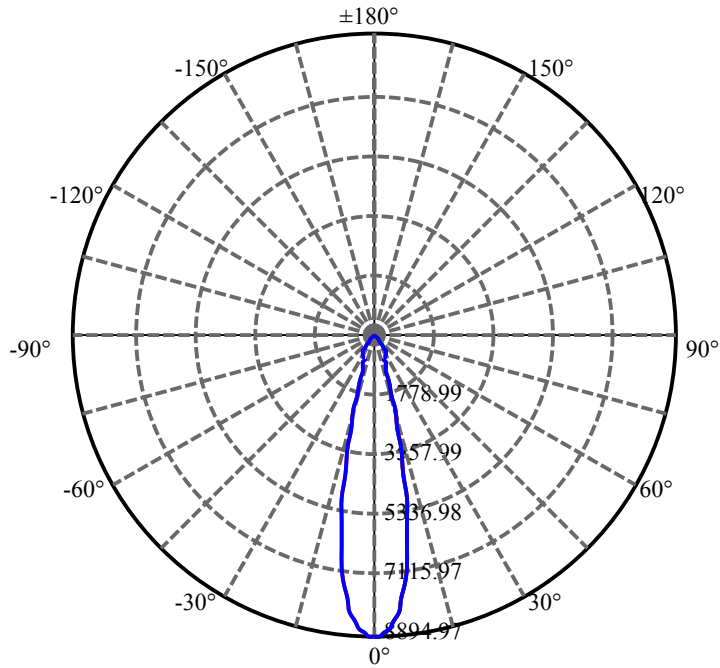
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.053	0.961	1984.021	0.04%	99.32%
77.0	9.038	0.964	1984.985	0.04%	99.36%
78.0	9.008	0.966	1985.951	0.04%	99.41%
79.0	9.000	0.968	1986.919	0.04%	99.46%
80.0	9.008	0.971	1987.889	0.04%	99.51%
81.0	9.000	0.974	1988.863	0.04%	99.56%
82.0	9.000	0.976	1989.839	0.04%	99.61%
83.0	8.970	0.977	1990.816	0.04%	99.66%
84.0	8.978	0.978	1991.794	0.04%	99.71%
85.0	8.963	0.979	1992.773	0.04%	99.75%
86.0	8.955	0.979	1993.753	0.04%	99.80%
87.0	8.955	0.980	1994.733	0.04%	99.85%
88.0	8.941	0.980	1995.713	0.04%	99.90%
89.0	8.941	0.980	1996.693	0.04%	99.95%
90.0	8.941	0.980	1997.674	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1735.02	79.36%	86.85%
0-40	1950.92	89.24%	97.66%
0-60	1969.07	90.07%	98.57%
0-90	1996.69	91.33%	99.95%
0-120	1996.69	91.33%	99.95%
0-180	1997.67	91.38%	100.00%
60-90	27.62	1.26%	1.38%
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%
0-26.15	1598.14	73.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	699.99
10-20	686.50
20-30	348.53
30-40	215.90
40-50	9.31
50-60	8.85
60-70	9.23
70-80	9.59
80-90	8.80
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



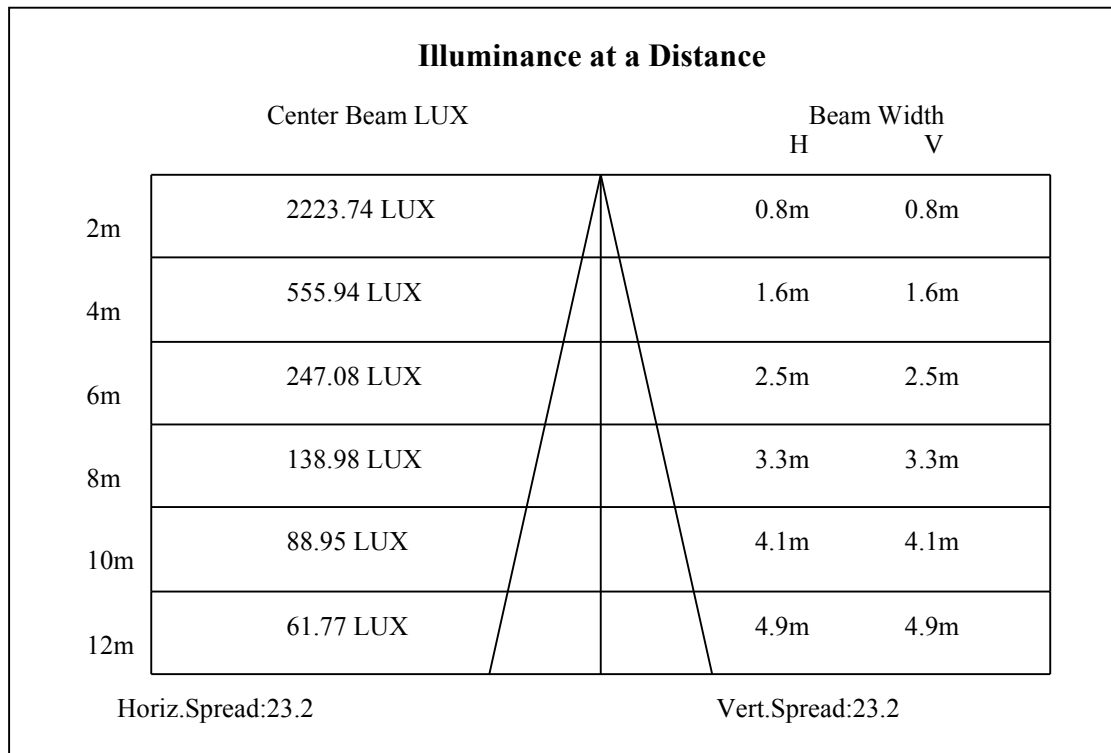
C0(Max): —————

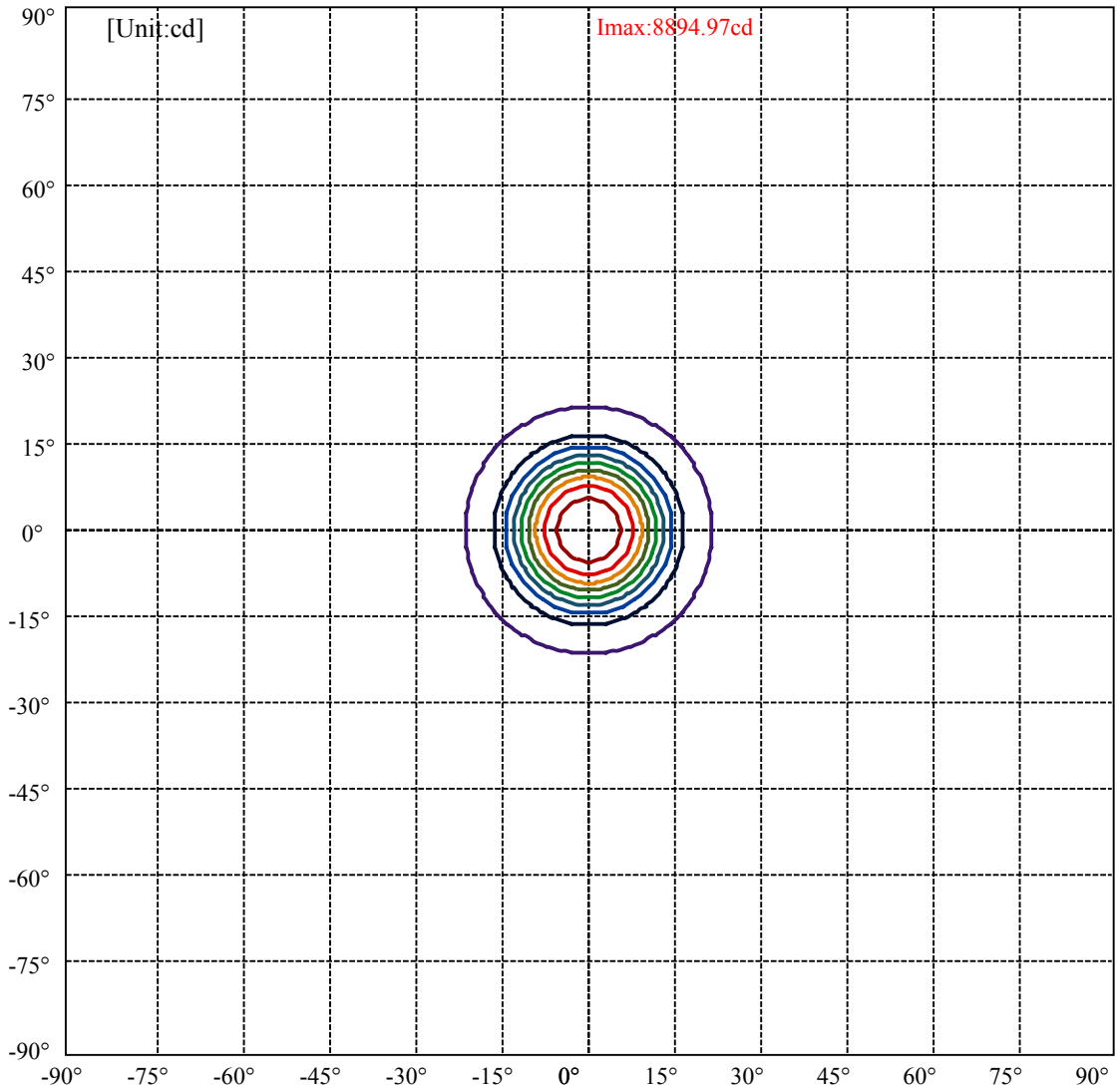
C0/C180: —————

C90/C270: —————

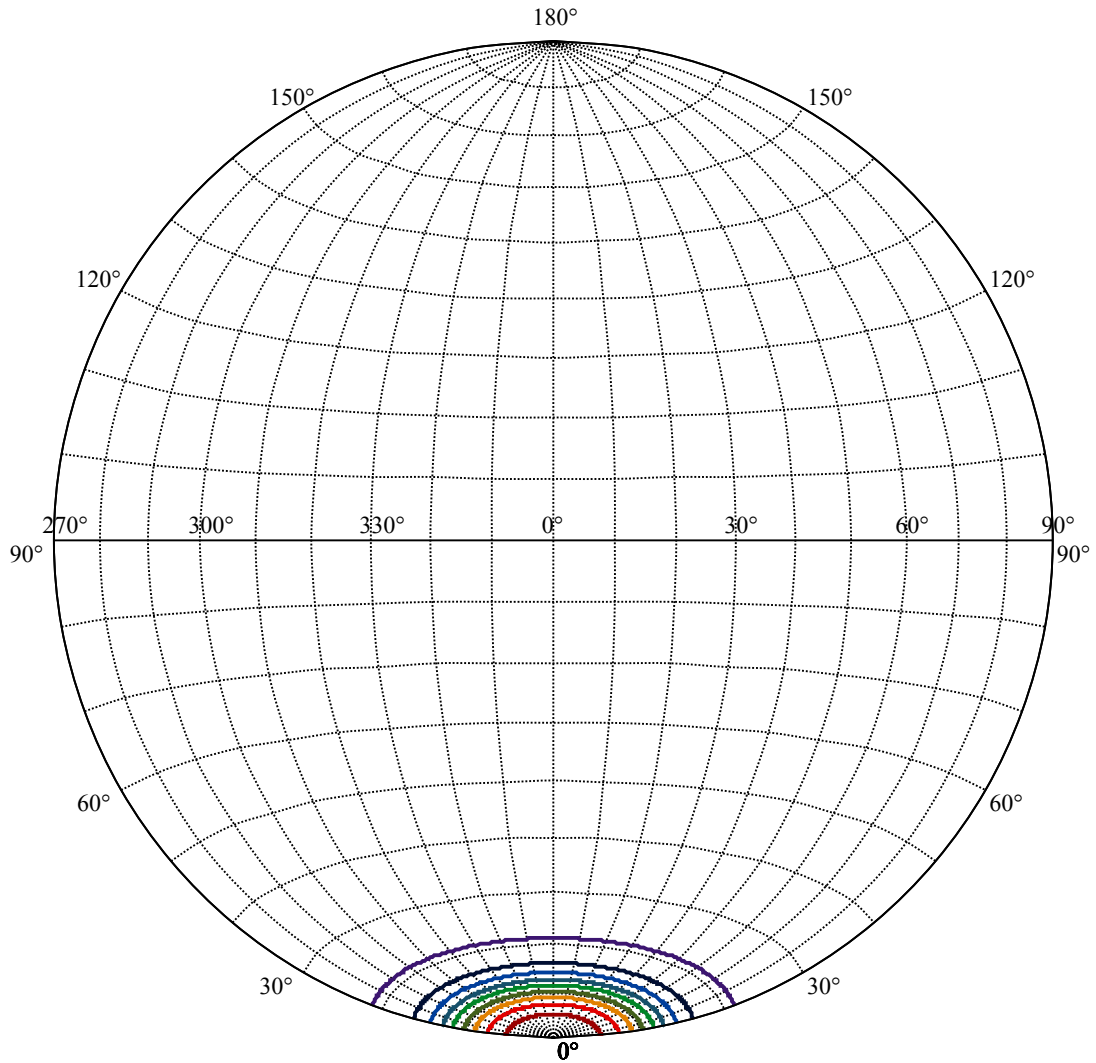
Field angle(10%Imax):C0/180Left:21.2 Right:21.2
:C90/270Left:21.2 Right:21.2

Beam Angle(50%Imax):C0/180Left:11.6 Right:11.6
:C90/270Left:11.6 Right:11.6





(10%Imax) 889.497	—
(20%Imax) 1778.99	—
(30%Imax) 2668.49	—
(40%Imax) 3557.99	—
(50%Imax) 4447.48	—
(60%Imax) 5336.98	—
(70%Imax) 6226.48	—
(80%Imax) 7115.97	—
(90%Imax) 8005.47	—



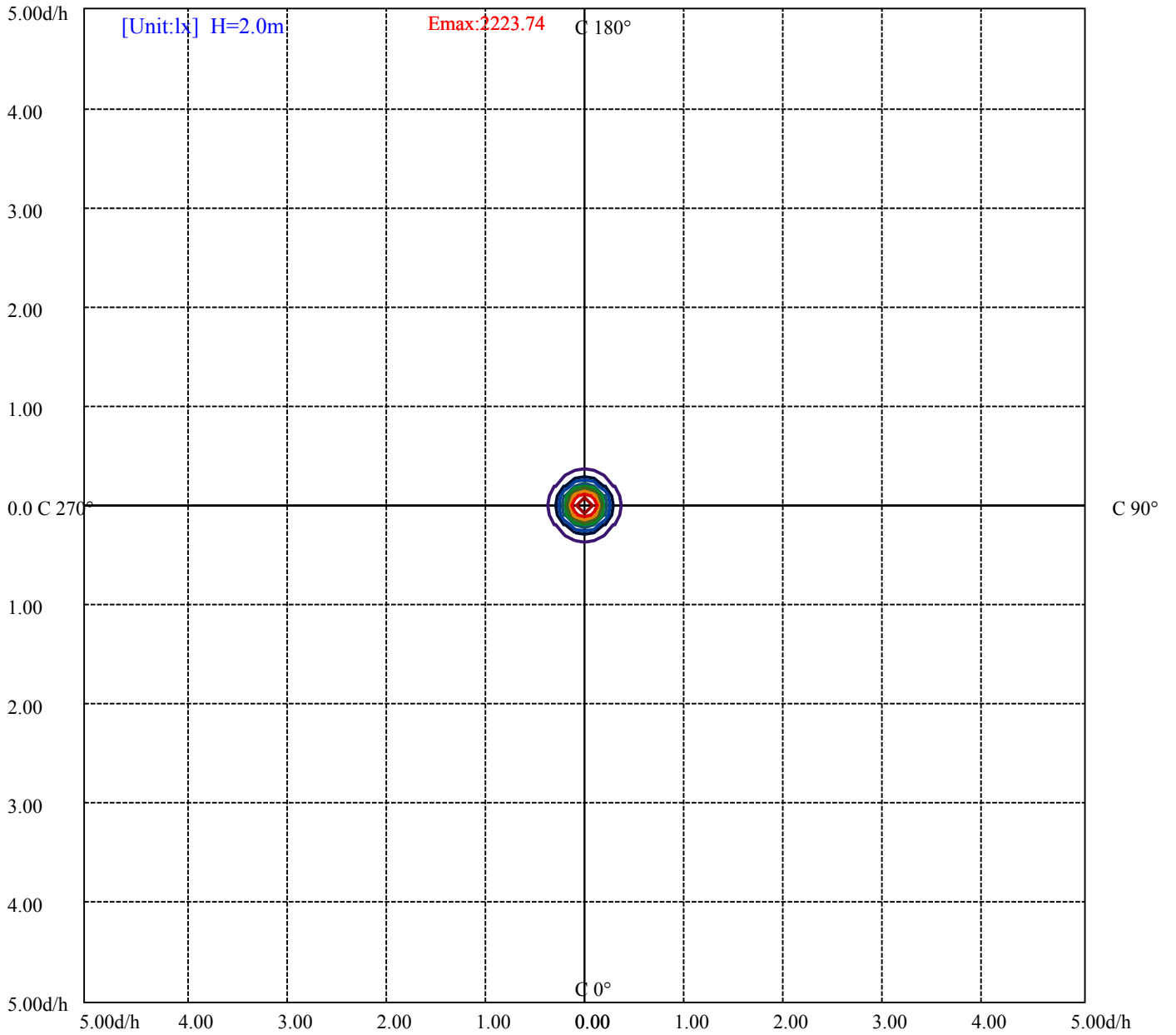
House

[Unit:cd]

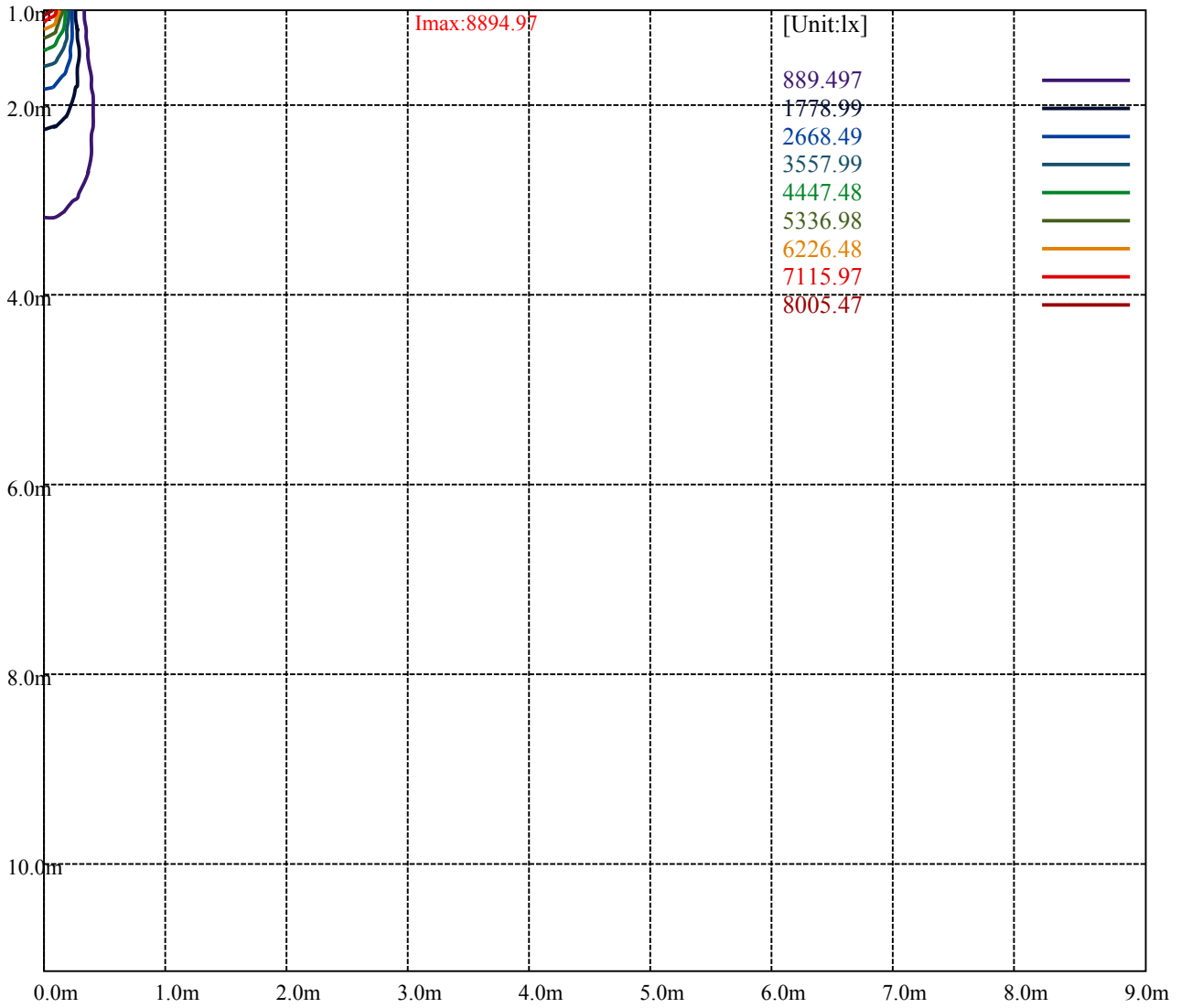
Road

Imax:8894.97

(10%Imax)	889.497	—
(20%Imax)	1778.99	—
(30%Imax)	2668.49	—
(40%Imax)	3557.99	—
(50%Imax)	4447.48	—
(60%Imax)	5336.98	—
(70%Imax)	6226.48	—
(80%Imax)	7115.97	—
(90%Imax)	8005.47	—



- (10%Emax) 222.374
- (20%Emax) 444.7475
- (30%Emax) 667.1225
- (40%Emax) 889.4975
- (50%Emax) 1111.87
- (60%Emax) 1334.245
- (70%Emax) 1556.618
- (80%Emax) 1778.993
- (90%Emax) 2001.368



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

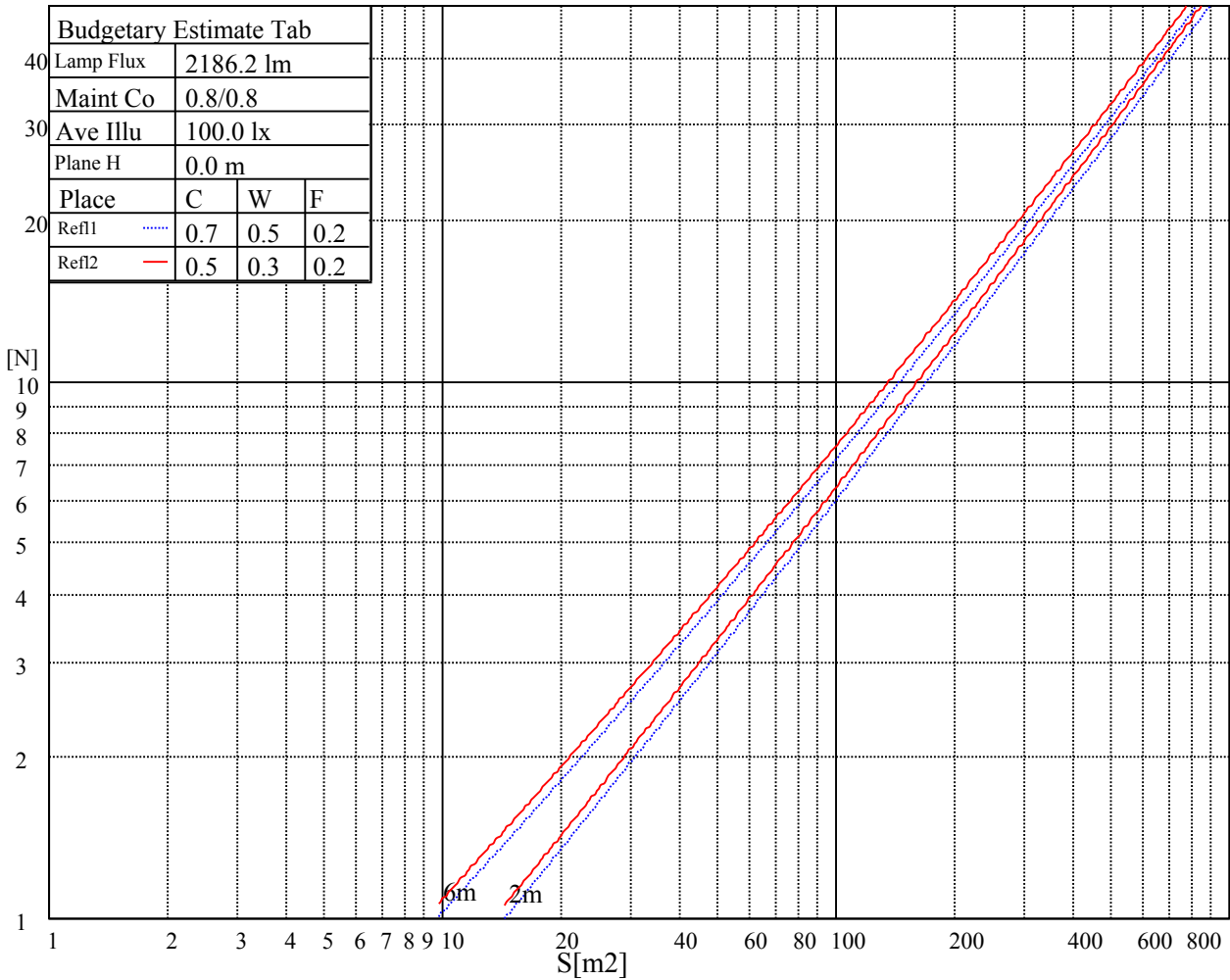
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

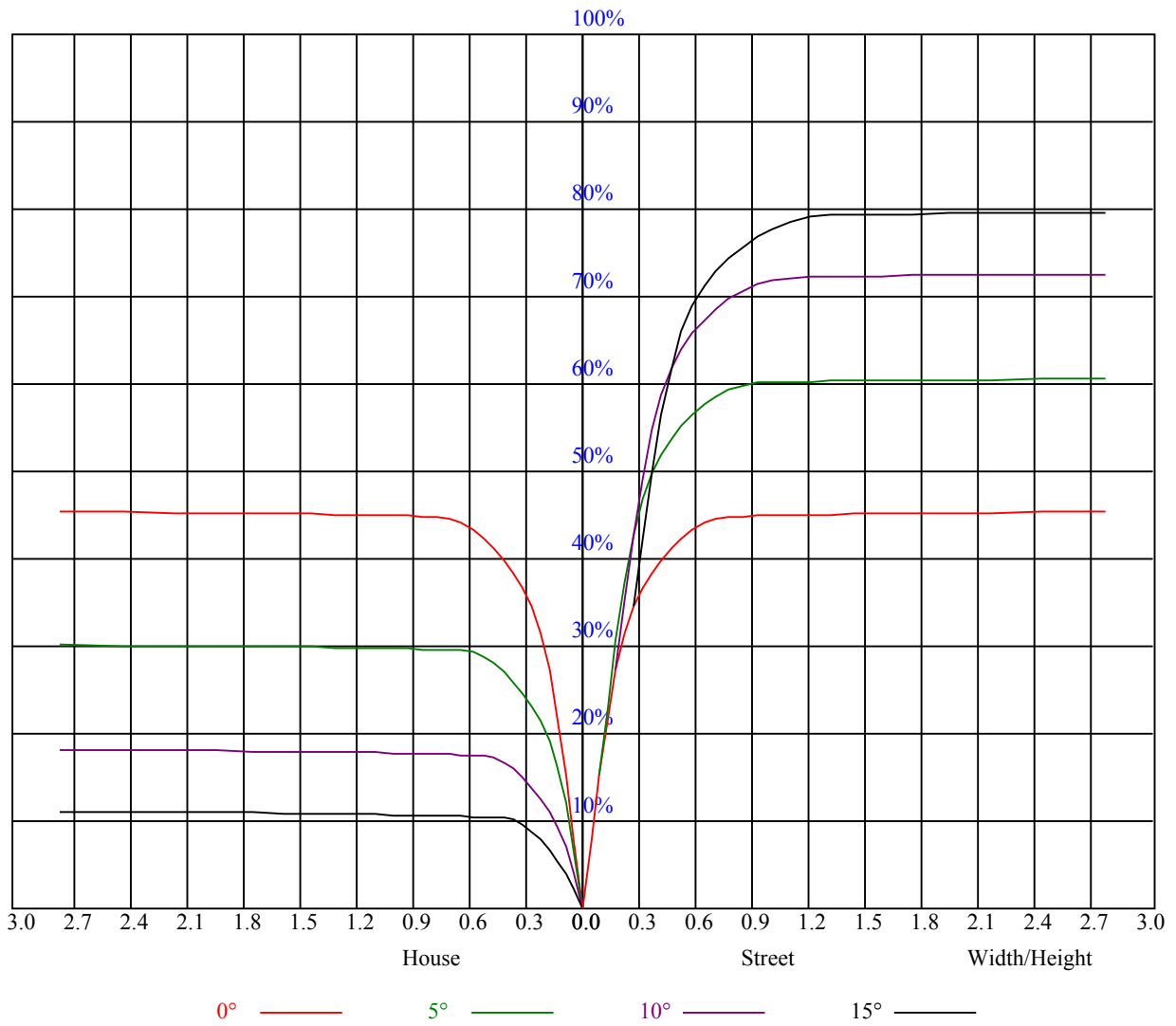


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.01	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.87
2	0.97	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.84
3	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.88	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.72
7	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63



Intensity data(cd)

C/ γ ($^{\circ}$)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	8959.95	8908.56	8833.27	8728.70	8569.16	8346.29	8011.67	7715.29	7360.96
45.0	8869.72	8842.23	8791.44	8668.95	8476.55	8198.70	7799.55	7400.40	6915.20
90.0	8852.39	8760.97	8591.27	8308.04	7959.09	7621.48	7195.44	6636.16	6030.86
135.0	8897.80	8858.96	8737.67	8480.13	8164.04	7811.50	7325.11	6878.16	6335.60
180.0	8959.95	8989.82	8965.33	8839.25	8604.42	8328.36	7987.17	7529.46	6988.10
225.0	8869.72	8902.58	8949.19	8965.92	8966.52	8894.82	8698.23	8411.42	8101.90
270.0	8852.39	8881.67	8878.09	8790.85	8603.22	8349.87	7969.24	7617.30	7218.75
315.0	8897.80	8863.75	8750.21	8542.27	8197.50	7850.93	7420.12	6934.92	6410.29
360.0	8959.95	8908.56	8833.27	8728.70	8569.16	8346.29	8011.67	7715.29	7360.96
C/ γ ($^{\circ}$)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6862.02	6234.62	5595.26	4856.72	4109.80	3467.46	2790.46	2272.40	1812.90
45.0	6221.47	5453.65	4770.67	4017.19	3292.38	2708.00	2160.07	1797.37	1481.87
90.0	5377.76	4535.25	3868.40	3223.67	2506.04	2053.11	1698.18	1397.02	1179.94
135.0	5643.66	4906.31	4230.51	3488.37	2795.84	2273.60	1813.50	1510.55	1260.79
180.0	6318.27	5428.55	4715.70	3996.27	3150.17	2568.78	2094.94	1643.20	1385.07
225.0	7658.53	7060.40	6401.33	5668.16	4753.34	4032.72	3349.15	2662.59	2105.09
270.0	6676.79	6016.52	5368.80	4609.94	3845.10	3202.16	2560.41	2091.95	1692.20
315.0	5738.67	5016.85	4351.21	3694.52	2921.92	2381.75	1946.75	1578.67	1184.36
360.0	6862.02	6234.62	5595.26	4856.72	4109.80	3467.46	2790.46	2272.40	1812.90
C/ γ ($^{\circ}$)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1481.87	1275.13	1125.15	984.13	898.09	834.75	776.79	745.12	725.40
45.0	1263.77	1117.98	1005.64	896.89	832.36	782.17	737.35	714.64	700.90
90.0	1042.93	917.27	852.26	792.68	751.09	729.76	713.51	701.32	692.06
135.0	1086.31	979.95	889.12	815.63	770.21	741.53	722.41	710.46	701.50
180.0	1178.27	1061.15	943.32	855.30	798.66	751.33	721.40	707.59	695.82
225.0	1744.19	1446.62	1179.52	1098.14	974.57	889.06	819.69	768.36	734.36
270.0	1407.78	1224.93	1083.32	950.07	873.59	816.22	764.84	741.53	726.60
315.0	1148.09	992.85	903.46	839.59	780.85	754.86	735.02	720.50	710.10
360.0	1481.87	1275.13	1125.15	984.13	898.09	834.75	776.79	745.12	725.40
C/ γ ($^{\circ}$)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	712.25	701.50	692.54	682.98	675.21	663.26	625.61	544.95	427.83
45.0	690.15	678.79	669.83	658.48	613.66	515.07	413.49	308.32	175.55
90.0	683.69	673.36	665.35	657.34	642.34	587.31	496.37	393.29	263.69
135.0	691.94	682.98	674.61	666.24	657.88	647.12	619.64	530.61	414.69
180.0	686.86	677.42	668.34	659.91	646.77	589.46	497.74	390.72	256.10
225.0	716.68	702.46	693.07	684.89	675.09	665.29	639.48	536.52	432.43
270.0	715.24	703.29	694.93	687.16	678.79	669.83	660.27	626.21	531.80
315.0	701.02	690.56	682.74	675.21	665.89	656.86	638.70	561.20	445.88
360.0	712.25	701.50	692.54	682.98	675.21	663.26	625.61	544.95	427.83
C/ γ ($^{\circ}$)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	304.14	237.04	94.59	32.86	18.58	14.76	12.97	12.43	12.01
45.0	85.75	27.61	19.24	14.82	13.21	12.73	12.43	11.95	11.59
90.0	162.89	76.07	23.96	17.81	14.04	12.85	12.43	12.07	11.65
135.0	304.74	179.68	88.49	30.53	16.97	13.74	12.37	11.83	11.53
180.0	153.15	68.78	23.12	16.61	13.27	12.49	12.07	11.77	11.41
225.0	323.92	190.37	108.15	33.64	19.00	15.54	13.56	12.97	12.55
270.0	427.83	307.73	241.76	86.22	25.87	18.52	14.46	13.09	12.61
315.0	334.62	211.70	114.31	35.19	18.16	15.24	12.85	12.31	11.95
360.0	304.14	237.04	94.59	32.86	18.58	14.76	12.97	12.43	12.01

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	11.65	11.29	11.11	10.88	10.64	10.46	10.34	10.16	9.98
45.0	11.35	11.11	10.93	10.76	10.58	10.40	10.28	10.16	10.04
90.0	11.35	11.05	10.93	10.76	10.58	10.40	10.22	10.10	9.98
135.0	11.29	10.93	10.76	10.58	10.46	10.28	10.10	9.98	9.86
180.0	11.11	10.88	10.64	10.52	10.34	10.16	10.04	9.92	9.80
225.0	12.19	11.71	11.47	11.29	10.99	10.82	10.64	10.46	10.28
270.0	12.19	11.83	11.53	11.23	10.99	10.76	10.64	10.46	10.28
315.0	11.59	11.23	10.93	10.70	10.52	10.34	10.22	10.10	9.92
360.0	11.65	11.29	11.11	10.88	10.64	10.46	10.34	10.16	9.98
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.86	9.80	9.68	9.62	9.56	9.50	9.44	9.38	9.38
45.0	9.92	9.80	9.80	9.74	9.68	9.62	9.56	9.50	9.44
90.0	9.92	9.80	9.74	9.62	9.56	9.56	9.50	9.44	9.38
135.0	9.80	9.68	9.62	9.56	9.50	9.44	9.38	9.32	9.32
180.0	9.74	9.62	9.56	9.50	9.44	9.38	9.38	9.32	9.26
225.0	10.16	10.04	9.92	9.86	9.74	9.68	9.62	9.56	9.56
270.0	10.16	10.04	9.92	9.86	9.74	9.68	9.62	9.56	9.50
315.0	9.80	9.74	9.62	9.56	9.50	9.38	9.38	9.32	9.32
360.0	9.86	9.80	9.68	9.62	9.56	9.50	9.44	9.38	9.38
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.32	9.26	9.26	9.20	9.20	9.20	9.14	9.14	9.08
45.0	9.44	9.38	9.38	9.32	9.32	9.26	9.26	9.20	9.20
90.0	9.38	9.32	9.26	9.26	9.26	9.20	9.20	9.20	9.14
135.0	9.26	9.26	9.20	9.14	9.14	9.08	9.14	9.08	9.08
180.0	9.26	9.20	9.20	9.14	9.08	9.14	9.08	9.08	9.02
225.0	9.50	9.44	9.38	9.32	9.32	9.32	9.32	9.26	9.26
270.0	9.44	9.38	9.38	9.32	9.32	9.32	9.26	9.26	9.26
315.0	9.26	9.26	9.20	9.20	9.14	9.14	9.08	9.08	9.08
360.0	9.32	9.26	9.26	9.20	9.20	9.20	9.14	9.14	9.08
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.08	9.08	9.08	9.02	9.02	8.96	8.96	8.96	8.96
45.0	9.14	9.14	9.14	9.14	9.08	9.14	9.08	9.02	9.02
90.0	9.14	9.08	9.08	9.08	9.08	9.08	9.02	9.02	9.02
135.0	9.02	9.02	9.02	9.02	9.02	8.96	8.96	8.96	8.96
180.0	9.02	8.96	8.96	8.96	8.96	8.96	8.90	8.90	8.96
225.0	9.20	9.20	9.20	9.14	9.14	9.08	9.08	9.08	9.08
270.0	9.14	9.14	9.14	9.14	9.14	9.14	9.08	9.08	9.08
315.0	9.02	9.02	9.02	8.96	8.96	8.96	8.96	8.96	8.96
360.0	9.08	9.08	9.08	9.02	9.02	8.96	8.96	8.96	8.96
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.96	8.96	8.90	8.96	8.90	8.90	8.90	8.90	8.90
45.0	9.02	9.08	9.02	9.02	9.02	9.02	9.02	9.02	9.02
90.0	9.02	9.02	9.02	8.96	8.96	9.02	8.96	8.96	8.96
135.0	8.96	8.90	8.90	8.90	8.96	8.90	8.90	8.90	8.90
180.0	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.84	8.84
225.0	9.08	9.08	9.08	9.02	9.02	9.02	9.02	9.02	9.02
270.0	9.08	9.08	9.02	9.08	9.02	8.96	9.02	8.96	8.96
315.0	8.96	8.96	8.90	8.96	8.90	8.90	8.90	8.90	8.90
360.0	8.96	8.96	8.90	8.96	8.90	8.90	8.90	8.90	8.90

Intensity data(cd)

C/γ(°)	90.0
0.0	8.90
45.0	9.02
90.0	8.96
135.0	8.90
180.0	8.84
225.0	9.02
270.0	8.96
315.0	8.90
360.0	8.90