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NATA

Client:

LumCAT: 1-1373-L

Luminaire: 92.70.410.00

Report No: 2023629-B009

Ballast type: AC

Test No: 2023629-C009

Voltage(V): 34.780

LampCAT: FORTIMO SLM C 1204

Current(A): 0.301

Lamp flux(lm): 1660.3

Power (W): 10.468

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1503.25, Efficiency(%): 90.54% , Luminous Efficacy(lm/W): 143.60

Central intensity(cd): 4068.019, Maximum intensity(cd): 4068.019

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=29.6

[C90/270]Total=29.6

Field angle(10%Imax): [C0/180]Total=60.6

[C90/270]Total=60.6

Maximum s/h(1/2): C0_180=0.49 C90_270=0.49

Maximum s/h(1/4): C0_180=0.54 C90_270=0.54

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.844%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4068.019	0.000	0	0.00%	0.00%
1.0	4063.591	3.891	3.891	0.23%	0.26%
2.0	4041.519	11.633	15.524	0.70%	1.03%
3.0	4008.168	19.252	34.776	1.16%	2.31%
4.0	3947.833	26.631	61.408	1.60%	4.08%
5.0	3869.507	33.630	95.037	2.03%	6.32%
6.0	3754.994	40.069	135.106	2.41%	8.99%
7.0	3616.541	45.755	180.861	2.76%	12.03%
8.0	3438.026	50.488	231.349	3.04%	15.39%
9.0	3234.947	54.081	285.43	3.26%	18.99%
10.0	3021.559	56.619	342.049	3.41%	22.75%
11.0	2801.252	58.182	400.231	3.50%	26.62%
12.0	2575.063	58.771	459.002	3.54%	30.53%
13.0	2374.337	58.737	517.739	3.54%	34.44%
14.0	2173.957	58.218	575.957	3.51%	38.31%
15.0	2002.915	57.342	633.299	3.45%	42.13%
16.0	1846.333	56.402	689.701	3.40%	45.88%
17.0	1714.315	55.449	745.15	3.34%	49.57%
18.0	1585.064	54.400	799.549	3.28%	53.19%
19.0	1458.097	52.945	852.494	3.19%	56.71%
20.0	1328.106	50.995	903.489	3.07%	60.10%
21.0	1211.912	48.773	952.263	2.94%	63.35%
22.0	1137.032	47.203	999.466	2.84%	66.49%
23.0	1044.446	45.773	1045.239	2.76%	69.53%
24.0	946.637	43.532	1088.771	2.62%	72.43%
25.0	850.799	40.870	1129.641	2.46%	75.15%
26.0	755.238	37.911	1167.552	2.28%	77.67%
27.0	666.153	34.775	1202.326	2.09%	79.98%
28.0	580.050	31.551	1233.877	1.90%	82.08%
29.0	503.614	28.352	1262.229	1.71%	83.97%
30.0	430.008	25.208	1287.437	1.52%	85.64%
31.0	363.666	22.087	1309.524	1.33%	87.11%
32.0	304.168	19.133	1328.656	1.15%	88.39%
33.0	258.259	16.569	1345.226	1.00%	89.49%
34.0	222.743	14.557	1359.782	0.88%	90.46%
35.0	186.576	12.712	1372.494	0.77%	91.30%
36.0	142.390	10.474	1382.968	0.63%	92.00%
37.0	122.138	8.627	1391.596	0.52%	92.57%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	108.320	7.692	1399.288	0.46%	93.08%
39.0	96.128	6.978	1406.267	0.42%	93.55%
40.0	86.013	6.352	1412.619	0.38%	93.97%
41.0	76.762	5.796	1418.415	0.35%	94.36%
42.0	67.573	5.244	1423.659	0.32%	94.71%
43.0	60.162	4.732	1428.391	0.28%	95.02%
44.0	53.499	4.290	1432.681	0.26%	95.31%
45.0	47.839	3.895	1436.575	0.23%	95.56%
46.0	42.892	3.548	1440.124	0.21%	95.80%
47.0	38.249	3.227	1443.351	0.19%	96.02%
48.0	34.658	2.947	1446.298	0.18%	96.21%
49.0	31.538	2.718	1449.017	0.16%	96.39%
50.0	29.074	2.527	1451.544	0.15%	96.56%
51.0	26.874	2.367	1453.911	0.14%	96.72%
52.0	24.999	2.226	1456.137	0.13%	96.87%
53.0	23.421	2.106	1458.243	0.13%	97.01%
54.0	22.086	2.006	1460.249	0.12%	97.14%
55.0	20.944	1.921	1462.17	0.12%	97.27%
56.0	19.900	1.846	1464.015	0.11%	97.39%
57.0	19.069	1.782	1465.797	0.11%	97.51%
58.0	18.246	1.726	1467.523	0.10%	97.62%
59.0	17.644	1.678	1469.2	0.10%	97.73%
60.0	16.994	1.636	1470.837	0.10%	97.84%
61.0	16.426	1.595	1472.432	0.10%	97.95%
62.0	15.900	1.558	1473.989	0.09%	98.05%
63.0	15.395	1.522	1475.511	0.09%	98.15%
64.0	14.890	1.486	1476.998	0.09%	98.25%
65.0	14.406	1.450	1478.447	0.09%	98.35%
66.0	13.894	1.412	1479.859	0.09%	98.44%
67.0	13.396	1.372	1481.232	0.08%	98.54%
68.0	12.863	1.330	1482.562	0.08%	98.62%
69.0	12.330	1.285	1483.847	0.08%	98.71%
70.0	11.804	1.239	1485.086	0.07%	98.79%
71.0	11.354	1.197	1486.283	0.07%	98.87%
72.0	10.877	1.156	1487.439	0.07%	98.95%
73.0	10.476	1.117	1488.556	0.07%	99.02%
74.0	10.095	1.081	1489.637	0.07%	99.09%
75.0	9.756	1.049	1490.686	0.06%	99.16%

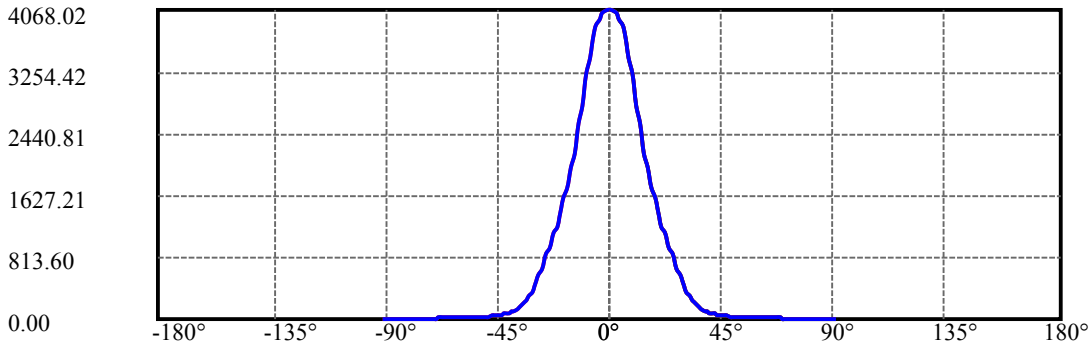
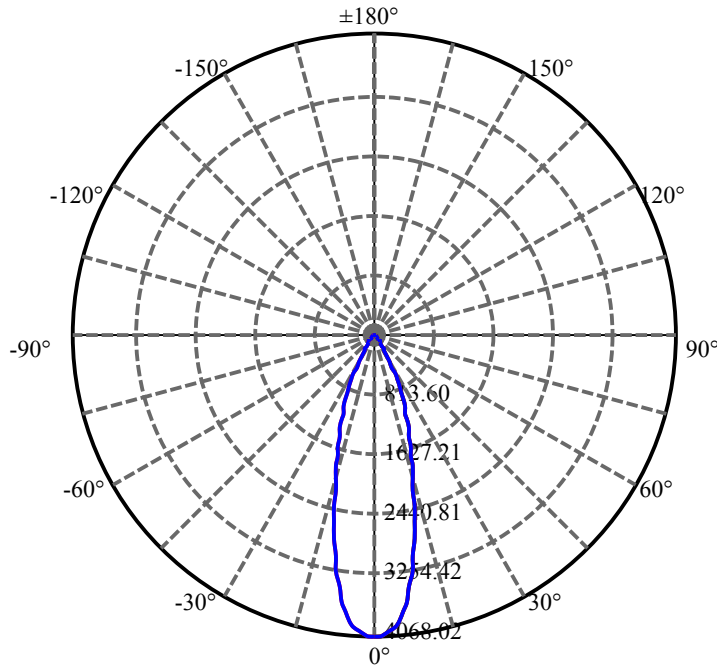
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.438	1.019	1491.705	0.06%	99.23%
77.0	9.099	0.988	1492.693	0.06%	99.30%
78.0	8.794	0.958	1493.651	0.06%	99.36%
79.0	8.490	0.929	1494.58	0.06%	99.42%
80.0	8.206	0.900	1495.48	0.05%	99.48%
81.0	7.950	0.874	1496.354	0.05%	99.54%
82.0	7.694	0.848	1497.202	0.05%	99.60%
83.0	7.473	0.824	1498.027	0.05%	99.65%
84.0	7.279	0.804	1498.83	0.05%	99.71%
85.0	7.071	0.783	1499.613	0.05%	99.76%
86.0	6.878	0.762	1500.376	0.05%	99.81%
87.0	6.705	0.743	1501.119	0.04%	99.86%
88.0	6.525	0.725	1501.844	0.04%	99.91%
89.0	6.407	0.709	1502.553	0.04%	99.95%
90.0	6.324	0.698	1503.251	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1287.44	77.54%	85.64%
0-40	1412.62	85.08%	93.97%
0-60	1470.84	88.59%	97.84%
0-90	1502.55	90.50%	99.95%
0-120	1502.55	90.50%	99.95%
0-180	1503.25	90.54%	100.00%
60-90	31.72	1.91%	2.11%
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%
0-27.01	1202.60	72.43%	80.00%

ZONAL LUMEN SUMMARY

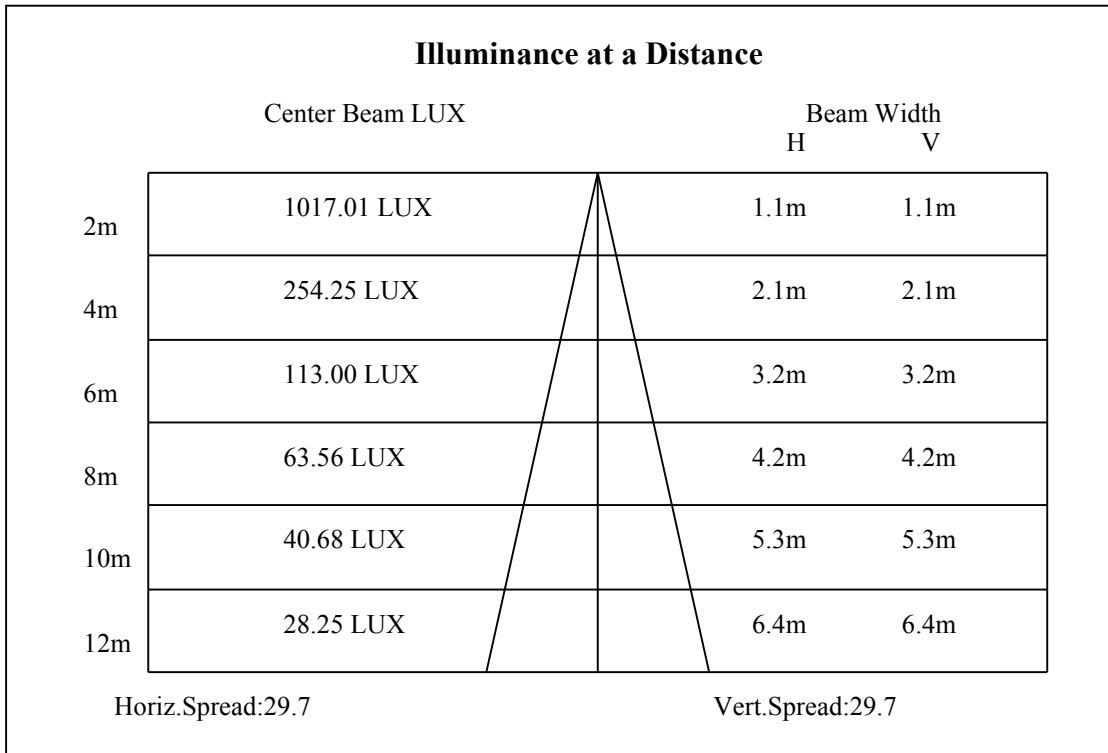
0-10	342.05
10-20	561.44
20-30	383.95
30-40	125.18
40-50	38.92
50-60	19.29
60-70	14.25
70-80	10.39
80-90	7.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

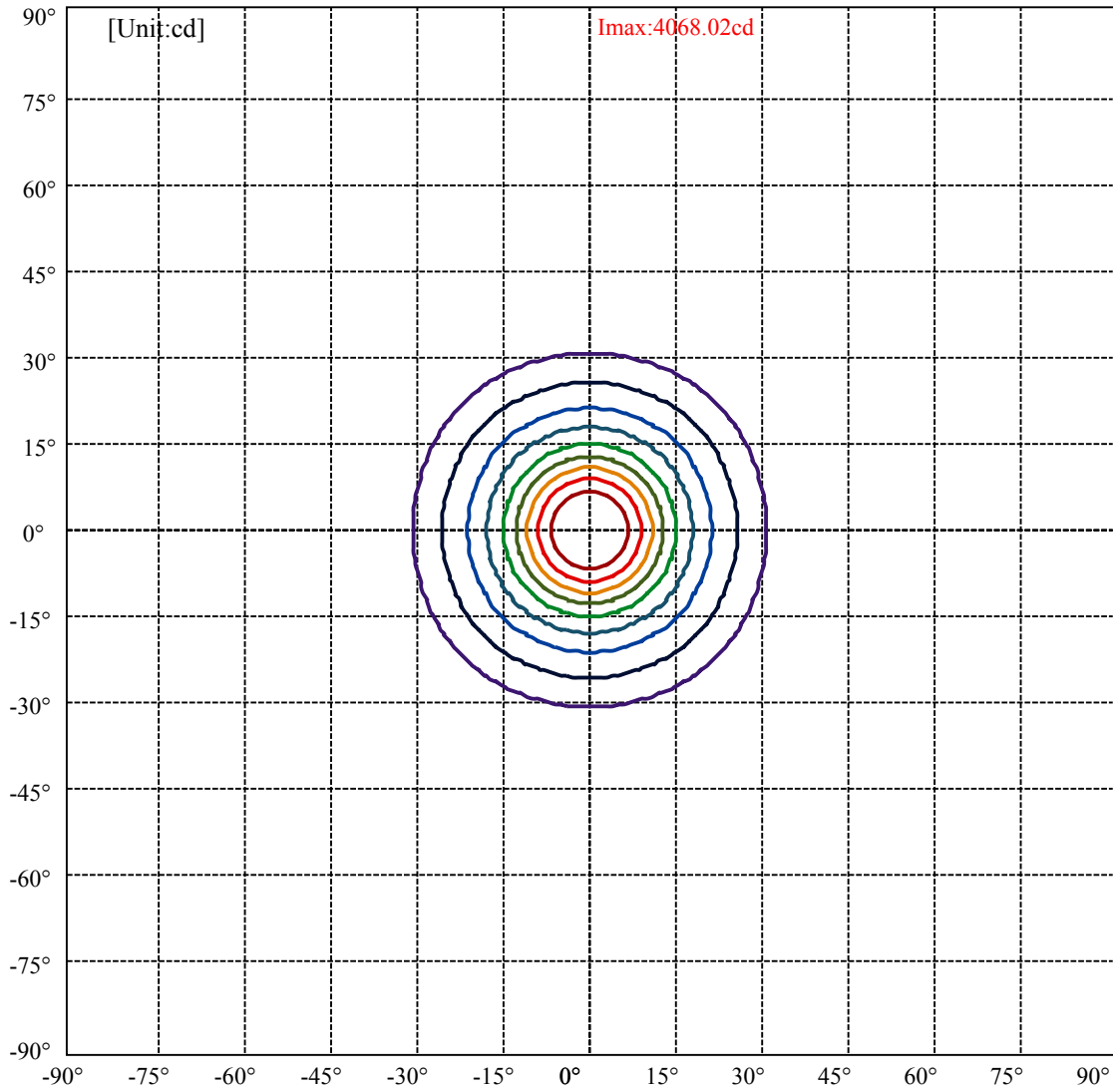


C0(Max): —————
C0/C180: —————
C90/C270: —————

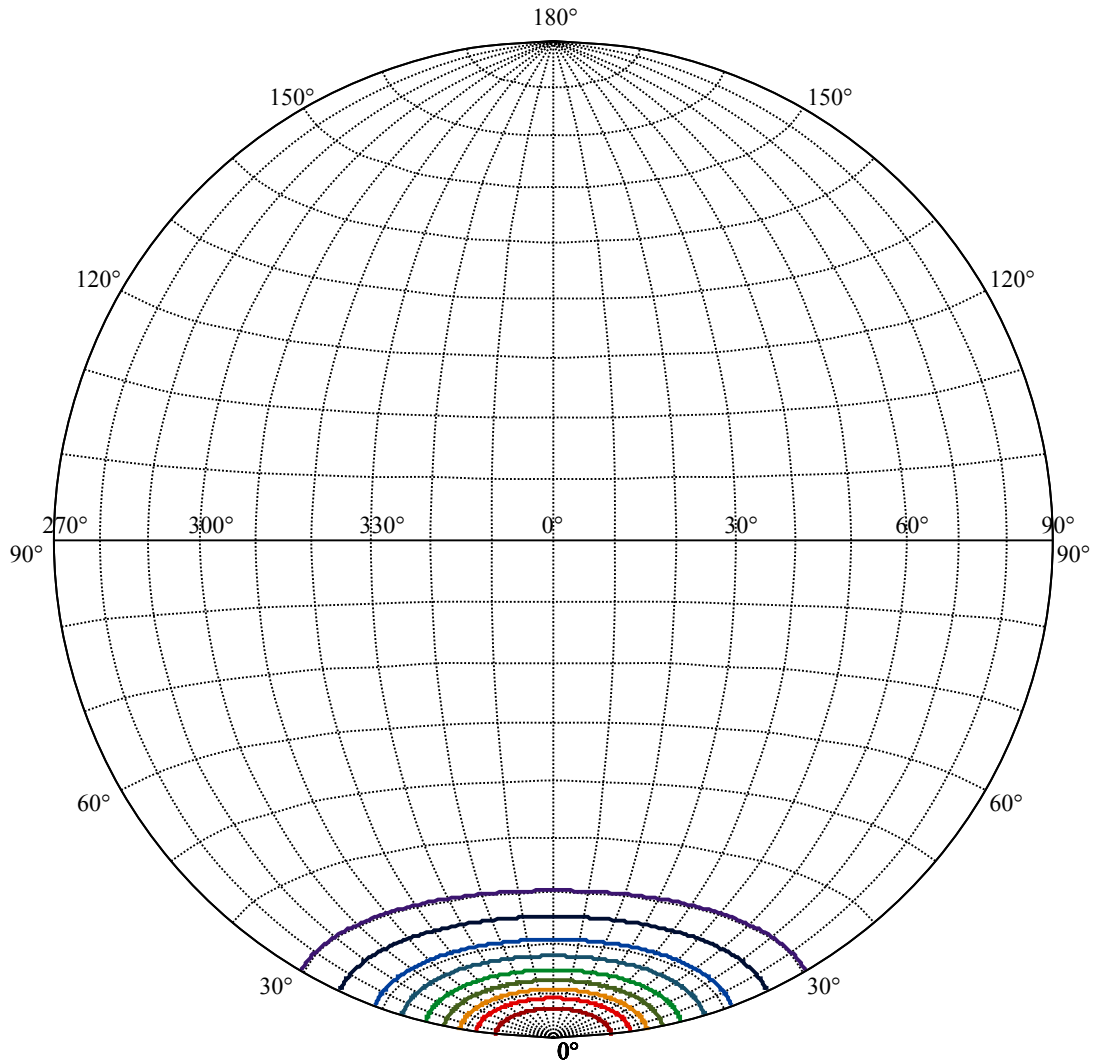
Field angle(10%Imax):C0/180Left:30.3 Right:30.3
:C90/270Left:30.3 Right:30.3

Beam Angle(50%Imax):C0/180Left:14.8 Right:14.8
:C90/270Left:14.8 Right:14.8





(10%Imax) 406.802	—
(20%Imax) 813.604	—
(30%Imax) 1220.41	—
(40%Imax) 1627.21	—
(50%Imax) 2034.01	—
(60%Imax) 2440.81	—
(70%Imax) 2847.61	—
(80%Imax) 3254.42	—
(90%Imax) 3661.22	—



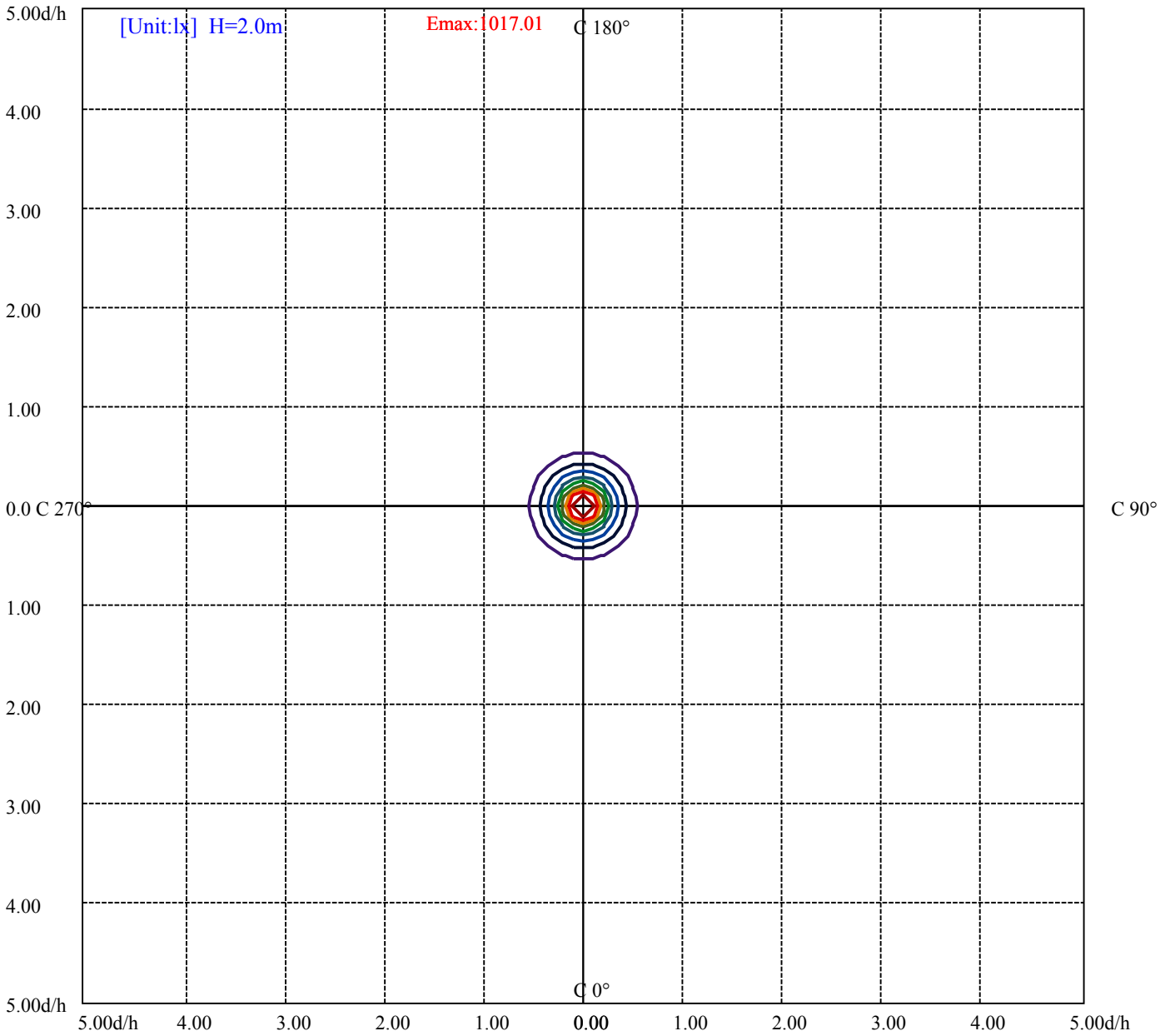
House

[Unit:cd]

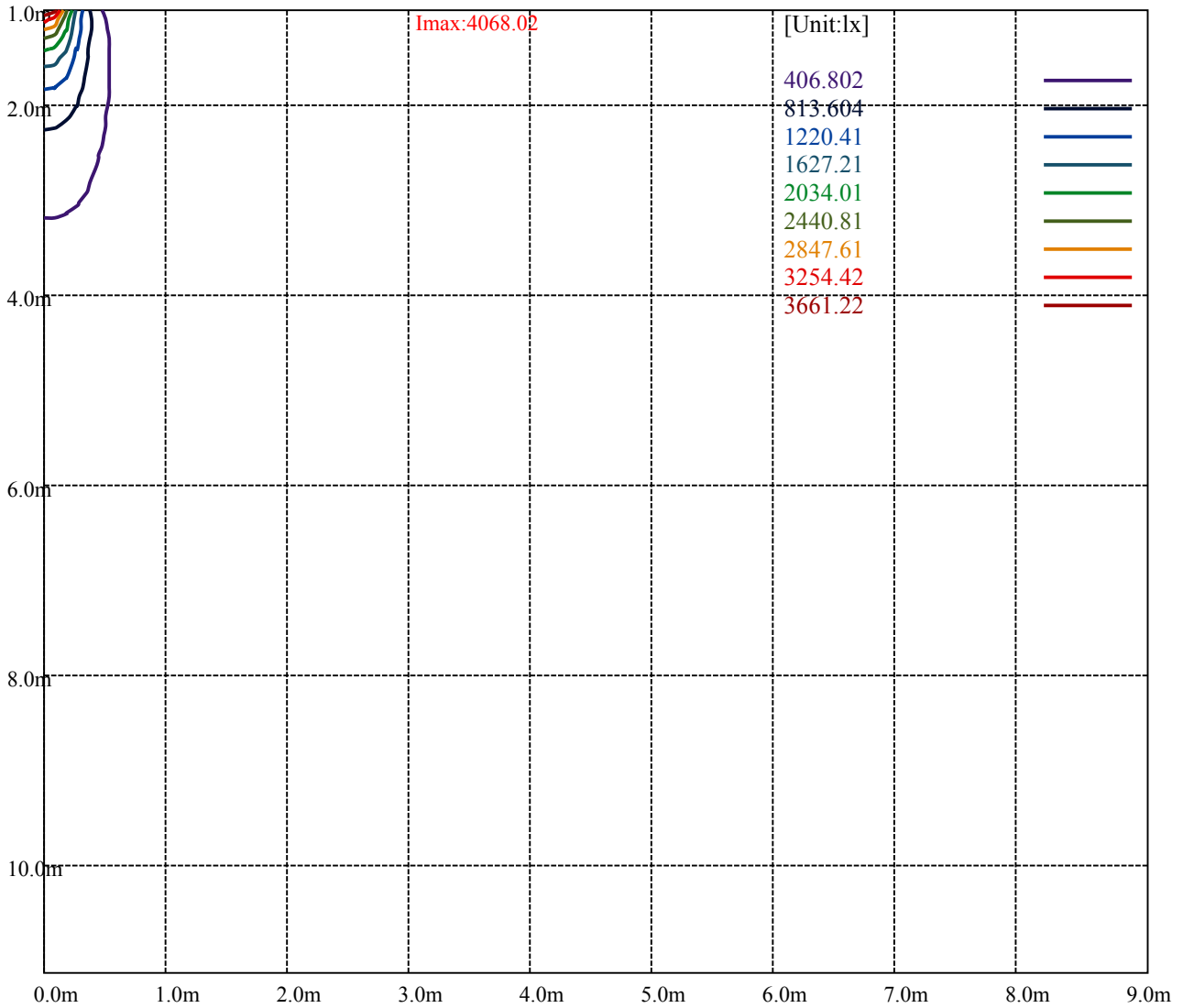
Road

Imax:4068.02

(10%Imax)	406.802	—
(20%Imax)	813.604	—
(30%Imax)	1220.41	—
(40%Imax)	1627.21	—
(50%Imax)	2034.01	—
(60%Imax)	2440.81	—
(70%Imax)	2847.61	—
(80%Imax)	3254.42	—
(90%Imax)	3661.22	—



- (10%Emax) 101.7005
- (20%Emax) 203.401
- (30%Emax) 305.1025
- (40%Emax) 406.8025
- (50%Emax) 508.5025
- (60%Emax) 610.2025
- (70%Emax) 711.9025
- (80%Emax) 813.6025
- (90%Emax) 915.305



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

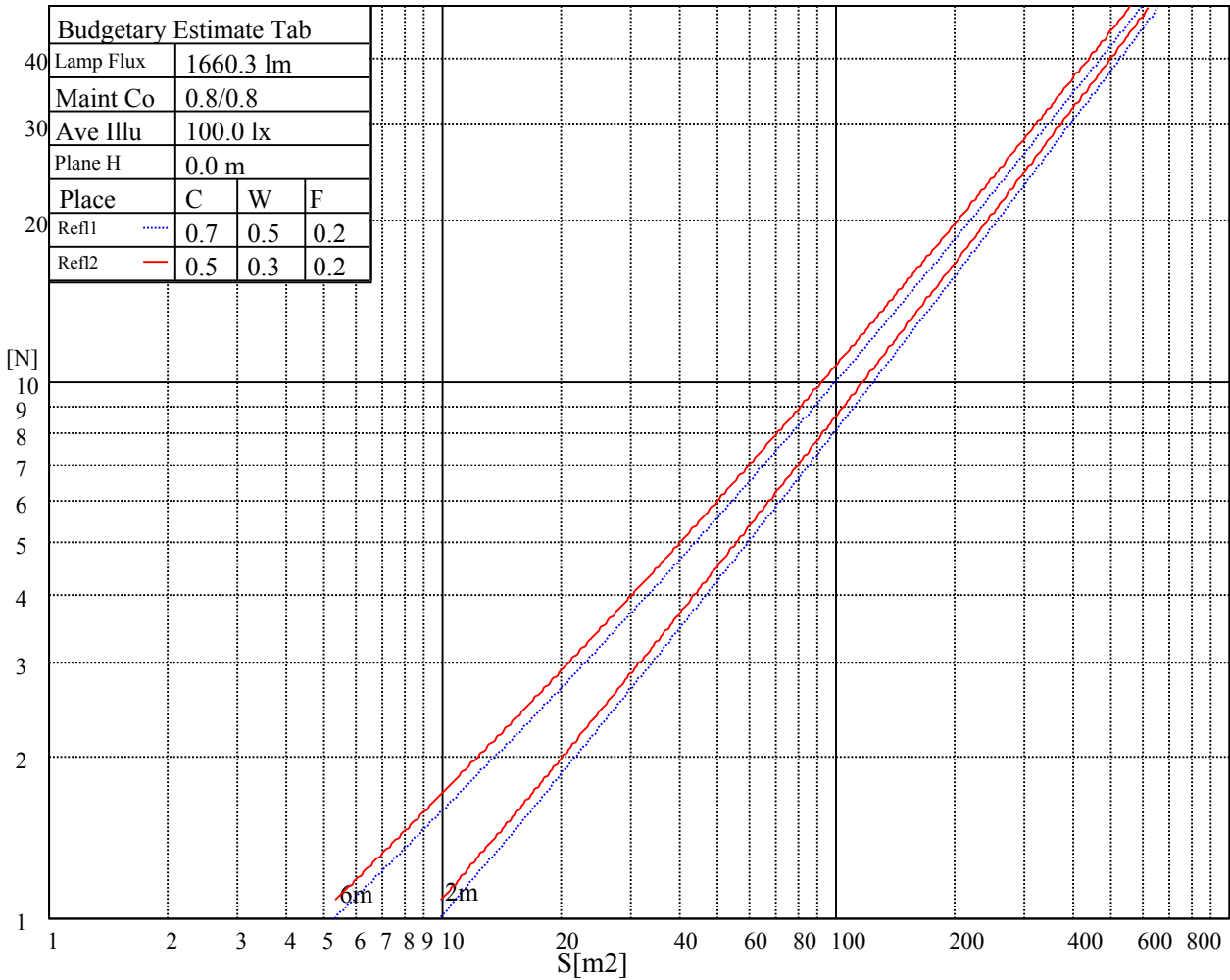
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

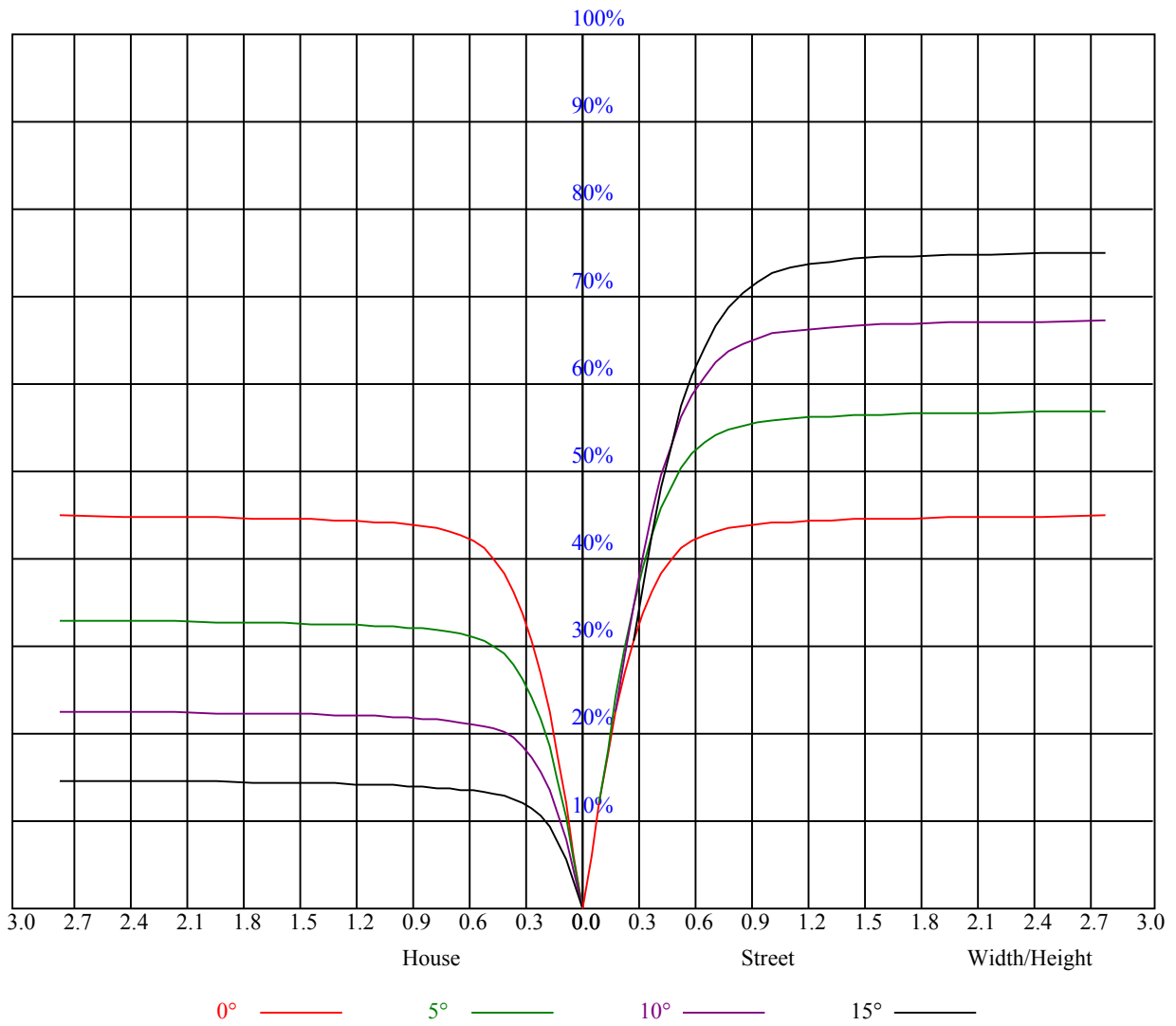


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOFC=20 CU															
0	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.85
2	0.95	0.92	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.90	0.86	0.82	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
6	0.77	0.73	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	0.66
7	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56



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	4050.17	4010.87	3951.64	3876.91	3744.06	3601.25	3432.42	3251.97	2995.13
45.0	4077.29	4060.68	4034.12	3989.83	3918.98	3816.02	3699.23	3551.99	3335.55
90.0	4071.20	4052.94	4011.97	3966.03	3896.28	3806.06	3661.59	3504.38	3321.16
135.0	4073.42	4087.25	4085.04	4066.22	4023.04	3969.90	3896.84	3797.20	3628.37
180.0	4050.17	4077.84	4092.79	4091.68	4082.83	4056.81	3998.69	3926.18	3827.09
225.0	4077.29	4078.40	4073.42	4060.68	4010.87	3951.08	3863.63	3706.98	3547.56
270.0	4071.20	4078.40	4068.99	4049.61	4015.29	3964.92	3864.73	3748.49	3599.59
315.0	4073.42	4062.35	4014.19	3964.37	3891.30	3790.01	3622.84	3445.15	3249.75
360.0	4050.17	4010.87	3951.64	3876.91	3744.06	3601.25	3432.42	3251.97	2995.13
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2784.78	2578.32	2340.29	2163.16	2009.83	1839.34	1721.44	1582.50	1480.65
45.0	3141.81	2937.56	2682.93	2491.41	2308.74	2105.04	1962.78	1833.81	1715.91
90.0	3070.41	2863.39	2654.70	2410.04	2235.68	2077.92	1898.02	1772.37	1663.32
135.0	3465.63	3277.43	3067.64	2790.32	2577.76	2376.83	2147.11	1983.26	1841.56
180.0	3694.80	3488.88	3292.93	3069.30	2838.48	2556.17	2346.38	2157.63	1986.03
225.0	3307.88	3085.35	2861.73	2639.76	2381.26	2190.29	2019.80	1863.70	1694.87
270.0	3378.17	3175.03	2953.06	2677.95	2463.18	2266.67	2087.33	1892.48	1756.87
315.0	3036.09	2766.52	2556.73	2358.56	2179.77	1979.39	1840.45	1684.91	1575.31
360.0	2784.78	2578.32	2340.29	2163.16	2009.83	1839.34	1721.44	1582.50	1480.65
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1385.45	1224.37	1094.12	1071.15	973.89	880.18	767.20	682.73	600.64
45.0	1579.74	1477.89	1384.89	1290.79	1173.99	1078.79	983.02	868.44	777.11
90.0	1553.72	1433.05	1342.27	1096.83	1096.83	1025.43	933.21	821.50	735.21
135.0	1684.35	1569.77	1444.12	1350.02	1258.69	1164.03	1047.79	955.35	864.57
180.0	1796.17	1629.00	1509.44	1404.82	1306.29	1190.60	1102.03	1012.36	916.05
225.0	1573.65	1465.71	1366.07	1094.06	1094.06	1021.16	924.90	836.61	728.84
270.0	1638.41	1522.17	1393.75	1297.43	1173.44	1069.38	980.81	881.73	775.45
315.0	1469.03	1342.82	1090.19	1090.19	1019.06	926.01	834.12	747.66	644.04
360.0	1385.45	1224.37	1094.12	1071.15	973.89	880.18	767.20	682.73	600.64
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	525.19	437.68	375.74	305.11	253.52	209.96	166.61	142.70	126.43
45.0	666.40	586.14	513.07	424.51	359.74	302.73	289.44	227.01	162.24
90.0	652.73	555.14	484.90	419.19	344.58	290.44	240.51	196.78	156.71
135.0	774.90	688.54	590.57	519.71	452.18	372.47	314.91	286.68	286.68
180.0	809.77	718.99	637.62	559.02	471.56	404.58	343.14	289.44	289.44
225.0	647.25	568.87	479.47	412.27	351.16	294.65	230.94	190.36	160.47
270.0	684.67	586.69	515.29	445.54	378.01	311.03	286.12	286.12	175.25
315.0	568.32	498.35	432.26	354.71	298.58	247.49	194.40	162.85	135.39
360.0	525.19	437.68	375.74	305.11	253.52	209.96	166.61	142.70	126.43
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	114.47	100.74	91.00	81.98	73.73	66.42	57.90	51.87	45.22
45.0	138.38	122.05	107.50	96.70	86.68	78.16	68.42	61.11	53.03
90.0	136.00	121.78	109.99	95.71	85.30	76.78	67.53	60.94	53.58
135.0	164.01	133.01	115.63	103.68	93.16	79.16	69.41	61.94	55.58
180.0	184.88	146.52	124.82	108.11	97.26	86.63	76.83	66.42	59.39
225.0	136.56	116.57	105.45	95.60	83.31	74.23	65.04	58.67	52.86
270.0	143.92	126.21	112.53	99.58	89.89	81.76	71.57	64.49	58.12
315.0	120.89	110.21	99.64	87.68	78.77	70.96	63.88	55.85	50.21
360.0	114.47	100.74	91.00	81.98	73.73	66.42	57.90	51.87	45.22

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	40.46	36.59	32.66	30.17	27.95	25.57	24.02	22.75	21.59
45.0	47.38	42.35	37.09	33.60	30.72	28.29	25.74	24.02	22.58
90.0	48.16	43.45	39.36	35.37	32.60	30.17	28.12	25.85	24.41
135.0	48.60	43.56	39.30	34.71	31.66	29.06	26.46	24.69	23.19
180.0	53.25	47.83	42.07	38.14	34.71	31.77	28.84	26.85	24.69
225.0	47.49	42.84	37.97	34.60	31.16	28.95	27.01	24.96	23.53
270.0	52.20	45.67	41.18	37.36	33.21	30.61	28.34	26.35	24.19
315.0	45.17	40.85	36.37	33.32	30.28	28.17	26.46	24.52	23.19
360.0	40.46	36.59	32.66	30.17	27.95	25.57	24.02	22.75	21.59
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.31	19.48	18.76	17.93	17.33	16.83	16.27	15.67	15.17
45.0	21.37	20.09	19.21	18.43	17.60	16.99	16.33	15.89	15.39
90.0	23.14	21.92	20.70	19.76	18.82	18.16	17.49	16.77	16.27
135.0	21.59	20.48	19.60	18.76	17.82	17.27	16.72	16.16	15.61
180.0	23.19	21.98	20.65	19.76	18.93	18.27	17.49	16.94	16.44
225.0	22.25	21.20	19.98	19.26	18.49	17.88	17.16	16.61	16.11
270.0	22.81	21.64	20.31	19.43	18.43	17.82	17.27	16.72	16.05
315.0	22.03	20.76	19.98	19.21	18.54	17.93	17.21	16.66	16.16
360.0	20.31	19.48	18.76	17.93	17.33	16.83	16.27	15.67	15.17
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.61	14.12	13.62	12.95	12.45	11.90	11.40	10.90	10.52
45.0	14.95	14.39	14.00	13.51	13.06	12.45	11.96	11.46	11.02
90.0	15.78	15.22	14.61	14.12	13.56	12.84	12.34	11.85	11.40
135.0	15.17	14.78	14.28	13.89	13.40	13.01	12.57	11.96	11.51
180.0	16.00	15.44	15.06	14.56	14.12	13.67	13.12	12.62	12.18
225.0	15.55	15.06	14.61	14.12	13.62	13.12	12.51	11.96	11.51
270.0	15.61	15.11	14.67	14.12	13.62	13.17	12.57	12.01	11.51
315.0	15.50	15.00	14.39	13.89	13.34	12.73	12.18	11.68	11.18
360.0	14.61	14.12	13.62	12.95	12.45	11.90	11.40	10.90	10.52
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.19	9.85	9.52	9.19	8.86	8.52	8.25	7.97	7.69
45.0	10.52	10.13	9.74	9.47	9.19	8.86	8.52	8.25	7.97
90.0	10.90	10.52	10.19	9.80	9.52	9.13	8.80	8.52	8.25
135.0	11.07	10.68	10.35	9.96	9.69	9.41	9.08	8.80	8.52
180.0	11.68	11.18	10.79	10.41	10.07	9.69	9.41	9.08	8.80
225.0	11.02	10.52	10.13	9.85	9.52	9.13	8.86	8.47	8.19
270.0	10.96	10.57	10.07	9.74	9.41	9.13	8.80	8.47	8.19
315.0	10.68	10.35	9.96	9.63	9.24	8.91	8.64	8.36	8.03
360.0	10.19	9.85	9.52	9.19	8.86	8.52	8.25	7.97	7.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.47	7.31	7.09	6.97	6.75	6.59	6.42	6.31	6.31
45.0	7.69	7.47	7.25	7.09	6.92	6.70	6.59	6.37	6.25
90.0	7.97	7.69	7.53	7.31	7.09	6.86	6.64	6.48	6.31
135.0	8.25	8.03	7.69	7.47	7.25	7.09	6.86	6.64	6.53
180.0	8.47	8.14	7.92	7.64	7.42	7.20	7.03	6.81	6.64
225.0	7.97	7.75	7.53	7.31	7.09	6.92	6.75	6.59	6.42
270.0	7.97	7.64	7.42	7.25	7.03	6.86	6.70	6.53	6.37
315.0	7.80	7.53	7.36	7.20	7.03	6.81	6.64	6.48	6.42
360.0	7.47	7.31	7.09	6.97	6.75	6.59	6.42	6.31	6.31

Intensity data(cd)

C/γ(°)	90.0
0.0	6.31
45.0	6.25
90.0	6.31
135.0	6.37
180.0	6.42
225.0	6.31
270.0	6.25
315.0	6.37
360.0	6.31