



NATA LIGHTING CO.,LTD.  
www.nata.cn  
Email:info@nata.com  
Tel:+86-750-3770000 Fax:+86-750-3771111  
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 1-1377-L

Luminaire: 92.70.427.00

Report No: 20231123-B013

Ballast type: AC

Test No: 20231123-C013

Voltage(V): 35.760

LampCAT: TRIDONIC SLE G7 9MM

Current(A): 0.331

Lamp flux(lm): 1796.1

Power (W): 11.936

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1651.39, Efficiency(%): 91.95% , Luminous Efficacy(lm/W): 138.35

Central intensity(cd): 7831.981, Maximum intensity(cd): 7831.981

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

Beam Angle(50%Imax): [C0/180]Total=20.2

[C90/270]Total=20.2

Field angle(10%Imax): [C0/180]Total=49.0

[C90/270]Total=49.0

Maximum s/h(1/2): C0\_180=0.34 C90\_270=0.34

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(%): 91.95%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.053%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/23  
Humidity(%): 0.0%

Operator: NT07  
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7831.981	0.000	0	0.00%	0.00%
1.0	7774.967	7.468	7.468	0.42%	0.45%
2.0	7633.884	22.116	29.584	1.23%	1.79%
3.0	7414.269	35.990	65.574	2.00%	3.97%
4.0	7051.633	48.422	113.996	2.70%	6.90%
5.0	6646.168	58.927	172.923	3.28%	10.47%
6.0	6149.993	67.247	240.171	3.74%	14.54%
7.0	5598.394	72.922	313.093	4.06%	18.96%
8.0	5016.904	75.972	389.064	4.23%	23.56%
9.0	4463.092	76.830	465.894	4.28%	28.21%
10.0	3944.290	76.084	541.978	4.24%	32.82%
11.0	3441.126	73.795	615.774	4.11%	37.29%
12.0	3023.829	70.671	686.445	3.93%	41.57%
13.0	2643.965	67.262	753.707	3.74%	45.64%
14.0	2324.228	63.592	817.3	3.54%	49.49%
15.0	2076.244	60.412	877.711	3.36%	53.15%
16.0	1846.942	57.486	935.197	3.20%	56.63%
17.0	1652.513	54.496	989.693	3.03%	59.93%
18.0	1461.280	51.340	1041.033	2.86%	63.04%
19.0	1308.089	48.181	1089.214	2.68%	65.96%
20.0	1194.455	45.803	1135.017	2.55%	68.73%
21.0	1101.218	44.082	1179.099	2.45%	71.40%
22.0	1011.200	42.450	1221.549	2.36%	73.97%
23.0	914.621	40.409	1261.958	2.25%	76.42%
24.0	823.309	37.997	1299.955	2.12%	78.72%
25.0	738.770	35.518	1335.474	1.98%	80.87%
26.0	656.258	32.930	1368.403	1.83%	82.86%
27.0	577.034	30.173	1398.576	1.68%	84.69%
28.0	497.518	27.205	1425.781	1.51%	86.34%
29.0	430.042	24.268	1450.049	1.35%	87.81%
30.0	363.016	21.412	1471.461	1.19%	89.10%
31.0	307.752	18.667	1490.128	1.04%	90.23%
32.0	266.009	16.438	1506.566	0.92%	91.23%
33.0	227.496	14.539	1521.104	0.81%	92.11%
34.0	193.468	12.740	1533.844	0.71%	92.88%
35.0	157.204	10.891	1544.735	0.61%	93.54%
36.0	124.151	8.958	1553.693	0.50%	94.08%
37.0	101.927	7.373	1561.066	0.41%	94.53%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	85.452	6.254	1567.321	0.35%	94.91%
39.0	72.015	5.375	1572.696	0.30%	95.23%
40.0	60.917	4.636	1577.332	0.26%	95.52%
41.0	52.358	4.034	1581.365	0.22%	95.76%
42.0	45.452	3.554	1584.919	0.20%	95.97%
43.0	40.194	3.173	1588.092	0.18%	96.17%
44.0	35.599	2.861	1590.952	0.16%	96.34%
45.0	31.960	2.596	1593.549	0.14%	96.50%
46.0	28.978	2.383	1595.932	0.13%	96.64%
47.0	26.307	2.199	1598.131	0.12%	96.77%
48.0	24.418	2.051	1600.181	0.11%	96.90%
49.0	22.716	1.936	1602.117	0.11%	97.02%
50.0	21.221	1.832	1603.949	0.10%	97.13%
51.0	19.990	1.744	1605.692	0.10%	97.23%
52.0	19.000	1.673	1607.365	0.09%	97.33%
53.0	18.128	1.615	1608.98	0.09%	97.43%
54.0	17.346	1.564	1610.544	0.09%	97.53%
55.0	16.751	1.522	1612.066	0.08%	97.62%
56.0	16.156	1.487	1613.553	0.08%	97.71%
57.0	15.686	1.456	1615.009	0.08%	97.80%
58.0	15.257	1.431	1616.44	0.08%	97.88%
59.0	14.918	1.411	1617.85	0.08%	97.97%
60.0	14.572	1.393	1619.244	0.08%	98.05%
61.0	14.288	1.377	1620.621	0.08%	98.14%
62.0	14.025	1.364	1621.985	0.08%	98.22%
63.0	13.748	1.351	1623.336	0.08%	98.30%
64.0	13.472	1.336	1624.672	0.07%	98.38%
65.0	13.202	1.320	1625.992	0.07%	98.46%
66.0	12.890	1.302	1627.294	0.07%	98.54%
67.0	12.517	1.278	1628.571	0.07%	98.62%
68.0	12.150	1.250	1629.821	0.07%	98.69%
69.0	11.804	1.222	1631.043	0.07%	98.77%
70.0	11.410	1.192	1632.235	0.07%	98.84%
71.0	11.078	1.162	1633.397	0.06%	98.91%
72.0	10.746	1.135	1634.532	0.06%	98.98%
73.0	10.469	1.109	1635.641	0.06%	99.05%
74.0	10.199	1.087	1636.728	0.06%	99.11%
75.0	9.929	1.063	1637.791	0.06%	99.18%

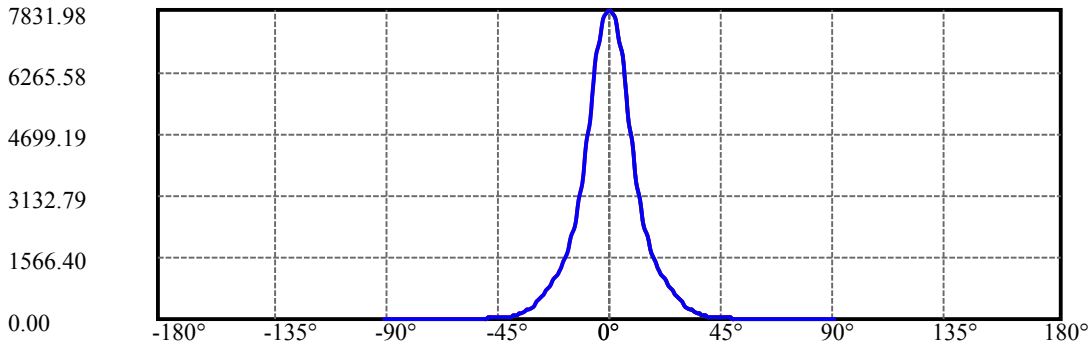
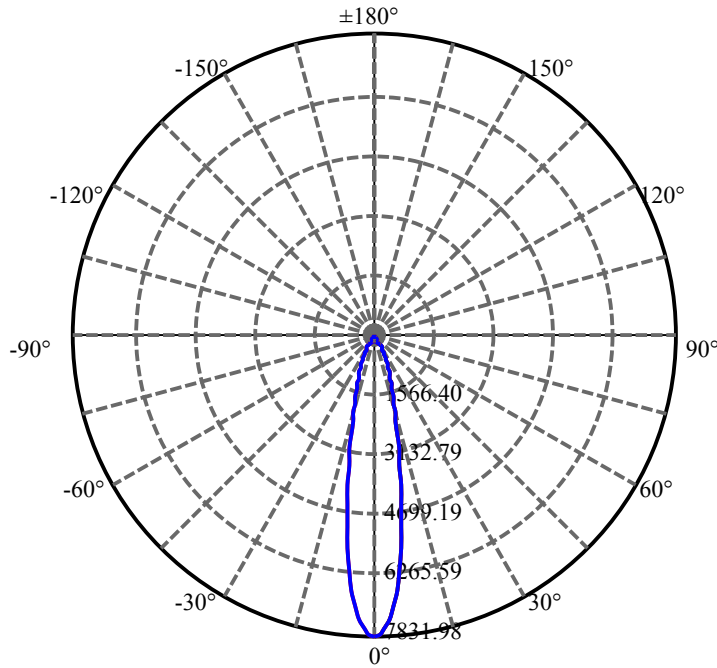
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.694	1.042	1638.833	0.06%	99.24%
77.0	9.445	1.020	1639.853	0.06%	99.30%
78.0	9.216	0.999	1640.852	0.06%	99.36%
79.0	9.002	0.979	1641.831	0.05%	99.42%
80.0	8.780	0.959	1642.79	0.05%	99.48%
81.0	8.628	0.941	1643.731	0.05%	99.54%
82.0	8.428	0.925	1644.656	0.05%	99.59%
83.0	8.241	0.906	1645.562	0.05%	99.65%
84.0	8.061	0.888	1646.45	0.05%	99.70%
85.0	7.881	0.870	1647.32	0.05%	99.75%
86.0	7.680	0.851	1648.171	0.05%	99.80%
87.0	7.514	0.832	1649.003	0.05%	99.86%
88.0	7.314	0.812	1649.815	0.05%	99.90%
89.0	7.182	0.795	1650.609	0.04%	99.95%
90.0	7.078	0.782	1651.391	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1471.46	81.93%	89.10%
0-40	1577.33	87.82%	95.52%
0-60	1619.24	90.16%	98.05%
0-90	1650.61	91.90%	99.95%
0-120	1650.61	91.90%	99.95%
0-180	1651.39	91.95%	100.00%
60-90	31.37	1.75%	1.90%
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%
0-24.60	1321.11	73.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	541.98
10-20	593.04
20-30	336.44
30-40	105.87
40-50	26.62
50-60	15.30
60-70	12.99
70-80	10.55
80-90	7.82
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: —————

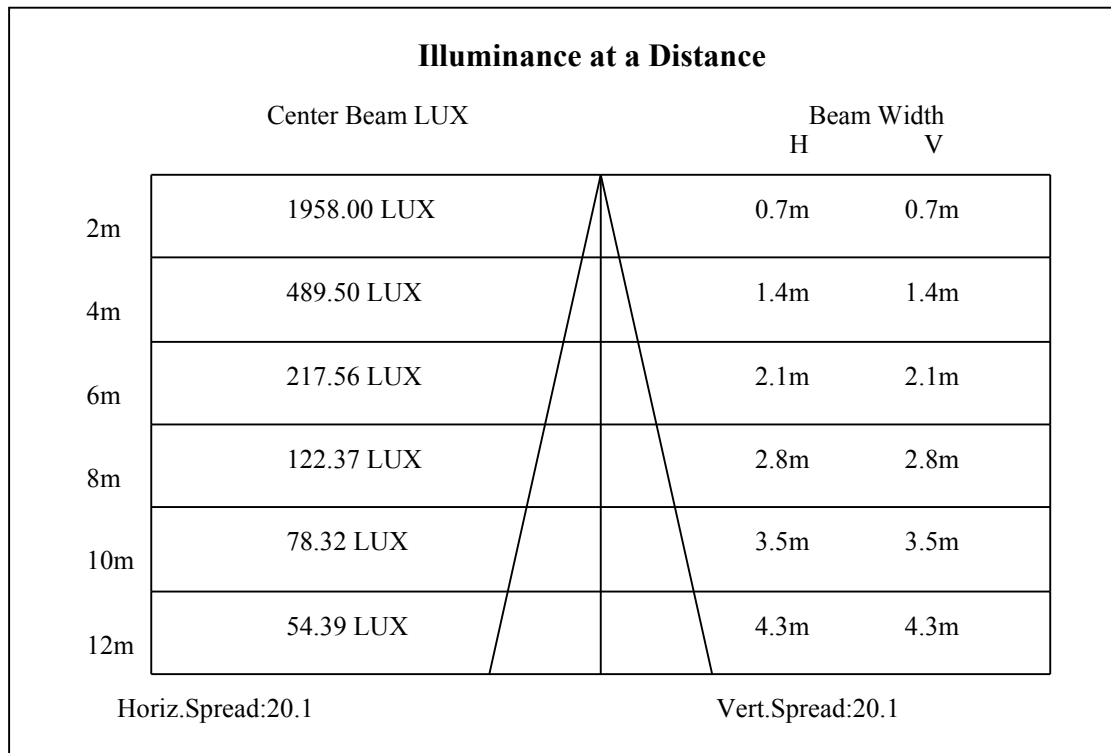
C90/C270: —————

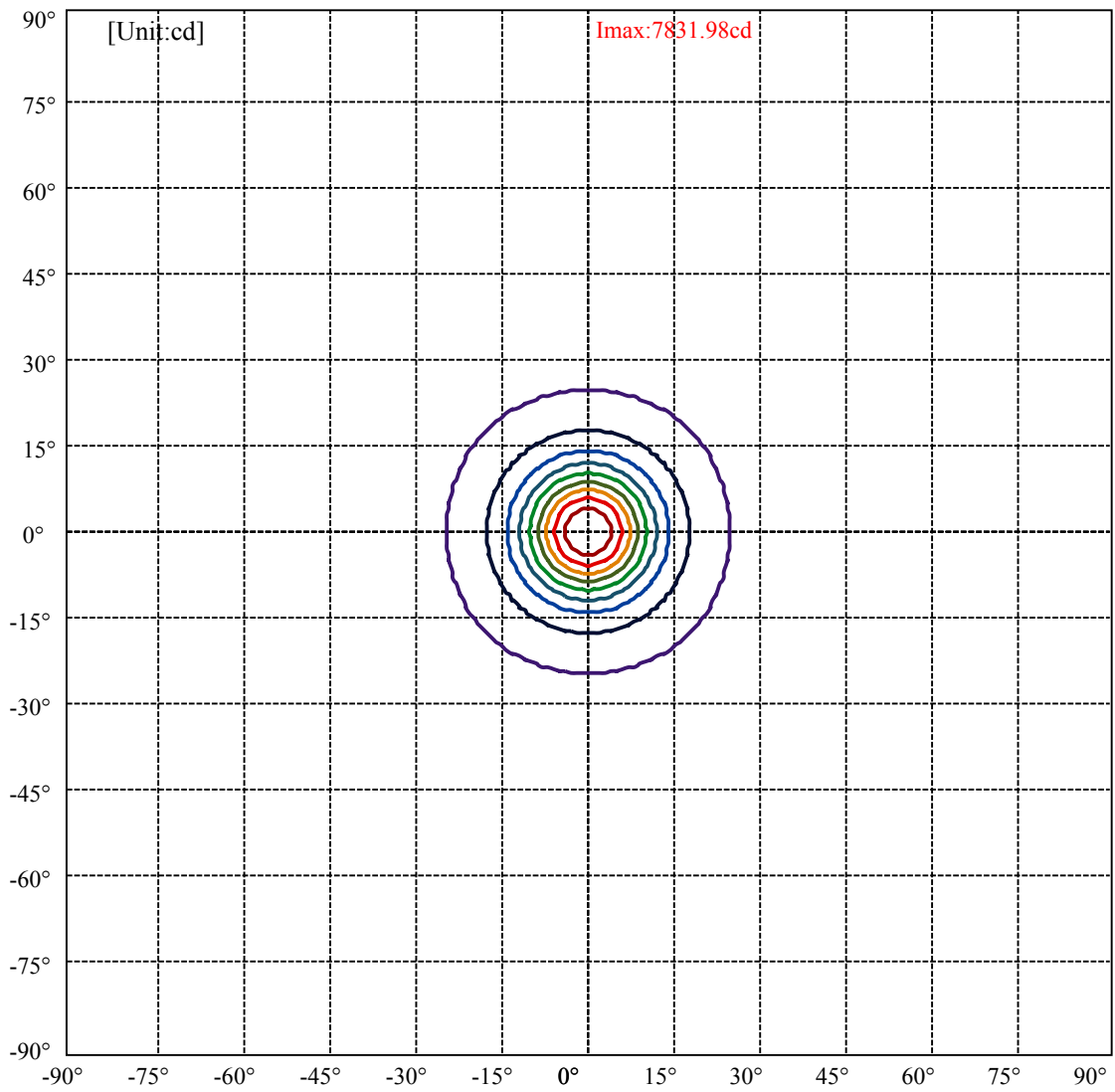
Field angle(10%Imax):C0/180Left:24.5 Right:24.5

:C90/270Left:24.5 Right:24.5

Beam Angle(50%Imax):C0/180Left:10.1 Right:10.1

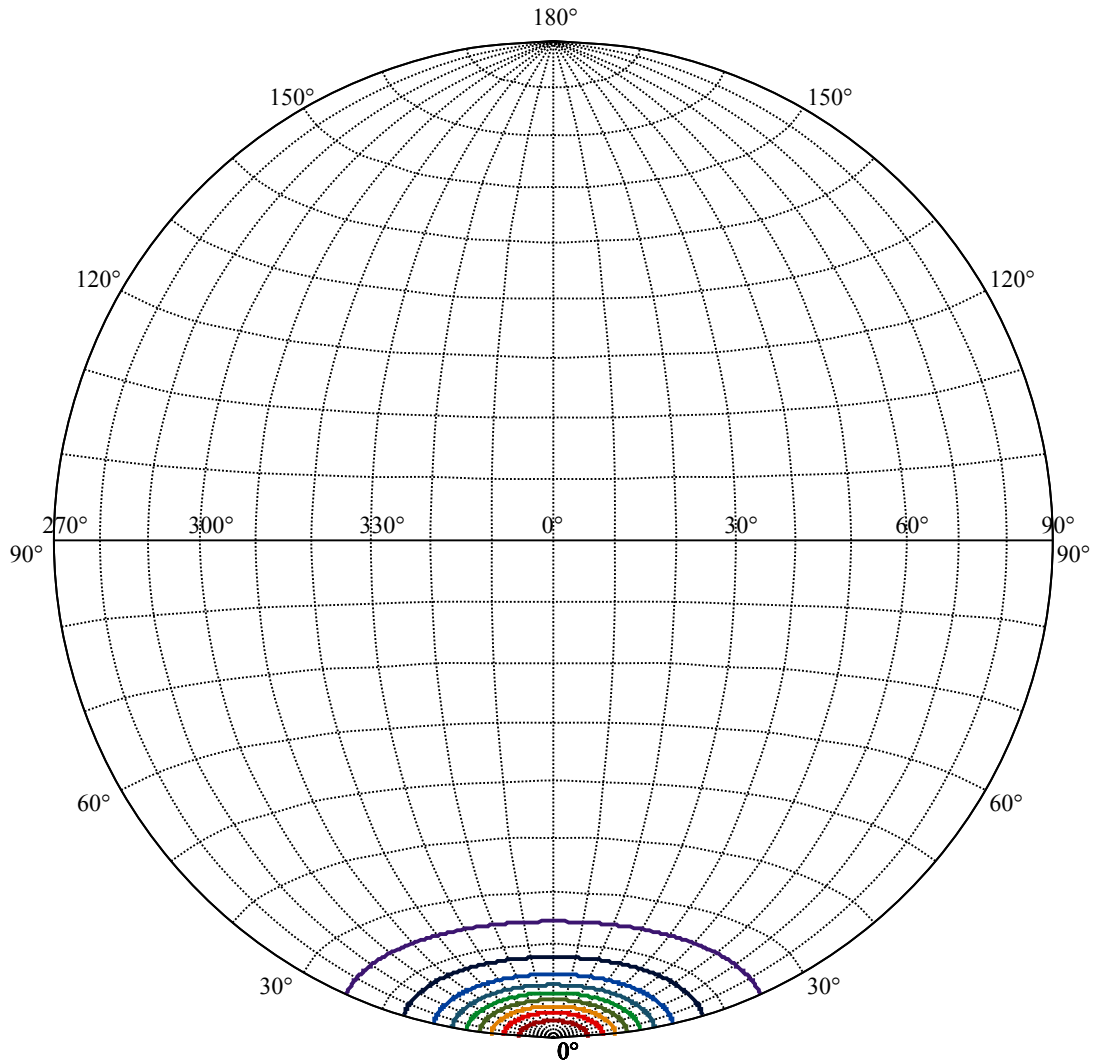
:C90/270Left:10.1 Right:10.1





(10%Imax) 783.198	—
(20%Imax) 1566.4	—
(30%Imax) 2349.59	—
(40%Imax) 3132.79	—
(50%Imax) 3915.99	—
(60%Imax) 4699.19	—
(70%Imax) 5482.39	—
(80%Imax) 6265.58	—
(90%Imax) 7048.78	—





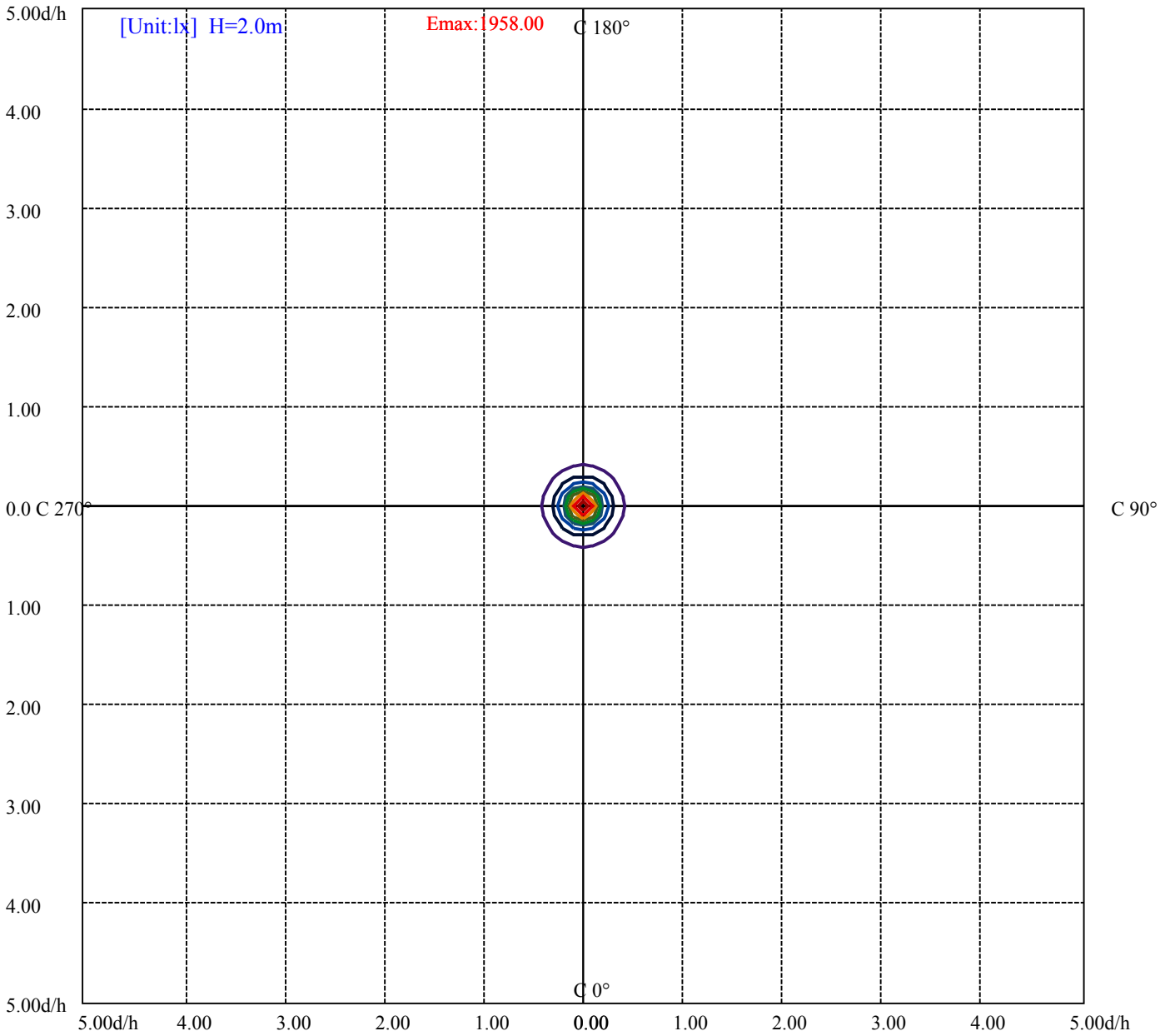
House

[Unit:cd]

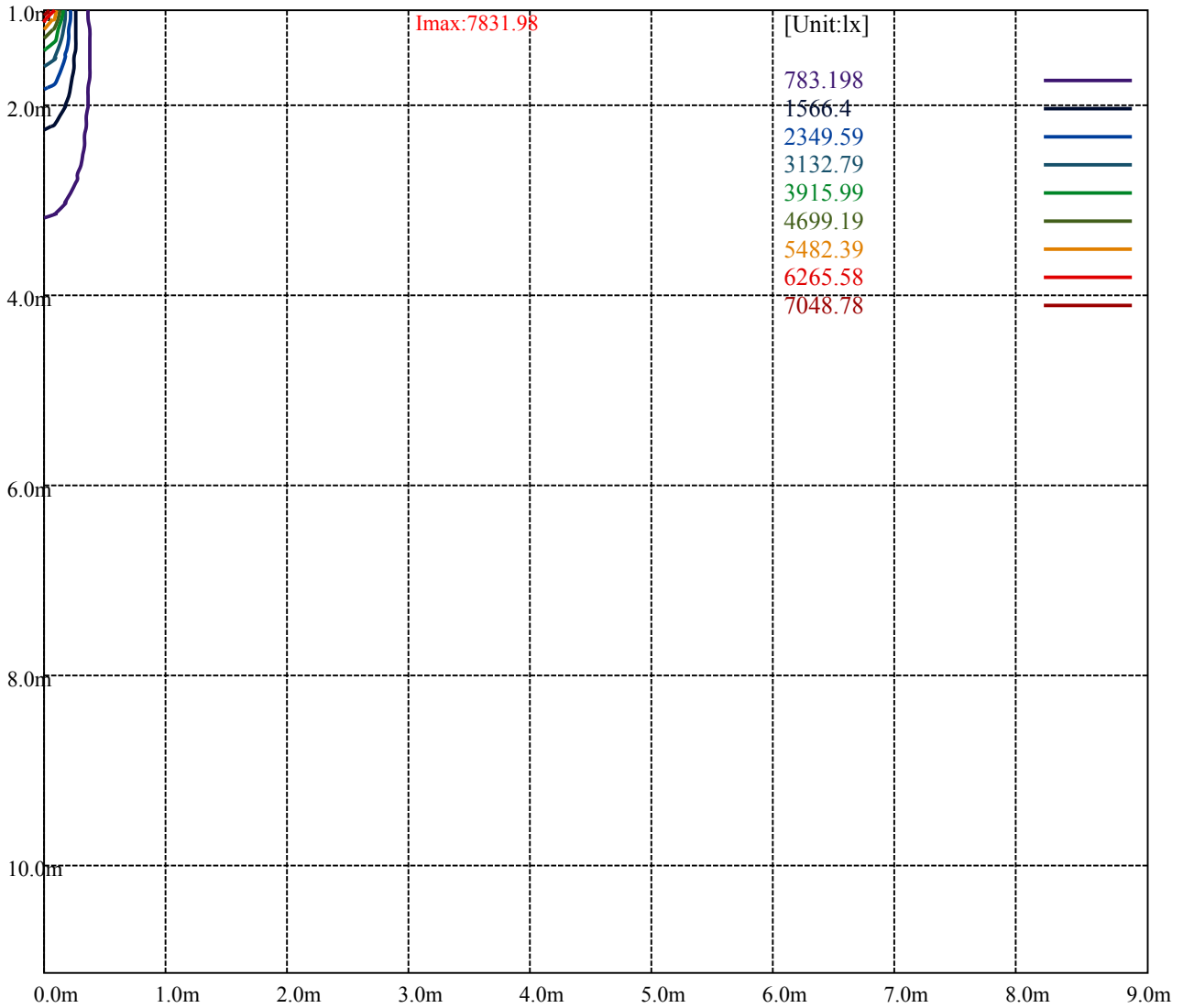
Road

Imax:7831.98

(10%Imax) 783.198	—
(20%Imax) 1566.4	—
(30%Imax) 2349.59	—
(40%Imax) 3132.79	—
(50%Imax) 3915.99	—
(60%Imax) 4699.19	—
(70%Imax) 5482.39	—
(80%Imax) 6265.58	—
(90%Imax) 7048.78	—



- (10%Emax) 195.7993
- (20%Emax) 391.5975
- (30%Emax) 587.3975
- (40%Emax) 783.1975
- (50%Emax) 978.9975
- (60%Emax) 1174.795
- (70%Emax) 1370.595
- (80%Emax) 1566.395
- (90%Emax) 1762.193



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

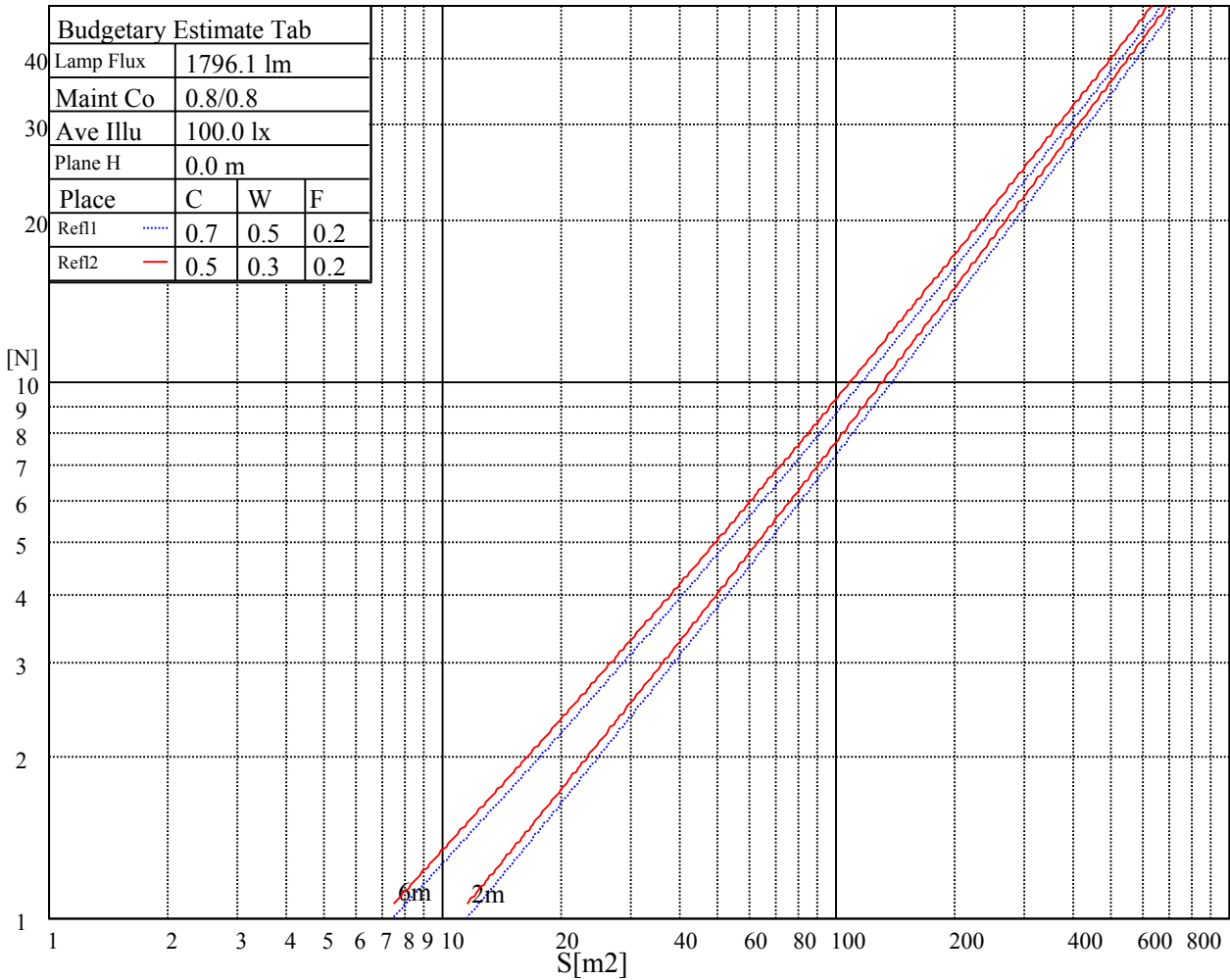
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

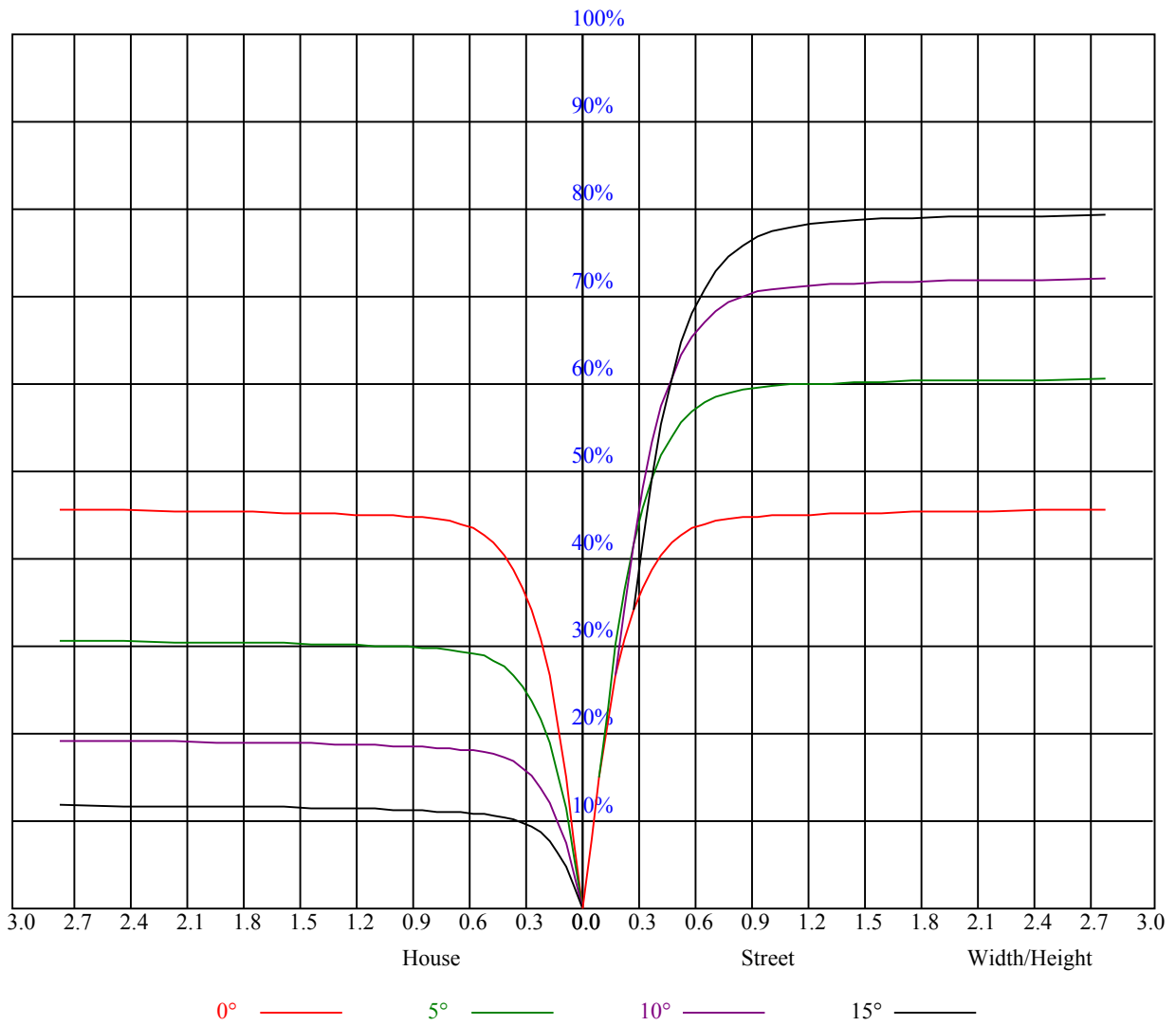


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	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	1.03	1.01	0.99	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
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	0.81	0.80
4	0.89	0.84	0.81	0.88	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	0.78	0.75	0.73	0.77	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63





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	7777.18	7546.91	7265.71	6898.17	6331.34	5834.27	5315.61	4785.87	4137.68
45.0	7853.57	7815.93	7639.35	7399.12	7051.50	6503.49	6019.15	5354.35	4811.89
90.0	7826.45	7650.97	7415.72	7091.90	6579.88	6107.72	5453.44	4906.54	4369.61
135.0	7870.73	7842.50	7753.38	7563.52	7202.06	6810.15	6367.32	5741.28	5209.33
180.0	7777.18	7867.96	7863.53	7807.07	7613.89	7347.64	6993.37	6445.93	5944.98
225.0	7853.57	7824.23	7699.69	7495.98	7197.63	6828.97	6269.90	5753.45	5208.77
270.0	7826.45	7864.64	7813.16	7690.28	7406.87	7109.06	6735.43	6285.40	5637.76
315.0	7870.73	7786.59	7620.53	7368.12	7029.91	6628.04	6045.72	5514.33	4815.21
360.0	7777.18	7546.91	7265.71	6898.17	6331.34	5834.27	5315.61	4785.87	4137.68
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3652.78	3216.04	2748.86	2427.81	2114.51	1902.50	1710.98	1548.24	1373.32
45.0	4297.65	3800.02	3252.58	2860.12	2514.16	2232.41	2001.03	1755.26	1582.56
90.0	3870.88	3308.48	2907.72	2560.66	2263.96	1967.82	1777.96	1608.02	1459.67
135.0	4545.64	4055.20	3594.11	3076.55	2717.31	2408.44	2152.15	1880.36	1696.03
180.0	5287.93	4767.05	4262.23	3771.79	3229.33	2851.82	2523.57	2252.89	1980.00
225.0	4670.74	4047.46	3583.04	3157.92	2720.08	2421.17	2163.77	1898.07	1713.75
270.0	5089.21	4562.24	3932.32	3470.67	3050.54	2611.03	2317.10	2064.69	1817.81
315.0	4289.90	3797.81	3248.15	2865.10	2541.84	2198.64	1963.39	1767.99	1596.95
360.0	3652.78	3216.04	2748.86	2427.81	2114.51	1902.50	1710.98	1548.24	1373.32
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1092.79	1092.79	1043.86	930.44	845.42	762.50	686.88	593.34	516.73
45.0	1435.87	1283.65	1171.28	1047.84	954.30	871.27	767.75	689.15	613.32
90.0	1221.65	1093.40	1093.40	980.15	896.12	817.02	721.70	646.75	574.18
135.0	1546.03	1408.75	1262.06	1161.32	1069.99	961.49	877.91	776.06	695.24
180.0	1779.62	1614.11	1461.89	1306.34	1198.41	1076.07	985.29	901.71	803.18
225.0	1550.45	1375.54	1093.84	1093.84	1047.18	933.59	847.35	762.88	684.23
270.0	1648.98	1493.44	1326.27	1212.24	1113.71	1016.85	905.03	822.00	740.08
315.0	1414.84	1103.03	1103.03	1077.57	964.48	878.18	794.55	718.27	623.12
360.0	1092.79	1092.79	1043.86	930.44	845.42	762.50	686.88	593.34	516.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	447.92	372.36	318.28	261.10	220.20	185.49	154.88	123.44	103.07
45.0	537.48	450.58	388.03	334.34	286.18	286.18	194.35	164.51	132.24
90.0	483.74	417.48	360.91	308.82	251.19	212.78	179.18	149.79	119.40
135.0	614.98	539.70	453.90	390.24	335.44	286.18	286.18	193.41	162.35
180.0	727.35	649.85	572.36	482.13	416.26	357.03	305.55	281.75	281.75
225.0	587.91	515.01	448.70	374.19	321.60	264.98	225.18	191.41	154.49
270.0	667.56	576.23	503.72	416.81	358.14	305.00	280.64	280.64	173.75
315.0	549.33	458.94	394.45	336.49	273.00	230.44	194.01	162.79	130.58
360.0	447.92	372.36	318.28	261.10	220.20	185.49	154.88	123.44	103.07
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	86.79	73.62	60.56	52.48	46.05	39.69	35.65	32.22	28.67
45.0	111.15	94.21	77.33	66.65	58.23	50.15	44.84	39.97	35.92
90.0	100.52	81.76	69.30	59.62	50.32	44.39	39.58	34.43	31.00
135.0	135.73	108.49	91.00	73.68	62.88	54.80	46.72	41.35	37.09
180.0	174.70	139.55	117.02	98.36	79.65	67.70	56.13	49.04	43.23
225.0	129.58	109.38	92.61	78.49	64.21	55.41	48.38	42.68	36.87
270.0	144.97	116.41	97.98	83.25	71.02	58.73	51.15	45.06	38.86
315.0	109.77	92.00	77.83	63.60	54.97	47.99	41.18	36.81	33.16
360.0	86.79	73.62	60.56	52.48	46.05	39.69	35.65	32.22	28.67

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	26.35	24.52	22.53	21.31	20.15	18.99	18.16	17.49	16.88
45.0	31.77	29.17	26.90	24.96	22.97	21.59	20.15	19.15	18.38
90.0	28.29	26.02	23.69	22.20	20.92	19.87	18.71	17.93	17.05
135.0	33.32	29.56	27.12	25.08	23.36	21.59	20.37	19.37	18.54
180.0	38.47	34.49	30.44	27.84	25.68	23.53	22.09	20.81	19.48
225.0	33.16	29.39	26.90	24.91	22.81	21.42	20.26	19.04	18.16
270.0	34.98	31.66	28.29	26.07	24.24	22.36	21.03	19.93	18.99
315.0	29.34	27.01	24.58	22.97	21.59	20.43	19.15	18.27	17.55
360.0	26.35	24.52	22.53	21.31	20.15	18.99	18.16	17.49	16.88
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.22	15.78	15.39	15.00	14.61	14.39	14.06	13.84	13.62
45.0	17.49	16.88	16.38	15.78	15.39	15.06	14.72	14.45	14.17
90.0	16.50	16.00	15.44	15.06	14.72	14.50	14.12	13.89	13.67
135.0	17.66	17.05	16.38	15.89	15.50	15.06	14.72	14.45	14.23
180.0	18.60	17.82	17.05	16.50	16.00	15.55	15.17	14.83	14.56
225.0	17.44	16.88	16.16	15.72	15.28	14.95	14.56	14.28	13.95
270.0	17.99	17.21	16.66	16.16	15.61	15.22	14.89	14.50	14.23
315.0	16.88	16.38	15.78	15.39	14.95	14.61	14.34	14.06	13.78
360.0	16.22	15.78	15.39	15.00	14.61	14.39	14.06	13.84	13.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.28	13.01	12.73	12.34	11.96	11.57	11.29	10.96	10.63
45.0	13.89	13.62	13.34	12.95	12.62	12.12	11.79	11.35	11.02
90.0	13.45	13.12	12.84	12.51	12.01	11.68	11.35	10.96	10.68
135.0	13.89	13.67	13.40	13.12	12.68	12.34	11.96	11.57	11.18
180.0	14.23	13.95	13.73	13.45	13.06	12.79	12.45	12.01	11.62
225.0	13.73	13.45	13.12	12.90	12.57	12.18	11.79	11.40	11.07
270.0	13.95	13.67	13.45	13.12	12.84	12.57	12.18	11.73	11.40
315.0	13.56	13.28	13.01	12.73	12.40	11.96	11.62	11.29	11.02
360.0	13.28	13.01	12.73	12.34	11.96	11.57	11.29	10.96	10.63
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.35	10.13	9.85	9.58	9.41	9.13	8.91	8.75	8.52
45.0	10.68	10.46	10.13	9.91	9.69	9.47	9.19	8.97	8.75
90.0	10.35	10.02	9.85	9.58	9.41	9.08	8.91	8.69	8.52
135.0	10.90	10.52	10.30	9.96	9.74	9.52	9.30	9.08	8.86
180.0	11.18	10.96	10.68	10.35	10.07	9.80	9.58	9.35	9.08
225.0	10.79	10.46	10.24	9.96	9.69	9.52	9.24	8.97	8.80
270.0	11.07	10.79	10.46	10.24	9.96	9.69	9.47	9.24	8.97
315.0	10.63	10.41	10.07	9.85	9.58	9.35	9.13	8.97	8.75
360.0	10.35	10.13	9.85	9.58	9.41	9.13	8.91	8.75	8.52
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.41	8.25	8.08	7.86	7.64	7.42	7.36	7.03	7.09
45.0	8.58	8.36	8.14	7.97	7.80	7.64	7.47	7.31	7.03
90.0	8.36	8.14	7.97	7.80	7.64	7.53	7.36	7.09	7.09
135.0	8.64	8.47	8.25	8.03	7.86	7.69	7.53	7.31	7.09
180.0	8.91	8.69	8.47	8.30	8.14	7.92	7.75	7.53	7.42
225.0	8.69	8.47	8.25	8.08	7.92	7.75	7.58	7.42	7.31
270.0	8.86	8.58	8.47	8.30	8.08	7.92	7.64	7.47	7.42
315.0	8.58	8.47	8.30	8.14	7.97	7.58	7.42	7.36	7.03
360.0	8.41	8.25	8.08	7.86	7.64	7.42	7.36	7.03	7.09

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>7.14</b>
<b>45.0</b>	<b>7.09</b>
<b>90.0</b>	<b>7.03</b>
<b>135.0</b>	<b>7.09</b>
<b>180.0</b>	<b>7.14</b>
<b>225.0</b>	<b>7.03</b>
<b>270.0</b>	<b>7.03</b>
<b>315.0</b>	<b>7.09</b>
<b>360.0</b>	<b>7.14</b>