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NT

Client:

LumCAT: 1-1379-L

Luminaire: 92.70.410.00

Report No: 20231109-B013

Ballast type: AC

Test No: 20231109-C013

Voltage(V): 34.750

LampCAT: Fortimo\_SLM\_C\_1204

Current(A): 0.320

Lamp flux(lm): 1771.7

Power (W): 11.120

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1611.27, Efficiency(%): 90.95% , Luminous Efficacy(lm/W): 144.90

Central intensity(cd): 3743.840, Maximum intensity(cd): 3743.840

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

Beam Angle(50%Imax): [C0/180]Total=37.4

[C90/270]Total=37.4

Field angle(10%Imax): [C0/180]Total=60.8

[C90/270]Total=60.8

Beam angle of C0 plane : 37.39

Average BeamAngle(IEC 61341):37.39

Maximum s/h(1/2): C0\_180=0.62 C90\_270=0.62

Maximum s/h(1/4): C0\_180=0.59 C90\_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.95%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.019%

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	3743.841	0.000	0	0.00%	0.00%
1.0	3740.243	3.581	3.581	0.20%	0.22%
2.0	3737.198	10.732	14.313	0.61%	0.89%
3.0	3735.814	17.873	32.186	1.01%	2.00%
4.0	3714.918	24.940	57.126	1.41%	3.55%
5.0	3676.033	31.795	88.922	1.79%	5.52%
6.0	3619.088	38.338	127.26	2.16%	7.90%
7.0	3548.719	44.490	171.75	2.51%	10.66%
8.0	3461.468	50.171	221.921	2.83%	13.77%
9.0	3367.090	55.342	277.262	3.12%	17.21%
10.0	3250.571	59.887	337.15	3.38%	20.92%
11.0	3132.460	63.780	400.929	3.60%	24.88%
12.0	2992.900	66.959	467.888	3.78%	29.04%
13.0	2847.043	69.305	537.194	3.91%	33.34%
14.0	2681.813	70.769	607.963	3.99%	37.73%
15.0	2521.080	71.428	679.39	4.03%	42.16%
16.0	2345.678	71.312	750.702	4.03%	46.59%
17.0	2169.238	70.309	821.011	3.97%	50.95%
18.0	1990.031	68.577	889.589	3.87%	55.21%
19.0	1820.165	66.290	955.878	3.74%	59.32%
20.0	1644.971	63.422	1019.3	3.58%	63.26%
21.0	1421.653	58.885	1078.185	3.32%	66.92%
22.0	1239.409	53.475	1131.66	3.02%	70.23%
23.0	1142.332	49.975	1181.636	2.82%	73.34%
24.0	1020.236	47.282	1228.917	2.67%	76.27%
25.0	886.439	43.354	1272.271	2.45%	78.96%
26.0	766.550	39.019	1311.29	2.20%	81.38%
27.0	658.659	34.868	1346.158	1.97%	83.55%
28.0	563.216	30.935	1377.093	1.75%	85.47%
29.0	474.796	27.157	1404.251	1.53%	87.15%
30.0	397.674	23.557	1427.807	1.33%	88.61%
31.0	332.212	20.312	1448.119	1.15%	89.87%
32.0	276.429	17.437	1465.556	0.98%	90.96%
33.0	243.175	15.308	1480.863	0.86%	91.91%
34.0	200.934	13.440	1494.303	0.76%	92.74%
35.0	150.686	10.920	1505.223	0.62%	93.42%
36.0	124.539	8.763	1513.987	0.49%	93.96%
37.0	101.373	7.368	1521.354	0.42%	94.42%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	84.435	6.202	1527.557	0.35%	94.80%
39.0	70.230	5.279	1532.836	0.30%	95.13%
40.0	58.772	4.499	1537.335	0.25%	95.41%
41.0	50.330	3.885	1541.22	0.22%	95.65%
42.0	43.888	3.423	1544.643	0.19%	95.87%
43.0	38.796	3.063	1547.706	0.17%	96.06%
44.0	34.797	2.778	1550.483	0.16%	96.23%
45.0	31.510	2.548	1553.032	0.14%	96.39%
46.0	28.874	2.361	1555.393	0.13%	96.53%
47.0	26.763	2.213	1557.606	0.12%	96.67%
48.0	24.909	2.089	1559.695	0.12%	96.80%
49.0	23.338	1.981	1561.676	0.11%	96.92%
50.0	22.017	1.891	1563.567	0.11%	97.04%
51.0	20.882	1.815	1565.382	0.10%	97.15%
52.0	19.844	1.748	1567.13	0.10%	97.26%
53.0	18.882	1.685	1568.814	0.10%	97.37%
54.0	18.045	1.628	1570.442	0.09%	97.47%
55.0	17.360	1.580	1572.022	0.09%	97.56%
56.0	16.689	1.539	1573.561	0.09%	97.66%
57.0	16.094	1.499	1575.06	0.08%	97.75%
58.0	15.561	1.464	1576.524	0.08%	97.84%
59.0	15.029	1.430	1577.954	0.08%	97.93%
60.0	14.613	1.400	1579.354	0.08%	98.02%
61.0	14.191	1.375	1580.729	0.08%	98.10%
62.0	13.783	1.348	1582.077	0.08%	98.19%
63.0	13.409	1.323	1583.399	0.07%	98.27%
64.0	13.063	1.299	1584.698	0.07%	98.35%
65.0	12.738	1.277	1585.975	0.07%	98.43%
66.0	12.441	1.256	1587.232	0.07%	98.51%
67.0	12.143	1.236	1588.468	0.07%	98.58%
68.0	11.853	1.216	1589.683	0.07%	98.66%
69.0	11.610	1.197	1590.88	0.07%	98.73%
70.0	11.368	1.180	1592.06	0.07%	98.81%
71.0	11.119	1.162	1593.223	0.07%	98.88%
72.0	10.842	1.142	1594.365	0.06%	98.95%
73.0	10.573	1.120	1595.484	0.06%	99.02%
74.0	10.317	1.098	1596.583	0.06%	99.09%
75.0	10.067	1.077	1597.66	0.06%	99.16%

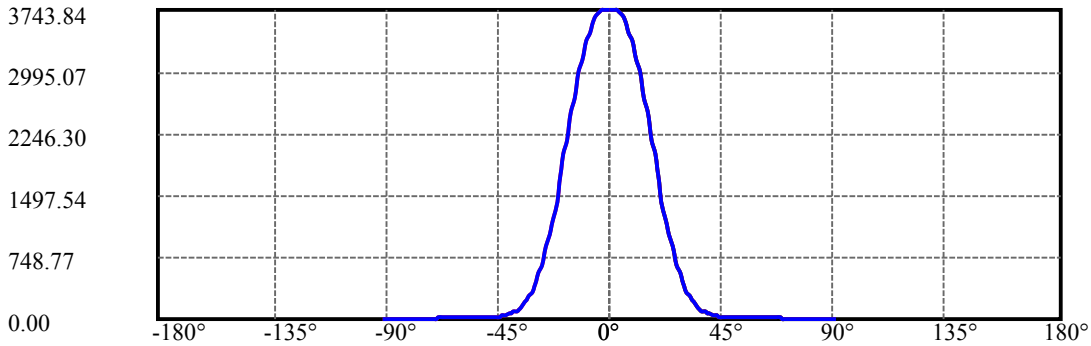
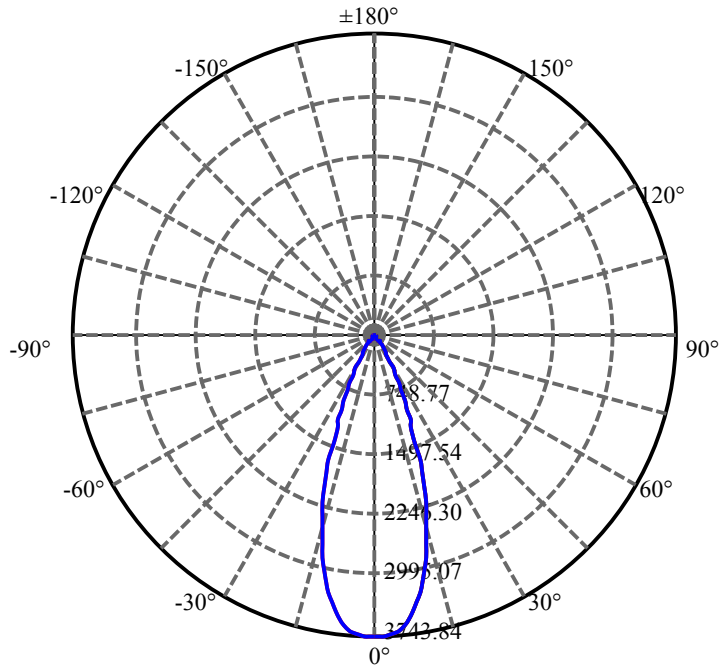
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.818	1.056	1598.715	0.06%	99.22%
77.0	9.555	1.033	1599.748	0.06%	99.28%
78.0	9.306	1.010	1600.758	0.06%	99.35%
79.0	9.064	0.987	1601.745	0.06%	99.41%
80.0	8.863	0.967	1602.711	0.05%	99.47%
81.0	8.642	0.947	1603.658	0.05%	99.53%
82.0	8.448	0.927	1604.585	0.05%	99.59%
83.0	8.213	0.906	1605.491	0.05%	99.64%
84.0	7.985	0.882	1606.373	0.05%	99.70%
85.0	7.777	0.860	1607.233	0.05%	99.75%
86.0	7.611	0.841	1608.074	0.05%	99.80%
87.0	7.445	0.824	1608.898	0.05%	99.85%
88.0	7.300	0.808	1609.706	0.05%	99.90%
89.0	7.113	0.790	1610.496	0.04%	99.95%
90.0	6.981	0.773	1611.269	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1427.81	80.59%	88.61%
0-40	1537.33	86.77%	95.41%
0-60	1579.35	89.14%	98.02%
0-90	1610.50	90.90%	99.95%
0-120	1610.50	90.90%	99.95%
0-180	1611.27	90.95%	100.00%
60-90	31.14	1.76%	1.93%
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%
0-25.43	1289.02	72.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	337.15
10-20	682.15
20-30	408.51
30-40	109.53
40-50	26.23
50-60	15.79
60-70	12.71
70-80	10.65
80-90	7.78
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



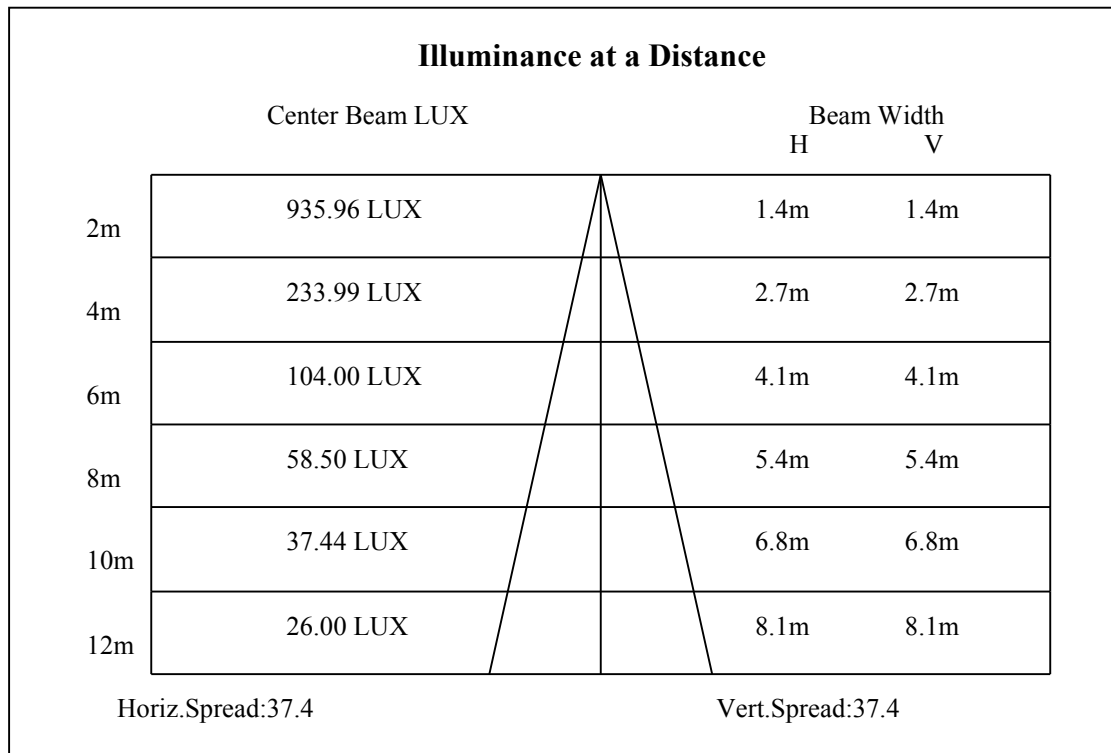
C0(Max): —————

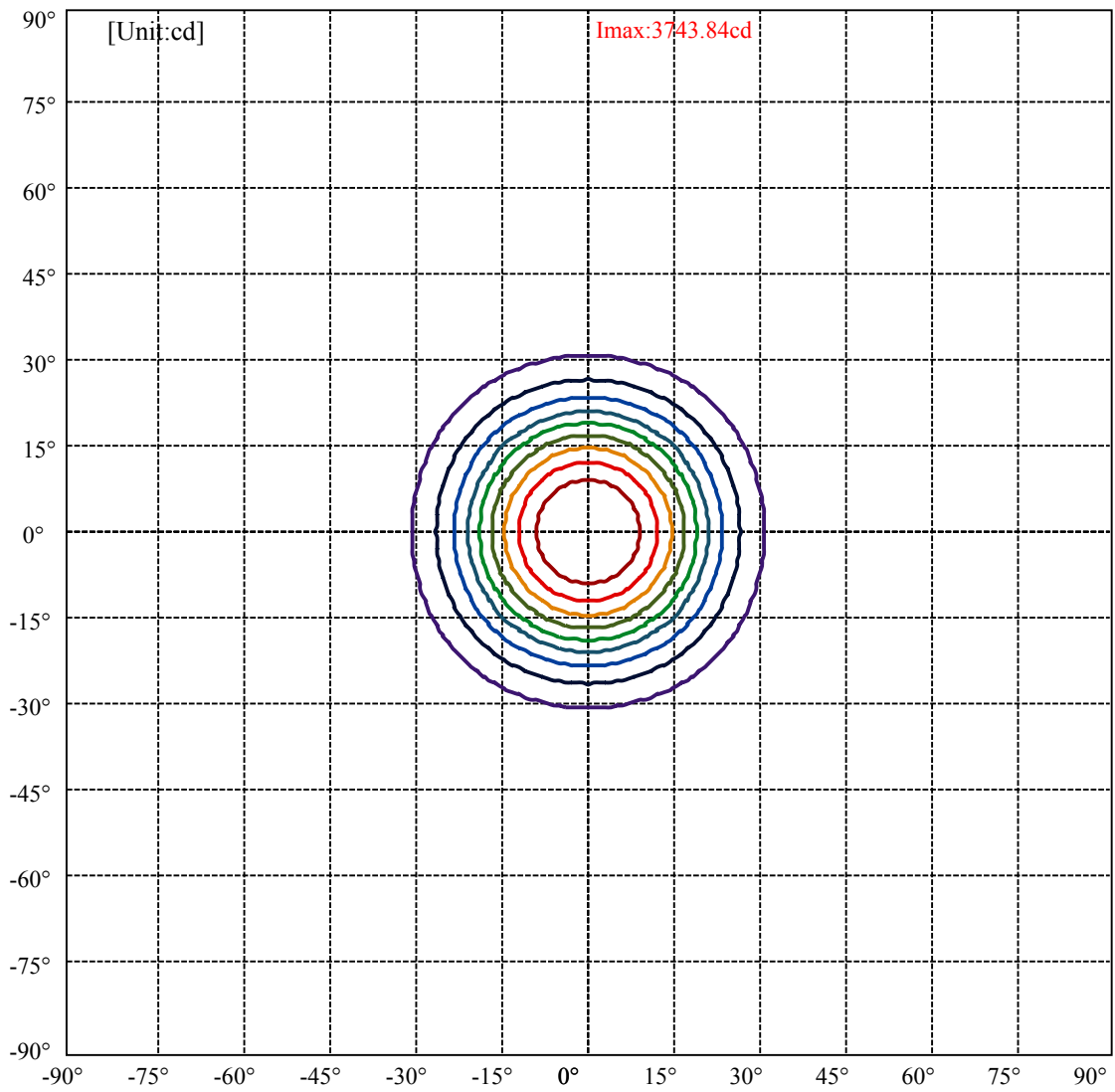
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:30.4 Right:30.4  
:C90/270Left:30.4 Right:30.4

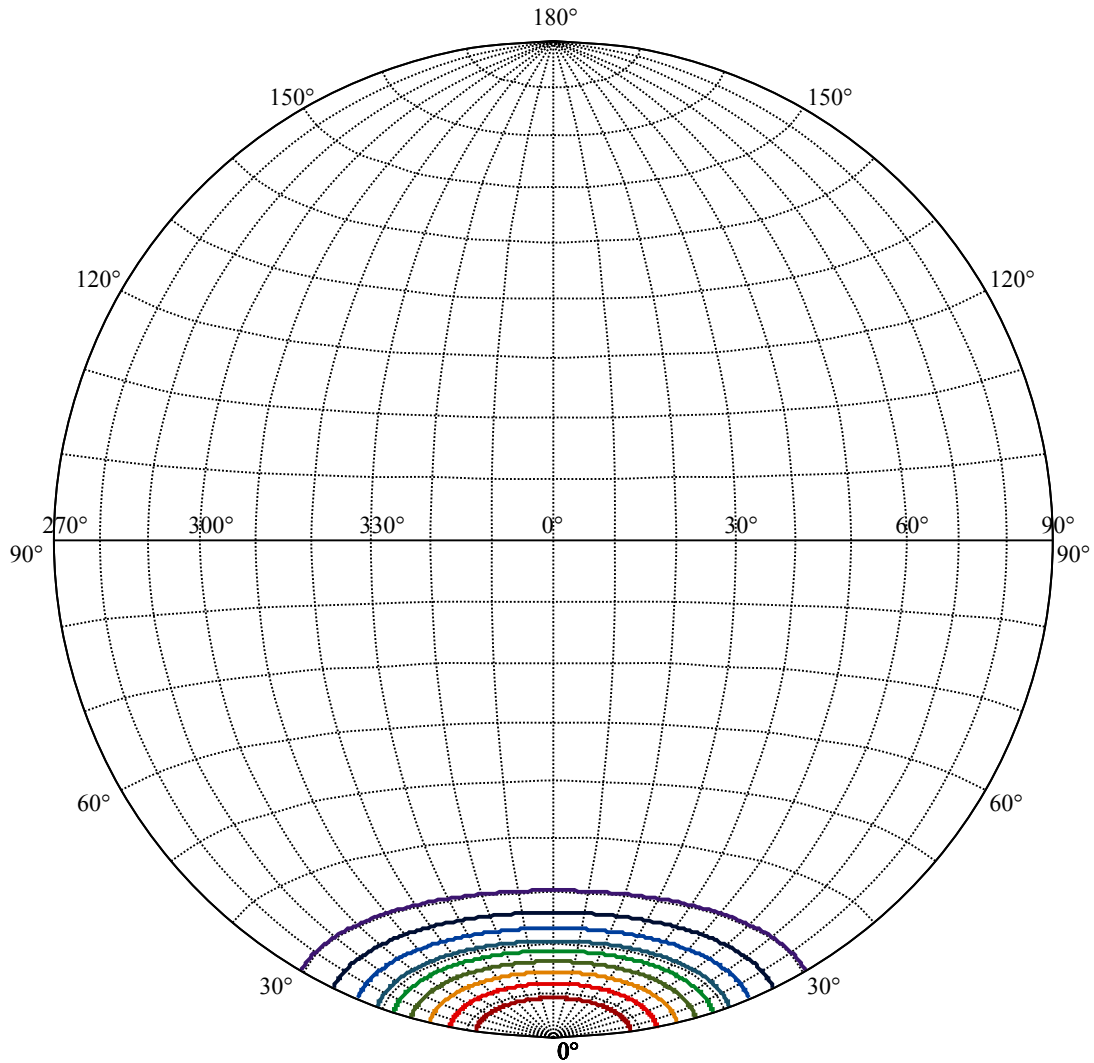
Beam Angle(50%Imax):C0/180Left:18.7 Right:18.7  
:C90/270Left:18.7 Right:18.7





(10%Imax) 374.384	—
(20%Imax) 748.768	—
(30%Imax) 1123.15	—
(40%Imax) 1497.54	—
(50%Imax) 1871.92	—
(60%Imax) 2246.3	—
(70%Imax) 2620.69	—
(80%Imax) 2995.07	—
(90%Imax) 3369.46	—





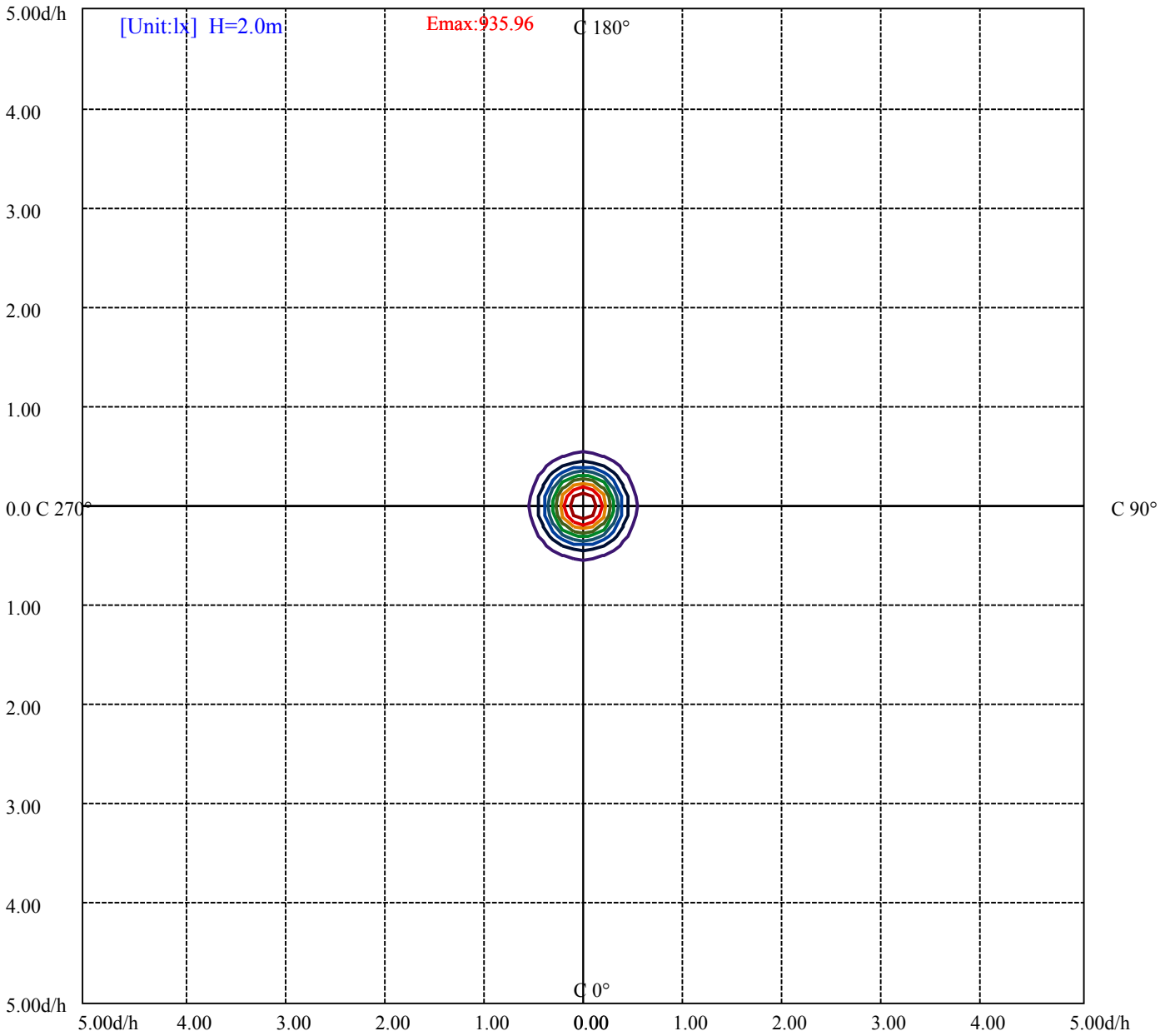
House

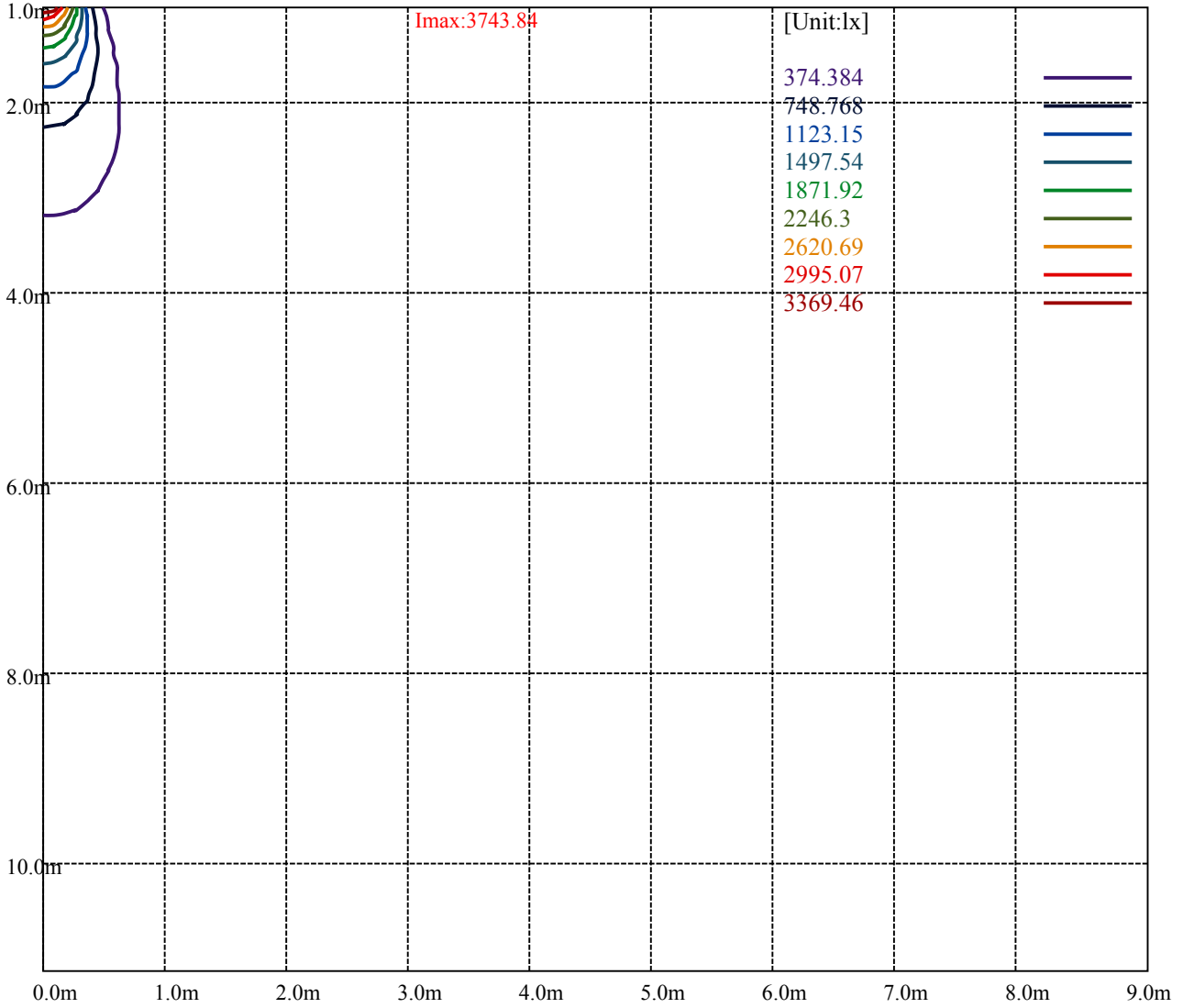
[Unit:cd]

Road

**I<sub>max</sub>:3743.84**

(10%I <sub>max</sub> )	374.384	—
(20%I <sub>max</sub> )	748.768	—
(30%I <sub>max</sub> )	1123.15	—
(40%I <sub>max</sub> )	1497.54	—
(50%I <sub>max</sub> )	1871.92	—
(60%I <sub>max</sub> )	2246.3	—
(70%I <sub>max</sub> )	2620.69	—
(80%I <sub>max</sub> )	2995.07	—
(90%I <sub>max</sub> )	3369.46	—





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

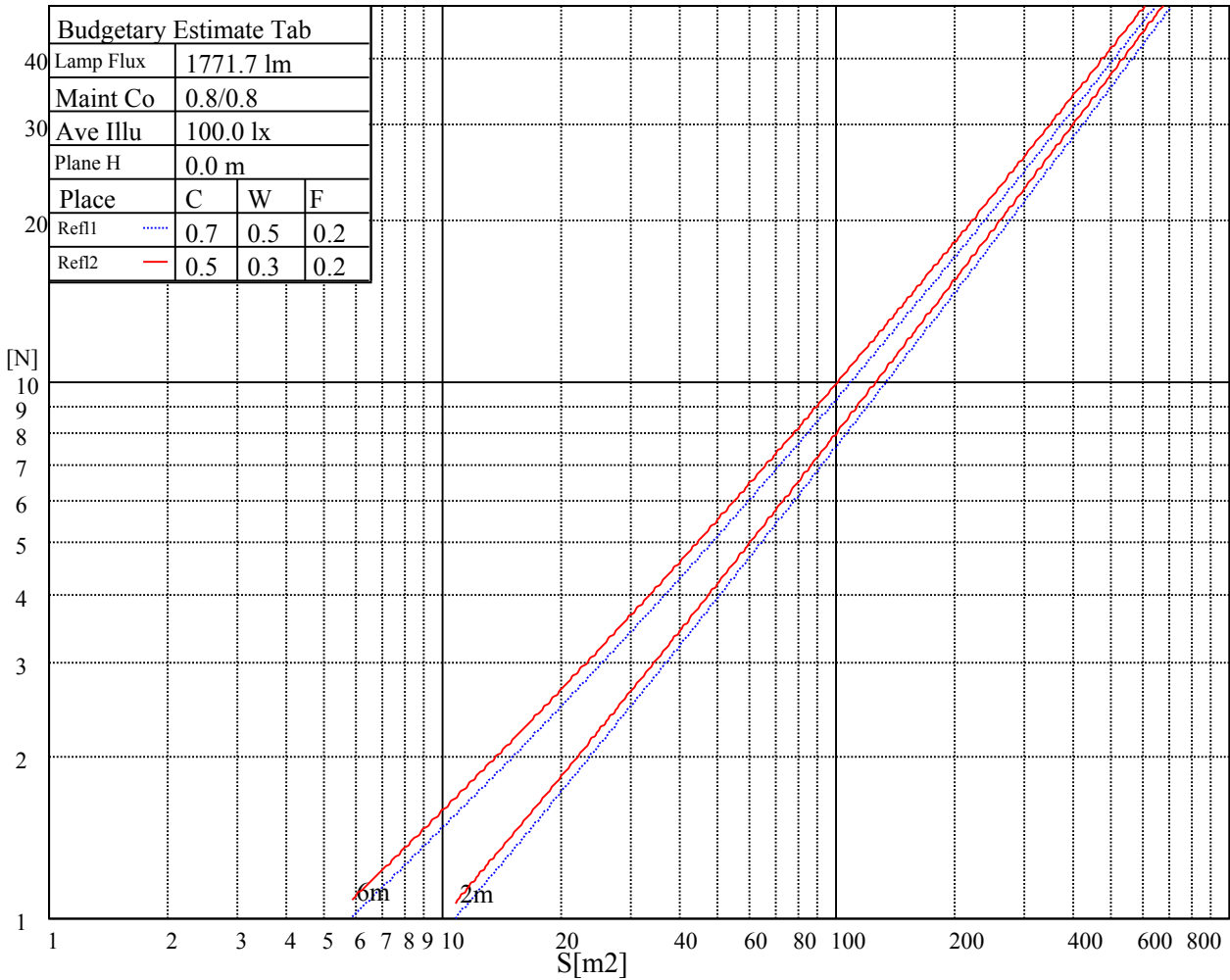
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

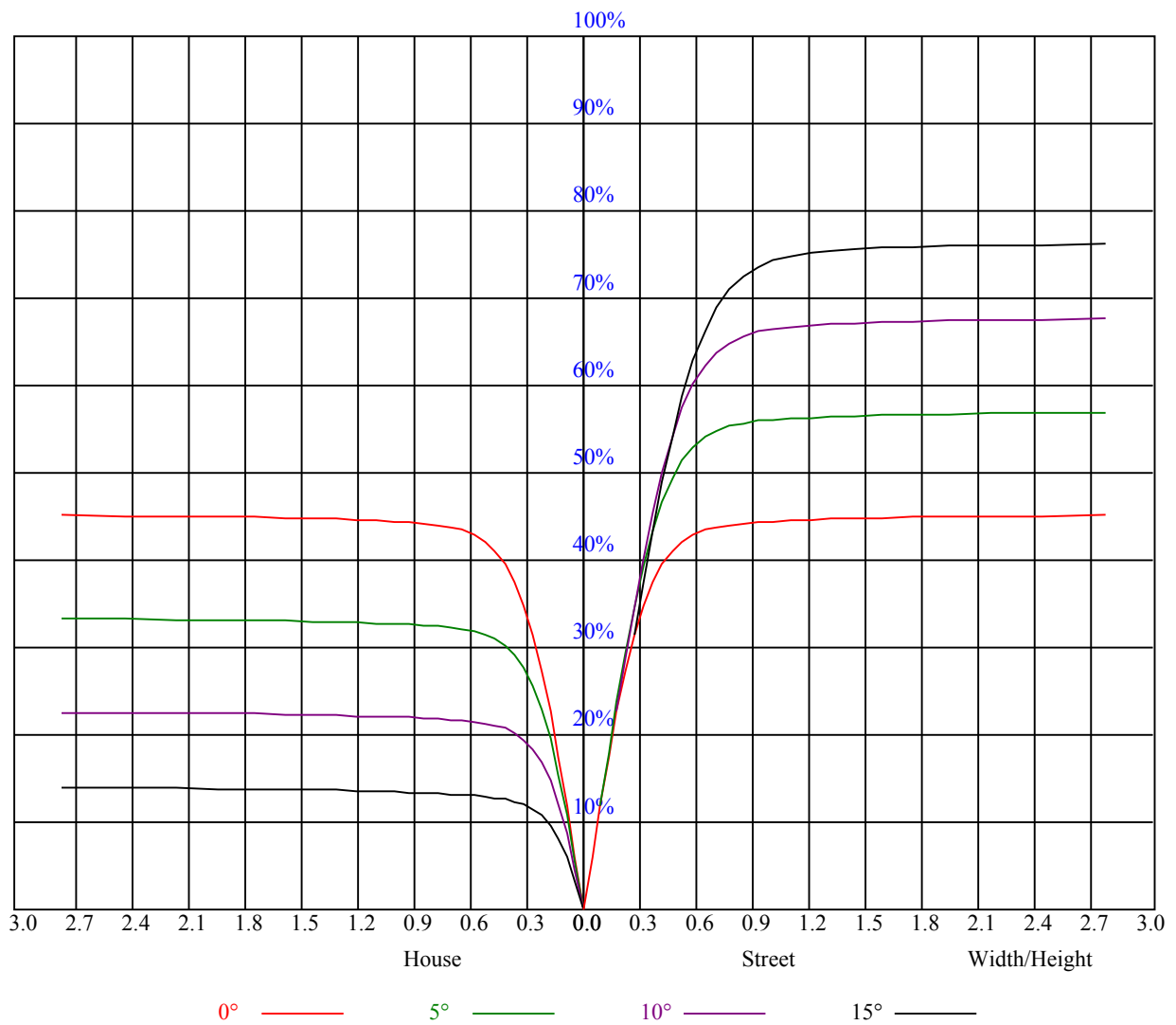


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOFc=20 CU															
0	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.90	0.86	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57





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	3731.39	3702.60	3709.24	3679.91	3609.61	3543.74	3473.99	3397.05	3306.82
45.0	3756.85	3730.83	3709.24	3698.17	3658.32	3614.04	3562.00	3498.35	3391.52
90.0	3739.69	3731.39	3731.94	3711.46	3672.16	3606.29	3538.20	3435.80	3344.46
135.0	3747.44	3746.33	3755.19	3783.42	3769.58	3726.40	3666.07	3603.52	3513.85
180.0	3731.39	3756.85	3759.62	3768.47	3804.45	3800.58	3764.04	3707.03	3643.93
225.0	3756.85	3761.83	3763.49	3775.12	3754.63	3728.06	3662.75	3585.25	3497.79
270.0	3739.69	3755.19	3751.31	3749.65	3750.21	3739.14	3707.03	3655.55	3566.99
315.0	3747.44	3736.92	3717.55	3720.32	3700.39	3650.02	3578.61	3507.20	3426.39
360.0	3731.39	3702.60	3709.24	3679.91	3609.61	3543.74	3473.99	3397.05	3306.82
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3181.72	3076.00	2925.44	2792.04	2645.35	2456.04	2298.84	2142.18	1949.55
45.0	3299.07	3202.76	3096.48	2934.29	2804.21	2659.74	2463.79	2309.91	2144.95
90.0	3242.61	3099.80	2969.17	2829.68	2678.01	2480.95	2318.21	2146.61	1982.21
135.0	3420.30	3315.68	3205.53	3032.27	2900.53	2743.88	2577.26	2366.92	2185.91
180.0	3552.59	3456.83	3346.68	3239.29	3061.05	2920.46	2773.22	2616.56	2400.13
225.0	3404.80	3265.86	3146.30	3020.65	2887.80	2701.81	2547.37	2338.69	2168.75
270.0	3488.38	3366.61	3258.67	3137.44	2973.60	2841.85	2691.85	2502.54	2334.26
315.0	3347.23	3221.03	3111.43	2957.54	2825.80	2649.78	2498.11	2342.01	2188.13
360.0	3181.72	3076.00	2925.44	2792.04	2645.35	2456.04	2298.84	2142.18	1949.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1798.99	1645.11	1493.44	1079.06	1079.06	1011.48	885.05	746.17	642.71
45.0	1949.55	1798.44	1642.34	1449.71	1303.02	1162.43	1030.13	872.37	758.34
90.0	1786.26	1623.52	1468.53	1099.93	1099.93	999.24	847.13	737.75	638.95
135.0	2022.62	1859.33	1653.97	1492.33	1300.26	1155.23	1019.06	862.41	749.49
180.0	2220.23	2044.21	1833.86	1668.36	1500.64	1320.74	1181.25	1044.52	901.71
225.0	1989.96	1771.87	1609.68	1454.14	1103.81	1103.81	1011.03	895.73	764.54
270.0	2159.34	1983.87	1782.39	1617.99	1455.80	1312.99	1148.59	1015.74	903.37
315.0	1993.28	1834.97	1675.55	1511.71	1072.75	1072.75	1039.65	916.82	773.29
360.0	1798.99	1645.11	1493.44	1079.06	1079.06	1011.48	885.05	746.17	642.71
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	548.83	447.48	378.12	304.28	254.46	213.61	177.69	139.93	116.35
45.0	655.39	561.84	464.97	396.89	337.66	283.96	283.96	185.88	145.58
90.0	529.13	454.34	387.20	328.08	263.82	220.42	183.72	152.33	121.22
135.0	648.19	559.07	461.65	394.12	334.34	280.64	280.64	183.83	152.50
180.0	784.91	689.15	595.05	489.33	413.49	343.75	289.50	289.50	187.65
225.0	667.51	578.00	493.31	402.59	338.04	283.24	226.78	190.03	151.12
270.0	764.43	662.58	549.11	469.95	398.55	320.50	281.20	281.20	185.10
315.0	670.89	553.26	468.96	396.17	317.34	265.31	221.91	184.77	145.97
360.0	548.83	447.48	378.12	304.28	254.46	213.61	177.69	139.93	116.35
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	97.26	81.81	65.93	56.35	49.10	43.51	38.08	34.71	31.11
45.0	120.45	96.26	80.32	67.59	57.24	48.10	42.57	38.30	34.65
90.0	101.19	81.54	68.47	58.23	48.77	43.07	38.58	33.99	31.05
135.0	120.56	100.25	83.64	67.03	57.07	49.82	43.01	38.64	35.20
180.0	155.38	122.39	101.57	84.14	66.92	56.18	48.32	40.96	36.59
225.0	125.54	105.12	88.29	74.84	61.44	53.42	47.05	40.57	36.09
270.0	154.82	122.94	103.12	86.41	72.90	59.73	51.92	45.94	39.97
315.0	121.11	100.69	84.14	67.25	56.74	48.82	41.57	37.25	33.71
360.0	97.26	81.81	65.93	56.35	49.10	43.51	38.08	34.71	31.11

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	28.89	26.96	24.85	23.47	22.20	20.87	19.87	19.04	18.21
45.0	31.00	28.62	26.68	24.58	23.14	21.86	20.54	19.60	18.71
90.0	28.73	26.68	24.96	23.14	21.92	20.81	19.65	18.76	18.05
135.0	31.61	29.34	27.40	25.52	23.69	22.36	21.26	20.20	19.10
180.0	33.05	29.67	27.57	25.74	24.24	22.58	21.48	20.43	19.32
225.0	32.49	29.61	26.79	25.08	23.30	22.09	21.03	19.76	18.88
270.0	35.98	31.99	29.50	27.46	25.30	23.86	22.58	21.48	20.20
315.0	30.33	28.12	26.35	24.30	22.92	21.70	20.65	19.48	18.60
360.0	28.89	26.96	24.85	23.47	22.20	20.87	19.87	19.04	18.21
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.38	16.72	16.22	15.67	15.11	14.67	14.28	13.84	13.45
45.0	17.82	17.16	16.55	16.00	15.44	14.95	14.56	14.17	13.67
90.0	17.21	16.66	16.11	15.50	15.06	14.61	14.28	13.84	13.45
135.0	18.32	17.49	16.88	16.27	15.67	15.11	14.72	14.28	13.78
180.0	18.49	17.82	16.99	16.44	15.94	15.28	14.83	14.45	14.06
225.0	18.10	17.49	16.72	16.11	15.61	15.06	14.61	14.17	13.84
270.0	19.21	18.38	17.66	16.88	16.27	15.72	15.17	14.78	14.39
315.0	17.82	17.16	16.38	15.89	15.39	14.83	14.45	14.00	13.62
360.0	17.38	16.72	16.22	15.67	15.11	14.67	14.28	13.84	13.45
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.06	12.73	12.45	12.18	11.90	11.57	11.40	11.18	10.90
45.0	13.34	13.06	12.68	12.40	12.07	11.85	11.57	11.35	11.07
90.0	13.17	12.84	12.51	12.23	11.96	11.62	11.46	11.18	10.90
135.0	13.45	13.12	12.79	12.51	12.18	11.96	11.68	11.40	11.18
180.0	13.62	13.28	13.01	12.68	12.34	12.07	11.73	11.51	11.29
225.0	13.40	13.06	12.68	12.34	12.12	11.79	11.57	11.35	11.07
270.0	13.89	13.56	13.23	12.84	12.51	12.23	12.01	11.68	11.46
315.0	13.34	12.84	12.57	12.34	12.07	11.73	11.46	11.29	11.07
360.0	13.06	12.73	12.45	12.18	11.90	11.57	11.40	11.18	10.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.57	10.35	10.07	9.85	9.63	9.35	9.08	8.91	8.69
45.0	10.79	10.52	10.24	10.02	9.80	9.58	9.35	9.08	8.91
90.0	10.63	10.30	10.13	9.85	9.63	9.30	9.08	8.91	8.69
135.0	10.90	10.63	10.41	10.13	9.91	9.63	9.35	9.08	8.91
180.0	11.02	10.74	10.52	10.24	9.96	9.74	9.52	9.24	8.97
225.0	10.85	10.52	10.24	10.07	9.74	9.47	9.24	8.97	8.80
270.0	11.24	10.96	10.63	10.35	10.07	9.85	9.58	9.30	9.08
315.0	10.74	10.57	10.30	10.02	9.80	9.52	9.24	9.02	8.86
360.0	10.57	10.35	10.07	9.85	9.63	9.35	9.08	8.91	8.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.47	8.30	8.14	7.86	7.64	7.47	7.36	7.20	7.03
45.0	8.64	8.41	8.14	7.92	7.75	7.58	7.42	7.31	7.09
90.0	8.47	8.25	8.03	7.80	7.64	7.47	7.31	7.14	6.97
135.0	8.80	8.58	8.30	8.03	7.75	7.58	7.42	7.31	6.97
180.0	8.80	8.58	8.36	8.08	7.86	7.69	7.58	7.36	7.31
225.0	8.58	8.36	8.14	7.97	7.75	7.58	7.42	7.31	6.97
270.0	8.80	8.64	8.36	8.19	7.97	7.80	7.58	7.47	7.36
315.0	8.58	8.47	8.25	8.03	7.86	7.69	7.47	7.31	7.20
360.0	8.47	8.30	8.14	7.86	7.64	7.47	7.36	7.20	7.03

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>7.03</b>
<b>45.0</b>	<b>6.97</b>
<b>90.0</b>	<b>6.97</b>
<b>135.0</b>	<b>7.03</b>
<b>180.0</b>	<b>6.92</b>
<b>225.0</b>	<b>7.03</b>
<b>270.0</b>	<b>6.97</b>
<b>315.0</b>	<b>6.92</b>
<b>360.0</b>	<b>7.03</b>