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NT

Client:

LumCAT: 1-1380-L

Luminaire: 92.70.427.00

Report No: 20231110-B011

Ballast type: AC

Test No: 20231110-C011

Voltage(V): 34.760

LampCAT: Fortimo\_SLM\_C\_1204

Current(A): 0.320

Lamp flux(lm): 1750.7

Power (W): 11.123

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1635.75, Efficiency(%): 93.44% , Luminous Efficacy(lm/W): 147.06

Central intensity(cd): 2303.955, Maximum intensity(cd): 2304.094

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

Beam Angle(50%Imax): [C0/180]Total=52.8

[C90/270]Total=52.8

Field angle(10%Imax): [C0/180]Total=70.6

[C90/270]Total=70.6

Beam angle of C0 plane : 52.76

Aveage BeamAngle(IEC 61341):52.76

Maximum s/h(1/2): C0\_180=0.87 C90\_270=0.87

Maximum s/h(1/4): C0\_180=0.78 C90\_270=0.78

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.44%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.984%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/10  
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	2303.955	0.000	0	0.00%	0.00%
1.0	2304.094	2.205	2.205	0.13%	0.13%
2.0	2301.257	6.610	8.815	0.38%	0.54%
3.0	2295.306	10.993	19.808	0.63%	1.21%
4.0	2287.626	15.341	35.149	0.88%	2.15%
5.0	2276.348	19.634	54.783	1.12%	3.35%
6.0	2266.799	23.875	78.658	1.36%	4.81%
7.0	2252.269	28.050	106.708	1.60%	6.52%
8.0	2236.562	32.126	138.834	1.84%	8.49%
9.0	2215.943	36.085	174.919	2.06%	10.69%
10.0	2185.844	39.835	214.753	2.28%	13.13%
11.0	2155.815	43.382	258.136	2.48%	15.78%
12.0	2123.572	46.780	304.915	2.67%	18.64%
13.0	2091.674	50.024	354.94	2.86%	21.70%
14.0	2065.243	53.208	408.148	3.04%	24.95%
15.0	2038.950	56.344	464.492	3.22%	28.40%
16.0	2009.543	59.322	523.814	3.39%	32.02%
17.0	1969.827	61.969	585.783	3.54%	35.81%
18.0	1927.620	64.260	650.044	3.67%	39.74%
19.0	1877.525	66.202	716.246	3.78%	43.79%
20.0	1817.535	67.630	783.875	3.86%	47.92%
21.0	1744.884	68.406	852.281	3.91%	52.10%
22.0	1666.282	68.549	920.83	3.92%	56.29%
23.0	1580.484	68.126	988.956	3.89%	60.46%
24.0	1448.189	66.218	1055.173	3.78%	64.51%
25.0	1314.150	62.810	1117.983	3.59%	68.35%
26.0	1190.414	59.121	1177.103	3.38%	71.96%
27.0	1089.013	55.767	1232.87	3.19%	75.37%
28.0	969.968	52.129	1284.999	2.98%	78.56%
29.0	835.390	47.233	1332.232	2.70%	81.44%
30.0	705.696	41.609	1373.841	2.38%	83.99%
31.0	579.435	35.763	1409.605	2.04%	86.17%
32.0	472.533	30.138	1439.742	1.72%	88.02%
33.0	371.284	24.859	1464.602	1.42%	89.54%
34.0	289.133	19.986	1484.588	1.14%	90.76%
35.0	244.469	16.572	1501.159	0.95%	91.77%
36.0	190.084	13.836	1514.996	0.79%	92.62%
37.0	152.416	11.170	1526.166	0.64%	93.30%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	114.381	8.905	1535.071	0.51%	93.85%
39.0	95.859	7.176	1542.248	0.41%	94.28%
40.0	81.695	6.192	1548.44	0.35%	94.66%
41.0	70.057	5.404	1553.844	0.31%	94.99%
42.0	61.892	4.794	1558.638	0.27%	95.29%
43.0	54.447	4.310	1562.947	0.25%	95.55%
44.0	48.469	3.884	1566.832	0.22%	95.79%
45.0	43.515	3.535	1570.367	0.20%	96.00%
46.0	39.107	3.231	1573.598	0.18%	96.20%
47.0	35.412	2.964	1576.562	0.17%	96.38%
48.0	32.340	2.739	1579.301	0.16%	96.55%
49.0	29.870	2.555	1581.855	0.15%	96.71%
50.0	27.504	2.392	1584.247	0.14%	96.85%
51.0	25.560	2.245	1586.492	0.13%	96.99%
52.0	23.961	2.125	1588.617	0.12%	97.12%
53.0	22.591	2.025	1590.642	0.12%	97.24%
54.0	21.346	1.937	1592.579	0.11%	97.36%
55.0	20.211	1.855	1594.434	0.11%	97.47%
56.0	19.270	1.784	1596.218	0.10%	97.58%
57.0	18.357	1.720	1597.938	0.10%	97.69%
58.0	17.568	1.661	1599.6	0.09%	97.79%
59.0	16.883	1.611	1601.21	0.09%	97.89%
60.0	16.232	1.564	1602.775	0.09%	97.98%
61.0	15.624	1.520	1604.295	0.09%	98.08%
62.0	15.105	1.481	1605.776	0.08%	98.17%
63.0	14.565	1.443	1607.219	0.08%	98.26%
64.0	14.101	1.407	1608.625	0.08%	98.34%
65.0	13.707	1.376	1610.002	0.08%	98.43%
66.0	13.313	1.348	1611.35	0.08%	98.51%
67.0	12.863	1.316	1612.666	0.08%	98.59%
68.0	12.510	1.285	1613.951	0.07%	98.67%
69.0	12.150	1.258	1615.209	0.07%	98.74%
70.0	11.832	1.232	1616.441	0.07%	98.82%
71.0	11.465	1.204	1617.645	0.07%	98.89%
72.0	11.133	1.175	1618.82	0.07%	98.97%
73.0	10.808	1.147	1619.967	0.07%	99.04%
74.0	10.490	1.120	1621.087	0.06%	99.10%
75.0	10.185	1.092	1622.179	0.06%	99.17%

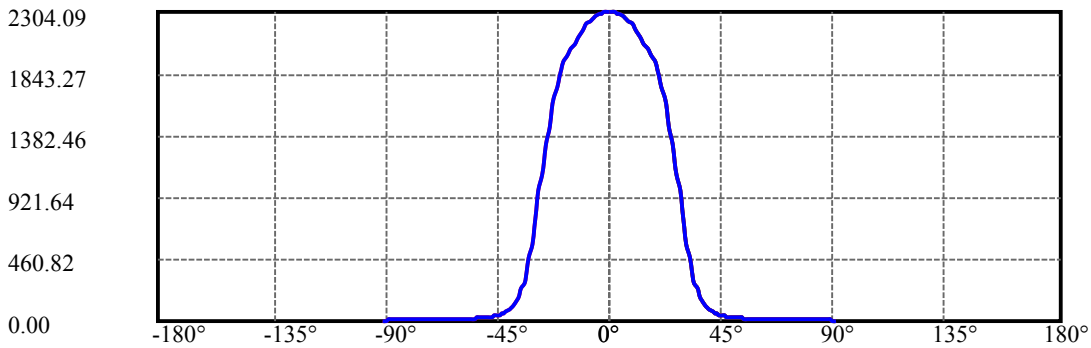
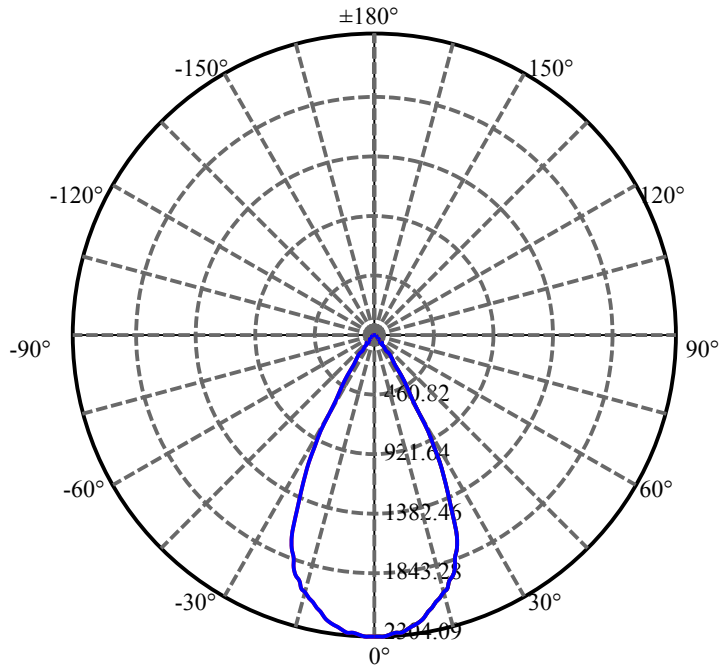
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.881	1.065	1623.244	0.06%	99.24%
77.0	9.611	1.039	1624.284	0.06%	99.30%
78.0	9.306	1.013	1625.296	0.06%	99.36%
79.0	9.043	0.986	1626.282	0.06%	99.42%
80.0	8.774	0.961	1627.243	0.05%	99.48%
81.0	8.552	0.937	1628.18	0.05%	99.54%
82.0	8.345	0.916	1629.096	0.05%	99.59%
83.0	8.137	0.896	1629.992	0.05%	99.65%
84.0	7.909	0.874	1630.866	0.05%	99.70%
85.0	7.729	0.853	1631.72	0.05%	99.75%
86.0	7.556	0.835	1632.555	0.05%	99.80%
87.0	7.410	0.819	1633.374	0.05%	99.85%
88.0	7.265	0.804	1634.178	0.05%	99.90%
89.0	7.148	0.790	1634.968	0.05%	99.95%
90.0	7.106	0.781	1635.749	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1373.84	78.48%	83.99%
0-40	1548.44	88.45%	94.66%
0-60	1602.77	91.55%	97.98%
0-90	1634.97	93.39%	99.95%
0-120	1634.97	93.39%	99.95%
0-180	1635.75	93.44%	100.00%
60-90	32.19	1.84%	1.97%
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%
0-28.50	1308.60	74.75%	80.00%

ZONAL LUMEN SUMMARY

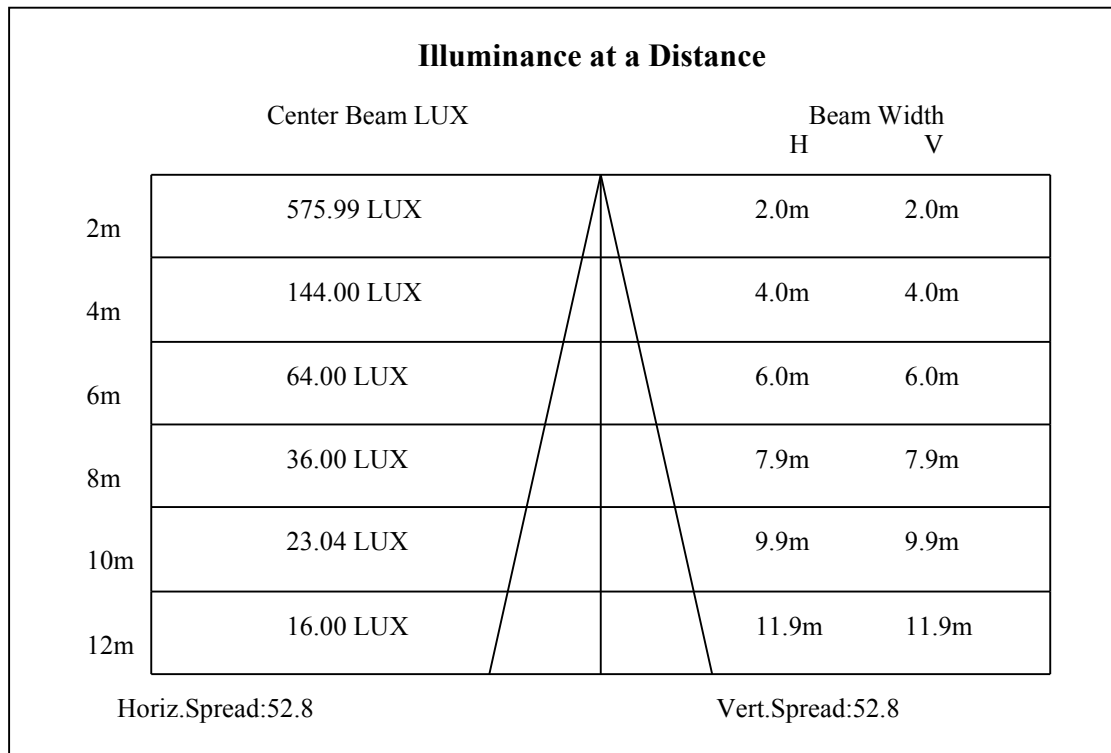
0-10	214.75
10-20	569.12
20-30	589.97
30-40	174.60
40-50	35.81
50-60	18.53
60-70	13.67
70-80	10.80
80-90	7.73
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

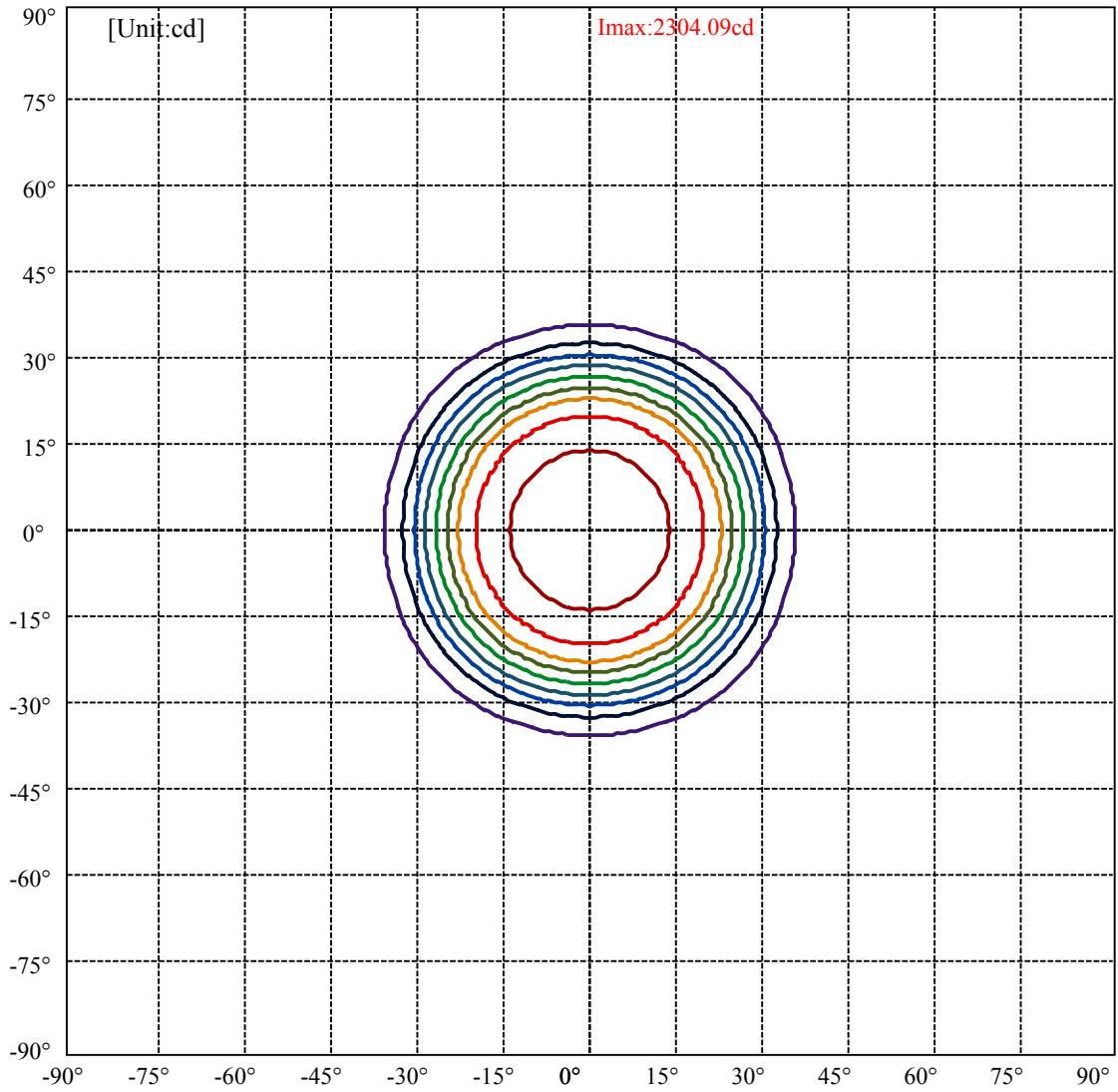


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:36.3 Right:34.3  
:C90/270Left:36.3 Right:34.3

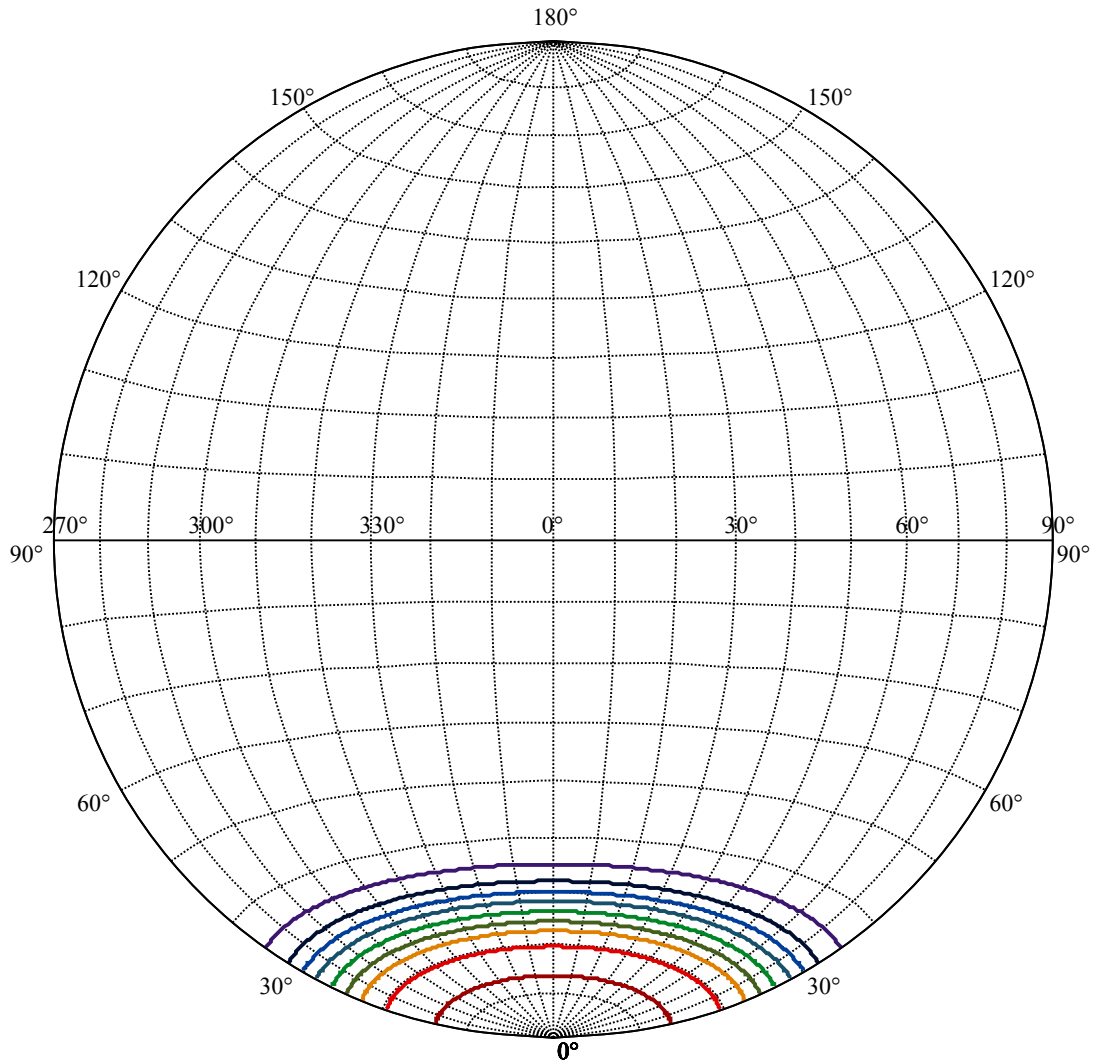
Beam Angle(50%Imax):C0/180Left:27.4 Right:25.4  
:C90/270Left:27.4 Right:25.4





(10%Imax) 230.409	—
(20%Imax) 460.819	—
(30%Imax) 691.228	—
(40%Imax) 921.637	—
(50%Imax) 1152.05	—
(60%Imax) 1382.46	—
(70%Imax) 1612.87	—
(80%Imax) 1843.27	—
(90%Imax) 2073.68	—





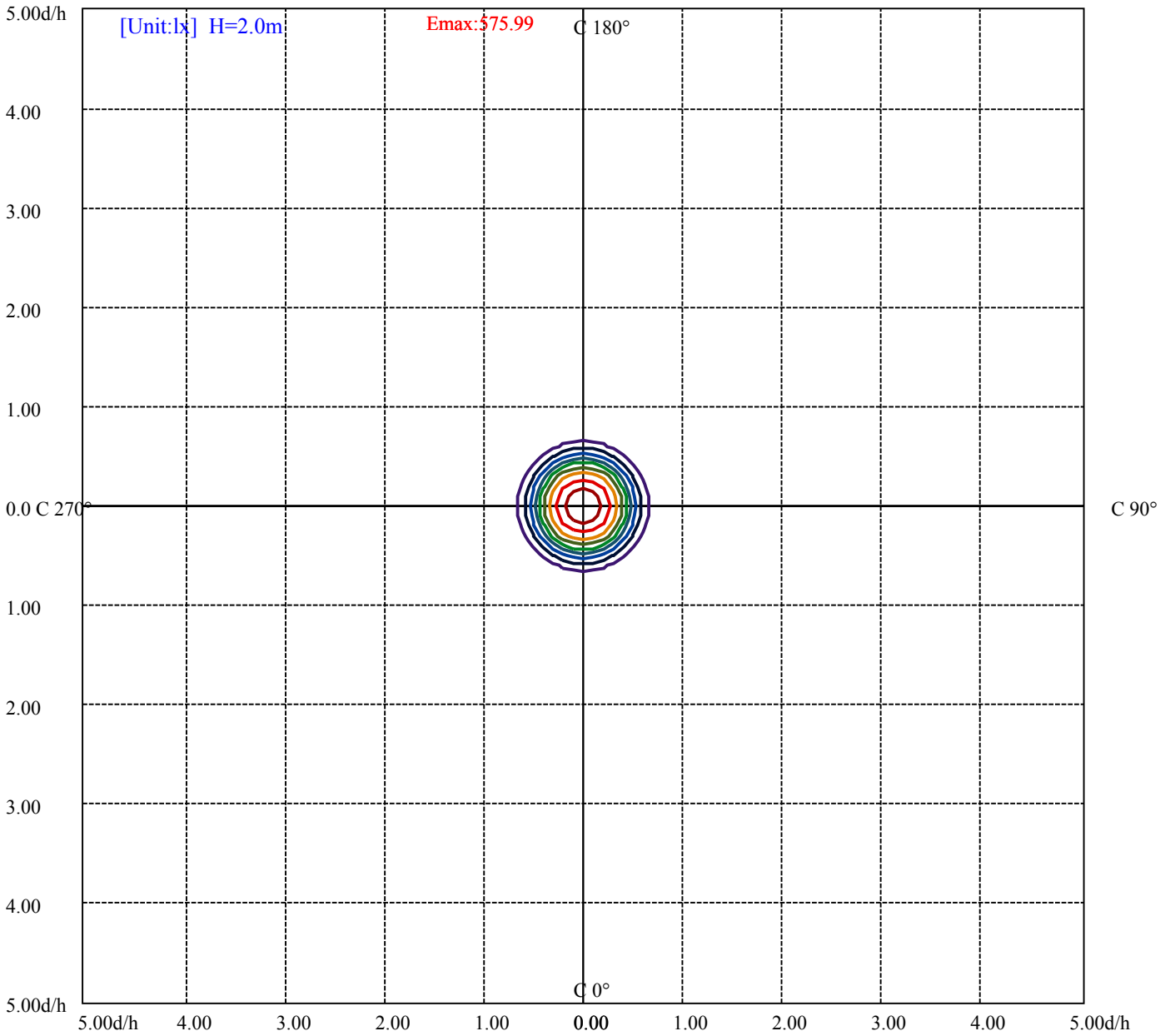
House

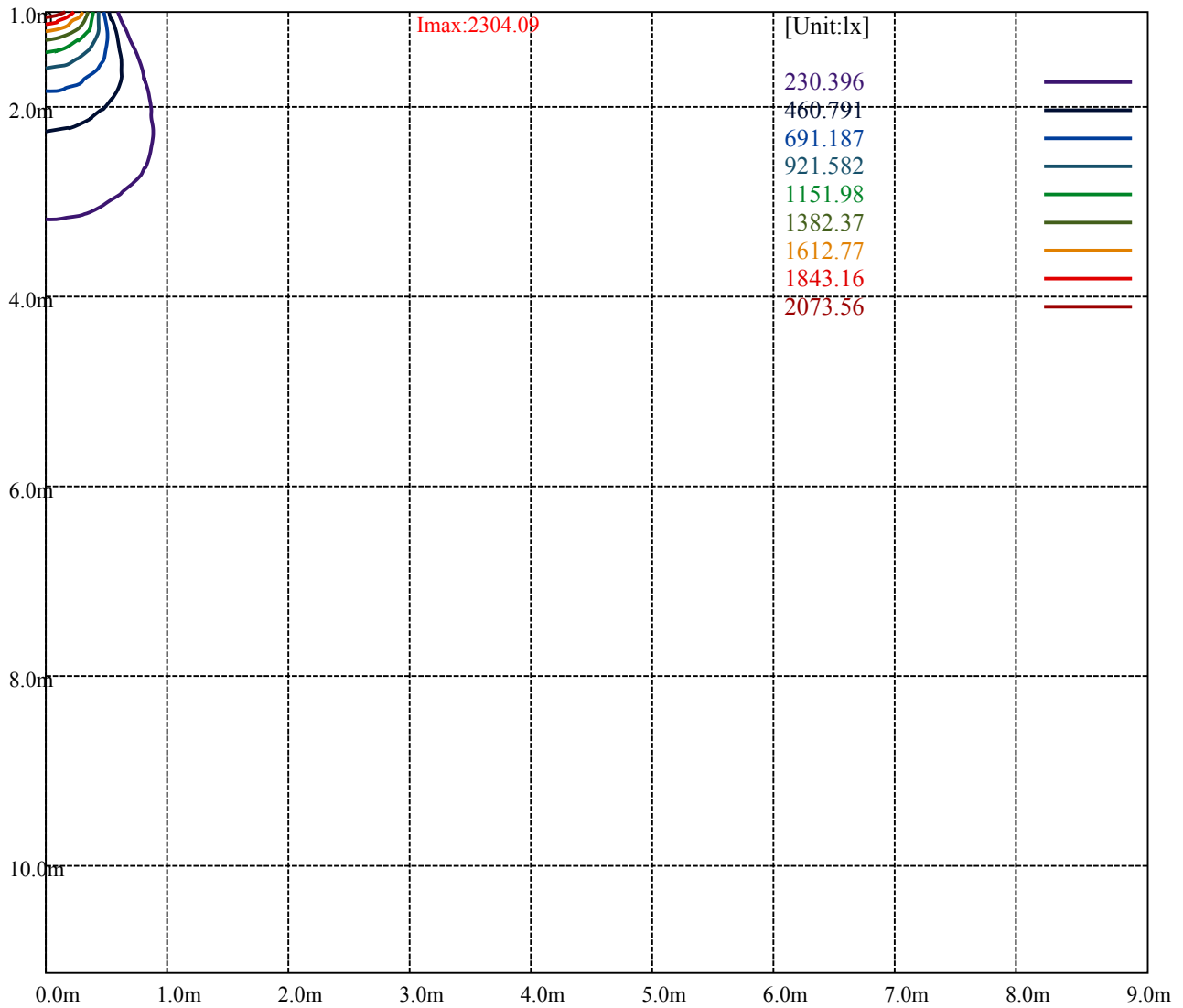
[Unit:cd]

Road

**Imax:2304.09**

(10%Imax)	230.409	—
(20%Imax)	460.819	—
(30%Imax)	691.228	—
(40%Imax)	921.637	—
(50%Imax)	1152.05	—
(60%Imax)	1382.46	—
(70%Imax)	1612.87	—
(80%Imax)	1843.27	—
(90%Imax)	2073.68	—





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

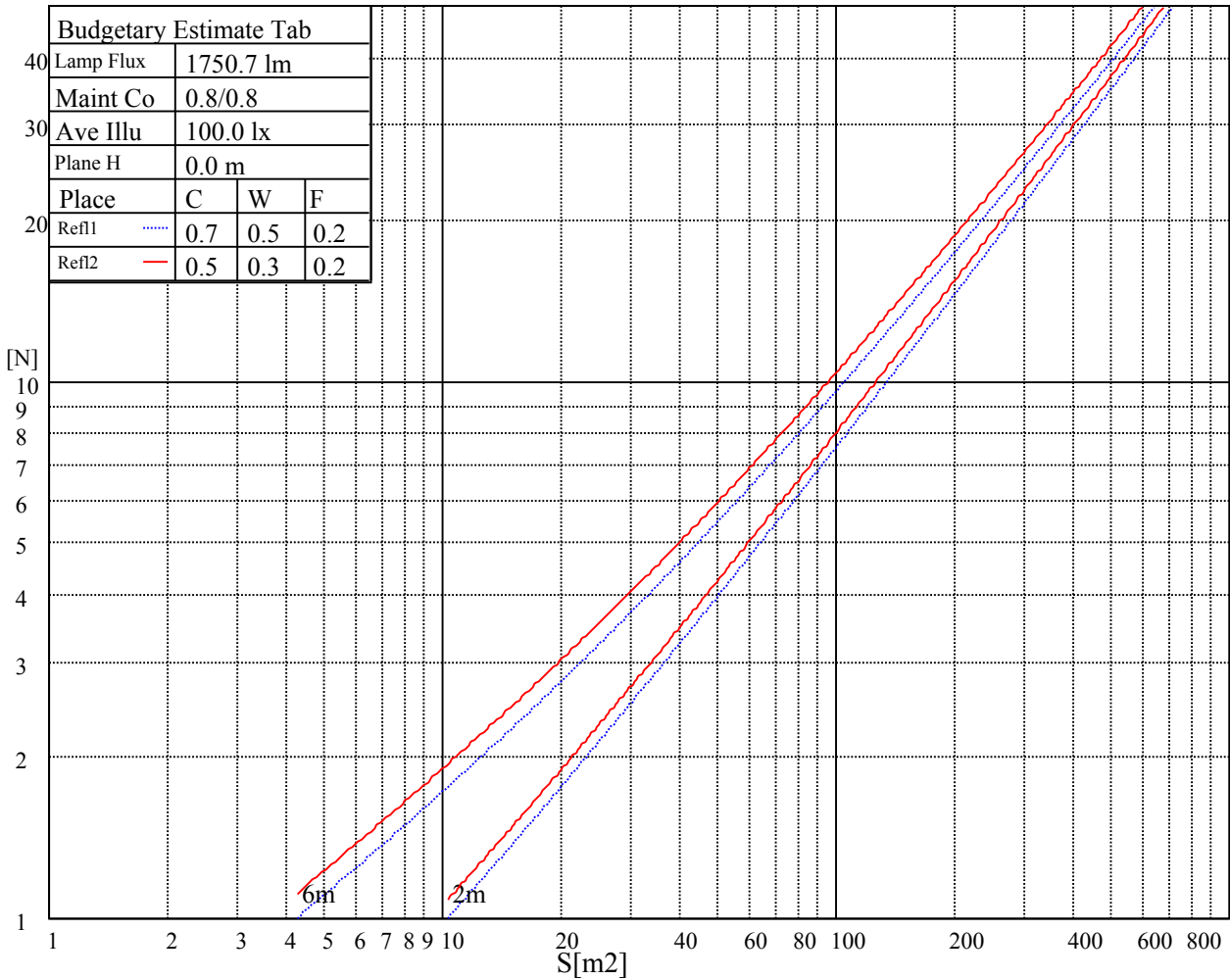
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

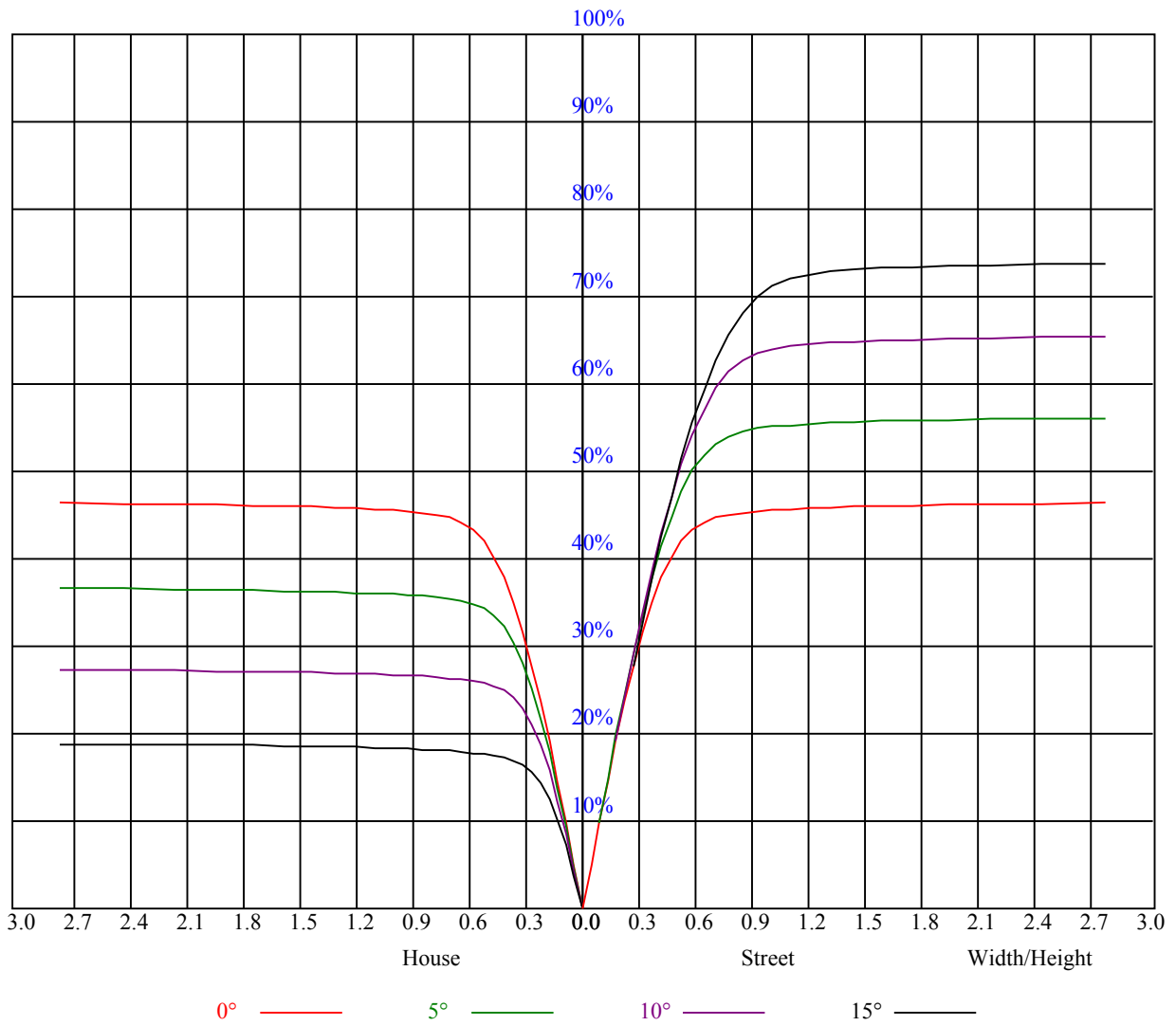


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.01	0.99	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.69
6	0.77	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	0.64	0.60	0.68	0.64	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
9	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.55
10	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.53





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	2304.37	2299.39	2297.17	2287.21	2280.01	2270.05	2264.52	2244.59	2222.45
45.0	2302.71	2304.37	2294.96	2291.64	2285.55	2278.35	2274.48	2264.52	2248.46
90.0	2304.37	2303.26	2301.05	2292.19	2281.68	2270.60	2251.23	2235.73	2217.47
135.0	2304.37	2304.37	2306.58	2294.41	2286.10	2278.35	2273.93	2253.45	2230.20
180.0	2304.37	2304.92	2303.82	2304.37	2301.05	2286.66	2277.80	2269.50	2256.77
225.0	2302.71	2303.82	2303.26	2303.82	2293.30	2277.80	2263.41	2250.12	2236.29
270.0	2304.37	2306.58	2304.92	2302.71	2292.75	2281.12	2268.39	2258.98	2249.57
315.0	2304.37	2306.03	2298.28	2286.10	2280.57	2267.84	2260.64	2241.27	2231.30
360.0	2304.37	2299.39	2297.17	2287.21	2280.01	2270.05	2264.52	2244.59	2222.45
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2188.68	2153.81	2120.04	2093.47	2058.60	2034.24	1999.37	1957.86	1899.18
45.0	2227.43	2187.57	2156.58	2115.06	2086.83	2065.80	2041.99	2007.68	1975.57
90.0	2187.57	2147.17	2104.54	2069.67	2047.53	2017.64	1992.73	1966.16	1923.54
135.0	2216.36	2184.81	2157.13	2121.70	2084.62	2061.92	2040.89	2007.68	1958.41
180.0	2241.82	2224.11	2208.61	2179.82	2134.99	2106.20	2086.28	2064.69	2027.60
225.0	2211.38	2186.47	2158.79	2127.24	2094.58	2067.46	2042.55	2019.30	1988.85
270.0	2238.50	2221.34	2188.13	2157.13	2129.45	2103.44	2074.10	2046.98	2020.96
315.0	2215.80	2181.49	2152.70	2124.47	2096.79	2065.24	2033.69	2006.01	1964.50
360.0	2188.68	2153.81	2120.04	2093.47	2058.60	2034.24	1999.37	1957.86	1899.18
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1844.94	1778.51	1705.44	1604.15	1514.47	1410.41	1081.61	1081.61	1020.67
45.0	1939.59	1895.86	1827.22	1763.57	1675.00	1594.18	1498.98	1358.38	1233.83
90.0	1880.36	1816.71	1754.71	1688.84	1615.77	1501.19	1392.70	1079.28	1079.28
135.0	1916.90	1869.84	1813.94	1730.91	1661.72	1576.47	1451.92	1339.00	1220.55
180.0	1991.07	1945.13	1890.88	1827.22	1739.76	1662.82	1549.90	1458.01	1352.29
225.0	1940.70	1895.31	1843.27	1783.49	1697.69	1617.43	1525.55	1420.37	1097.72
270.0	1985.53	1950.11	1896.97	1841.06	1785.71	1728.69	1627.95	1544.92	1443.07
315.0	1921.88	1868.74	1807.85	1719.84	1640.13	1552.67	1456.91	1231.62	1075.91
360.0	1844.94	1778.51	1705.44	1604.15	1514.47	1410.41	1081.61	1081.61	1020.67
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	870.77	756.41	643.37	513.24	418.47	332.68	259.94	194.68	158.64
45.0	1105.96	978.10	819.79	699.12	580.66	471.06	351.50	292.27	292.27
90.0	980.20	851.12	725.35	607.51	465.30	365.22	266.20	208.57	166.56
135.0	1072.20	949.87	793.77	678.08	564.61	458.88	340.98	283.41	283.41
180.0	1203.94	1083.82	960.38	807.61	688.05	576.78	473.27	357.58	297.80
225.0	1097.72	1036.27	879.29	751.59	604.74	493.09	393.73	310.64	232.93
270.0	1337.34	1182.35	1060.02	934.92	769.97	642.10	534.72	405.19	317.73
315.0	1043.97	921.80	801.13	653.50	543.68	440.45	349.95	260.72	206.41
360.0	870.77	756.41	643.37	513.24	418.47	332.68	259.94	194.68	158.64
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	130.91	110.04	91.78	80.71	71.74	62.38	56.18	49.26	44.50
45.0	157.59	127.20	104.95	85.24	74.06	63.82	57.18	51.48	46.33
90.0	129.91	108.94	92.99	80.54	68.97	61.55	55.41	49.76	43.73
135.0	166.01	130.08	109.54	93.77	81.59	69.91	62.22	54.14	48.49
180.0	297.80	167.50	130.69	108.94	92.72	77.55	68.31	58.84	52.48
225.0	186.98	152.00	124.10	98.36	82.92	71.52	60.94	54.30	48.55
270.0	284.52	284.52	148.35	122.00	96.48	81.09	70.24	61.61	53.14
315.0	166.95	139.05	112.64	97.31	85.08	72.62	64.65	56.18	50.54
360.0	130.91	110.04	91.78	80.71	71.74	62.38	56.18	49.26	44.50

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	40.52	36.20	33.38	30.83	28.67	26.35	24.80	23.47	22.20
45.0	41.85	37.14	33.99	31.27	28.89	26.40	24.74	23.03	21.81
90.0	39.63	36.15	32.60	30.22	28.06	25.85	24.36	22.69	21.59
135.0	43.67	38.53	35.32	32.38	29.84	27.29	25.57	24.02	22.75
180.0	46.94	42.35	37.42	34.21	31.50	29.23	26.79	25.08	23.64
225.0	42.46	38.58	35.15	31.61	29.23	27.23	25.02	23.58	22.25
270.0	47.49	42.68	38.69	34.43	31.61	28.67	26.63	24.85	22.97
315.0	45.56	41.24	36.75	33.77	31.16	29.01	26.57	24.96	23.53
360.0	40.52	36.20	33.38	30.83	28.67	26.35	24.80	23.47	22.20
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.87	19.93	18.99	18.05	17.33	16.61	15.94	15.44	14.95
45.0	20.76	19.54	18.71	17.99	17.10	16.44	15.89	15.33	14.72
90.0	20.59	19.65	18.60	17.88	17.16	16.55	16.05	15.33	14.83
135.0	21.31	20.26	19.37	18.38	17.66	16.99	16.22	15.61	15.11
180.0	22.36	20.92	19.98	18.82	18.05	17.38	16.61	16.00	15.50
225.0	21.15	19.93	19.04	18.21	17.49	16.72	16.16	15.55	15.06
270.0	21.75	20.59	19.60	18.76	17.71	17.05	16.38	15.72	15.17
315.0	21.98	20.87	19.87	18.76	18.05	17.33	16.61	16.00	15.50
360.0	20.87	19.93	18.99	18.05	17.33	16.61	15.94	15.44	14.95
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.39	13.95	13.56	13.17	12.73	12.34	12.01	11.68	11.29
45.0	14.28	13.84	13.45	13.12	12.68	12.34	11.90	11.62	11.24
90.0	14.28	13.84	13.45	13.01	12.57	12.23	11.79	11.51	11.18
135.0	14.56	14.06	13.73	13.28	12.79	12.45	12.12	11.79	11.40
180.0	14.89	14.45	14.06	13.67	13.17	12.84	12.51	12.18	11.79
225.0	14.56	14.06	13.67	13.28	12.95	12.51	12.18	11.90	11.57
270.0	14.72	14.23	13.73	13.34	12.90	12.57	12.23	11.85	11.57
315.0	14.83	14.39	14.00	13.62	13.12	12.79	12.45	12.12	11.68
360.0	14.39	13.95	13.56	13.17	12.73	12.34	12.01	11.68	11.29
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.96	10.57	10.24	9.91	9.58	9.30	9.02	8.80	8.52
45.0	10.96	10.68	10.35	10.02	9.80	9.52	9.24	8.91	8.69
90.0	10.90	10.46	10.19	9.96	9.69	9.35	9.08	8.86	8.52
135.0	11.07	10.79	10.41	10.13	9.85	9.58	9.30	8.91	8.75
180.0	11.46	11.13	10.79	10.52	10.13	9.91	9.63	9.35	9.08
225.0	11.13	10.90	10.63	10.24	9.96	9.74	9.41	9.13	8.86
270.0	11.24	10.96	10.63	10.35	10.07	9.80	9.47	9.24	8.97
315.0	11.35	10.96	10.68	10.35	9.96	9.69	9.30	9.13	8.80
360.0	10.96	10.57	10.24	9.91	9.58	9.30	9.02	8.80	8.52
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.36	8.19	7.97	7.75	7.64	7.47	7.31	7.14	7.20
45.0	8.47	8.25	8.08	7.80	7.64	7.53	7.42	7.20	7.09
90.0	8.36	8.19	7.92	7.69	7.53	7.42	7.25	7.14	7.03
135.0	8.52	8.30	8.08	7.86	7.69	7.47	7.36	7.20	7.09
180.0	8.80	8.58	8.36	8.19	7.97	7.75	7.58	7.47	7.31
225.0	8.64	8.41	8.25	7.97	7.80	7.64	7.47	7.36	7.20
270.0	8.69	8.47	8.25	8.08	7.80	7.64	7.47	7.36	7.20
315.0	8.58	8.36	8.19	7.92	7.75	7.53	7.42	7.25	7.09
360.0	8.36	8.19	7.97	7.75	7.64	7.47	7.31	7.14	7.20

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>7.25</b>
<b>45.0</b>	<b>7.14</b>
<b>90.0</b>	<b>7.09</b>
<b>135.0</b>	<b>7.03</b>
<b>180.0</b>	<b>7.14</b>
<b>225.0</b>	<b>7.09</b>
<b>270.0</b>	<b>7.03</b>
<b>315.0</b>	<b>7.09</b>
<b>360.0</b>	<b>7.25</b>