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NT

Client:

LumCAT: 1-1380-L

Luminaire: 92.70.428.00

Report No: 20231204-B017

Ballast type: AC

Test No: 20231204-C017

Voltage(V): 37.790

LampCAT: CREE CXA1507 LES8.9

Current(A): 0.330

Lamp flux(lm): 1242.2

Power (W): 12.470

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1155.62, Efficiency(%): 93.03% , Luminous Efficacy(lm/W): 92.67

Central intensity(cd): 1700.463, Maximum intensity(cd): 1700.463

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=51.6

[C90/270]Total=51.6

Field angle(10%Imax): [C0/180]Total=71.0

[C90/270]Total=71.0

Beam angle of C0 plane : 51.60

Aveage BeamAngle(IEC 61341):51.60

Maximum s/h(1/2): C0_180=0.84 C90_270=0.84

Maximum s/h(1/4): C0_180=0.76 C90_270=0.76

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.03%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.913%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1700.463	0.000	0	0.00%	0.00%
1.0	1690.499	1.623	1.623	0.13%	0.14%
2.0	1676.661	4.833	6.455	0.39%	0.56%
3.0	1668.911	8.002	14.457	0.64%	1.25%
4.0	1664.275	11.157	25.614	0.90%	2.22%
5.0	1655.765	14.283	39.897	1.15%	3.45%
6.0	1641.788	17.330	57.226	1.40%	4.95%
7.0	1628.295	20.297	77.524	1.63%	6.71%
8.0	1609.129	23.170	100.693	1.87%	8.71%
9.0	1586.919	25.902	126.595	2.09%	10.95%
10.0	1566.922	28.541	155.137	2.30%	13.42%
11.0	1547.341	31.118	186.254	2.51%	16.12%
12.0	1527.967	33.618	219.872	2.71%	19.03%
13.0	1506.448	36.011	255.883	2.90%	22.14%
14.0	1487.420	38.321	294.204	3.09%	25.46%
15.0	1463.065	40.506	334.71	3.26%	28.96%
16.0	1434.765	42.461	377.171	3.42%	32.64%
17.0	1405.151	44.225	421.396	3.56%	36.47%
18.0	1366.473	45.698	467.094	3.68%	40.42%
19.0	1326.203	46.847	513.941	3.77%	44.47%
20.0	1260.035	47.335	561.277	3.81%	48.57%
21.0	1175.157	46.761	608.037	3.76%	52.62%
22.0	1141.543	46.555	654.592	3.75%	56.64%
23.0	1081.547	46.646	701.239	3.76%	60.68%
24.0	1006.827	45.659	746.898	3.68%	64.63%
25.0	925.346	43.933	790.831	3.54%	68.43%
26.0	831.473	41.470	832.301	3.34%	72.02%
27.0	741.378	38.480	870.782	3.10%	75.35%
28.0	649.886	35.224	906.005	2.84%	78.40%
29.0	556.477	31.562	937.567	2.54%	81.13%
30.0	468.817	27.683	965.25	2.23%	83.53%
31.0	393.225	23.989	989.239	1.93%	85.60%
32.0	327.901	20.659	1009.899	1.66%	87.39%
33.0	270.472	17.628	1027.527	1.42%	88.92%
34.0	236.699	15.348	1042.876	1.24%	90.24%
35.0	197.017	13.470	1056.345	1.08%	91.41%
36.0	141.671	10.784	1067.129	0.87%	92.34%
37.0	112.831	8.300	1075.429	0.67%	93.06%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	92.302	6.847	1082.277	0.55%	93.65%
39.0	75.143	5.715	1087.992	0.46%	94.15%
40.0	62.854	4.813	1092.805	0.39%	94.56%
41.0	52.800	4.118	1096.923	0.33%	94.92%
42.0	44.802	3.546	1100.469	0.29%	95.23%
43.0	38.664	3.092	1103.561	0.25%	95.50%
44.0	33.994	2.742	1106.303	0.22%	95.73%
45.0	30.278	2.470	1108.773	0.20%	95.95%
46.0	27.096	2.244	1111.017	0.18%	96.14%
47.0	24.418	2.049	1113.066	0.16%	96.32%
48.0	22.404	1.893	1114.959	0.15%	96.48%
49.0	20.668	1.769	1116.728	0.14%	96.63%
50.0	19.125	1.659	1118.387	0.13%	96.78%
51.0	17.858	1.565	1119.951	0.13%	96.91%
52.0	16.772	1.486	1121.437	0.12%	97.04%
53.0	15.880	1.420	1122.858	0.11%	97.17%
54.0	15.022	1.362	1124.22	0.11%	97.28%
55.0	14.316	1.310	1125.529	0.11%	97.40%
56.0	13.679	1.265	1126.794	0.10%	97.51%
57.0	13.140	1.226	1128.021	0.10%	97.61%
58.0	12.628	1.192	1129.212	0.10%	97.72%
59.0	12.157	1.159	1130.371	0.09%	97.82%
60.0	11.735	1.129	1131.5	0.09%	97.91%
61.0	11.347	1.102	1132.601	0.09%	98.01%
62.0	11.002	1.077	1133.678	0.09%	98.10%
63.0	10.635	1.052	1134.73	0.08%	98.19%
64.0	10.330	1.029	1135.759	0.08%	98.28%
65.0	10.019	1.007	1136.766	0.08%	98.37%
66.0	9.735	0.986	1137.752	0.08%	98.45%
67.0	9.479	0.966	1138.718	0.08%	98.54%
68.0	9.216	0.947	1139.665	0.08%	98.62%
69.0	8.967	0.928	1140.593	0.07%	98.70%
70.0	8.732	0.909	1141.502	0.07%	98.78%
71.0	8.490	0.890	1142.392	0.07%	98.86%
72.0	8.241	0.870	1143.262	0.07%	98.93%
73.0	7.999	0.849	1144.111	0.07%	99.00%
74.0	7.777	0.829	1144.94	0.07%	99.08%
75.0	7.549	0.810	1145.75	0.07%	99.15%

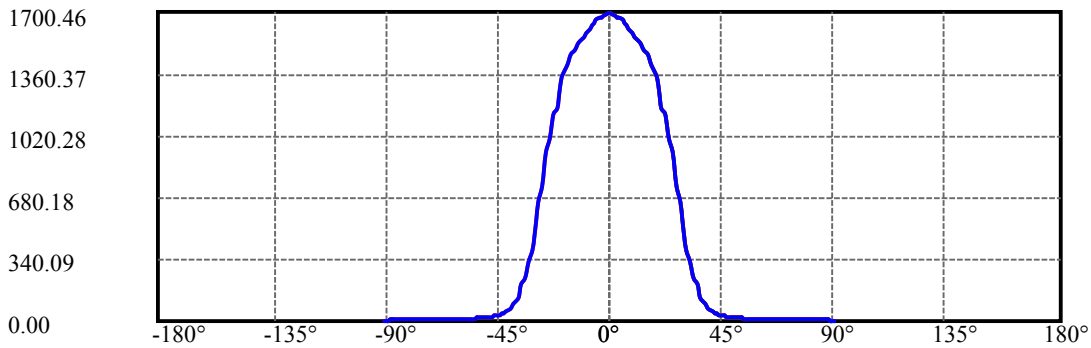
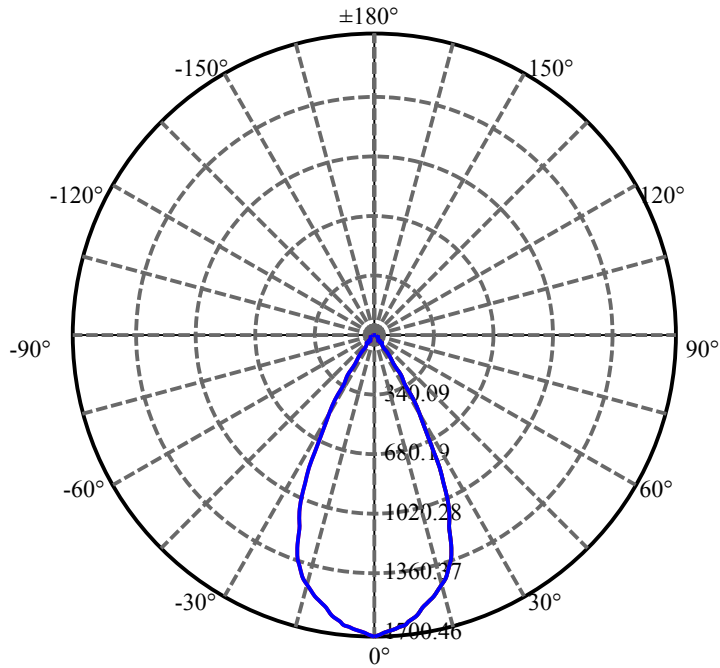
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.321	0.789	1146.539	0.06%	99.21%
77.0	7.127	0.770	1147.31	0.06%	99.28%
78.0	6.905	0.751	1148.061	0.06%	99.35%
79.0	6.691	0.731	1148.791	0.06%	99.41%
80.0	6.456	0.709	1149.5	0.06%	99.47%
81.0	6.276	0.688	1150.188	0.06%	99.53%
82.0	6.075	0.670	1150.858	0.05%	99.59%
83.0	5.895	0.651	1151.509	0.05%	99.64%
84.0	5.729	0.633	1152.142	0.05%	99.70%
85.0	5.563	0.616	1152.759	0.05%	99.75%
86.0	5.411	0.600	1153.358	0.05%	99.80%
87.0	5.286	0.585	1153.944	0.05%	99.86%
88.0	5.148	0.572	1154.515	0.05%	99.90%
89.0	4.996	0.556	1155.071	0.04%	99.95%
90.0	4.961	0.546	1155.617	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	965.25	77.71%	83.53%
0-40	1092.80	87.98%	94.56%
0-60	1131.50	91.09%	97.91%
0-90	1155.07	92.99%	99.95%
0-120	1155.07	92.99%	99.95%
0-180	1155.62	93.03%	100.00%
60-90	23.57	1.90%	2.04%
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%
0-28.59	924.49	74.43%	80.00%

ZONAL LUMEN SUMMARY

0-10	155.14
10-20	406.14
20-30	403.97
30-40	127.55
40-50	25.58
50-60	13.11
60-70	10.00
70-80	8.00
80-90	5.57
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



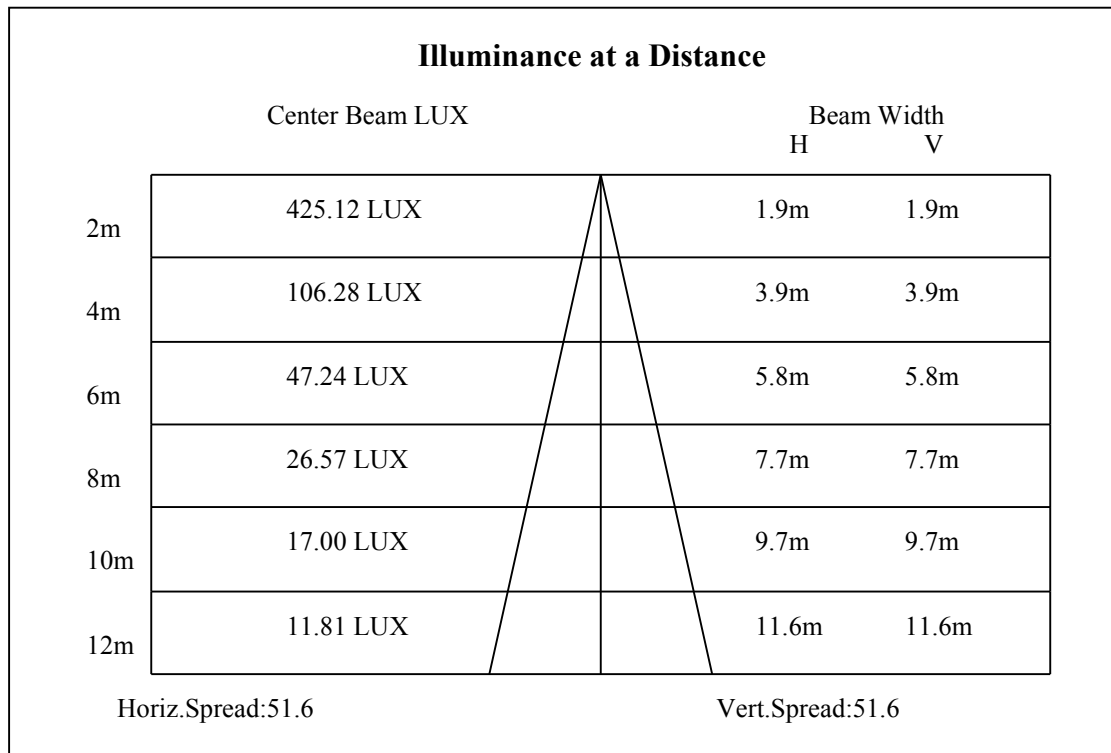
C0(Max): —————

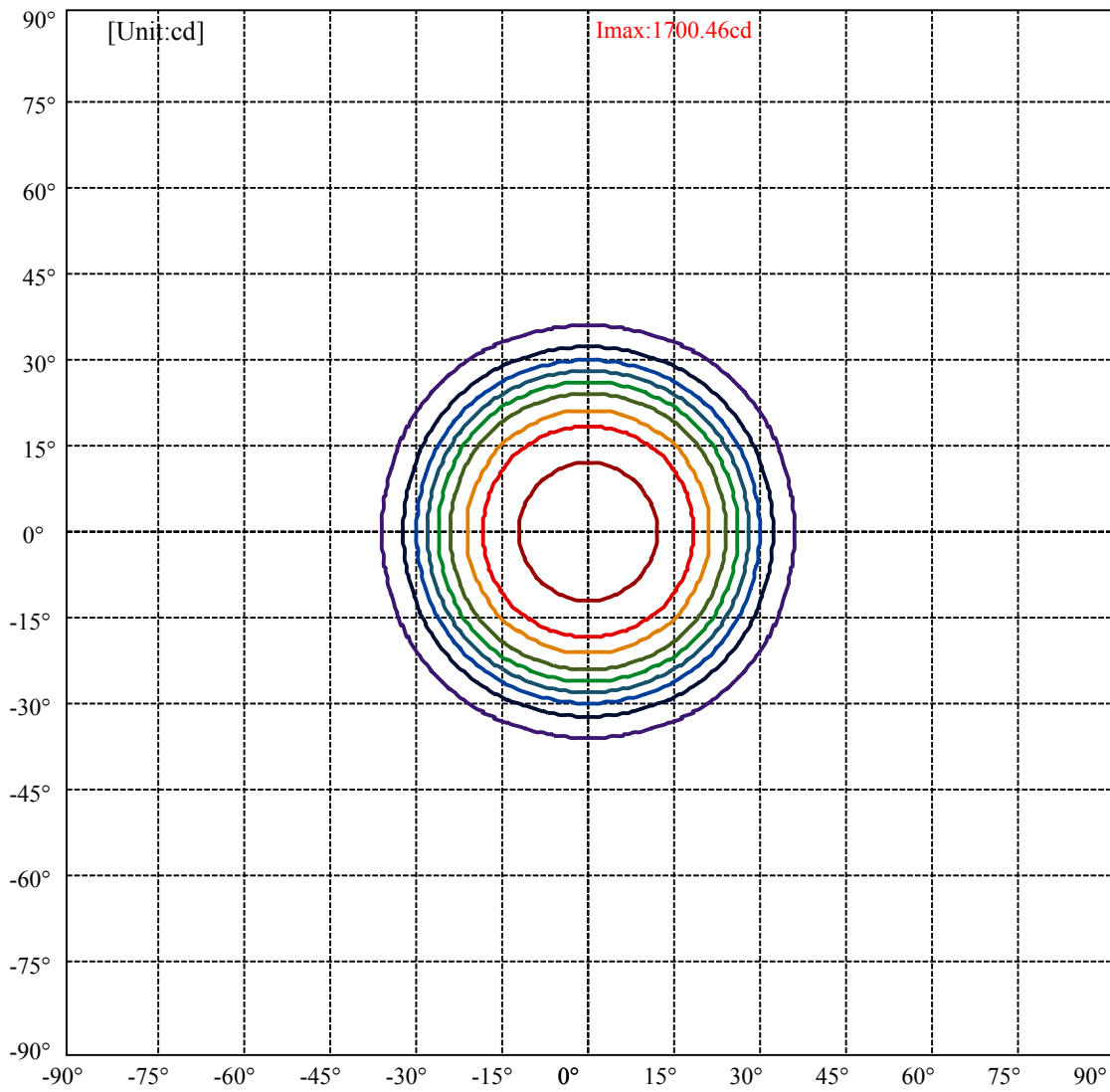
C0/C180: —————

C90/C270: —————

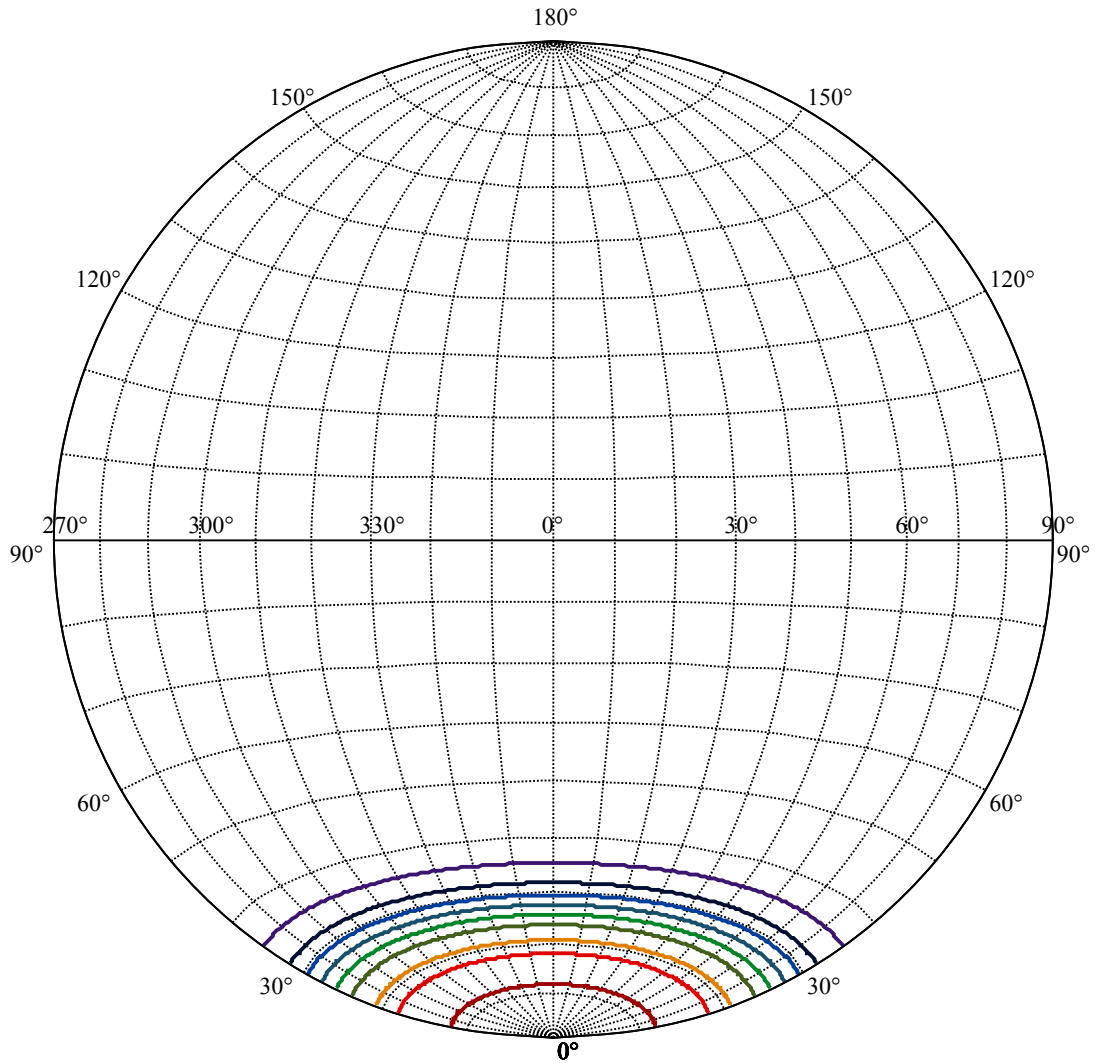
Field angle(10%Imax):C0/180Left:35.5 Right:35.5
:C90/270Left:35.5 Right:35.5

Beam Angle(50%Imax):C0/180Left:25.8 Right:25.8
:C90/270Left:25.8 Right:25.8





(10%Imax) 170.046	—
(20%Imax) 340.092	—
(30%Imax) 510.139	—
(40%Imax) 680.185	—
(50%Imax) 850.231	—
(60%Imax) 1020.28	—
(70%Imax) 1190.32	—
(80%Imax) 1360.37	—
(90%Imax) 1530.42	—



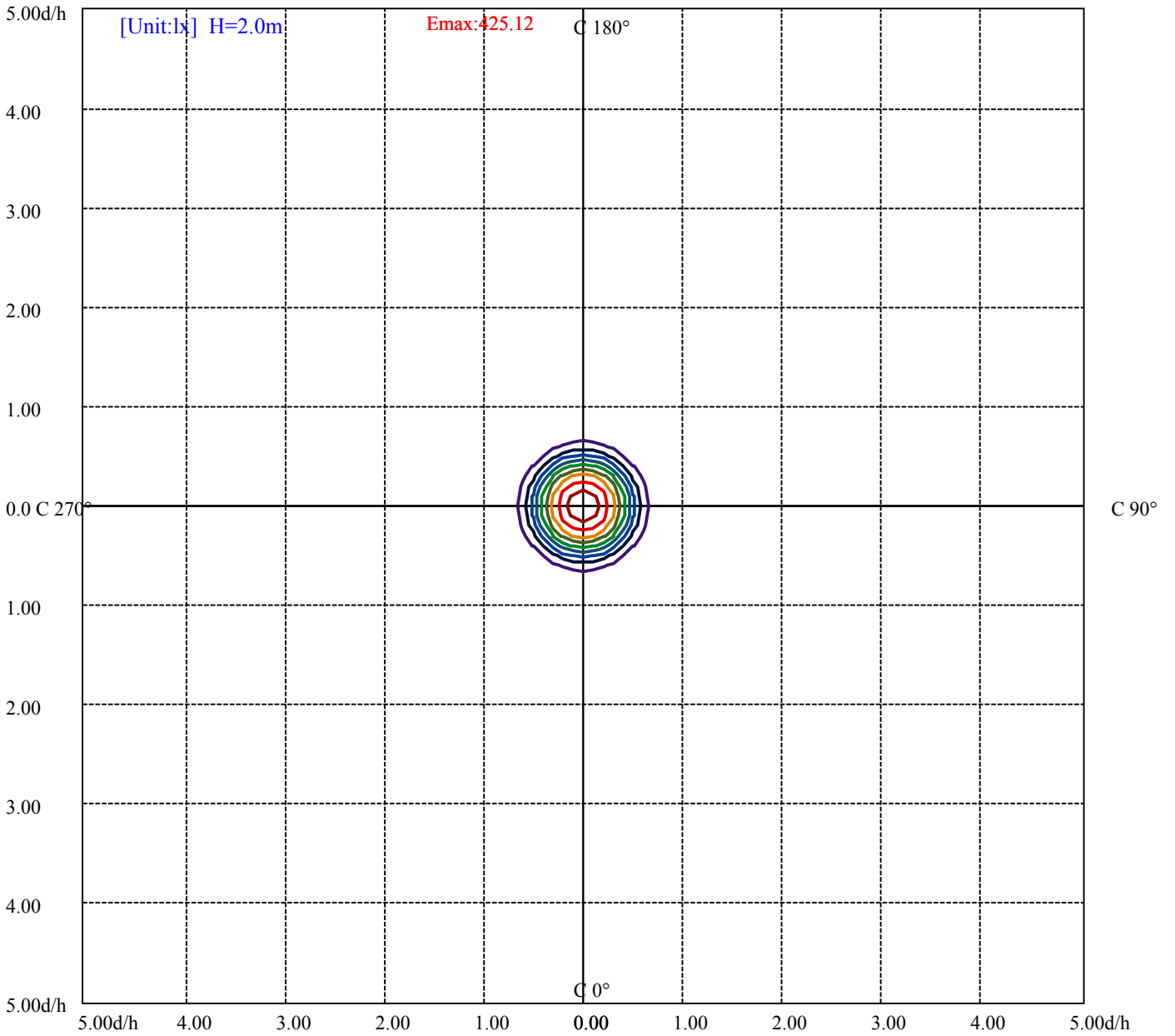
House

[Unit:cd]

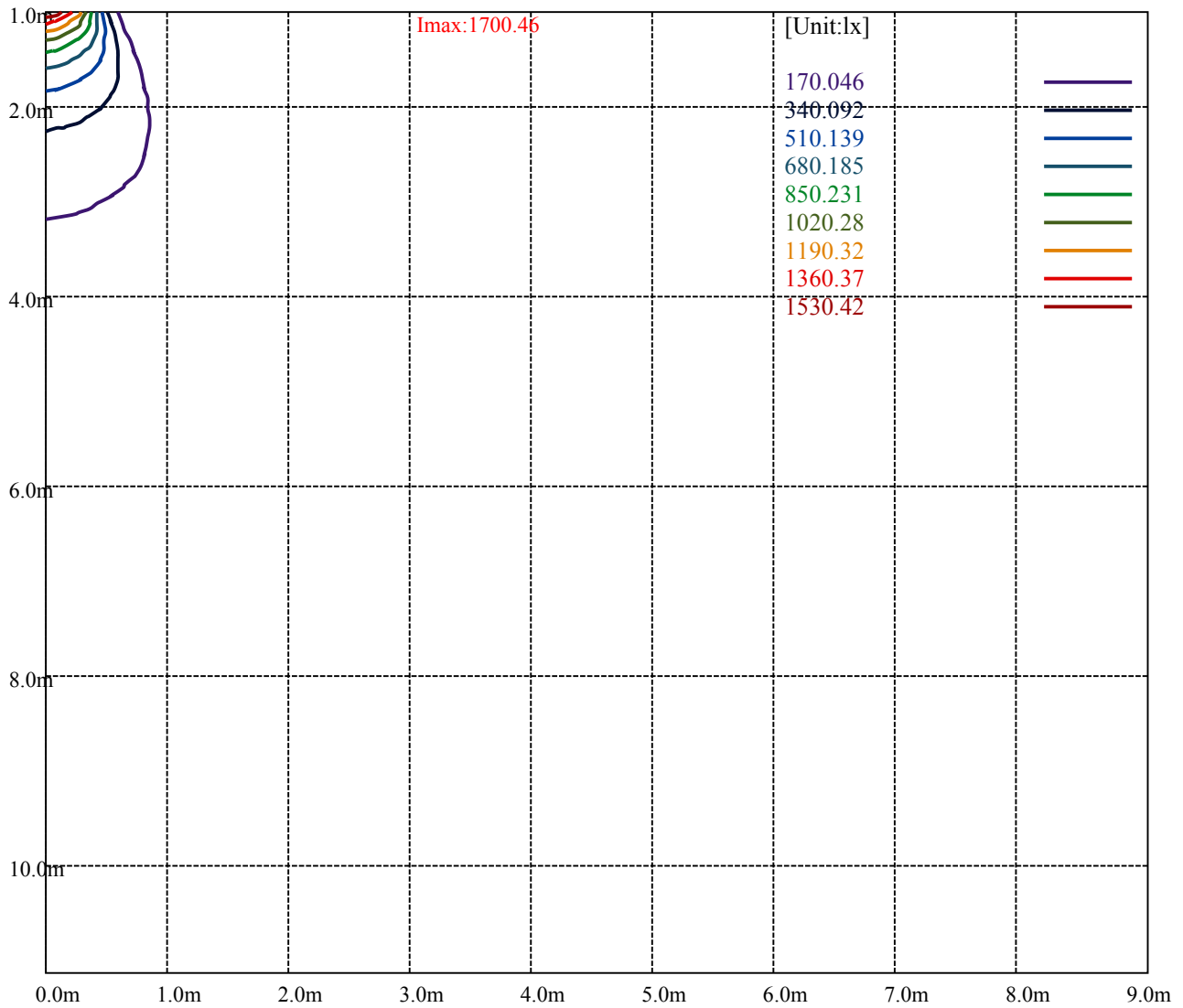
Road

Imax:1700.46

(10%Imax) 170.046	—
(20%Imax) 340.092	—
(30%Imax) 510.139	—
(40%Imax) 680.185	—
(50%Imax) 850.231	—
(60%Imax) 1020.28	—
(70%Imax) 1190.32	—
(80%Imax) 1360.37	—
(90%Imax) 1530.42	—



- (10%Emax) 42.5115
- (20%Emax) 85.023
- (30%Emax) 127.5345
- (40%Emax) 170.046
- (50%Emax) 212.5578
- (60%Emax) 255.07
- (70%Emax) 297.58
- (80%Emax) 340.0925
- (90%Emax) 382.6025



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

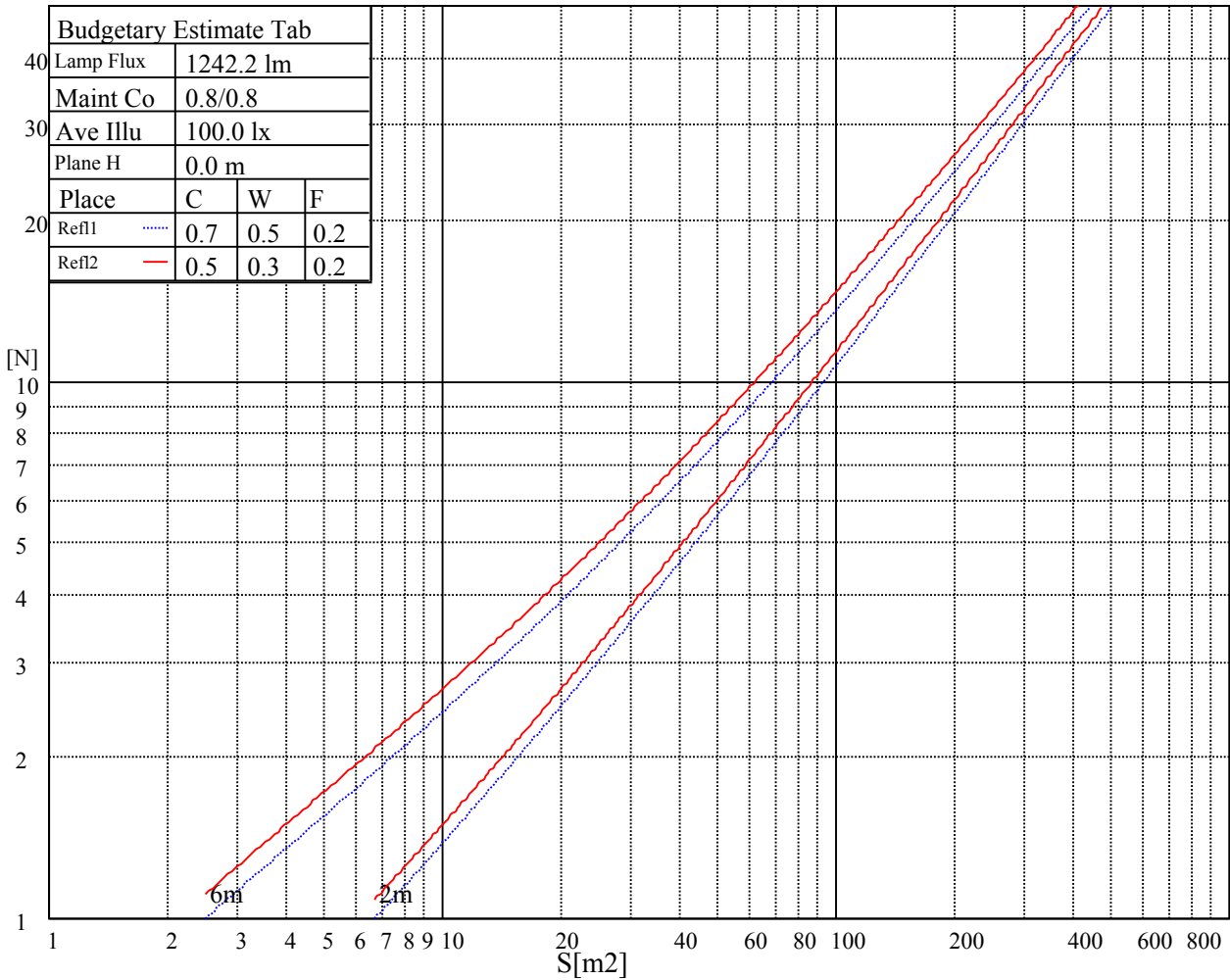
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

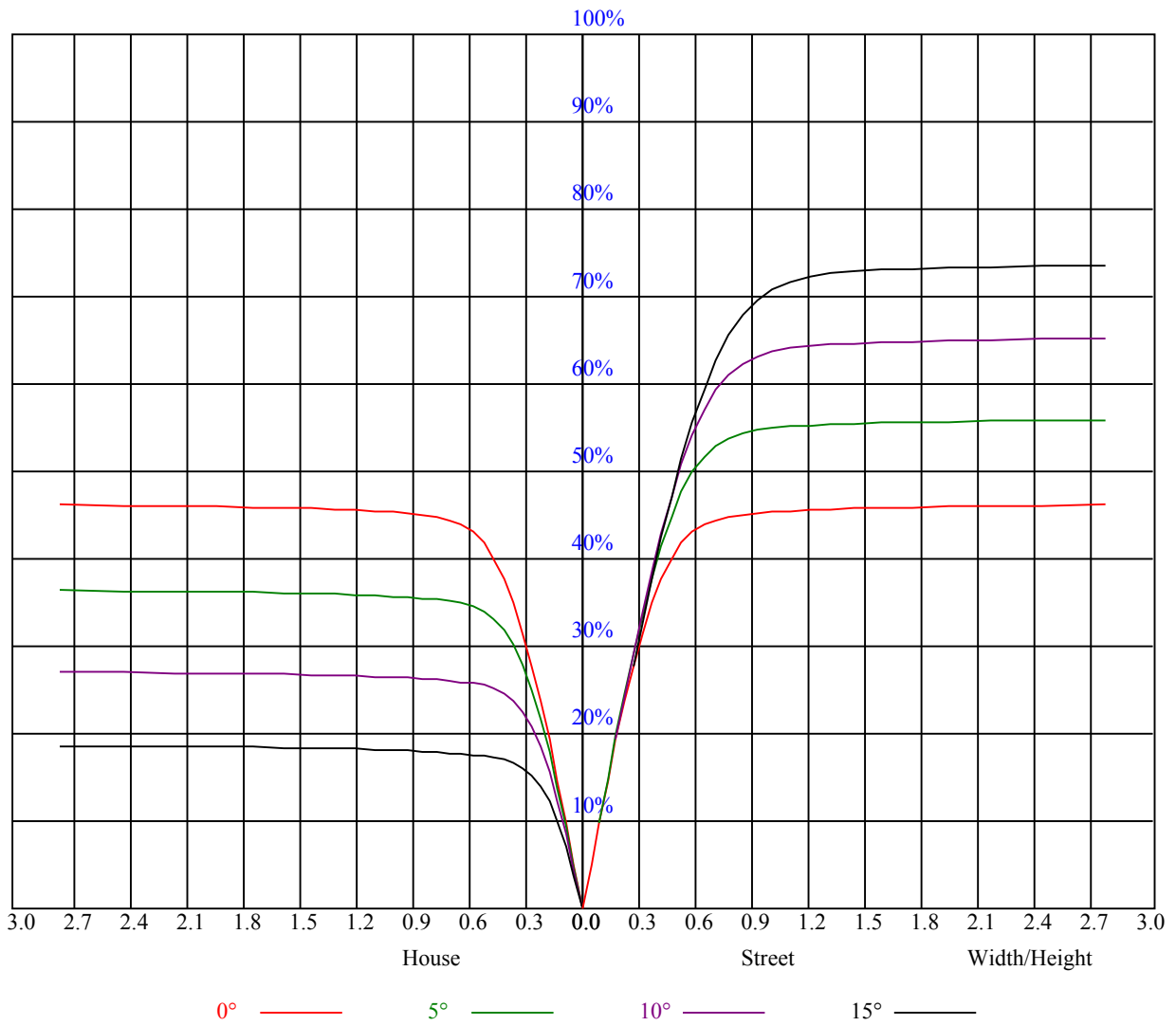


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.79	0.83	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.76	0.82	0.79	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.72
5	0.81	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.68
6	0.76	0.71	0.67	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
7	0.72	0.67	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.55
10	0.62	0.57	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	0.52



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	1696.03	1682.20	1679.98	1674.45	1660.61	1647.88	1632.38	1619.09	1603.59
45.0	1704.89	1704.34	1688.84	1675.00	1677.77	1675.55	1657.29	1647.88	1622.97
90.0	1704.89	1673.89	1666.14	1671.68	1668.36	1650.64	1643.45	1637.36	1624.63
135.0	1696.03	1689.39	1668.91	1659.50	1661.72	1658.39	1647.88	1639.57	1623.52
180.0	1696.03	1705.44	1691.61	1673.89	1662.27	1659.50	1647.88	1633.48	1610.79
225.0	1704.89	1678.87	1664.48	1660.05	1653.41	1641.23	1622.97	1598.61	1576.47
270.0	1704.89	1705.44	1683.30	1667.25	1668.91	1664.48	1646.77	1632.38	1614.11
315.0	1696.03	1684.41	1670.02	1669.46	1661.16	1648.43	1635.70	1617.99	1596.95
360.0	1696.03	1682.20	1679.98	1674.45	1660.61	1647.88	1632.38	1619.09	1603.59
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1577.02	1562.08	1547.13	1528.87	1496.21	1472.41	1438.64	1408.20	1373.88
45.0	1601.93	1587.54	1564.29	1547.69	1528.31	1512.81	1492.33	1470.75	1441.41
90.0	1599.72	1575.92	1557.65	1539.94	1519.46	1493.44	1469.64	1443.07	1412.07
135.0	1610.79	1589.20	1568.17	1544.37	1528.31	1507.83	1471.85	1437.53	1404.32
180.0	1595.84	1577.02	1556.54	1536.06	1517.80	1507.28	1483.48	1450.26	1423.14
225.0	1551.01	1528.31	1508.94	1495.65	1478.49	1454.14	1435.32	1410.96	1389.38
270.0	1585.33	1561.53	1537.72	1510.05	1487.35	1473.51	1457.46	1438.09	1405.98
315.0	1573.70	1553.78	1538.28	1521.12	1495.65	1477.94	1455.80	1419.27	1391.04
360.0	1577.02	1562.08	1547.13	1528.87	1496.21	1472.41	1438.64	1408.20	1373.88
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1320.74	1274.24	1094.17	1094.17	1058.31	980.98	900.44	818.57	708.47
45.0	1413.73	1381.63	1340.11	1279.78	1222.21	1155.78	1071.09	995.81	918.87
90.0	1374.98	1325.72	1276.45	1104.36	1104.36	1069.60	994.21	914.66	805.51
135.0	1362.81	1326.27	1277.56	1228.30	1174.05	1110.39	1016.29	936.03	850.78
180.0	1386.61	1353.40	1315.20	1262.62	1211.14	1150.25	1091.02	999.69	917.21
225.0	1347.31	1303.02	1238.81	1102.03	1102.03	1036.44	965.09	888.76	782.70
270.0	1377.75	1343.99	1286.97	1234.94	1165.19	1107.63	1046.74	957.06	877.35
315.0	1347.86	1301.36	1250.99	1095.06	1095.06	1041.31	969.74	892.19	790.89
360.0	1320.74	1274.24	1094.17	1094.17	1058.31	980.98	900.44	818.57	708.47
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	617.19	531.78	453.24	366.39	306.88	255.35	201.65	165.56	129.42
45.0	812.59	720.70	629.37	525.86	450.02	381.39	306.11	279.54	279.54
90.0	715.45	603.46	522.43	445.65	361.46	301.95	251.08	195.73	157.48
135.0	763.88	675.87	566.82	488.22	395.78	331.01	288.39	288.39	179.29
180.0	831.96	745.06	637.12	553.54	473.27	383.05	320.50	280.09	280.09
225.0	695.91	607.78	525.64	429.49	360.74	300.57	250.03	194.29	158.20
270.0	790.45	699.12	588.96	508.70	433.42	365.33	304.44	290.61	228.61
315.0	703.60	615.31	528.24	432.70	364.23	304.56	241.56	199.38	163.51
360.0	617.19	531.78	453.24	366.39	306.88	255.35	201.65	165.56	129.42
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	106.67	88.23	73.62	59.23	50.48	43.34	37.53	31.88	28.45
45.0	166.89	128.48	104.18	85.02	70.08	56.18	48.05	41.74	35.70
90.0	126.59	103.07	84.64	67.03	56.52	48.49	40.96	36.26	32.44
135.0	148.29	116.46	97.15	81.04	68.14	55.80	47.99	41.74	36.64
180.0	173.64	142.92	112.04	92.66	77.33	64.71	52.42	44.78	38.69
225.0	127.76	98.53	80.98	67.48	54.58	46.61	40.52	34.65	30.89
270.0	156.82	120.67	98.75	78.60	66.20	56.41	46.88	41.13	36.48
315.0	126.70	104.29	87.07	70.08	59.51	50.87	44.06	37.14	32.66
360.0	106.67	88.23	73.62	59.23	50.48	43.34	37.53	31.88	28.45

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	25.68	23.53	21.26	19.76	18.21	17.16	16.27	15.28	14.61
45.0	31.83	28.78	25.52	23.41	21.53	19.65	18.38	17.33	16.44
90.0	28.51	25.96	23.30	21.53	19.98	18.65	17.33	16.44	15.67
135.0	32.55	28.62	26.07	23.41	21.59	20.09	18.49	17.44	16.50
180.0	34.04	29.45	26.68	24.36	22.09	20.43	19.10	17.60	16.61
225.0	27.73	25.24	22.69	20.98	19.54	18.27	16.94	16.05	15.22
270.0	32.66	28.84	26.24	24.08	22.25	20.26	18.99	17.82	16.61
315.0	29.23	26.35	23.58	21.70	20.15	18.49	17.38	16.22	15.39
360.0	25.68	23.53	21.26	19.76	18.21	17.16	16.27	15.28	14.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.00	13.34	12.90	12.40	12.01	11.57	11.24	10.90	10.63
45.0	15.44	14.72	14.06	13.51	12.90	12.40	11.96	11.46	11.07
90.0	14.89	14.12	13.56	13.06	12.57	12.01	11.68	11.18	10.90
135.0	15.44	14.72	14.12	13.51	12.90	12.45	12.01	11.62	11.18
180.0	15.55	14.78	14.17	13.56	12.95	12.51	12.07	11.68	11.35
225.0	14.39	13.78	13.12	12.62	12.23	11.79	11.35	11.02	10.68
270.0	15.78	15.00	14.17	13.62	13.01	12.51	12.07	11.68	11.35
315.0	14.67	14.06	13.34	12.84	12.45	12.01	11.51	11.24	10.85
360.0	14.00	13.34	12.90	12.40	12.01	11.57	11.24	10.90	10.63
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.24	10.02	9.69	9.47	9.24	8.91	8.69	8.52	8.30
45.0	10.74	10.46	10.13	9.85	9.58	9.35	9.08	8.80	8.58
90.0	10.57	10.24	9.91	9.69	9.35	9.13	8.91	8.69	8.47
135.0	10.85	10.57	10.19	9.91	9.63	9.35	9.13	8.86	8.64
180.0	10.90	10.57	10.24	9.91	9.69	9.41	9.13	8.97	8.64
225.0	10.35	10.02	9.74	9.47	9.24	8.97	8.75	8.47	8.25
270.0	10.90	10.57	10.30	9.96	9.69	9.47	9.19	8.86	8.64
315.0	10.52	10.19	9.96	9.63	9.41	9.13	8.86	8.69	8.41
360.0	10.24	10.02	9.69	9.47	9.24	8.91	8.69	8.52	8.30
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.97	7.75	7.58	7.36	7.09	6.92	6.70	6.42	6.25
45.0	8.36	8.14	7.86	7.64	7.47	7.25	7.03	6.81	6.59
90.0	8.19	7.92	7.75	7.47	7.25	7.09	6.81	6.64	6.37
135.0	8.36	8.14	7.86	7.69	7.47	7.25	7.03	6.81	6.59
180.0	8.41	8.19	7.97	7.69	7.47	7.31	7.09	6.81	6.64
225.0	8.08	7.80	7.58	7.36	7.09	6.86	6.70	6.53	6.25
270.0	8.36	8.14	7.92	7.64	7.47	7.25	7.03	6.81	6.53
315.0	8.19	7.92	7.69	7.53	7.25	7.09	6.86	6.70	6.42
360.0	7.97	7.75	7.58	7.36	7.09	6.92	6.70	6.42	6.25
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.09	5.87	5.70	5.54	5.42	5.26	5.15	4.98	4.87
45.0	6.37	6.14	5.98	5.81	5.65	5.48	5.31	5.20	5.04
90.0	6.20	6.03	5.87	5.70	5.54	5.37	5.26	5.15	4.98
135.0	6.37	6.20	5.98	5.76	5.65	5.48	5.37	5.20	5.04
180.0	6.42	6.20	5.98	5.87	5.65	5.48	5.37	5.20	5.04
225.0	6.14	5.92	5.76	5.59	5.42	5.31	5.20	5.04	4.93
270.0	6.37	6.14	5.98	5.81	5.65	5.48	5.31	5.20	5.04
315.0	6.25	6.09	5.92	5.76	5.54	5.42	5.31	5.20	5.04
360.0	6.09	5.87	5.70	5.54	5.42	5.26	5.15	4.98	4.87

Intensity data(cd)

C/γ(°)	90.0
0.0	4.93
45.0	4.98
90.0	5.04
135.0	4.98
180.0	4.87
225.0	4.93
270.0	4.98
315.0	4.98
360.0	4.93