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NT

Client:

LumCAT: 1-1377-L

Luminaire: 92.70.410.00

Report No: 20231109-B019

Ballast type: AC

Test No: 20231109-C019

Voltage(V): 34.720

LampCAT: Fortimo_SLM_C_1204

Current(A): 0.320

Lamp flux(lm): 1771.7

Power (W): 11.110

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1639.37, Efficiency(%): 92.53% , Luminous Efficacy(lm/W): 147.56

Central intensity(cd): 7262.253, Maximum intensity(cd): 7262.253

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=20.6

[C90/270]Total=20.6

Field angle(10%Imax): [C0/180]Total=51.4

[C90/270]Total=51.4

Maximum s/h(1/2): C0_180=0.35 C90_270=0.35

Maximum s/h(1/4): C0_180=0.38 C90_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.53%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.997%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
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	7262.254	0.000	0	0.00%	0.00%
1.0	7233.193	6.936	6.936	0.39%	0.42%
2.0	7136.463	20.625	27.56	1.16%	1.68%
3.0	6983.410	33.770	61.331	1.91%	3.74%
4.0	6745.113	45.954	107.284	2.59%	6.54%
5.0	6379.156	56.460	163.744	3.19%	9.99%
6.0	5938.057	64.730	228.474	3.65%	13.94%
7.0	5438.076	70.611	299.086	3.99%	18.24%
8.0	4882.672	73.864	372.95	4.17%	22.75%
9.0	4283.815	74.289	447.239	4.19%	27.28%
10.0	3765.982	72.848	520.087	4.11%	31.72%
11.0	3315.196	70.756	590.842	3.99%	36.04%
12.0	2904.749	67.993	658.835	3.84%	40.19%
13.0	2553.185	64.772	723.607	3.66%	44.14%
14.0	2274.964	61.800	785.407	3.49%	47.91%
15.0	2031.339	59.119	844.526	3.34%	51.52%
16.0	1840.715	56.736	901.262	3.20%	54.98%
17.0	1647.738	54.325	955.587	3.07%	58.29%
18.0	1507.555	52.024	1007.611	2.94%	61.46%
19.0	1343.702	49.606	1057.217	2.80%	64.49%
20.0	1208.674	46.716	1103.932	2.64%	67.34%
21.0	1145.065	45.197	1149.129	2.55%	70.10%
22.0	1058.243	44.276	1193.405	2.50%	72.80%
23.0	970.999	42.579	1235.984	2.40%	75.39%
24.0	887.069	40.624	1276.608	2.29%	77.87%
25.0	792.525	38.190	1314.799	2.16%	80.20%
26.0	699.393	35.217	1350.015	1.99%	82.35%
27.0	617.428	32.216	1382.232	1.82%	84.31%
28.0	531.332	29.084	1411.316	1.64%	86.09%
29.0	453.263	25.760	1437.076	1.45%	87.66%
30.0	374.439	22.348	1459.424	1.26%	89.02%
31.0	306.659	18.954	1478.378	1.07%	90.18%
32.0	249.790	15.942	1494.319	0.90%	91.15%
33.0	224.016	13.959	1508.278	0.79%	92.00%
34.0	161.591	11.670	1519.947	0.66%	92.72%
35.0	125.037	8.902	1528.849	0.50%	93.26%
36.0	107.047	7.390	1536.238	0.42%	93.71%
37.0	95.360	6.601	1542.84	0.37%	94.11%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	84.179	5.993	1548.833	0.34%	94.48%
39.0	74.029	5.400	1554.233	0.30%	94.81%
40.0	65.725	4.874	1559.107	0.28%	95.10%
41.0	58.502	4.424	1563.53	0.25%	95.37%
42.0	51.472	3.996	1567.526	0.23%	95.62%
43.0	45.867	3.606	1571.132	0.20%	95.84%
44.0	41.010	3.279	1574.411	0.19%	96.04%
45.0	36.852	2.992	1577.403	0.17%	96.22%
46.0	33.371	2.746	1580.149	0.16%	96.39%
47.0	30.534	2.542	1582.691	0.14%	96.54%
48.0	28.057	2.369	1585.06	0.13%	96.69%
49.0	26.044	2.222	1587.281	0.13%	96.82%
50.0	24.342	2.101	1589.382	0.12%	96.95%
51.0	22.882	1.998	1591.38	0.11%	97.07%
52.0	21.581	1.908	1593.288	0.11%	97.19%
53.0	20.557	1.833	1595.121	0.10%	97.30%
54.0	19.595	1.770	1596.891	0.10%	97.41%
55.0	18.716	1.710	1598.601	0.10%	97.51%
56.0	18.031	1.661	1600.261	0.09%	97.61%
57.0	17.381	1.619	1601.881	0.09%	97.71%
58.0	16.814	1.581	1603.462	0.09%	97.81%
59.0	16.281	1.547	1605.009	0.09%	97.90%
60.0	15.790	1.515	1606.524	0.09%	98.00%
61.0	15.354	1.486	1608.01	0.08%	98.09%
62.0	14.925	1.459	1609.469	0.08%	98.18%
63.0	14.510	1.432	1610.901	0.08%	98.26%
64.0	14.129	1.405	1612.306	0.08%	98.35%
65.0	13.714	1.378	1613.684	0.08%	98.43%
66.0	13.333	1.349	1615.034	0.08%	98.52%
67.0	12.918	1.320	1616.354	0.07%	98.60%
68.0	12.475	1.286	1617.64	0.07%	98.67%
69.0	12.060	1.252	1618.892	0.07%	98.75%
70.0	11.693	1.220	1620.112	0.07%	98.83%
71.0	11.285	1.188	1621.299	0.07%	98.90%
72.0	10.912	1.154	1622.453	0.07%	98.97%
73.0	10.579	1.124	1623.577	0.06%	99.04%
74.0	10.282	1.097	1624.674	0.06%	99.10%
75.0	9.998	1.072	1625.745	0.06%	99.17%

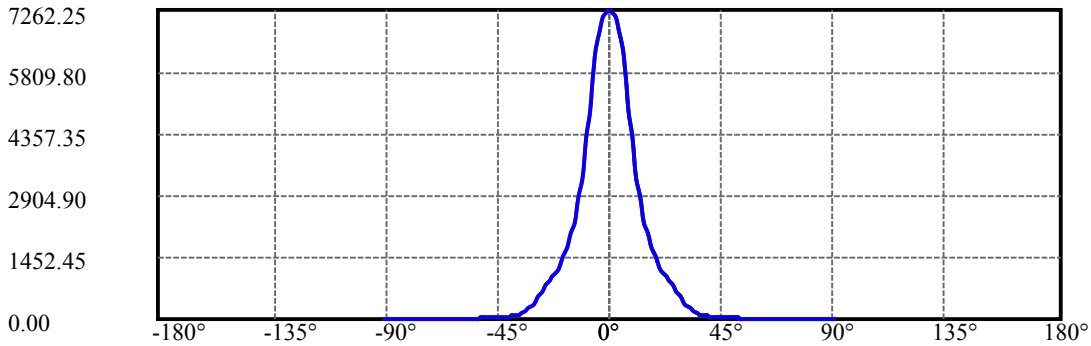
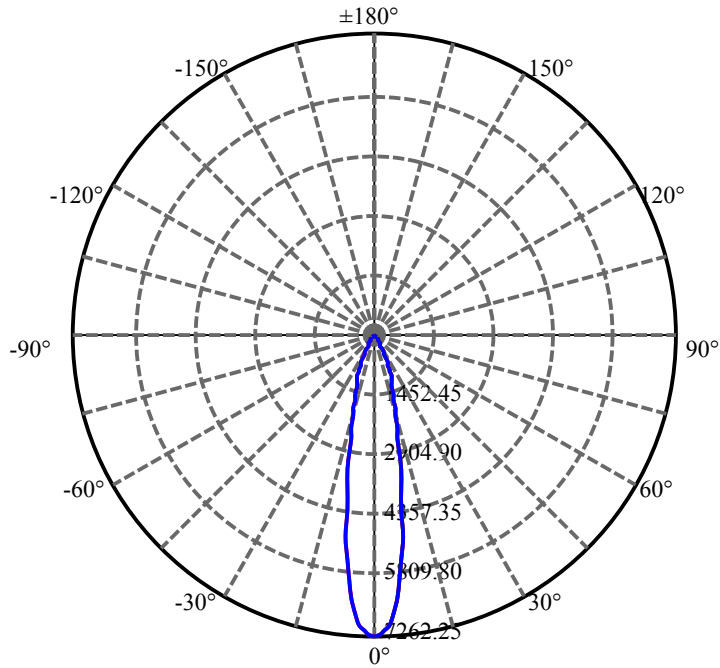
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.715	1.046	1626.792	0.06%	99.23%
77.0	9.459	1.022	1627.814	0.06%	99.30%
78.0	9.209	0.999	1628.813	0.06%	99.36%
79.0	8.967	0.977	1629.79	0.06%	99.42%
80.0	8.760	0.956	1630.746	0.05%	99.47%
81.0	8.559	0.937	1631.682	0.05%	99.53%
82.0	8.400	0.920	1632.602	0.05%	99.59%
83.0	8.206	0.903	1633.505	0.05%	99.64%
84.0	8.012	0.884	1634.388	0.05%	99.70%
85.0	7.846	0.866	1635.254	0.05%	99.75%
86.0	7.680	0.849	1636.102	0.05%	99.80%
87.0	7.570	0.835	1636.937	0.05%	99.85%
88.0	7.431	0.822	1637.759	0.05%	99.90%
89.0	7.307	0.808	1638.567	0.05%	99.95%
90.0	7.286	0.800	1639.367	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1459.42	82.38%	89.02%
0-40	1559.11	88.00%	95.10%
0-60	1606.52	90.68%	98.00%
0-90	1638.57	92.49%	99.95%
0-120	1638.57	92.49%	99.95%
0-180	1639.37	92.53%	100.00%
60-90	32.04	1.81%	1.95%
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%
0-24.91	1311.49	74.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	520.09
10-20	583.85
20-30	355.49
30-40	99.68
40-50	30.28
50-60	17.14
60-70	13.59
70-80	10.63
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



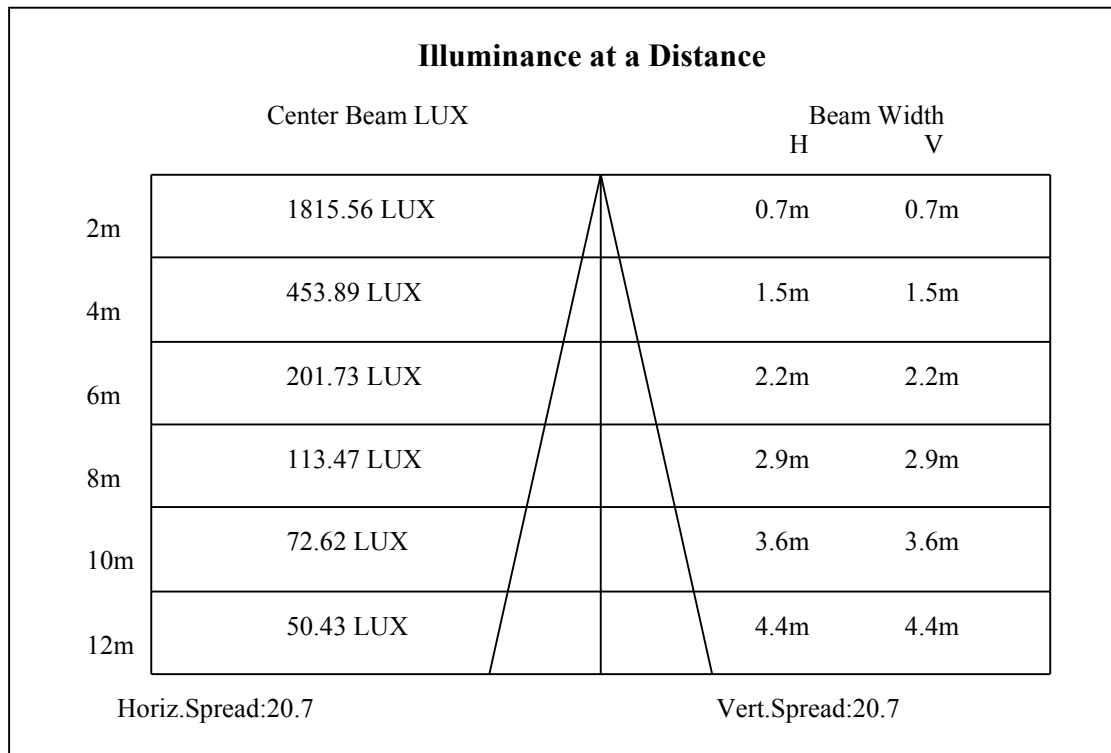
C0(Max): —————

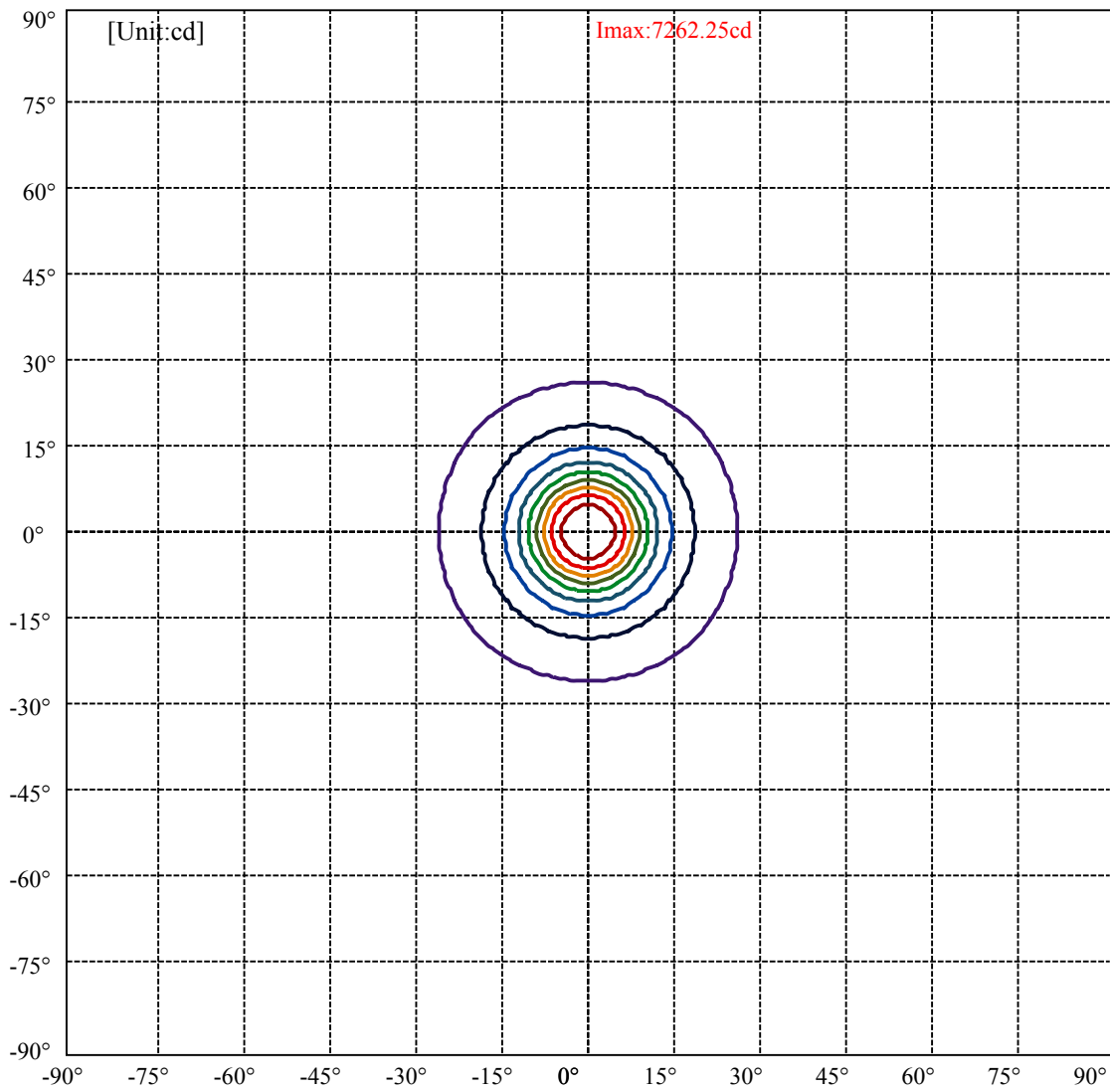
C0/C180: —————

C90/C270: —————

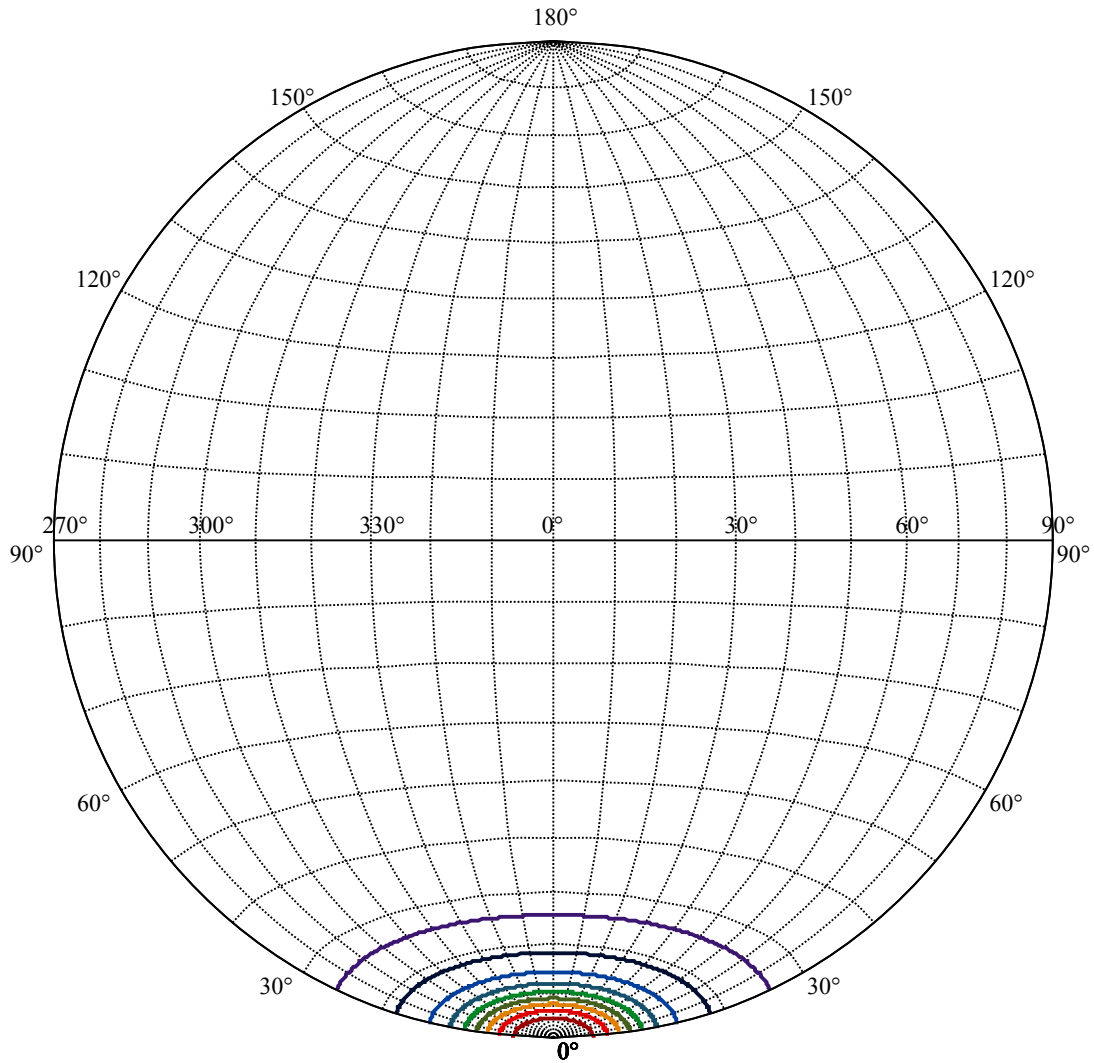
Field angle(10%Imax):C0/180Left:25.7 Right:25.7
:C90/270Left:25.7 Right:25.7

Beam Angle(50%Imax):C0/180Left:10.3 Right:10.3
:C90/270Left:10.3 Right:10.3





(10%Imax) 726.225	—
(20%Imax) 1452.45	—
(30%Imax) 2178.68	—
(40%Imax) 2904.9	—
(50%Imax) 3631.13	—
(60%Imax) 4357.35	—
(70%Imax) 5083.58	—
(80%Imax) 5809.8	—
(90%Imax) 6536.03	—



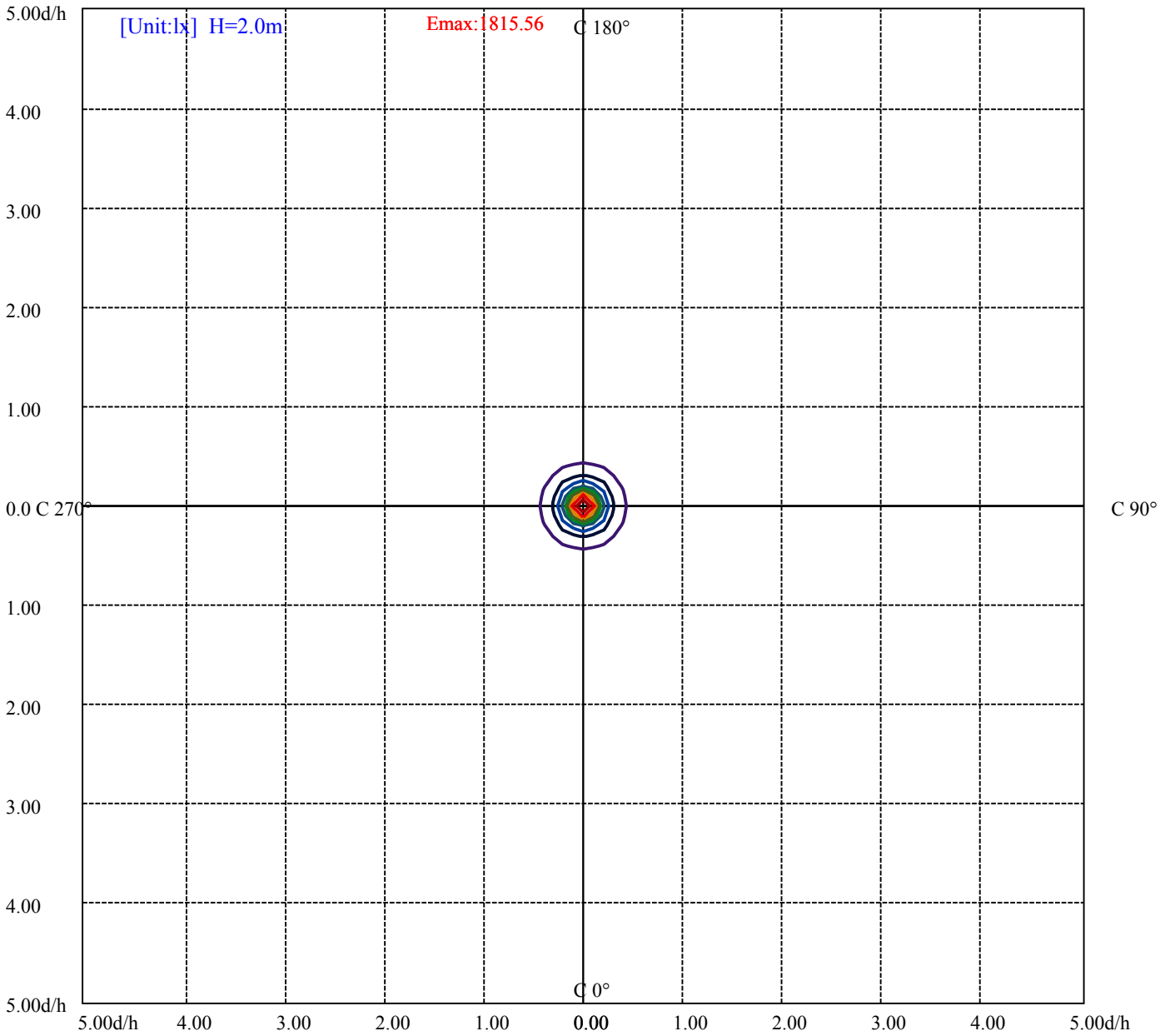
House

[Unit:cd]

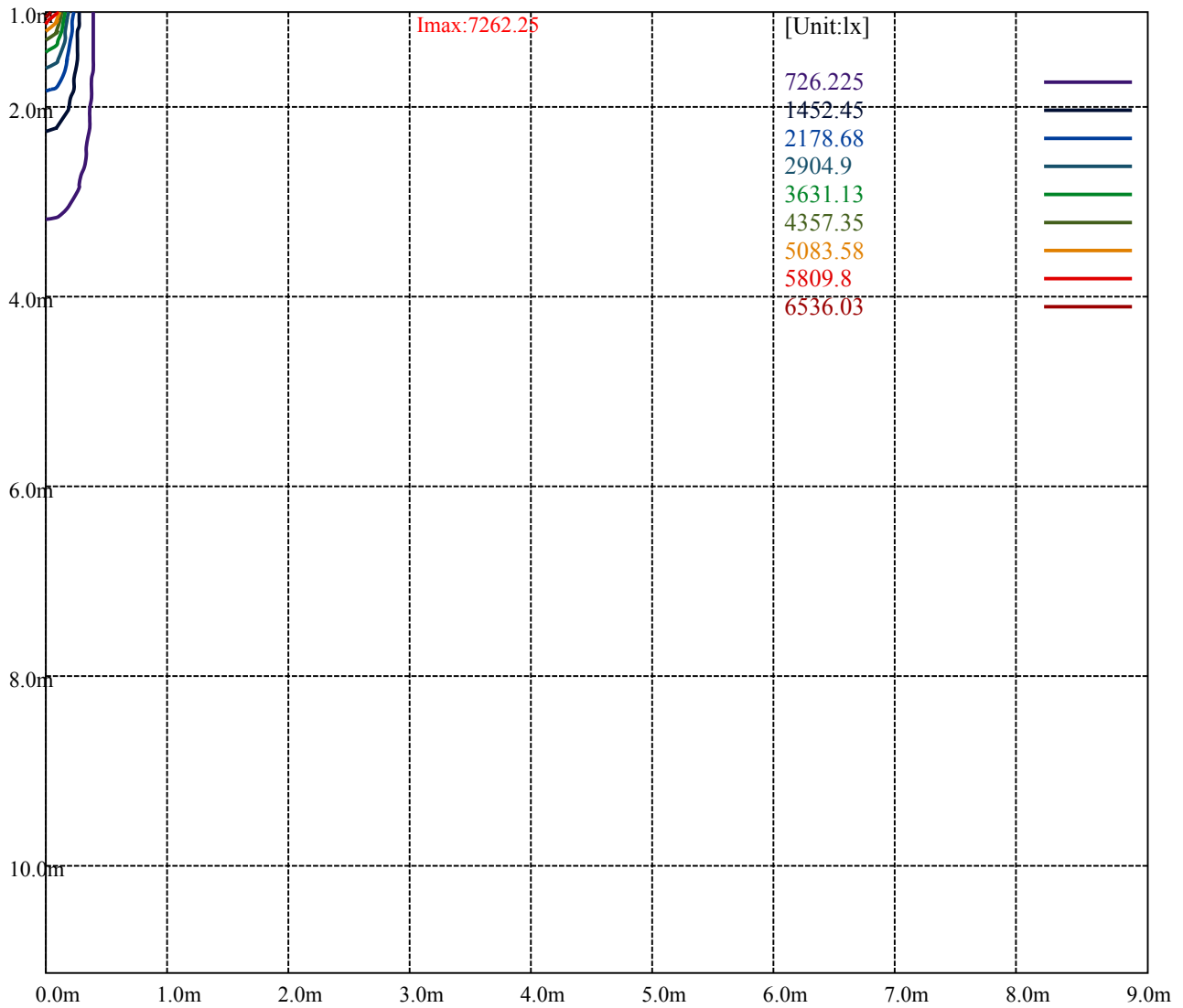
Road

Imax:7262.25

(10%Imax)	726.225	—
(20%Imax)	1452.45	—
(30%Imax)	2178.68	—
(40%Imax)	2904.9	—
(50%Imax)	3631.13	—
(60%Imax)	4357.35	—
(70%Imax)	5083.58	—
(80%Imax)	5809.8	—
(90%Imax)	6536.03	—



- (10%Emax) 181.5562 ———
- (20%Emax) 363.1125 ———
- (30%Emax) 544.6675 ———
- (40%Emax) 726.225 ———
- (50%Emax) 907.78 ———
- (60%Emax) 1089.338 ———
- (70%Emax) 1270.892 ———
- (80%Emax) 1452.45 ———
- (90%Emax) 1634.005 ———



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

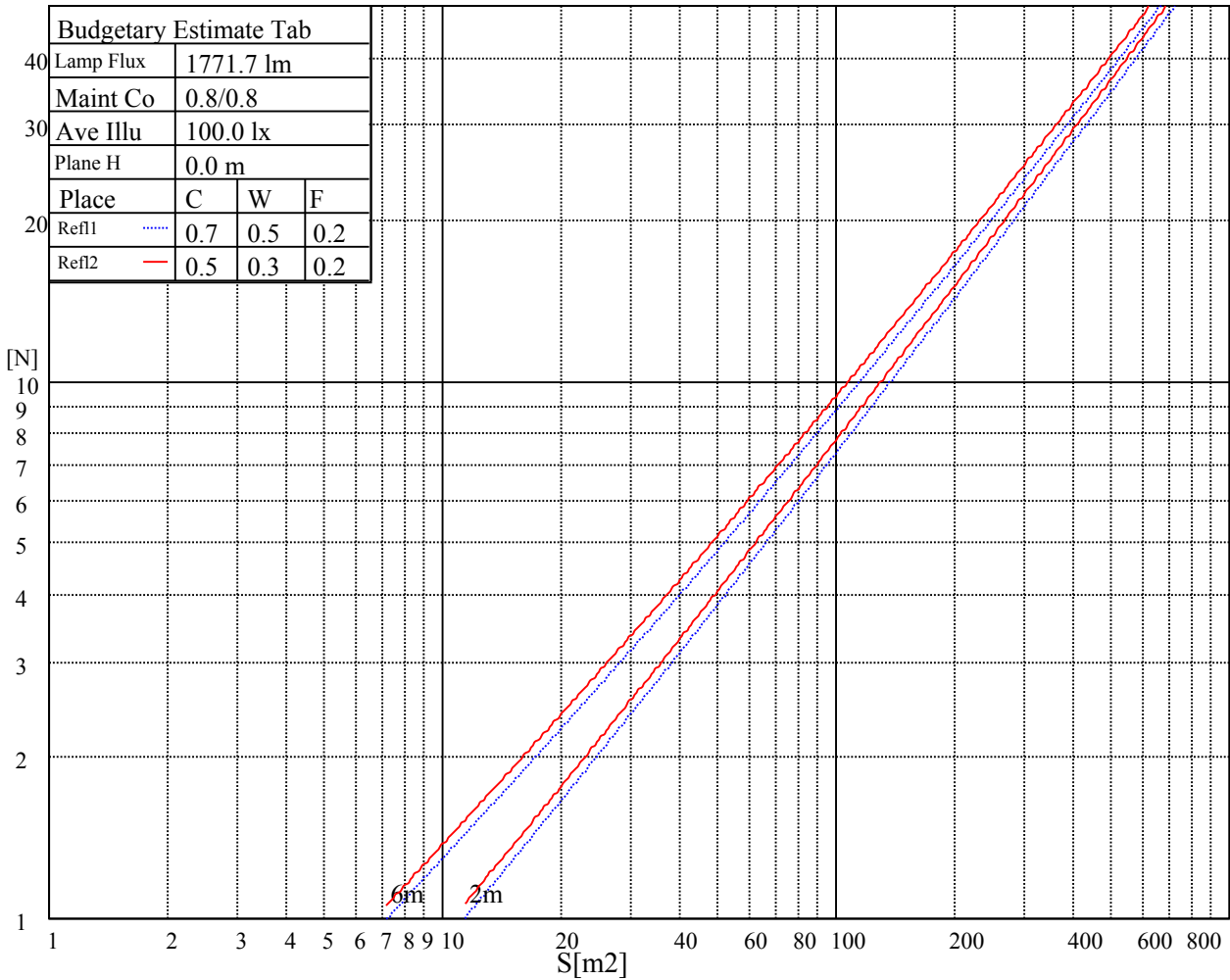
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

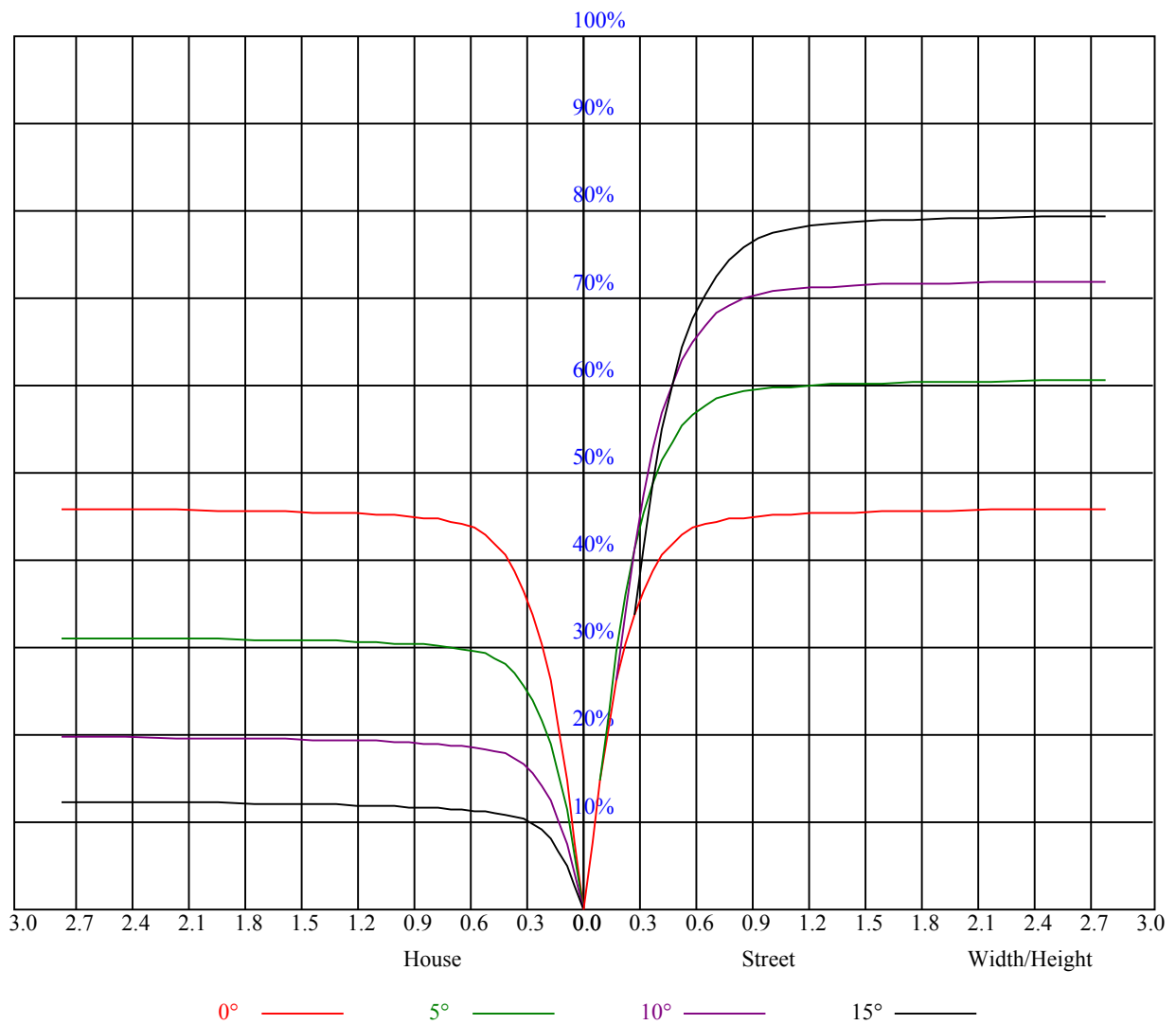


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.04	1.01	1.00	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.88
2	0.98	0.95	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.83	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	0.73	0.79	0.75	0.73	0.77	0.75	0.73	0.71
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	0.68	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	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	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	7261.29	7155.56	7001.12	6774.73	6447.03	5912.32	5411.37	4882.74	4354.11
45.0	7272.36	7275.68	7197.08	7084.15	6896.51	6607.01	6137.61	5664.89	5141.80
90.0	7256.30	7194.31	7028.25	6817.35	6530.62	6046.27	5569.13	5053.78	4519.62
135.0	7259.07	7244.13	7169.95	7035.44	6770.30	6465.30	6072.29	5480.56	4975.18
180.0	7261.29	7285.09	7260.73	7156.11	7002.78	6726.57	6403.86	5987.60	5491.08
225.0	7272.36	7217.00	7077.51	6899.83	6651.29	6300.90	5734.63	5209.88	4671.84
270.0	7256.30	7271.80	7221.43	7119.58	6902.59	6645.20	6285.95	5834.82	5181.65
315.0	7259.07	7221.98	7135.63	6980.09	6759.78	6329.68	5889.62	5390.33	4726.09
360.0	7261.29	7155.56	7001.12	6774.73	6447.03	5912.32	5411.37	4882.74	4354.11
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3731.39	3290.77	2914.37	2516.93	2255.11	1986.64	1803.97	1641.79	1472.41
45.0	4478.11	3964.42	3387.64	3000.17	2658.63	2378.54	2084.06	1882.02	1713.75
90.0	3888.04	3430.82	3032.82	2691.85	2406.22	2115.61	1914.68	1741.98	1564.29
135.0	4460.95	3837.11	3395.94	3017.88	2605.49	2334.26	2102.33	1901.95	1695.48
180.0	4833.48	4317.58	3820.51	3364.39	2882.26	2562.87	2306.03	2084.06	1844.94
225.0	4025.31	3546.51	3134.12	2696.27	2409.54	2167.09	1911.91	1739.21	1583.11
270.0	4661.88	4147.09	3662.19	3133.57	2769.34	2462.68	2153.26	1944.02	1718.18
315.0	4191.37	3593.56	3173.98	2816.94	2438.88	2192.00	1974.46	1790.69	1589.76
360.0	3731.39	3290.77	2914.37	2516.93	2255.11	1986.64	1803.97	1641.79	1472.41
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1351.73	1084.88	1084.88	1042.64	958.50	869.38	779.66	670.83	585.86
45.0	1568.72	1413.18	1301.92	1202.83	1115.38	1010.76	926.62	818.68	733.99
90.0	1438.64	1224.98	1104.30	1104.30	1002.84	917.21	831.69	746.06	640.66
135.0	1554.88	1429.23	1317.97	1192.32	1103.75	1022.93	919.98	836.95	731.22
180.0	1679.43	1531.08	1376.09	1263.72	1138.62	1057.25	983.63	901.16	799.86
225.0	1450.26	1304.13	1091.02	1091.02	1033.78	937.30	857.76	775.01	674.65
270.0	1561.53	1425.91	1306.90	1177.37	1088.81	1012.42	938.80	840.27	761.11
315.0	1455.25	1336.24	1086.31	1086.31	1024.26	940.73	858.42	751.26	667.79
360.0	1351.73	1084.88	1084.88	1042.64	958.50	869.38	779.66	670.83	585.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	507.26	432.81	346.35	283.63	213.44	170.82	141.21	118.95	106.44
45.0	646.53	548.00	471.61	399.65	331.57	284.52	284.52	162.91	138.05
90.0	559.57	483.68	414.21	330.24	269.46	215.71	163.07	137.61	121.28
135.0	647.64	565.71	486.56	395.22	326.59	293.93	293.93	159.81	134.51
180.0	716.83	631.58	554.09	461.10	388.03	321.60	289.50	289.50	149.29
225.0	596.71	500.23	428.77	360.08	293.82	219.14	171.32	135.67	112.70
270.0	678.08	598.93	508.70	434.53	362.57	280.09	280.09	158.20	126.76
315.0	586.80	489.71	415.82	331.07	267.80	212.50	168.50	130.08	111.26
360.0	507.26	432.81	346.35	283.63	213.44	170.82	141.21	118.95	106.44
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	95.10	85.58	74.56	66.59	59.56	53.47	46.83	42.23	38.30
45.0	118.29	105.84	94.77	82.14	73.18	65.43	57.12	51.31	44.89
90.0	105.01	93.82	84.19	72.79	64.87	57.79	51.76	45.00	40.41
135.0	118.68	106.17	92.83	82.75	71.52	64.15	57.73	50.59	45.61
180.0	117.29	103.01	92.05	80.10	72.02	64.32	55.58	49.76	44.67
225.0	95.93	85.74	76.78	66.59	59.01	52.53	45.83	41.18	37.14
270.0	107.50	94.71	81.70	73.12	65.15	58.01	50.15	44.95	40.24
315.0	98.58	88.01	76.55	68.14	60.50	52.31	46.77	41.90	36.81
360.0	95.10	85.58	74.56	66.59	59.56	53.47	46.83	42.23	38.30

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	34.15	31.39	29.12	26.68	25.02	23.69	22.20	21.15	20.26
45.0	40.46	36.64	33.43	30.61	27.68	25.79	24.24	22.86	21.42
90.0	36.53	33.10	29.72	27.51	25.19	23.69	22.36	21.03	20.15
135.0	41.24	36.70	33.65	31.00	28.84	26.57	25.02	23.58	22.47
180.0	40.24	35.65	32.55	29.89	27.68	25.35	23.80	22.09	20.92
225.0	33.05	30.33	28.01	25.57	24.02	22.69	21.48	20.15	19.26
270.0	35.59	32.44	29.89	27.23	25.52	23.97	22.36	21.26	20.26
315.0	33.54	30.72	27.90	25.96	24.41	22.97	21.59	20.54	19.71
360.0	34.15	31.39	29.12	26.68	25.02	23.69	22.20	21.15	20.26
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.48	18.54	17.99	17.33	16.83	16.27	15.78	15.22	14.78
45.0	20.43	19.37	18.65	17.99	17.27	16.72	16.16	15.61	15.17
90.0	19.26	18.38	17.71	17.21	16.66	16.22	15.61	15.22	14.78
135.0	21.15	20.26	19.48	18.60	17.99	17.27	16.72	16.22	15.72
180.0	19.93	18.88	18.10	17.44	16.88	16.27	15.83	15.44	15.06
225.0	18.49	17.77	17.05	16.55	16.05	15.55	15.17	14.78	14.34
270.0	19.15	18.49	17.82	17.21	16.55	16.11	15.72	15.39	14.95
315.0	18.88	18.05	17.44	16.72	16.27	15.83	15.33	14.95	14.61
360.0	19.48	18.54	17.99	17.33	16.83	16.27	15.78	15.22	14.78
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.45	13.95	13.56	13.17	12.68	12.18	11.85	11.46	11.02
45.0	14.78	14.34	13.89	13.45	13.06	12.68	12.12	11.73	11.40
90.0	14.34	14.00	13.51	13.06	12.68	12.12	11.73	11.46	10.96
135.0	15.11	14.72	14.28	13.84	13.28	12.84	12.40	12.01	11.57
180.0	14.61	14.23	13.89	13.51	13.12	12.73	12.29	11.96	11.46
225.0	14.06	13.73	13.34	13.01	12.62	12.29	11.85	11.51	11.18
270.0	14.56	14.23	13.84	13.51	13.17	12.68	12.34	12.01	11.57
315.0	14.17	13.84	13.40	13.12	12.73	12.29	11.90	11.40	11.13
360.0	14.45	13.95	13.56	13.17	12.68	12.18	11.85	11.46	11.02
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.63	10.35	10.02	9.69	9.47	9.24	8.91	8.69	8.47
45.0	10.85	10.57	10.13	9.91	9.63	9.41	9.08	8.86	8.69
90.0	10.68	10.30	10.02	9.74	9.41	9.19	8.97	8.75	8.52
135.0	11.18	10.74	10.46	10.19	9.85	9.58	9.35	9.08	8.86
180.0	11.13	10.79	10.52	10.24	9.91	9.69	9.47	9.19	8.97
225.0	10.79	10.52	10.30	10.02	9.74	9.41	9.24	8.97	8.75
270.0	11.24	10.96	10.63	10.30	10.02	9.80	9.52	9.24	9.08
315.0	10.79	10.41	10.19	9.91	9.69	9.35	9.13	8.97	8.75
360.0	10.63	10.35	10.02	9.69	9.47	9.24	8.91	8.69	8.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.36	8.30	8.08	7.86	7.75	7.58	7.53	7.14	7.20
45.0	8.41	8.30	8.14	7.92	7.75	7.58	7.53	7.36	7.25
90.0	8.47	8.25	7.92	7.80	7.64	7.53	7.47	7.36	7.47
135.0	8.64	8.47	8.25	8.03	7.86	7.69	7.58	7.53	7.14
180.0	8.75	8.52	8.41	8.25	8.03	7.86	7.69	7.53	7.53
225.0	8.52	8.36	8.19	7.97	7.86	7.69	7.53	7.42	7.25
270.0	8.80	8.64	8.41	8.25	8.03	7.80	7.64	7.53	7.36
315.0	8.52	8.36	8.25	8.03	7.86	7.69	7.58	7.58	7.25
360.0	8.36	8.30	8.08	7.86	7.75	7.58	7.53	7.14	7.20

Intensity data(cd)

C/γ(°)	90.0
0.0	7.31
45.0	7.47
90.0	7.53
135.0	7.25
180.0	7.20
225.0	7.20
270.0	7.25
315.0	7.09
360.0	7.31