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NATA

Client:

LumCAT: 1-1381-L

Luminaire: 92.70.410.00

Report No: 2023629-B014

Ballast type: AC

Test No: 2023629-C014

Voltage(V): 34.860

LampCAT: FORTIMO SLM C 1204

Current(A): 0.301

Lamp flux(lm): 1660.3

Power (W): 10.492

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1565.52, Efficiency(%): 94.29% , Luminous Efficacy(lm/W): 149.21

Central intensity(cd): 7484.858, Maximum intensity(cd): 7484.858

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.2

[C90/270]Total=18.2

Field angle(10%Imax): [C0/180]Total=50.4

[C90/270]Total=50.4

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.933%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7484.858	0.000	0	0.00%	0.00%
1.0	7409.508	7.127	7.127	0.43%	0.46%
2.0	7210.235	20.984	28.11	1.26%	1.80%
3.0	6896.796	33.739	61.85	2.03%	3.95%
4.0	6460.955	44.713	106.562	2.69%	6.81%
5.0	5960.351	53.436	159.998	3.22%	10.22%
6.0	5408.614	59.747	219.745	3.60%	14.04%
7.0	4821.797	63.500	283.245	3.82%	18.09%
8.0	4277.394	65.121	348.366	3.92%	22.25%
9.0	3778.797	65.291	413.657	3.93%	26.42%
10.0	3338.251	64.407	478.064	3.88%	30.54%
11.0	2956.173	62.894	540.958	3.79%	34.55%
12.0	2634.292	61.112	602.07	3.68%	38.46%
13.0	2370.324	59.392	661.462	3.58%	42.25%
14.0	2145.589	57.803	719.265	3.48%	45.94%
15.0	1948.668	56.208	775.473	3.39%	49.53%
16.0	1764.825	54.413	829.886	3.28%	53.01%
17.0	1612.049	52.587	882.473	3.17%	56.37%
18.0	1451.897	50.518	932.991	3.04%	59.60%
19.0	1301.820	47.909	980.9	2.89%	62.66%
20.0	1199.485	45.781	1026.681	2.76%	65.58%
21.0	1114.164	44.427	1071.108	2.68%	68.42%
22.0	1018.368	42.854	1113.962	2.58%	71.16%
23.0	922.904	40.733	1154.695	2.45%	73.76%
24.0	836.787	38.473	1193.168	2.32%	76.22%
25.0	761.396	36.339	1229.507	2.19%	78.54%
26.0	691.436	34.294	1263.802	2.07%	80.73%
27.0	620.189	32.089	1295.891	1.93%	82.78%
28.0	552.450	29.689	1325.579	1.79%	84.67%
29.0	485.583	27.158	1352.737	1.64%	86.41%
30.0	415.373	24.326	1377.063	1.47%	87.96%
31.0	354.291	21.419	1398.482	1.29%	89.33%
32.0	292.177	18.521	1417.002	1.12%	90.51%
33.0	245.078	15.828	1432.83	0.95%	91.52%
34.0	201.072	13.502	1446.332	0.81%	92.39%
35.0	152.215	10.972	1457.303	0.66%	93.09%
36.0	105.151	8.195	1465.498	0.49%	93.61%
37.0	84.781	6.195	1471.693	0.37%	94.01%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	72.036	5.234	1476.927	0.32%	94.34%
39.0	64.238	4.651	1481.578	0.28%	94.64%
40.0	57.637	4.251	1485.829	0.26%	94.91%
41.0	51.936	3.902	1489.731	0.24%	95.16%
42.0	46.961	3.593	1493.324	0.22%	95.39%
43.0	42.678	3.320	1496.644	0.20%	95.60%
44.0	38.955	3.081	1499.725	0.19%	95.80%
45.0	35.821	2.874	1502.599	0.17%	95.98%
46.0	32.852	2.686	1505.285	0.16%	96.15%
47.0	30.534	2.521	1507.806	0.15%	96.31%
48.0	28.431	2.384	1510.189	0.14%	96.47%
49.0	26.618	2.261	1512.45	0.14%	96.61%
50.0	25.027	2.153	1514.603	0.13%	96.75%
51.0	23.719	2.062	1516.666	0.12%	96.88%
52.0	22.584	1.987	1518.653	0.12%	97.01%
53.0	21.678	1.925	1520.578	0.12%	97.13%
54.0	20.910	1.877	1522.455	0.11%	97.25%
55.0	20.225	1.836	1524.291	0.11%	97.37%
56.0	19.727	1.805	1526.096	0.11%	97.48%
57.0	19.346	1.786	1527.883	0.11%	97.60%
58.0	18.986	1.773	1529.656	0.11%	97.71%
59.0	18.620	1.758	1531.414	0.11%	97.82%
60.0	18.239	1.741	1533.155	0.10%	97.93%
61.0	17.734	1.717	1534.872	0.10%	98.04%
62.0	17.042	1.676	1536.547	0.10%	98.15%
63.0	16.212	1.617	1538.165	0.10%	98.25%
64.0	15.381	1.550	1539.715	0.09%	98.35%
65.0	14.454	1.477	1541.192	0.09%	98.45%
66.0	13.617	1.401	1542.592	0.08%	98.54%
67.0	12.842	1.330	1543.923	0.08%	98.62%
68.0	12.192	1.268	1545.191	0.08%	98.70%
69.0	11.610	1.214	1546.405	0.07%	98.78%
70.0	11.112	1.167	1547.572	0.07%	98.85%
71.0	10.697	1.127	1548.699	0.07%	98.93%
72.0	10.344	1.094	1549.793	0.07%	99.00%
73.0	10.019	1.065	1550.858	0.06%	99.06%
74.0	9.728	1.038	1551.896	0.06%	99.13%
75.0	9.424	1.012	1552.908	0.06%	99.19%

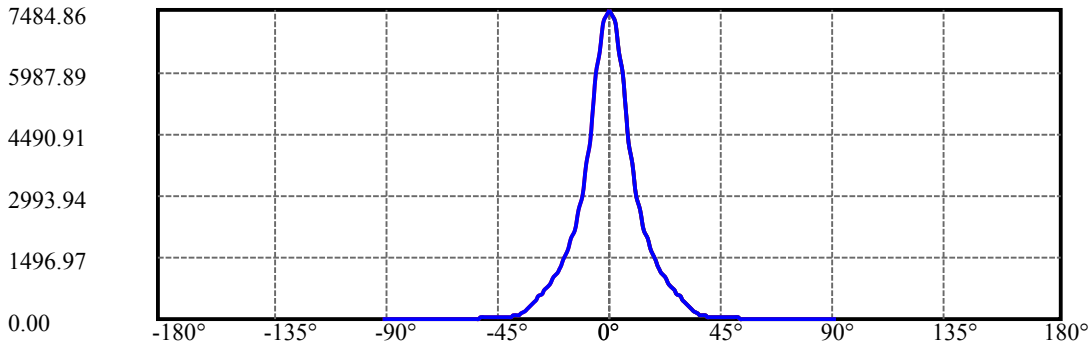
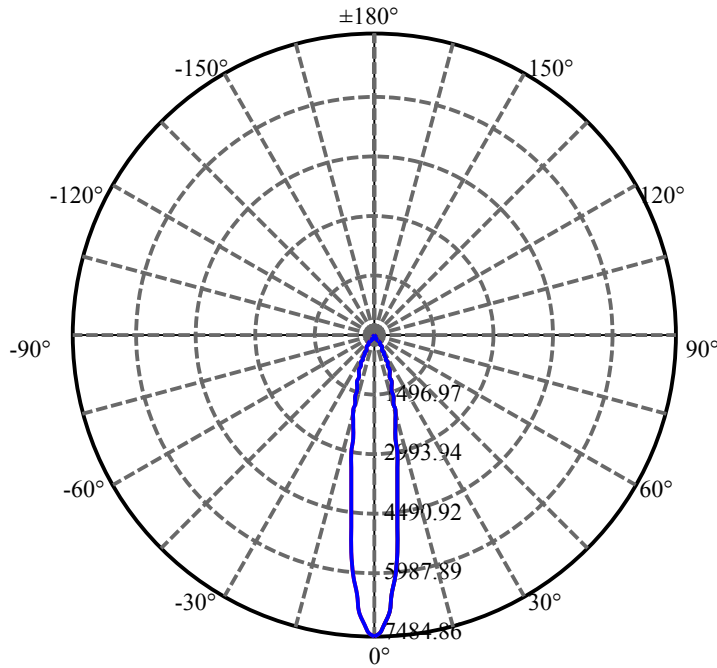
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.175	0.987	1553.895	0.06%	99.26%
77.0	8.877	0.962	1554.858	0.06%	99.32%
78.0	8.649	0.938	1555.796	0.06%	99.38%
79.0	8.386	0.915	1556.711	0.06%	99.44%
80.0	8.158	0.892	1557.603	0.05%	99.49%
81.0	7.964	0.872	1558.475	0.05%	99.55%
82.0	7.743	0.852	1559.327	0.05%	99.60%
83.0	7.535	0.831	1560.157	0.05%	99.66%
84.0	7.348	0.811	1560.968	0.05%	99.71%
85.0	7.161	0.792	1561.76	0.05%	99.76%
86.0	7.016	0.775	1562.535	0.05%	99.81%
87.0	6.885	0.761	1563.296	0.05%	99.86%
88.0	6.788	0.749	1564.045	0.05%	99.91%
89.0	6.705	0.740	1564.784	0.04%	99.95%
90.0	6.636	0.731	1565.516	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1377.06	82.94%	87.96%
0-40	1485.83	89.49%	94.91%
0-60	1533.16	92.34%	97.93%
0-90	1564.78	94.25%	99.95%
0-120	1564.78	94.25%	99.95%
0-180	1565.52	94.29%	100.00%
60-90	31.63	1.91%	2.02%
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%
0-25.67	1252.41	75.43%	80.00%

ZONAL LUMEN SUMMARY

0-10	478.06
10-20	548.62
20-30	350.38
30-40	108.77
40-50	28.77
50-60	18.55
60-70	14.42
70-80	10.03
80-90	7.18
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



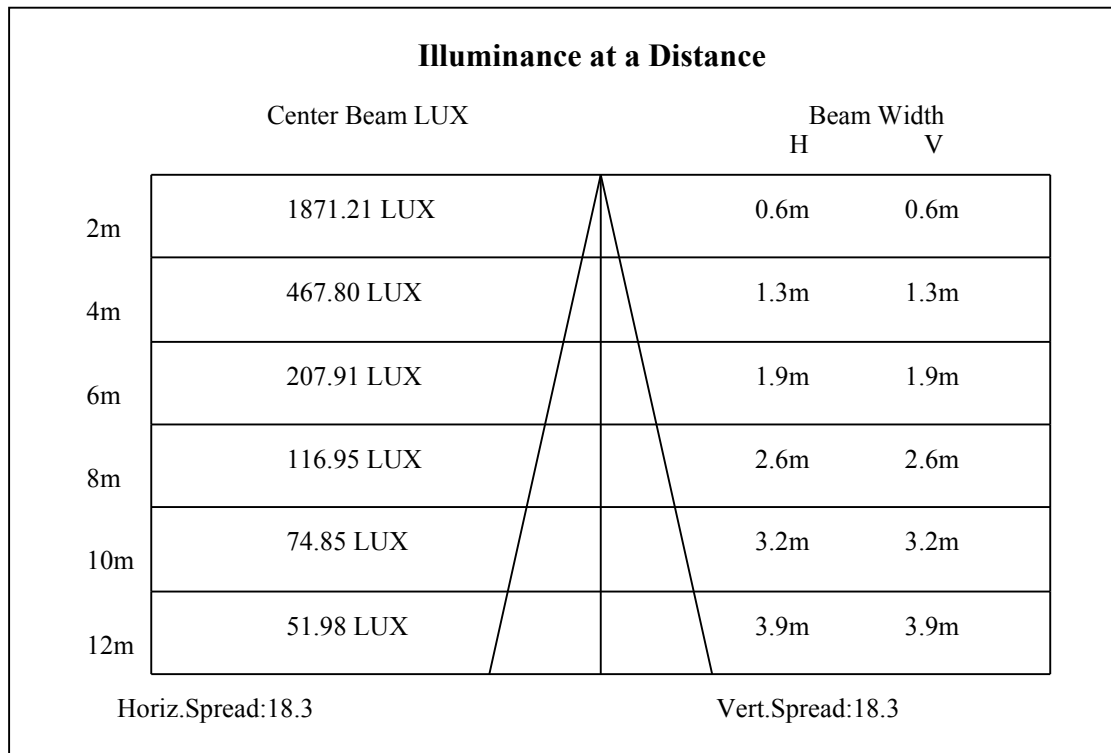
C0(Max): ———

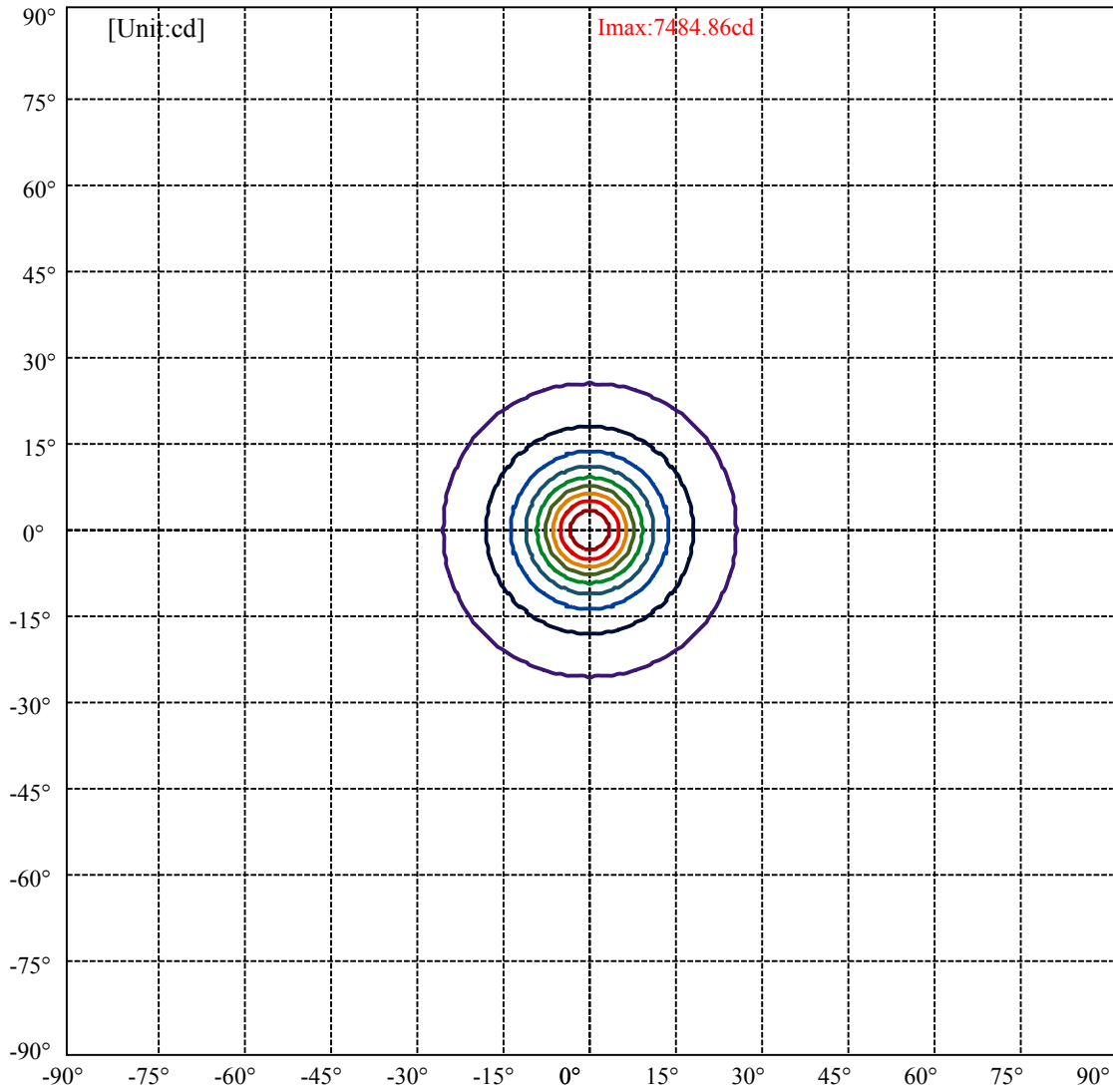
C0/C180: ———

C90/C270: ———

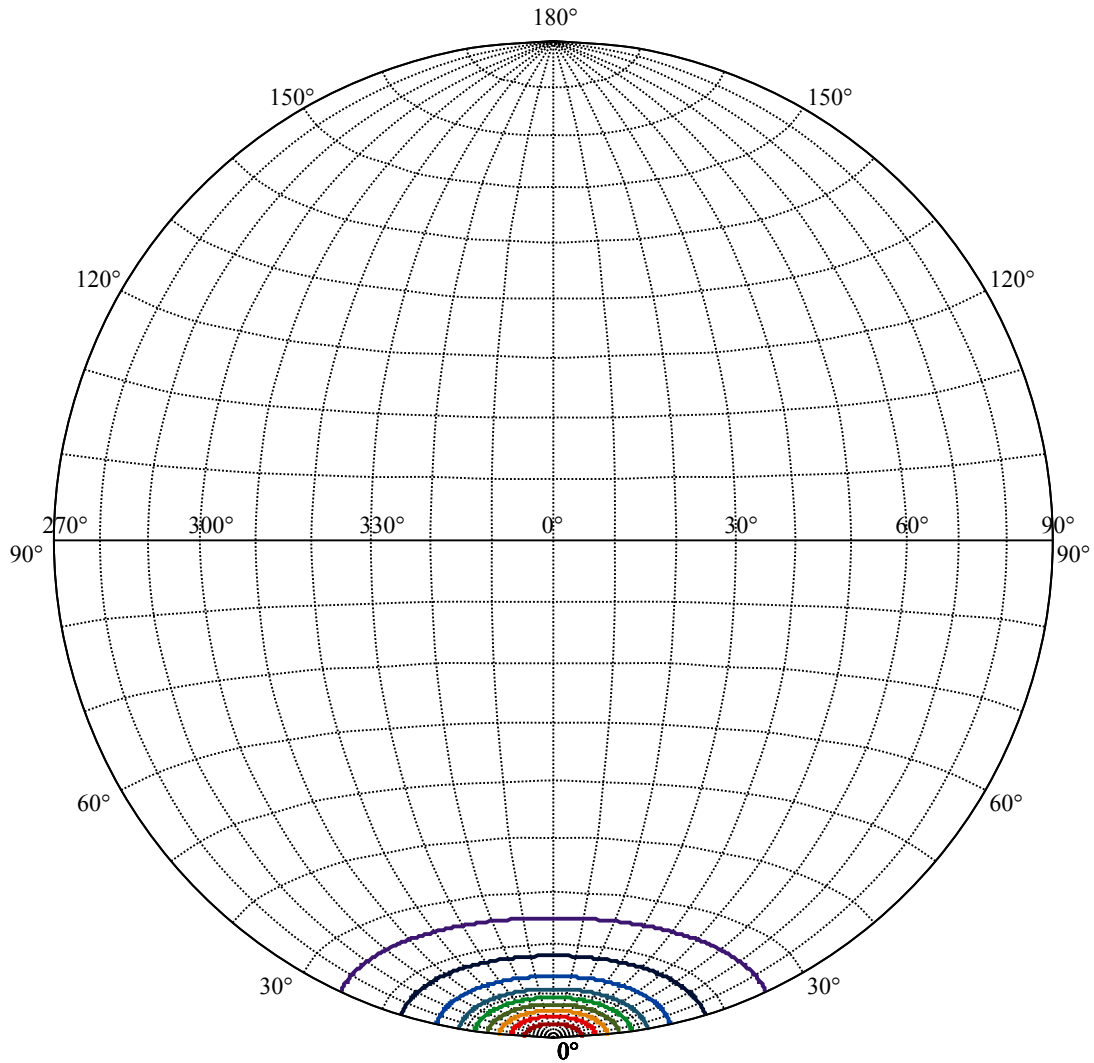
Field angle(10%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1





(10%Imax) 748.486	—
(20%Imax) 1496.97	—
(30%Imax) 2245.46	—
(40%Imax) 2993.94	—
(50%Imax) 3742.43	—
(60%Imax) 4490.91	—
(70%Imax) 5239.4	—
(80%Imax) 5987.89	—
(90%Imax) 6736.37	—



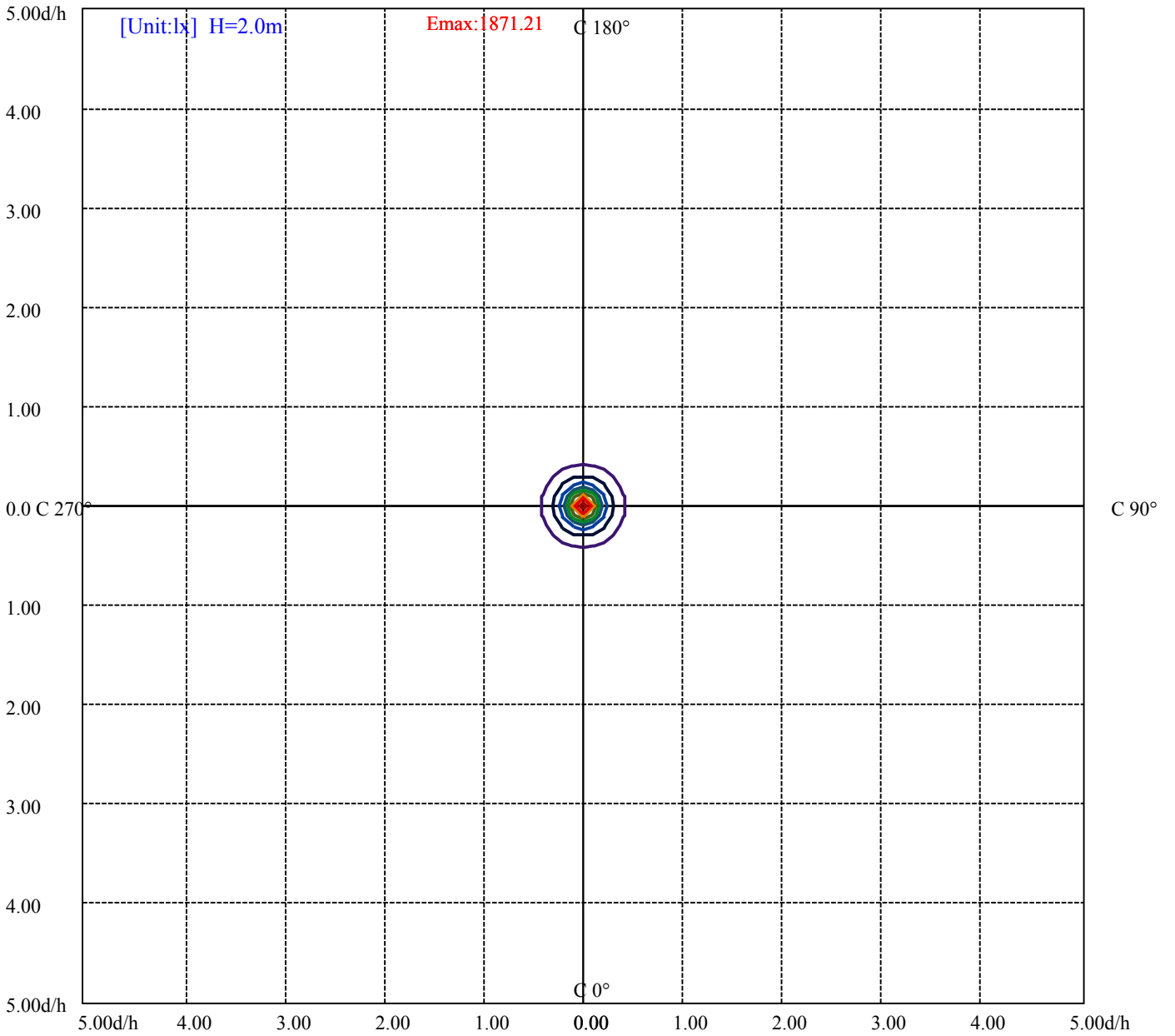
House

[Unit:cd]

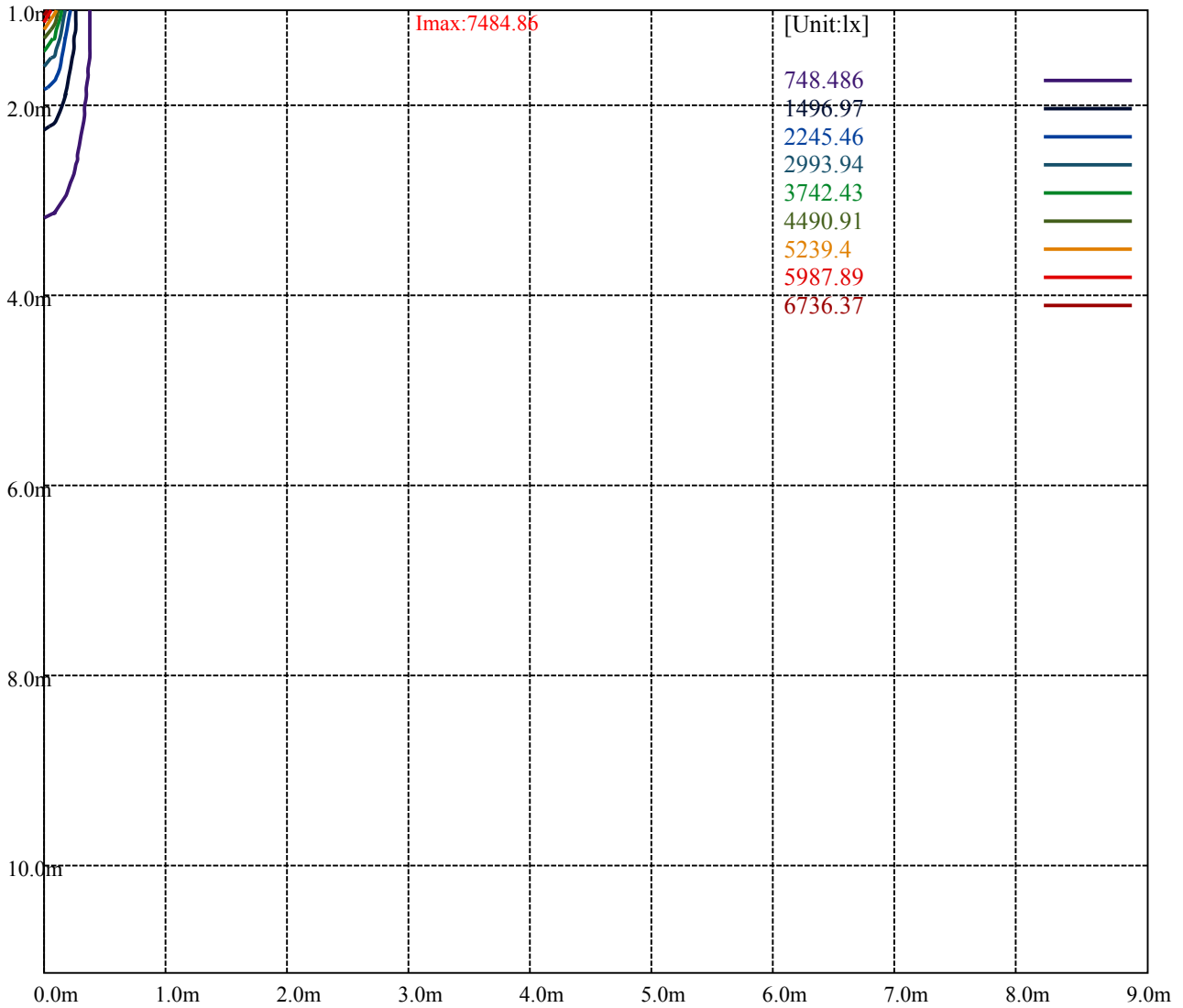
Road

Imax:7484.86

(10%Imax)	748.486	—
(20%Imax)	1496.97	—
(30%Imax)	2245.46	—
(40%Imax)	2993.94	—
(50%Imax)	3742.43	—
(60%Imax)	4490.91	—
(70%Imax)	5239.4	—
(80%Imax)	5987.89	—
(90%Imax)	6736.37	—



- (10%Emax) 187.1212
- (20%Emax) 374.2425
- (30%Emax) 561.3625
- (40%Emax) 748.485
- (50%Emax) 935.605
- (60%Emax) 1122.728
- (70%Emax) 1309.848
- (80%Emax) 1496.97
- (90%Emax) 1684.09



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

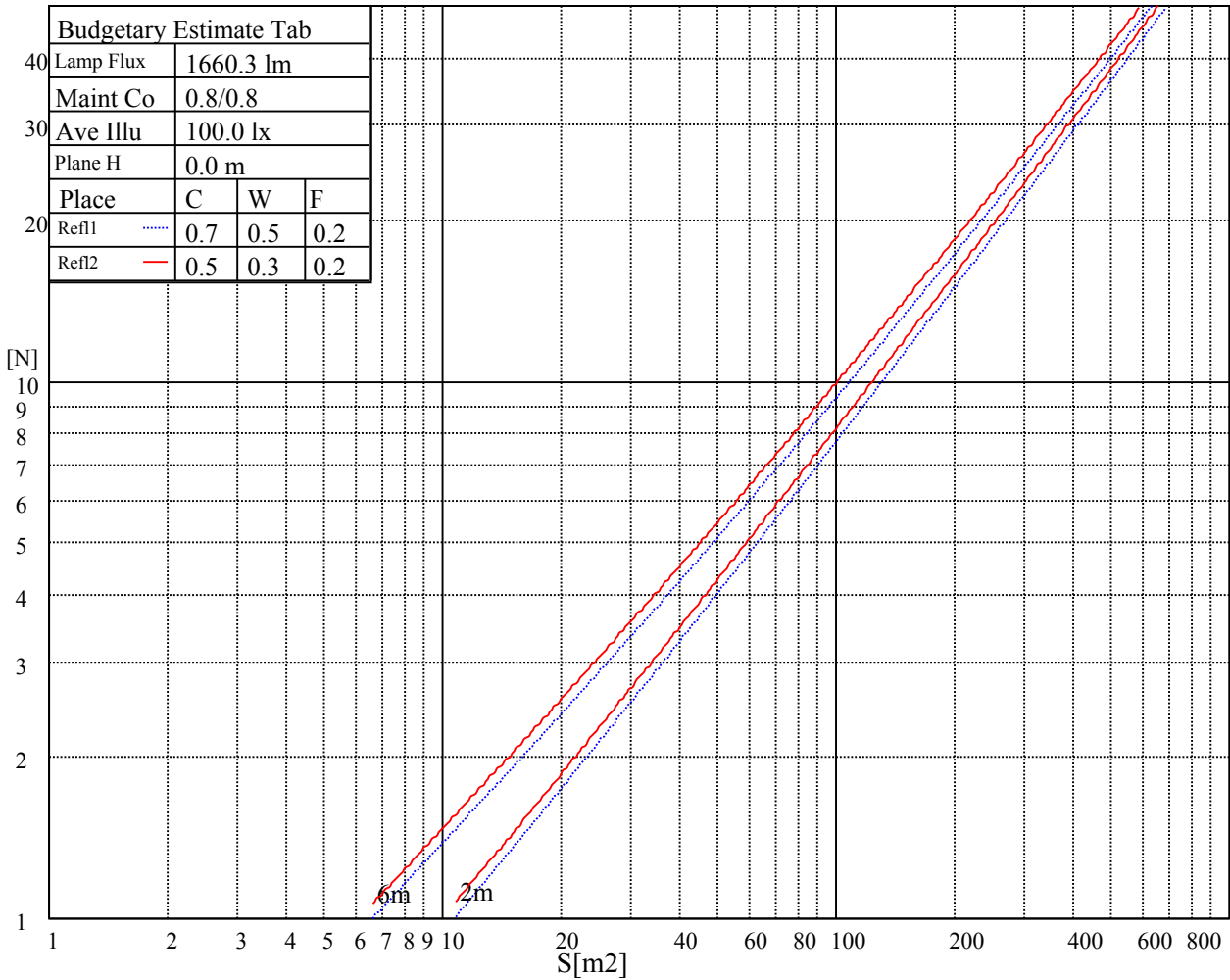
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

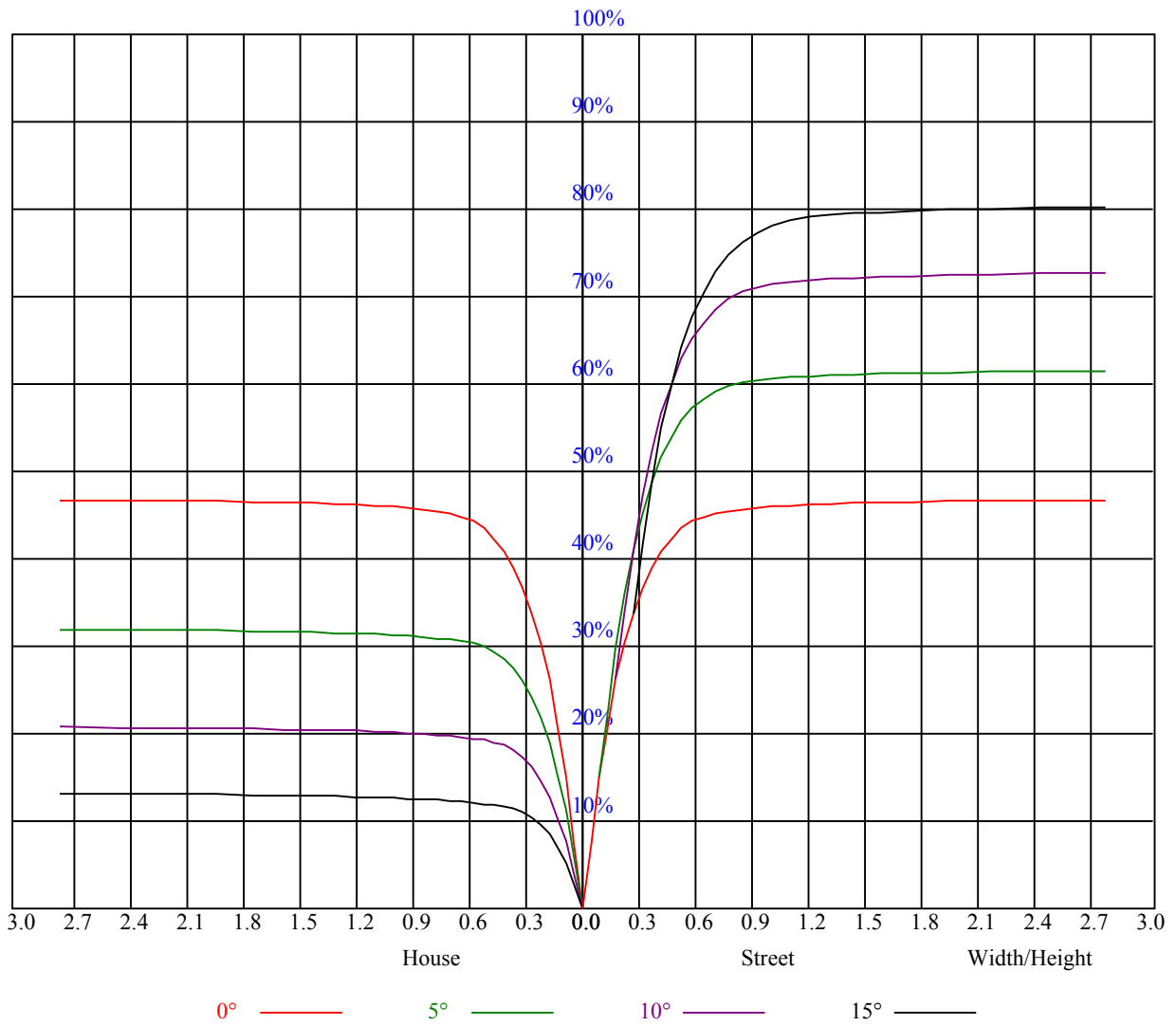


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.95	0.91	0.87	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
8	0.77	0.72	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	0.67
9	0.74	0.69	0.67	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	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	7278.94	6835.56	6422.07	5942.71	5427.92	4761.46	4253.32	3797.20	3392.57
45.0	7544.64	7415.11	7166.02	6730.39	6285.35	5786.06	5251.34	4584.33	4091.13
90.0	7555.71	7382.45	7099.04	6733.16	6266.53	5742.88	5054.84	4516.24	3900.71
135.0	7560.14	7672.51	7615.49	7405.15	6980.59	6518.94	5996.40	5429.03	4736.55
180.0	7278.94	7519.73	7644.83	7586.71	7385.22	6980.03	6539.97	6016.88	5450.06
225.0	7544.64	7543.53	7384.11	7105.13	6598.65	6111.54	5565.75	4841.72	4285.97
270.0	7555.71	7582.83	7454.97	7208.64	6768.58	6317.45	5813.18	5125.69	4579.35
315.0	7560.14	7324.33	6895.34	6462.48	5974.81	5464.45	4794.12	4263.28	3782.81
360.0	7278.94	6835.56	6422.07	5942.71	5427.92	4761.46	4253.32	3797.20	3392.57
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2958.59	2679.61	2429.97	2160.40	1969.98	1805.58	1620.14	1486.74	1369.95
45.0	3648.85	3254.18	2841.80	2570.57	2330.33	2070.72	1889.72	1691.00	1553.17
90.0	3458.99	3079.82	2690.68	2436.61	2216.30	1978.84	1806.13	1657.78	1524.94
135.0	4213.46	3737.42	3323.37	2885.53	2617.62	2375.72	2164.27	1931.23	1767.39
180.0	4742.09	4192.98	3711.40	3285.18	2845.67	2567.80	2331.44	2079.58	1906.32
225.0	3781.70	3341.64	2899.37	2619.83	2390.67	2177.56	1952.82	1795.62	1617.38
270.0	4062.35	3492.76	3111.92	2717.25	2461.52	2237.89	2040.83	1868.13	1681.03
315.0	3364.34	2927.60	2640.86	2398.97	2130.50	1950.61	1783.99	1608.52	1476.23
360.0	2958.59	2679.61	2429.97	2160.40	1969.98	1805.58	1620.14	1486.74	1369.95
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1087.31	1087.31	1040.70	926.45	838.88	767.70	705.37	630.31	565.88
45.0	1428.62	1316.81	1190.60	1096.50	1002.95	914.39	811.43	747.22	685.22
90.0	1375.48	1095.23	1095.23	1069.43	953.02	865.34	791.06	710.85	651.35
135.0	1623.47	1462.39	1346.14	1213.30	1113.66	1019.00	903.87	818.62	751.65
180.0	1712.03	1570.33	1441.35	1325.11	1192.26	1095.95	1003.51	917.15	811.98
225.0	1487.30	1368.29	1082.77	1082.77	1034.50	924.24	840.05	766.32	707.03
270.0	1543.76	1417.00	1301.86	1174.55	1076.57	965.86	878.96	799.25	717.33
315.0	1357.21	1097.22	1097.22	1025.20	935.09	830.75	760.06	701.44	641.05
360.0	1087.31	1087.31	1040.70	926.45	838.88	767.70	705.37	630.31	565.88
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	499.62	439.67	366.88	310.09	255.35	191.80	146.13	110.32	83.97
45.0	617.69	536.87	475.43	399.04	339.82	282.80	282.80	162.30	123.00
90.0	569.48	505.16	443.49	369.54	311.64	255.84	203.42	156.32	111.04
135.0	689.10	605.51	542.41	479.86	419.52	347.57	292.21	292.21	224.62
180.0	743.34	683.56	619.90	534.11	469.34	392.96	333.73	291.10	291.10
225.0	627.27	560.73	493.42	428.66	352.49	294.65	238.19	175.58	134.90
270.0	654.78	592.78	510.30	443.33	384.10	324.87	280.59	280.59	150.29
315.0	560.23	495.30	432.81	358.36	302.06	246.93	183.55	140.16	98.81
360.0	499.62	439.67	366.88	310.09	255.35	191.80	146.13	110.32	83.97
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	73.56	65.76	57.18	51.48	46.50	42.18	38.03	35.09	32.44
45.0	90.12	76.22	68.25	61.11	53.42	48.16	43.67	39.91	36.04
90.0	90.17	79.04	72.02	63.60	57.73	51.48	47.11	43.23	39.36
135.0	131.91	102.13	81.70	73.73	67.14	59.28	53.75	48.99	44.95
180.0	159.03	120.89	91.00	78.88	71.96	65.82	58.18	52.75	48.21
225.0	103.51	80.93	72.85	66.81	59.06	53.36	48.66	44.45	39.85
270.0	113.59	84.36	71.68	64.54	57.18	51.81	46.61	41.18	37.70
315.0	79.32	68.92	61.61	53.75	48.10	43.40	39.69	35.81	33.10
360.0	73.56	65.76	57.18	51.48	46.50	42.18	38.03	35.09	32.44

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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	30.11	27.46	25.91	24.36	23.19	22.20	21.26	20.70	20.09
45.0	33.21	30.61	28.45	26.35	24.91	23.36	22.20	21.26	20.48
90.0	36.48	33.82	31.00	29.01	27.51	26.24	24.74	23.75	22.97
135.0	40.46	37.53	34.71	32.16	29.45	27.51	26.07	24.41	23.19
180.0	44.17	39.58	36.64	34.04	31.66	28.89	27.07	25.41	24.08
225.0	36.70	34.10	31.72	29.12	27.12	25.63	24.13	22.92	21.70
270.0	34.76	31.66	29.50	27.46	25.63	23.97	22.86	21.70	20.81
315.0	30.67	28.06	26.35	24.96	23.47	22.42	21.42	20.54	20.09
360.0	30.11	27.46	25.91	24.36	23.19	22.20	21.26	20.70	20.09
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.54	19.26	19.04	18.65	18.32	18.05	17.38	16.50	15.50
45.0	20.09	19.54	19.15	18.93	18.65	18.16	17.88	17.38	16.55
90.0	22.20	20.87	20.31	20.09	19.71	19.10	18.54	17.99	16.99
135.0	21.92	21.37	20.65	19.98	19.43	19.10	18.65	18.21	17.60
180.0	22.81	21.70	21.03	20.37	19.71	19.26	19.10	18.76	18.27
225.0	21.15	20.54	19.98	19.48	19.32	18.93	18.49	18.05	17.60
270.0	20.04	19.43	18.76	18.38	18.27	18.10	17.82	17.66	17.33
315.0	19.54	19.10	18.88	18.88	18.49	18.27	18.05	17.33	16.50
360.0	19.54	19.26	19.04	18.65	18.32	18.05	17.38	16.50	15.50
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.72	13.84	12.90	12.34	11.62	11.18	10.79	10.46	10.02
45.0	15.72	14.67	13.89	12.90	12.29	11.79	11.29	10.74	10.41
90.0	15.94	15.17	14.28	13.51	12.90	12.18	11.62	11.18	10.85
135.0	17.05	16.22	15.33	14.56	13.73	12.95	12.40	11.85	11.29
180.0	17.77	17.21	16.22	15.17	14.34	13.45	12.68	12.07	11.46
225.0	16.72	15.83	14.89	13.95	13.01	12.40	11.73	11.24	10.85
270.0	16.38	15.55	14.72	13.84	12.79	12.07	11.46	10.79	10.46
315.0	15.39	14.56	13.40	12.68	12.07	11.51	10.90	10.57	10.24
360.0	14.72	13.84	12.90	12.34	11.62	11.18	10.79	10.46	10.02
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.74	9.47	9.19	8.86	8.64	8.41	8.19	7.97	7.75
45.0	10.07	9.80	9.52	9.24	8.97	8.69	8.47	8.25	7.97
90.0	10.41	10.13	9.80	9.52	9.24	8.91	8.69	8.41	8.14
135.0	10.85	10.52	10.13	9.85	9.63	9.30	8.97	8.75	8.52
180.0	11.02	10.68	10.35	9.96	9.69	9.41	9.19	8.86	8.64
225.0	10.52	10.13	9.85	9.58	9.35	8.97	8.75	8.52	8.30
270.0	10.19	9.80	9.58	9.24	9.02	8.75	8.58	8.25	8.08
315.0	9.96	9.63	9.41	9.13	8.86	8.58	8.36	8.08	7.86
360.0	9.74	9.47	9.19	8.86	8.64	8.41	8.19	7.97	7.75
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.64	7.42	7.20	7.09	6.92	6.86	6.70	6.59	6.86
45.0	7.80	7.64	7.36	7.20	7.03	6.92	6.81	6.86	6.53
90.0	7.97	7.69	7.53	7.31	7.14	6.97	6.81	6.86	6.53
135.0	8.25	7.97	7.80	7.58	7.36	7.14	7.03	6.86	6.81
180.0	8.41	8.14	7.86	7.69	7.47	7.25	7.09	6.92	6.81
225.0	8.03	7.80	7.64	7.42	7.25	7.09	6.92	6.81	6.86
270.0	7.86	7.69	7.53	7.31	7.09	6.97	6.86	6.75	6.64
315.0	7.75	7.58	7.36	7.20	7.03	6.92	6.86	6.64	6.59
360.0	7.64	7.42	7.20	7.09	6.92	6.86	6.70	6.59	6.86

Intensity data(cd)

C/γ(°)	90.0
0.0	6.70
45.0	6.53
90.0	6.53
135.0	6.64
180.0	6.81
225.0	6.53
270.0	6.53
315.0	6.81
360.0	6.70