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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.427.00

Report No: 2024722-B018

Ballast type: AC

Test No: 2024722-C018

Voltage(V): 33.970

LampCAT: LUMINUS CXM-9-AC40

Current(A): 0.360

Lamp flux(lm): 1687.0

Power (W): 12.229

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1579.53, Efficiency(%): 93.63% , Luminous Efficacy(lm/W): 129.16

Central intensity(cd): 2949.300, Maximum intensity(cd): 2949.300

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=42.8

[C90/270]Total=42.8

Field angle(10%Imax): [C0/180]Total=66.2

[C90/270]Total=66.2

Maximum s/h(1/2): C0_180=0.70 C90_270=0.70

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.63%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.938%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2949.300	0.000	0	0.00%	0.00%
1.0	2948.129	2.822	2.822	0.17%	0.18%
2.0	2942.277	8.454	11.276	0.50%	0.71%
3.0	2930.061	14.045	25.321	0.83%	1.60%
4.0	2910.382	19.550	44.871	1.16%	2.84%
5.0	2881.780	24.918	69.788	1.48%	4.42%
6.0	2846.154	30.102	99.89	1.78%	6.32%
7.0	2805.115	35.077	134.968	2.08%	8.54%
8.0	2760.345	39.831	174.798	2.36%	11.07%
9.0	2714.478	44.370	219.169	2.63%	13.88%
10.0	2663.856	48.672	267.841	2.89%	16.96%
11.0	2601.457	52.611	320.452	3.12%	20.29%
12.0	2532.985	56.127	376.579	3.33%	23.84%
13.0	2449.664	59.131	435.711	3.51%	27.58%
14.0	2363.270	61.605	497.316	3.65%	31.49%
15.0	2268.756	63.591	560.906	3.77%	35.51%
16.0	2161.441	64.915	625.821	3.85%	39.62%
17.0	2046.590	65.530	691.351	3.88%	43.77%
18.0	1925.376	65.489	756.84	3.88%	47.92%
19.0	1806.868	64.933	821.774	3.85%	52.03%
20.0	1681.776	63.852	885.626	3.78%	56.07%
21.0	1533.443	61.739	947.364	3.66%	59.98%
22.0	1376.457	58.476	1005.84	3.47%	63.68%
23.0	1274.020	55.614	1061.454	3.30%	67.20%
24.0	1184.876	53.760	1115.215	3.19%	70.60%
25.0	1063.186	51.116	1166.331	3.03%	73.84%
26.0	954.341	47.624	1213.954	2.82%	76.86%
27.0	848.474	44.106	1258.061	2.61%	79.65%
28.0	740.873	40.239	1298.3	2.39%	82.20%
29.0	634.618	35.987	1334.286	2.13%	84.47%
30.0	538.839	31.683	1365.969	1.88%	86.48%
31.0	448.963	27.489	1393.459	1.63%	88.22%
32.0	367.668	23.395	1416.854	1.39%	89.70%
33.0	299.379	19.651	1436.505	1.16%	90.95%
34.0	252.254	16.694	1453.2	0.99%	92.00%
35.0	198.033	13.984	1467.184	0.83%	92.89%
36.0	149.379	11.062	1478.245	0.66%	93.59%
37.0	102.751	8.223	1486.468	0.49%	94.11%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	79.459	6.082	1492.55	0.36%	94.49%
39.0	65.428	4.945	1497.496	0.29%	94.81%
40.0	56.350	4.247	1501.743	0.25%	95.08%
41.0	49.334	3.763	1505.506	0.22%	95.31%
42.0	44.016	3.392	1508.898	0.20%	95.53%
43.0	40.110	3.116	1512.014	0.18%	95.73%
44.0	36.613	2.896	1514.91	0.17%	95.91%
45.0	33.819	2.707	1517.617	0.16%	96.08%
46.0	31.302	2.547	1520.163	0.15%	96.24%
47.0	29.203	2.406	1522.57	0.14%	96.39%
48.0	27.469	2.291	1524.861	0.14%	96.54%
49.0	25.896	2.191	1527.052	0.13%	96.68%
50.0	24.558	2.104	1529.156	0.12%	96.81%
51.0	23.350	2.027	1531.183	0.12%	96.94%
52.0	22.319	1.960	1533.143	0.12%	97.06%
53.0	21.353	1.900	1535.042	0.11%	97.18%
54.0	20.476	1.844	1536.886	0.11%	97.30%
55.0	19.686	1.793	1538.679	0.11%	97.41%
56.0	18.954	1.746	1540.425	0.10%	97.52%
57.0	18.303	1.703	1542.128	0.10%	97.63%
58.0	17.571	1.659	1543.787	0.10%	97.74%
59.0	16.920	1.613	1545.4	0.10%	97.84%
60.0	16.269	1.568	1546.968	0.09%	97.94%
61.0	15.706	1.526	1548.494	0.09%	98.04%
62.0	15.084	1.484	1549.977	0.09%	98.13%
63.0	14.506	1.439	1551.416	0.09%	98.22%
64.0	13.958	1.397	1552.813	0.08%	98.31%
65.0	13.438	1.356	1554.169	0.08%	98.39%
66.0	12.912	1.315	1555.483	0.08%	98.48%
67.0	12.414	1.273	1556.757	0.08%	98.56%
68.0	11.931	1.233	1557.99	0.07%	98.64%
69.0	11.558	1.198	1559.189	0.07%	98.71%
70.0	11.229	1.170	1560.359	0.07%	98.79%
71.0	10.966	1.147	1561.506	0.07%	98.86%
72.0	10.688	1.126	1562.632	0.07%	98.93%
73.0	10.468	1.106	1563.738	0.07%	99.00%
74.0	10.234	1.088	1564.827	0.06%	99.07%
75.0	9.993	1.069	1565.895	0.06%	99.14%

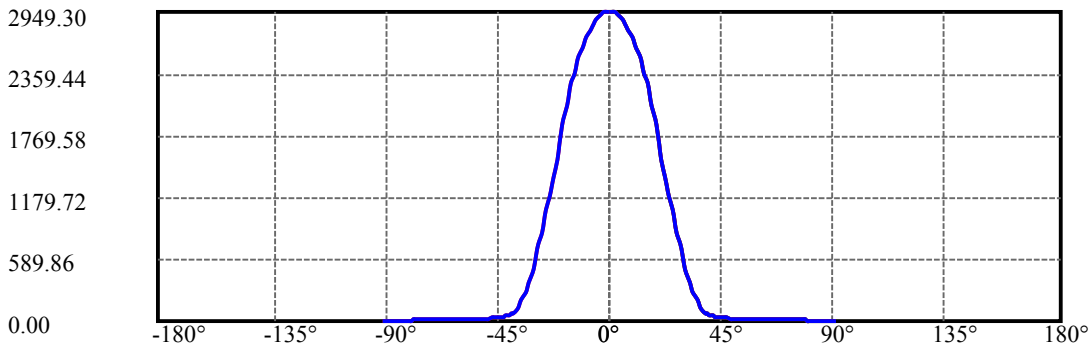
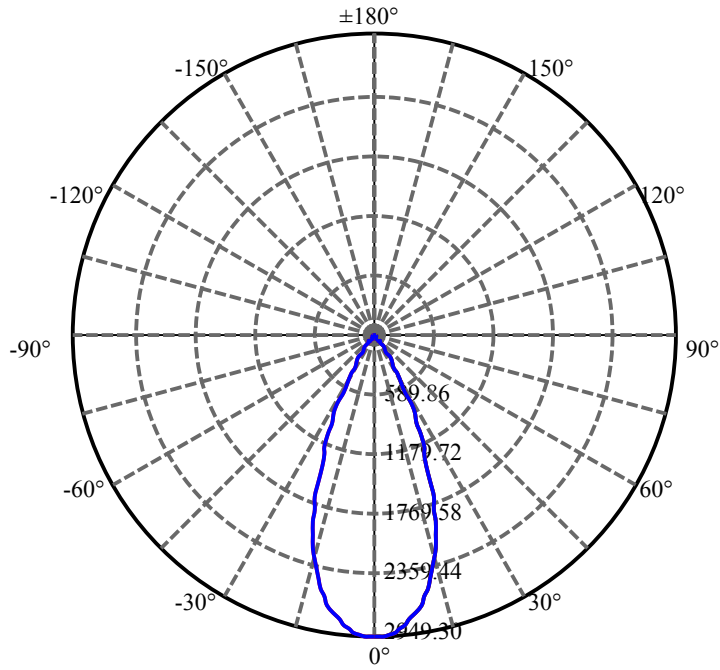
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.773	1.049	1566.945	0.06%	99.20%
77.0	9.568	1.031	1567.976	0.06%	99.27%
78.0	9.342	1.012	1568.988	0.06%	99.33%
79.0	9.115	0.992	1569.98	0.06%	99.40%
80.0	8.903	0.971	1570.951	0.06%	99.46%
81.0	8.676	0.951	1571.902	0.06%	99.52%
82.0	8.471	0.930	1572.832	0.06%	99.58%
83.0	8.259	0.909	1573.741	0.05%	99.63%
84.0	8.040	0.888	1574.629	0.05%	99.69%
85.0	7.849	0.867	1575.496	0.05%	99.74%
86.0	7.608	0.845	1576.341	0.05%	99.80%
87.0	7.440	0.824	1577.165	0.05%	99.85%
88.0	7.242	0.804	1577.969	0.05%	99.90%
89.0	7.110	0.787	1578.755	0.05%	99.95%
90.0	7.030	0.775	1579.531	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1365.97	80.97%	86.48%
0-40	1501.74	89.02%	95.08%
0-60	1546.97	91.70%	97.94%
0-90	1578.76	93.58%	99.95%
0-120	1578.76	93.58%	99.95%
0-180	1579.53	93.63%	100.00%
60-90	31.79	1.88%	2.01%
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%
0-27.14	1263.63	74.90%	80.00%

ZONAL LUMEN SUMMARY

0-10	267.84
10-20	617.78
20-30	480.34
30-40	135.77
40-50	27.41
50-60	17.81
60-70	13.39
70-80	10.59
80-90	7.80
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: —————

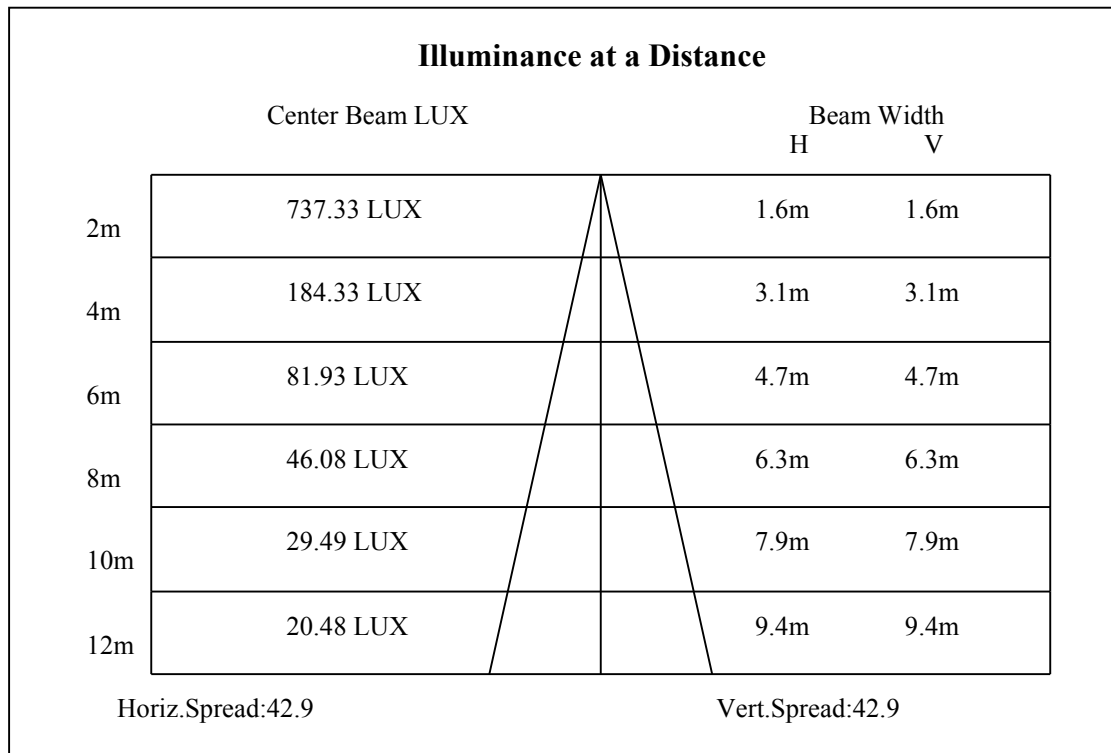
C90/C270: —————

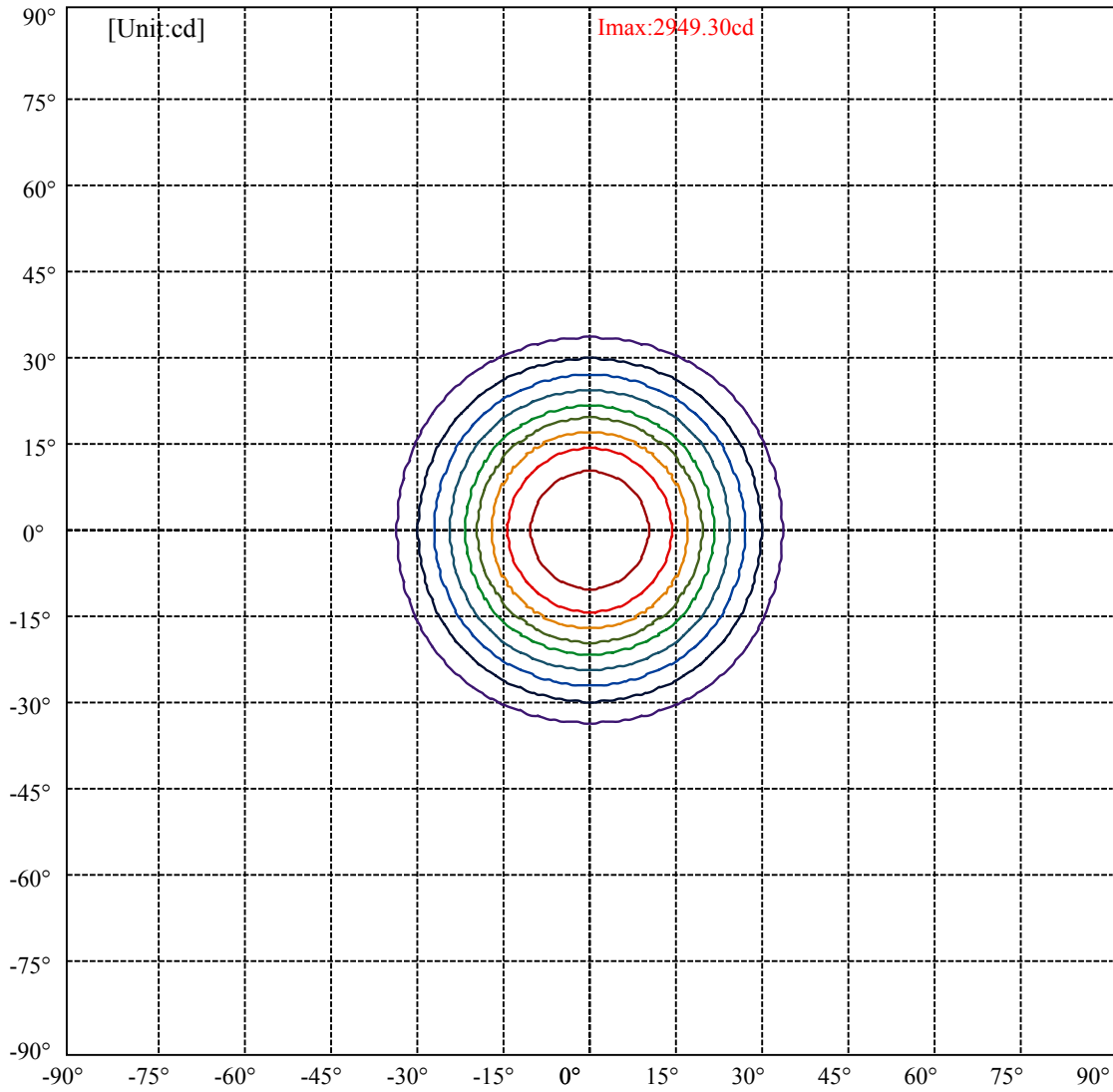
Field angle(10%Imax):C0/180Left:33.1 Right:33.1

:C90/270Left:33.1 Right:33.1

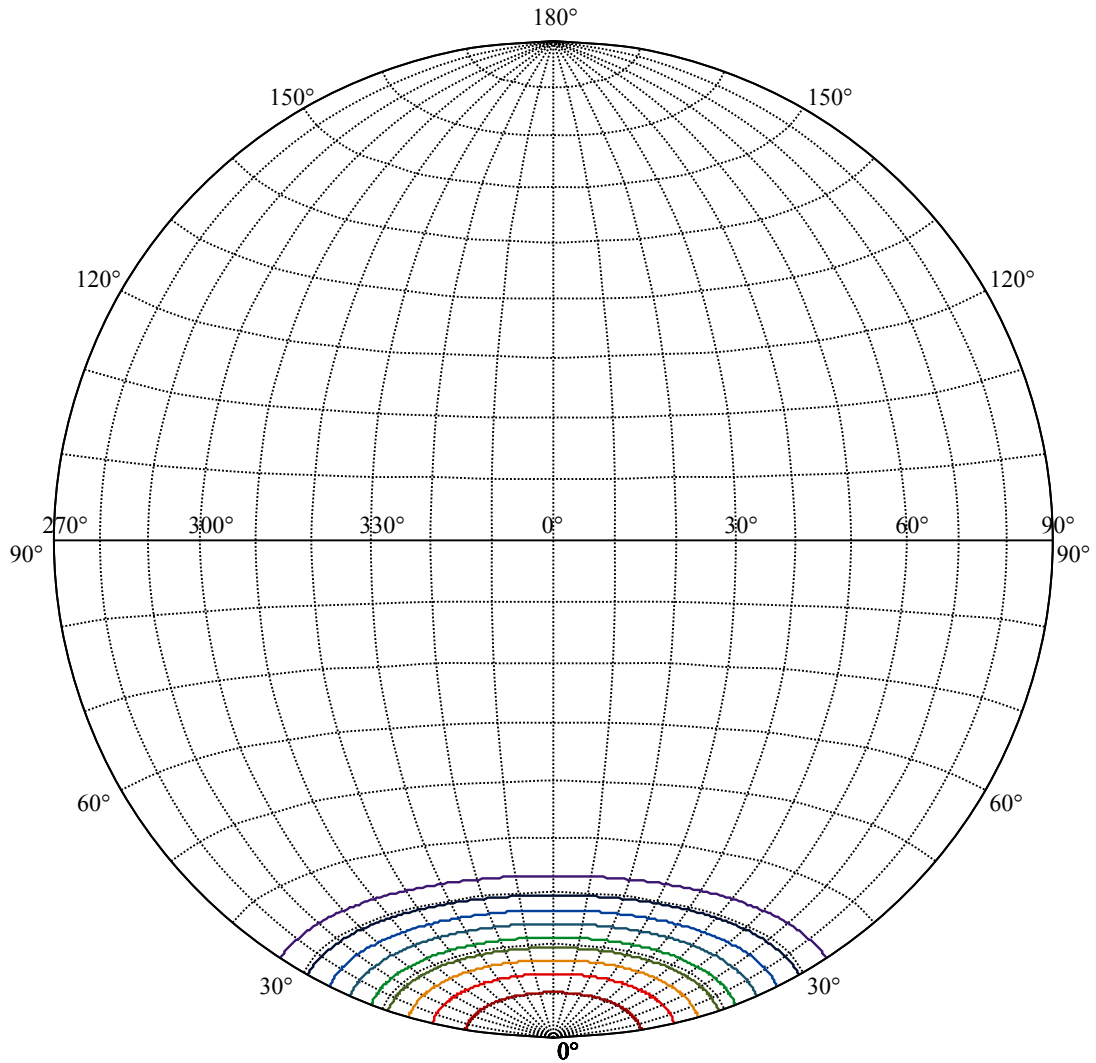
Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4

:C90/270Left:21.4 Right:21.4





(10%Imax) 294.93	—
(20%Imax) 589.86	—
(30%Imax) 884.79	—
(40%Imax) 1179.72	—
(50%Imax) 1474.65	—
(60%Imax) 1769.58	—
(70%Imax) 2064.51	—
(80%Imax) 2359.44	—
(90%Imax) 2654.37	—



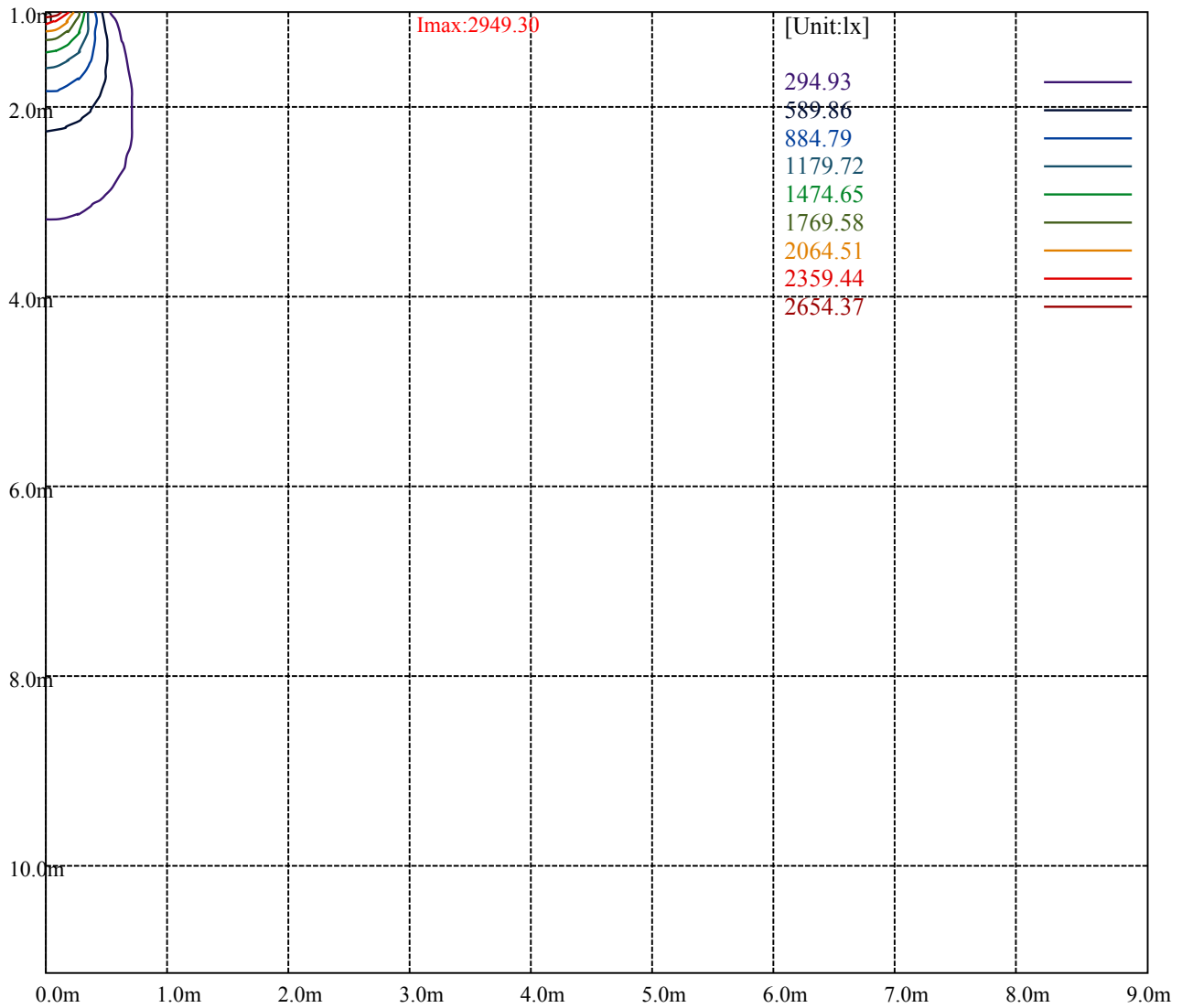
House

[Unit:cd]

Road

Imax:2949.30

(10%Imax) 294.93	—
(20%Imax) 589.86	—
(30%Imax) 884.79	—
(40%Imax) 1179.72	—
(50%Imax) 1474.65	—
(60%Imax) 1769.58	—
(70%Imax) 2064.51	—
(80%Imax) 2359.44	—
(90%Imax) 2654.37	—



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

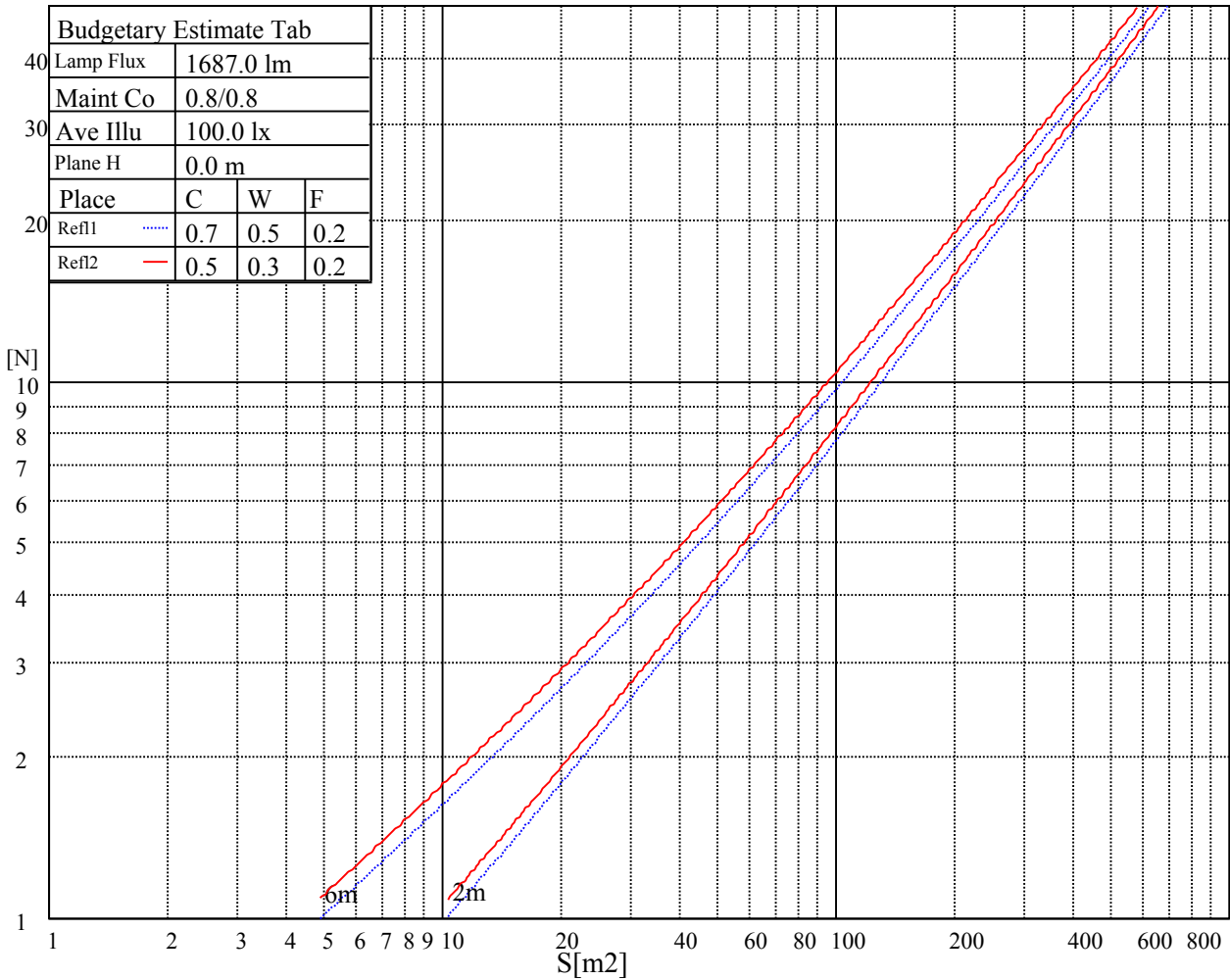
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

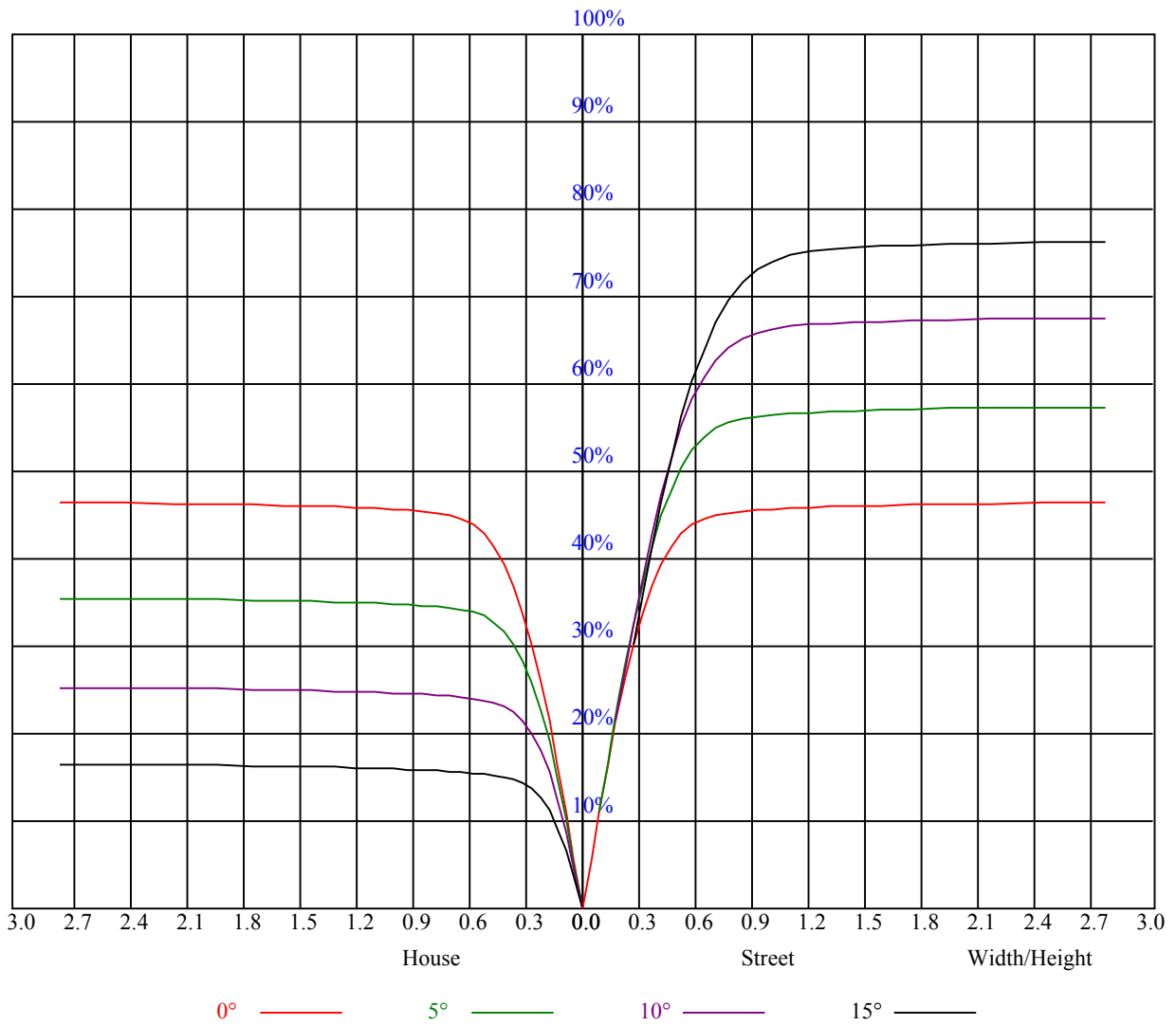


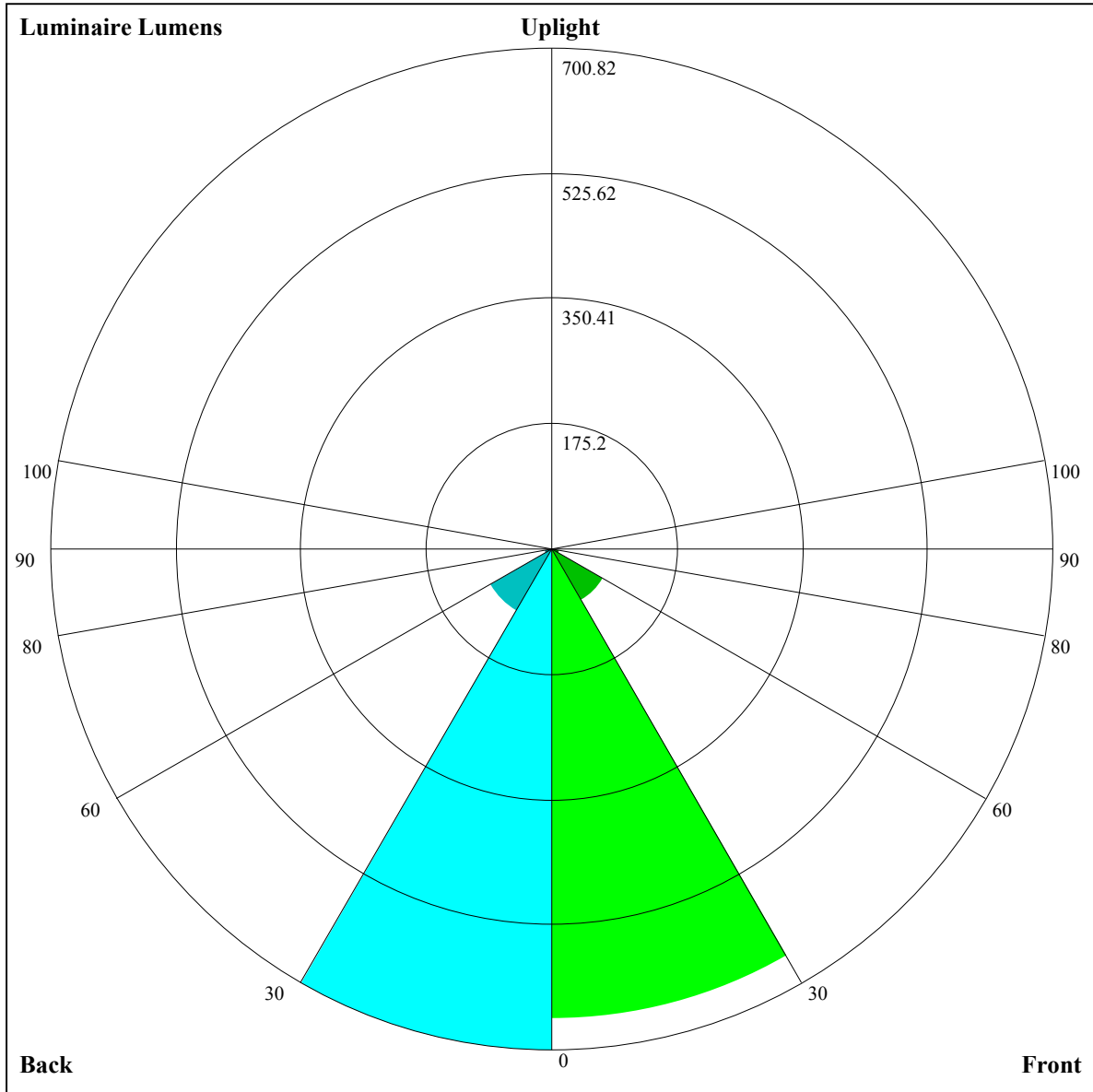
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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 RHOF=20 CU															
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
8	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
9	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56





Luminaire Lumens:

FL=656.27,FM=82.41,FH=11.79,FVH=4.23

BL=700.82,BM=99.53,BH=12.16,BVH=4.35

UL=0,UH=0

BUG Rating:B2-U0-G0

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	2949.01	2944.91	2934.96	2917.99	2868.25	2826.11	2789.24	2752.37	2698.53
45.0	2944.33	2949.59	2964.22	2964.81	2957.20	2928.52	2897.51	2857.13	2818.50
90.0	2952.52	2971.83	2976.51	2975.93	2964.22	2925.01	2889.31	2844.84	2797.43
135.0	2951.35	2952.52	2964.81	2963.64	2960.71	2957.20	2932.04	2902.19	2861.22
180.0	2949.01	2943.74	2933.21	2916.23	2915.65	2906.29	2885.80	2848.93	2806.80
225.0	2944.33	2930.28	2909.21	2897.51	2870.00	2830.79	2784.56	2744.18	2700.87
270.0	2952.52	2947.25	2935.55	2913.31	2888.14	2855.37	2813.24	2758.81	2726.62
315.0	2951.35	2944.91	2919.75	2891.07	2858.88	2824.94	2777.54	2732.47	2672.78
360.0	2949.01	2944.91	2934.96	2917.99	2868.25	2826.11	2789.24	2752.37	2698.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2645.28	2595.53	2525.30	2445.71	2335.11	2244.40	2125.60	2018.50	1912.57
45.0	2771.10	2721.94	2641.76	2579.15	2504.24	2414.11	2330.42	2237.96	2091.65
90.0	2758.81	2706.72	2628.30	2556.32	2465.61	2355.00	2250.83	2144.32	2023.18
135.0	2826.70	2795.09	2743.01	2668.10	2613.67	2558.66	2472.05	2354.42	2257.27
180.0	2766.42	2725.45	2676.88	2625.96	2551.64	2489.02	2410.60	2325.16	2208.70
225.0	2655.81	2600.21	2546.37	2486.09	2408.84	2308.77	2219.82	2133.20	2031.37
270.0	2673.95	2620.11	2573.29	2503.07	2418.79	2330.42	2237.37	2112.14	1998.02
315.0	2617.77	2545.79	2476.73	2399.48	2299.41	2205.77	2103.36	1965.83	1849.95
360.0	2645.28	2595.53	2525.30	2445.71	2335.11	2244.40	2125.60	2018.50	1912.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1777.97	1670.88	1557.93	1412.79	1152.89	1152.89	1071.84	948.94	843.48
45.0	1981.63	1872.78	1723.55	1602.40	1483.60	1356.61	1196.26	1090.33	987.92
90.0	1875.12	1762.76	1643.37	1524.57	1160.03	1160.03	1132.59	1001.67	909.44
135.0	2160.12	2020.26	1907.89	1762.17	1643.37	1524.57	1408.11	1252.44	1140.08
180.0	2121.50	1987.48	1882.14	1769.78	1621.13	1505.26	1382.36	1233.13	1126.62
225.0	1892.68	1779.14	1641.03	1525.15	1405.77	1149.03	1149.03	1048.26	943.62
270.0	1881.56	1765.68	1622.30	1505.26	1379.43	1227.86	1116.67	1011.33	888.43
315.0	1712.43	1595.97	1476.00	1165.42	1165.42	1115.91	1022.15	919.39	795.15
360.0	1777.97	1670.88	1557.93	1412.79	1152.89	1152.89	1071.84	948.94	843.48
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	740.43	639.94	525.42	440.44	363.54	280.15	221.92	159.01	118.39
45.0	879.07	750.90	652.58	568.31	464.14	390.40	306.13	306.13	237.25
90.0	814.75	689.16	599.50	516.34	422.24	352.54	291.27	234.21	170.42
135.0	1035.32	929.98	795.38	694.72	600.50	492.82	414.40	341.83	308.47
180.0	1021.86	915.35	803.57	670.73	572.41	481.11	375.77	306.13	306.13
225.0	810.42	710.81	611.33	519.50	415.45	339.37	275.82	205.94	157.72
270.0	790.70	693.55	582.94	496.91	421.42	352.36	306.13	306.13	173.17
315.0	695.25	597.28	506.22	403.75	332.00	252.58	203.60	158.65	112.71
360.0	740.43	639.94	525.42	440.44	363.54	280.15	221.92	159.01	118.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	91.24	74.44	62.50	52.09	45.82	41.20	36.93	34.12	31.49
45.0	150.11	105.69	82.87	68.47	58.93	49.74	44.36	40.09	35.93
90.0	129.92	98.79	78.24	63.79	55.89	48.16	43.19	39.44	35.41
135.0	308.47	155.38	107.21	82.98	70.29	59.63	53.26	47.99	43.72
180.0	175.10	131.91	92.47	75.20	64.49	56.59	49.22	44.48	40.79
225.0	117.34	84.80	70.99	61.16	52.32	46.58	41.96	38.51	35.11
270.0	135.01	97.97	79.53	67.89	57.24	51.27	45.00	41.67	38.39
315.0	87.84	73.04	61.86	51.85	45.82	41.49	38.22	34.59	32.07
360.0	91.24	74.44	62.50	52.09	45.82	41.20	36.93	34.12	31.49

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	29.09	27.39	25.98	24.52	23.35	22.41	21.36	20.66	19.96
45.0	33.18	30.72	28.27	26.69	25.28	23.82	22.77	21.89	20.83
90.0	32.71	30.26	27.80	26.34	25.05	23.82	22.53	21.59	20.60
135.0	39.39	36.46	33.71	31.37	28.85	27.27	25.40	24.11	22.94
180.0	37.69	34.47	32.13	30.08	27.92	26.57	25.34	23.88	22.88
225.0	32.66	30.43	28.56	26.57	25.34	23.82	22.77	21.83	20.78
270.0	35.76	32.83	30.72	28.97	27.56	25.87	24.70	23.58	22.59
315.0	30.08	27.86	26.45	25.22	23.82	22.88	21.95	21.01	20.25
360.0	29.09	27.39	25.98	24.52	23.35	22.41	21.36	20.66	19.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.37	18.67	18.14	17.62	17.03	16.39	15.80	15.27	14.69
45.0	20.13	19.37	18.73	17.97	17.38	16.80	16.21	15.45	14.86
90.0	19.72	18.73	18.14	17.56	16.80	16.21	15.63	15.16	14.75
135.0	21.77	20.89	20.07	19.31	18.43	17.79	17.15	16.56	15.80
180.0	21.77	21.07	20.31	19.61	18.90	18.14	17.50	16.91	16.27
225.0	20.07	19.31	18.49	17.85	17.21	16.62	15.86	15.39	14.81
270.0	21.42	20.54	19.61	18.96	17.91	17.03	16.33	15.80	15.10
315.0	19.55	18.90	18.14	17.56	16.91	16.39	15.68	15.10	14.40
360.0	19.37	18.67	18.14	17.62	17.03	16.39	15.80	15.27	14.69
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.16	13.52	13.05	12.64	12.23	11.82	11.53	11.29	11.06
45.0	14.16	13.64	13.23	12.76	12.11	11.76	11.41	11.12	10.83
90.0	14.22	13.75	13.28	12.76	12.29	11.70	11.35	11.06	10.83
135.0	15.16	14.69	14.05	13.52	13.11	12.47	12.06	11.59	11.18
180.0	15.57	14.98	14.34	13.87	13.46	12.82	12.35	11.88	11.59
225.0	14.28	13.69	13.23	12.76	12.11	11.70	11.29	11.06	10.83
270.0	14.63	14.10	13.64	12.82	12.35	11.94	11.53	11.12	10.89
315.0	13.87	13.28	12.70	12.17	11.65	11.24	10.94	10.71	10.53
360.0	14.16	13.52	13.05	12.64	12.23	11.82	11.53	11.29	11.06
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.71	10.48	10.30	10.07	9.77	9.60	9.31	9.01	8.84
45.0	10.59	10.42	10.18	9.95	9.71	9.48	9.25	9.13	8.84
90.0	10.53	10.30	10.07	9.83	9.60	9.36	9.19	9.01	8.78
135.0	10.94	10.71	10.48	10.18	10.01	9.83	9.60	9.36	9.19
180.0	11.29	11.06	10.83	10.53	10.36	10.12	9.89	9.66	9.48
225.0	10.59	10.30	10.07	9.89	9.66	9.42	9.25	9.07	8.84
270.0	10.59	10.42	10.18	9.89	9.71	9.54	9.31	9.01	8.84
315.0	10.24	10.07	9.77	9.60	9.36	9.19	8.95	8.66	8.43
360.0	10.71	10.48	10.30	10.07	9.77	9.60	9.31	9.01	8.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.60	8.43	8.19	7.96	7.78	7.55	7.43	7.08	6.96
45.0	8.66	8.43	8.19	8.02	7.78	7.61	7.37	7.26	7.08
90.0	8.54	8.37	8.19	7.90	7.78	7.49	7.32	7.20	7.08
135.0	8.95	8.72	8.49	8.25	8.02	7.84	7.61	7.37	7.26
180.0	9.25	9.01	8.84	8.60	8.37	8.08	7.90	7.72	7.55
225.0	8.60	8.37	8.13	7.96	7.78	7.49	7.37	7.20	7.08
270.0	8.60	8.37	8.13	7.90	7.78	7.49	7.37	7.14	6.96
315.0	8.19	8.08	7.90	7.72	7.49	7.32	7.14	6.96	6.91
360.0	8.60	8.43	8.19	7.96	7.78	7.55	7.43	7.08	6.96

Intensity data(cd)

C/γ(°)	90.0
0.0	6.96
45.0	7.02
90.0	6.96
135.0	7.14
180.0	7.32
225.0	6.96
270.0	6.96
315.0	6.91
360.0	6.96