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NT

Client:

LumCAT: 1-1379-L

Luminaire: 92.70.427.00

Report No: 20231113-B010

Ballast type: AC

Test No: 20231113-C010

Voltage(V): 34.480

LampCAT: Fortimo_SLM_C_1203

Current(A): 0.216

Lamp flux(lm): 1241.8

Power (W): 7.447

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1132.82, Efficiency(%): 91.22% , Luminous Efficacy(lm/W): 152.12

Central intensity(cd): 2570.760, Maximum intensity(cd): 2572.351

Angle of maximum intensity: C=0.0 γ =3.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=61.6

[C90/270]Total=61.6

Beam angle of C0 plane : 37.07

Aveage BeamAngle(IEC 61341):37.07

Maximum s/h(1/2): C0_180=0.62 C90_270=0.62

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.22%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.082%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
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	2570.760	0.000	0	0.00%	0.00%
1.0	2569.791	2.460	2.46	0.20%	0.22%
2.0	2569.860	7.377	9.837	0.59%	0.87%
3.0	2572.351	12.298	22.135	0.99%	1.95%
4.0	2565.293	17.197	39.332	1.38%	3.47%
5.0	2544.605	21.983	61.315	1.77%	5.41%
6.0	2509.455	26.560	87.875	2.14%	7.76%
7.0	2462.336	30.860	118.735	2.49%	10.48%
8.0	2404.353	34.830	153.565	2.80%	13.56%
9.0	2334.261	38.404	191.969	3.09%	16.95%
10.0	2265.554	41.627	233.596	3.35%	20.62%
11.0	2181.347	44.434	278.029	3.58%	24.54%
12.0	2088.284	46.673	324.702	3.76%	28.66%
13.0	1987.333	48.367	373.07	3.89%	32.93%
14.0	1882.022	49.527	422.597	3.99%	37.30%
15.0	1768.409	50.115	472.712	4.04%	41.73%
16.0	1652.443	50.125	522.837	4.04%	46.15%
17.0	1524.231	49.469	572.306	3.98%	50.52%
18.0	1358.640	47.532	619.839	3.83%	54.72%
19.0	1223.460	44.923	664.762	3.62%	58.68%
20.0	1147.452	43.394	708.156	3.49%	62.51%
21.0	1043.561	42.072	750.228	3.39%	66.23%
22.0	932.978	39.719	789.947	3.20%	69.73%
23.0	824.651	36.880	826.827	2.97%	72.99%
24.0	726.800	33.920	860.748	2.73%	75.98%
25.0	633.923	30.940	891.687	2.49%	78.71%
26.0	547.143	27.879	919.567	2.25%	81.18%
27.0	471.246	24.915	944.482	2.01%	83.37%
28.0	404.130	22.163	966.644	1.78%	85.33%
29.0	340.556	19.483	986.127	1.57%	87.05%
30.0	284.351	16.872	1003	1.36%	88.54%
31.0	250.129	14.874	1017.874	1.20%	89.85%
32.0	219.968	13.468	1031.341	1.08%	91.04%
33.0	160.214	11.200	1042.542	0.90%	92.03%
34.0	130.918	8.811	1051.352	0.71%	92.81%
35.0	107.746	7.412	1058.764	0.60%	93.46%
36.0	89.133	6.269	1065.033	0.50%	94.02%
37.0	73.406	5.301	1070.334	0.43%	94.48%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	60.107	4.456	1074.79	0.36%	94.88%
39.0	49.625	3.745	1078.536	0.30%	95.21%
40.0	41.716	3.186	1081.722	0.26%	95.49%
41.0	35.835	2.762	1084.483	0.22%	95.73%
42.0	31.102	2.432	1086.915	0.20%	95.95%
43.0	27.518	2.171	1089.086	0.17%	96.14%
44.0	24.556	1.965	1091.052	0.16%	96.31%
45.0	22.218	1.798	1092.849	0.14%	96.47%
46.0	20.301	1.663	1094.512	0.13%	96.62%
47.0	18.723	1.552	1096.064	0.12%	96.76%
48.0	17.423	1.461	1097.525	0.12%	96.88%
49.0	16.343	1.387	1098.912	0.11%	97.01%
50.0	15.354	1.322	1100.234	0.11%	97.12%
51.0	14.482	1.262	1101.496	0.10%	97.24%
52.0	13.714	1.210	1102.706	0.10%	97.34%
53.0	13.036	1.164	1103.869	0.09%	97.44%
54.0	12.441	1.123	1104.992	0.09%	97.54%
55.0	11.901	1.087	1106.079	0.09%	97.64%
56.0	11.431	1.054	1107.133	0.08%	97.73%
57.0	11.022	1.027	1108.16	0.08%	97.82%
58.0	10.600	1.000	1109.16	0.08%	97.91%
59.0	10.268	0.976	1110.135	0.08%	98.00%
60.0	9.957	0.955	1111.091	0.08%	98.08%
61.0	9.666	0.936	1112.027	0.08%	98.16%
62.0	9.376	0.918	1112.945	0.07%	98.25%
63.0	9.106	0.899	1113.844	0.07%	98.33%
64.0	8.863	0.882	1114.725	0.07%	98.40%
65.0	8.656	0.867	1115.592	0.07%	98.48%
66.0	8.435	0.853	1116.445	0.07%	98.55%
67.0	8.220	0.837	1117.283	0.07%	98.63%
68.0	8.033	0.823	1118.106	0.07%	98.70%
69.0	7.860	0.811	1118.917	0.07%	98.77%
70.0	7.694	0.799	1119.716	0.06%	98.84%
71.0	7.528	0.787	1120.502	0.06%	98.91%
72.0	7.355	0.774	1121.276	0.06%	98.98%
73.0	7.161	0.759	1122.035	0.06%	99.05%
74.0	6.988	0.744	1122.779	0.06%	99.11%
75.0	6.829	0.730	1123.509	0.06%	99.18%

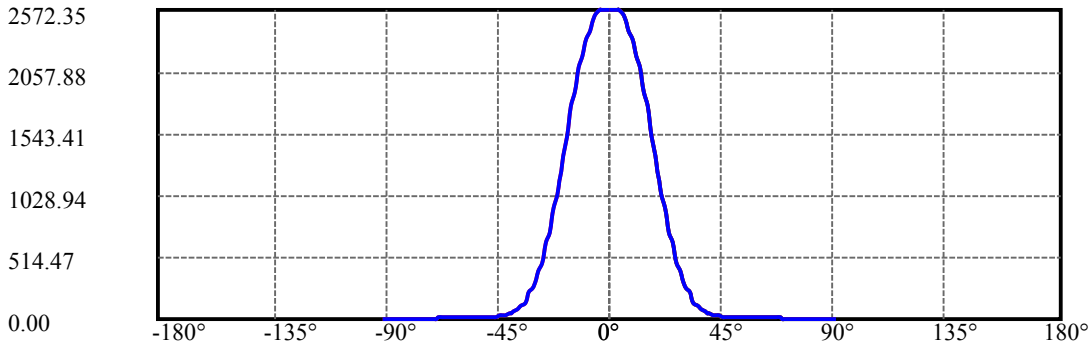
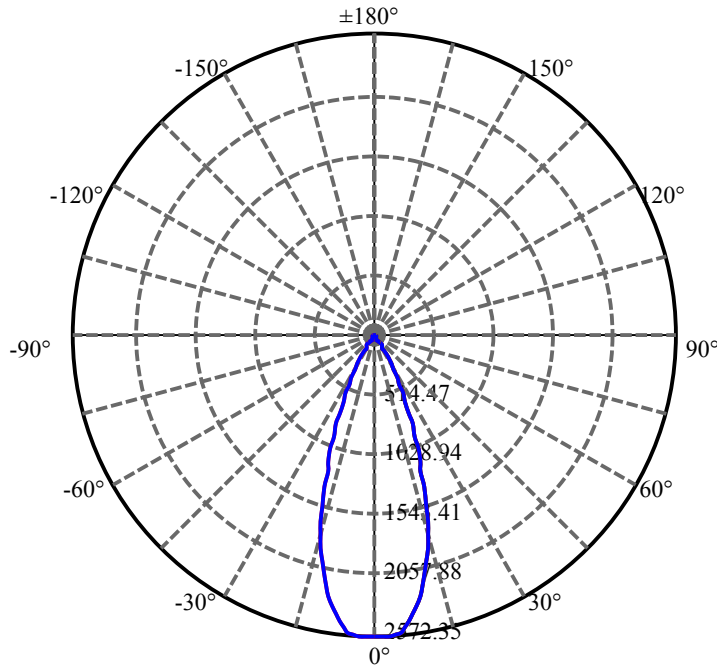
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.677	0.717	1124.226	0.06%	99.24%
77.0	6.497	0.702	1124.929	0.06%	99.30%
78.0	6.345	0.687	1125.616	0.06%	99.36%
79.0	6.151	0.671	1126.287	0.05%	99.42%
80.0	6.034	0.657	1126.944	0.05%	99.48%
81.0	5.888	0.645	1127.589	0.05%	99.54%
82.0	5.750	0.631	1128.22	0.05%	99.59%
83.0	5.605	0.617	1128.837	0.05%	99.65%
84.0	5.466	0.603	1129.441	0.05%	99.70%
85.0	5.362	0.591	1130.032	0.05%	99.75%
86.0	5.210	0.578	1130.609	0.05%	99.81%
87.0	5.134	0.566	1131.176	0.05%	99.86%
88.0	5.030	0.557	1131.732	0.04%	99.90%
89.0	4.947	0.547	1132.279	0.04%	99.95%
90.0	4.878	0.539	1132.818	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1003.00	80.77%	88.54%
0-40	1081.72	87.11%	95.49%
0-60	1111.09	89.47%	98.08%
0-90	1132.28	91.18%	99.95%
0-120	1132.28	91.18%	99.95%
0-180	1132.82	91.22%	100.00%
60-90	21.19	1.71%	1.87%
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%
0-25.52	906.25	72.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	233.60
10-20	474.56
20-30	294.84
30-40	78.72
40-50	18.51
50-60	10.86
60-70	8.62
70-80	7.23
80-90	5.33
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: —————

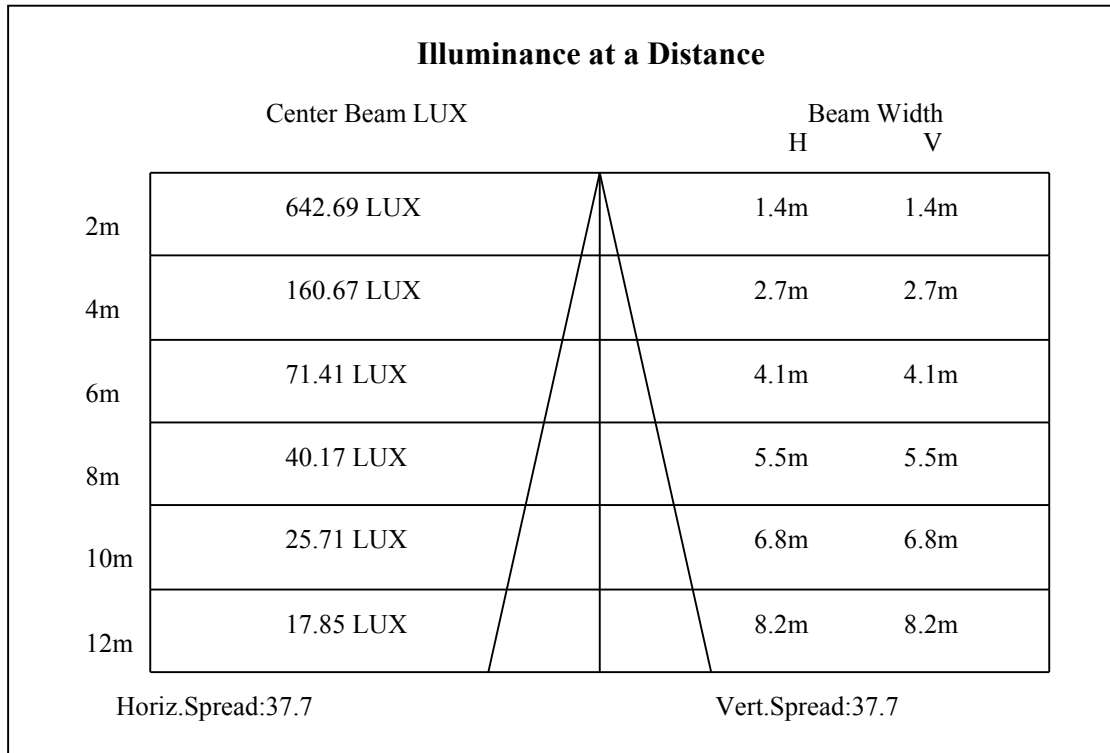
C90/C270: —————

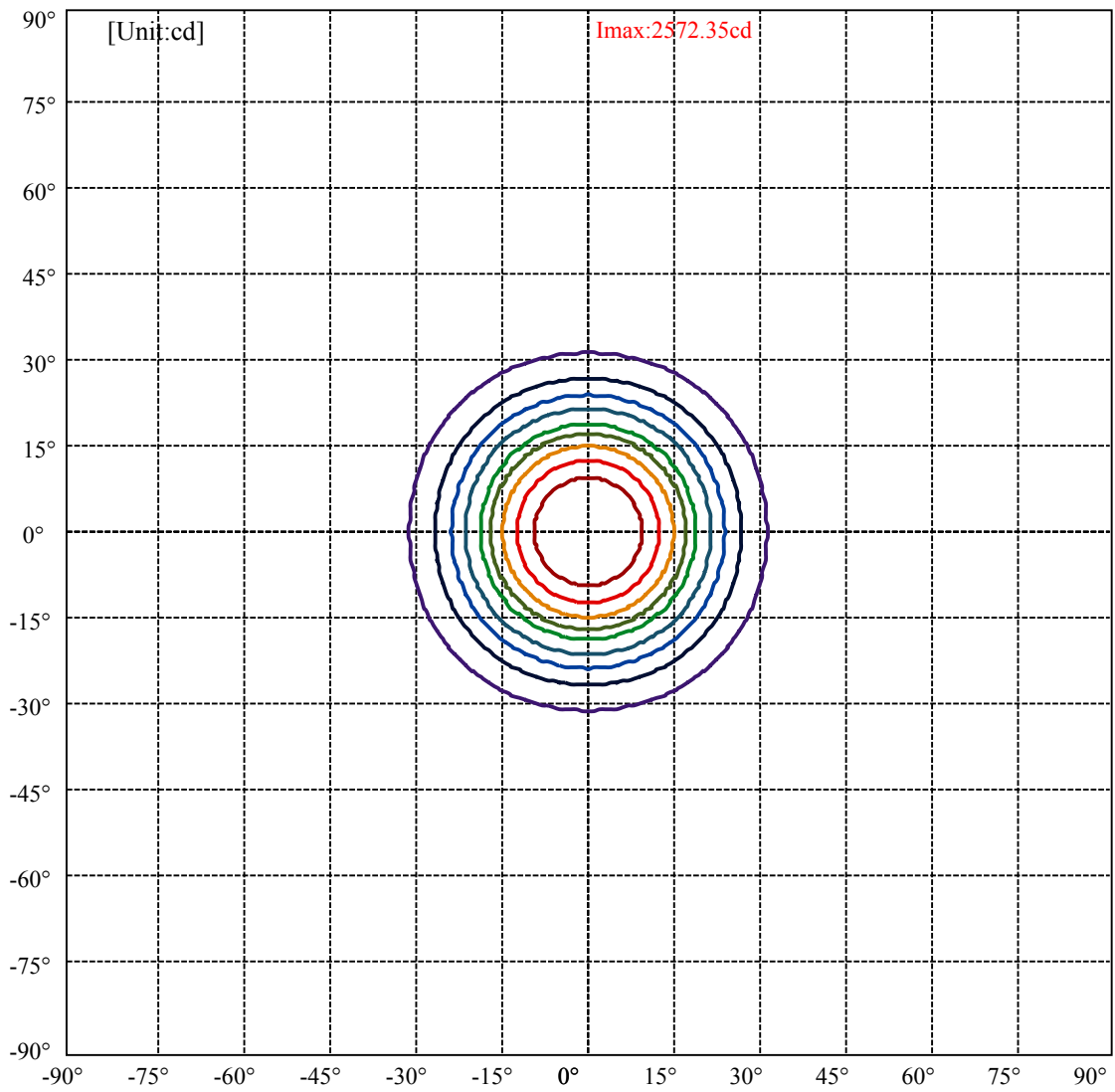
Field angle(10%Imax):C0/180Left:33.8 Right:27.8

:C90/270Left:33.8 Right:27.8

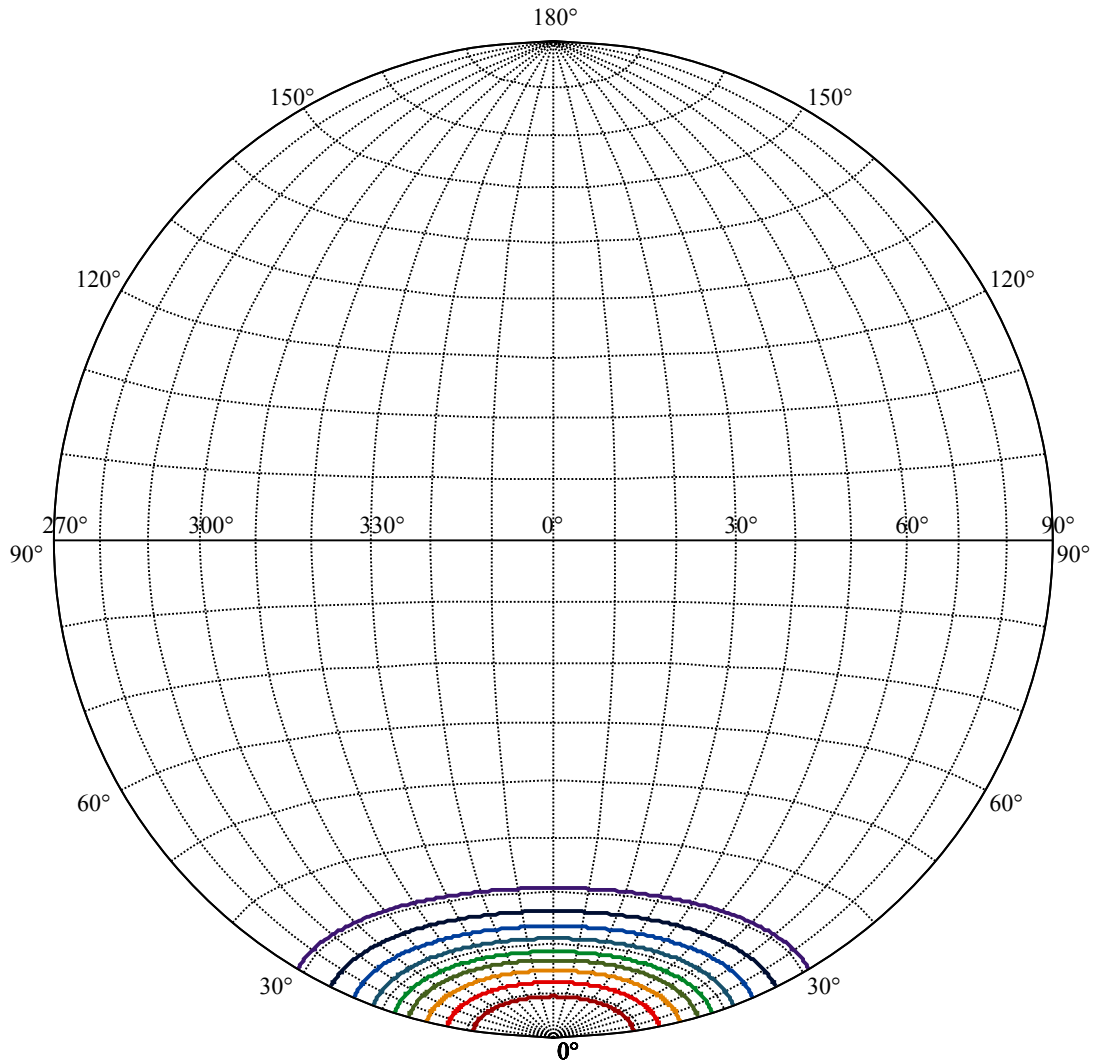
Beam Angle(50%Imax):C0/180Left:21.5 Right:15.5

:C90/270Left:21.5 Right:15.5





(10%Imax) 257.235	—
(20%Imax) 514.47	—
(30%Imax) 771.705	—
(40%Imax) 1028.94	—
(50%Imax) 1286.18	—
(60%Imax) 1543.41	—
(70%Imax) 1800.65	—
(80%Imax) 2057.88	—
(90%Imax) 2315.12	—



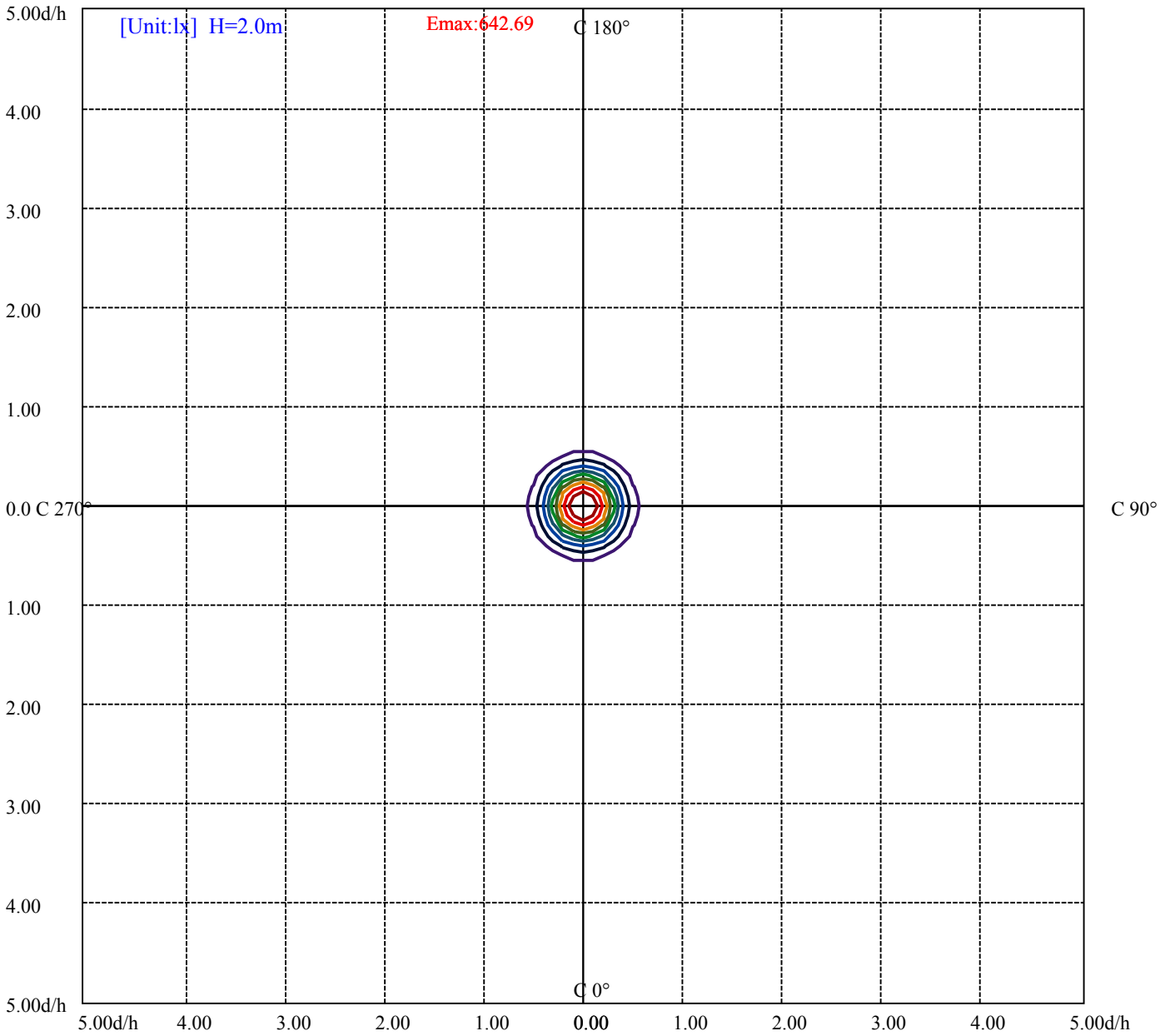
House

[Unit:cd]

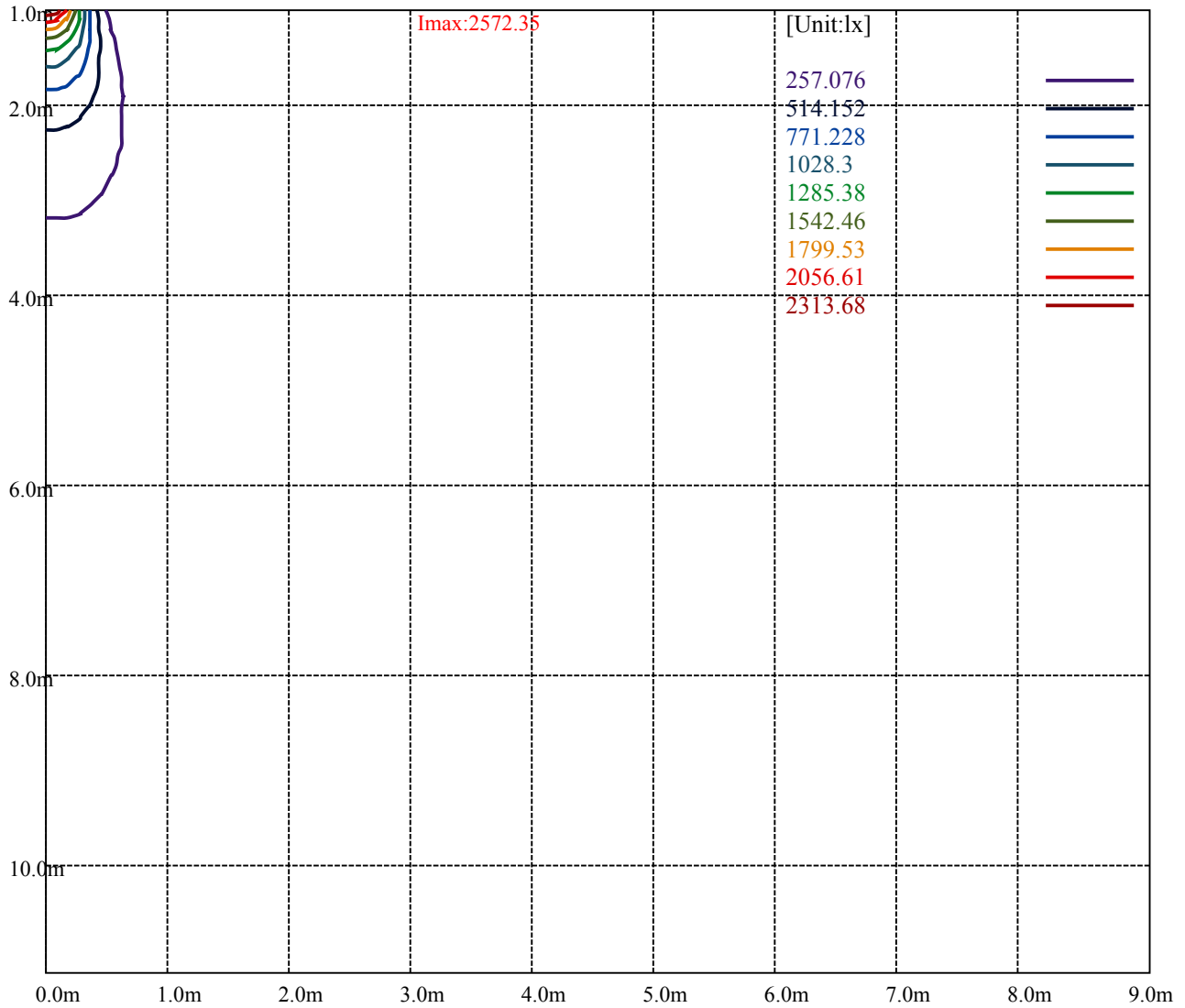
Road

I_{max}:2572.35

- (10%I_{max}) 257.235
- (20%I_{max}) 514.47
- (30%I_{max}) 771.705
- (40%I_{max}) 1028.94
- (50%I_{max}) 1286.18
- (60%I_{max}) 1543.41
- (70%I_{max}) 1800.65
- (80%I_{max}) 2057.88
- (90%I_{max}) 2315.12



- (10%Emax) 64.269
- (20%Emax) 128.538
- (30%Emax) 192.807
- (40%Emax) 257.075
- (50%Emax) 321.345
- (60%Emax) 385.615
- (70%Emax) 449.8825
- (80%Emax) 514.1525
- (90%Emax) 578.42



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

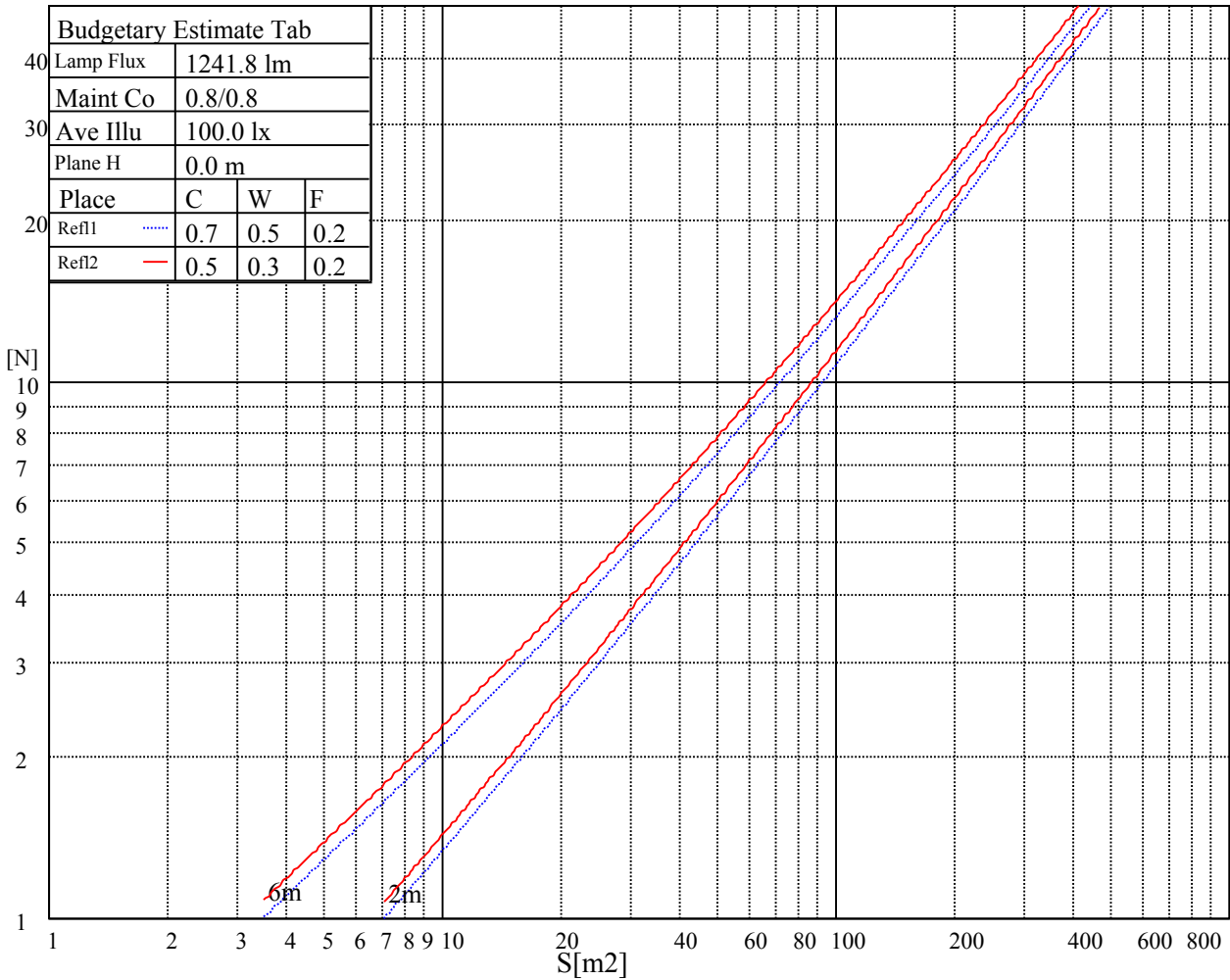
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

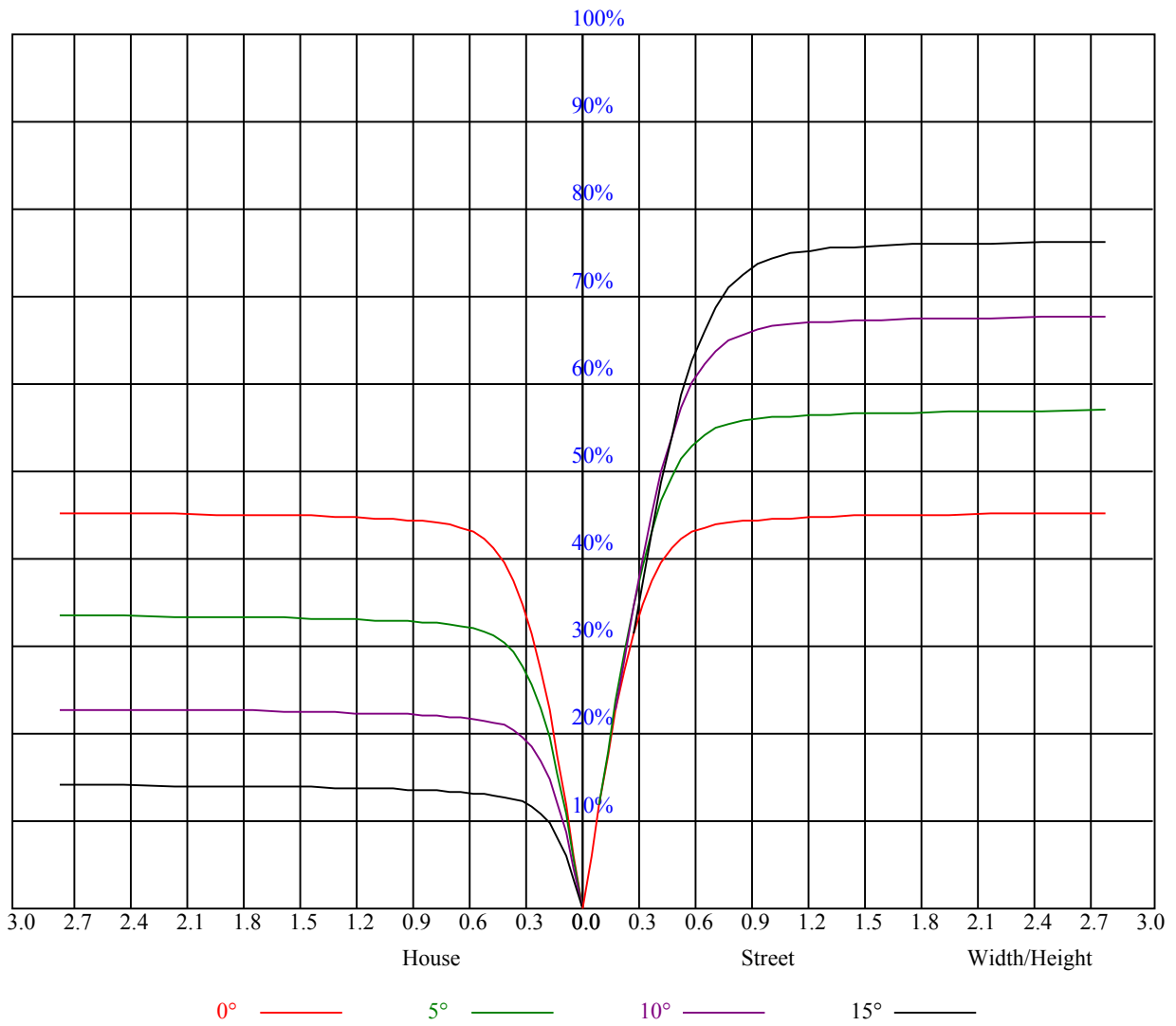


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOF=20 CU															
0	1.09	1.09	1.09	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	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	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	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	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	2571.73	2564.53	2570.07	2567.85	2534.09	2498.66	2449.95	2398.47	2319.87
45.0	2572.84	2563.98	2557.34	2563.43	2568.96	2546.82	2526.34	2478.18	2417.85
90.0	2570.62	2575.05	2583.91	2573.94	2550.69	2528.55	2472.65	2422.27	2357.51
135.0	2567.85	2573.94	2580.03	2587.78	2582.80	2559.55	2529.11	2476.52	2423.38
180.0	2571.73	2574.50	2572.28	2581.14	2591.66	2583.91	2560.10	2526.89	2482.61
225.0	2572.84	2568.41	2569.51	2578.92	2562.87	2540.73	2511.39	2447.18	2394.04
270.0	2570.62	2574.50	2568.41	2562.87	2573.39	2561.21	2529.11	2499.77	2451.61
315.0	2567.85	2563.43	2557.34	2562.87	2557.89	2537.41	2497.00	2449.40	2387.95
360.0	2571.73	2564.53	2570.07	2567.85	2534.09	2498.66	2449.95	2398.47	2319.87
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2247.36	2178.16	2102.33	1993.28	1896.97	1791.24	1655.63	1541.60	1402.11
45.0	2358.06	2291.09	2196.98	2110.08	1996.05	1899.74	1791.80	1678.32	1541.60
90.0	2266.73	2184.81	2096.24	1974.46	1871.51	1738.66	1627.40	1507.28	1398.23
135.0	2362.49	2289.42	2190.90	2105.65	2008.23	1906.38	1767.99	1652.30	1539.38
180.0	2413.42	2356.40	2288.87	2212.48	2107.87	2014.32	1916.34	1805.08	1665.59
225.0	2310.46	2236.84	2153.26	2071.89	1953.43	1856.56	1748.07	1639.02	1496.21
270.0	2389.06	2322.64	2249.57	2153.81	2065.80	1973.91	1869.84	1764.12	1630.16
315.0	2326.51	2265.07	2172.63	2084.62	1998.82	1875.38	1770.21	1631.82	1520.56
360.0	2247.36	2178.16	2102.33	1993.28	1896.97	1791.24	1655.63	1541.60	1402.11
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1094.01	1094.01	1066.94	934.04	830.91	732.16	645.31	547.61	473.94
45.0	1429.23	1319.08	1206.71	1071.65	963.15	861.86	767.20	654.83	575.68
90.0	1094.56	1094.56	1038.88	935.03	815.86	726.18	641.33	565.05	476.59
135.0	1393.25	1280.33	1138.07	1029.02	926.07	826.98	712.95	627.71	549.66
180.0	1548.79	1400.45	1272.58	1164.09	1029.02	913.33	813.14	724.58	610.00
225.0	1383.29	1094.89	1094.89	1013.97	909.13	811.04	694.85	608.11	513.52
270.0	1514.47	1400.45	1257.63	1151.91	1047.29	908.91	815.91	703.54	616.64
315.0	1411.52	1103.92	1103.92	1048.78	942.40	816.74	723.69	639.94	561.12
360.0	1094.01	1094.01	1066.94	934.04	830.91	732.16	645.31	547.61	473.94
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	406.79	347.40	282.36	238.74	201.21	161.80	135.45	107.61	89.45
45.0	484.90	420.13	362.01	298.36	286.73	286.73	176.69	141.37	116.96
90.0	414.43	357.53	295.86	252.02	202.76	169.05	140.49	115.74	91.61
135.0	475.49	394.12	337.10	286.18	286.18	191.52	160.36	127.70	106.17
180.0	535.82	465.52	400.76	326.03	287.84	287.84	180.78	151.50	120.62
225.0	441.89	377.84	320.05	257.12	215.27	179.29	149.95	119.79	99.36
270.0	540.80	468.29	384.15	326.59	287.84	287.84	180.62	151.78	127.53
315.0	469.84	402.20	342.14	289.78	233.20	195.67	157.37	131.85	110.26
360.0	406.79	347.40	282.36	238.74	201.21	161.80	135.45	107.61	89.45
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	74.62	62.33	50.04	42.23	36.31	31.83	27.51	24.80	22.58
45.0	97.03	80.87	64.38	53.91	45.45	37.64	32.88	29.23	25.63
90.0	75.95	63.27	50.76	42.90	36.81	32.16	27.73	24.96	22.64
135.0	88.18	70.02	58.29	48.93	40.08	34.82	30.78	27.62	24.36
180.0	100.13	83.20	69.41	55.58	46.55	39.36	33.99	29.01	26.02
225.0	82.59	68.64	54.86	46.11	37.64	32.66	28.78	24.91	22.58
270.0	106.67	85.58	72.02	58.34	49.54	42.73	36.09	31.94	28.45
315.0	87.90	73.34	61.11	48.99	41.35	35.48	31.05	27.68	24.19
360.0	74.62	62.33	50.04	42.23	36.31	31.83	27.51	24.80	22.58

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	20.76	18.88	17.60	16.27	15.39	14.56	13.73	13.06	12.57
45.0	23.36	21.09	19.54	18.16	17.10	16.05	15.00	14.23	13.56
90.0	20.37	18.93	17.33	16.33	15.33	14.61	13.73	13.06	12.51
135.0	22.20	20.48	19.04	17.49	16.38	15.50	14.50	13.78	13.01
180.0	23.53	21.53	19.54	18.16	16.77	15.83	14.95	14.06	13.34
225.0	20.59	18.71	17.49	16.38	15.44	14.50	13.78	13.12	12.51
270.0	24.91	22.53	20.76	19.32	18.05	16.66	15.78	14.89	13.95
315.0	22.03	20.26	18.49	17.27	16.27	15.11	14.39	13.51	12.84
360.0	20.76	18.88	17.60	16.27	15.39	14.56	13.73	13.06	12.57
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.96	11.51	11.07	10.74	10.30	10.02	9.80	9.52	9.19
45.0	12.84	12.29	11.73	11.35	10.79	10.52	10.07	9.80	9.47
90.0	12.01	11.51	11.02	10.63	10.30	9.96	9.69	9.35	9.08
135.0	12.45	11.96	11.57	11.07	10.68	10.35	10.02	9.69	9.41
180.0	12.79	12.07	11.68	11.24	10.85	10.46	10.13	9.85	9.63
225.0	11.90	11.46	10.96	10.63	10.30	9.91	9.63	9.41	9.19
270.0	13.28	12.57	12.01	11.62	11.07	10.68	10.35	10.02	9.69
315.0	12.29	11.85	11.40	10.90	10.52	10.24	9.96	9.69	9.35
360.0	11.96	11.51	11.07	10.74	10.30	10.02	9.80	9.52	9.19
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.97	8.75	8.52	8.36	8.14	7.92	7.75	7.58	7.42
45.0	9.19	8.97	8.75	8.52	8.25	8.08	7.97	7.80	7.58
90.0	8.86	8.58	8.41	8.19	7.97	7.80	7.64	7.53	7.36
135.0	9.19	8.97	8.69	8.47	8.25	8.08	7.92	7.75	7.53
180.0	9.24	9.02	8.86	8.52	8.36	8.14	7.97	7.80	7.69
225.0	8.91	8.64	8.41	8.25	8.08	7.86	7.69	7.53	7.36
270.0	9.41	9.13	8.97	8.75	8.47	8.30	8.08	7.86	7.75
315.0	9.08	8.86	8.64	8.41	8.25	8.08	7.86	7.69	7.53
360.0	8.97	8.75	8.52	8.36	8.14	7.92	7.75	7.58	7.42
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.20	7.03	6.86	6.70	6.59	6.42	6.20	6.09	5.92
45.0	7.47	7.20	7.03	6.92	6.75	6.59	6.42	6.20	6.09
90.0	7.14	6.97	6.81	6.64	6.48	6.31	6.20	5.98	5.87
135.0	7.36	7.20	6.97	6.81	6.70	6.53	6.37	6.14	6.03
180.0	7.47	7.31	7.14	6.92	6.75	6.59	6.48	6.25	6.14
225.0	7.25	7.03	6.86	6.75	6.59	6.37	6.25	6.09	5.98
270.0	7.58	7.42	7.20	7.03	6.86	6.70	6.53	6.31	6.20
315.0	7.36	7.14	7.03	6.86	6.70	6.48	6.31	6.14	6.03
360.0	7.20	7.03	6.86	6.70	6.59	6.42	6.20	6.09	5.92
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.76	5.70	5.59	5.42	5.31	5.15	5.09	5.04	4.93
45.0	5.92	5.81	5.65	5.48	5.37	5.20	5.15	5.04	4.93
90.0	5.76	5.59	5.42	5.31	5.26	5.15	5.09	4.93	4.87
135.0	5.87	5.76	5.59	5.42	5.31	5.15	5.09	5.04	4.93
180.0	5.98	5.81	5.70	5.59	5.48	5.31	5.20	5.04	5.04
225.0	5.81	5.65	5.54	5.37	5.31	5.20	5.09	5.04	4.87
270.0	6.09	5.92	5.76	5.65	5.48	5.31	5.20	5.09	5.09
315.0	5.92	5.76	5.59	5.48	5.37	5.20	5.15	5.04	4.93
360.0	5.76	5.70	5.59	5.42	5.31	5.15	5.09	5.04	4.93

Intensity data(cd)

C/γ(°)	90.0
0.0	4.93
45.0	4.93
90.0	4.87
135.0	4.87
180.0	4.87
225.0	4.87
270.0	4.87
315.0	4.82
360.0	4.93