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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.427.00

Report No: 2024722-B019

Ballast type: AC

Test No: 2024722-C019

Voltage(V): 33.990

LampCAT: LUMINUS CXM-9-AC40

Current(A): 0.360

Lamp flux(lm): 1687.0

Power (W): 12.236

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1580.92, Efficiency(%): 93.71% , Luminous Efficacy(lm/W): 129.20

Central intensity(cd): 2941.839, Maximum intensity(cd): 2941.839

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=66.6

[C90/270]Total=66.6

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.67 C90_270=0.67

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.71%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.949%

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	2941.838	0.000	0	0.00%	0.00%
1.0	2938.107	2.813	2.813	0.17%	0.18%
2.0	2925.525	8.416	11.229	0.50%	0.71%
3.0	2912.943	13.964	25.193	0.83%	1.59%
4.0	2899.190	19.455	44.648	1.15%	2.82%
5.0	2871.026	24.823	69.471	1.47%	4.39%
6.0	2834.376	29.983	99.455	1.78%	6.29%
7.0	2794.069	34.936	134.39	2.07%	8.50%
8.0	2751.860	39.691	174.082	2.35%	11.01%
9.0	2706.505	44.237	218.319	2.62%	13.81%
10.0	2651.128	48.485	266.803	2.87%	16.88%
11.0	2594.946	52.419	319.222	3.11%	20.19%
12.0	2526.109	55.980	375.203	3.32%	23.73%
13.0	2450.249	59.057	434.26	3.50%	27.47%
14.0	2366.489	61.654	495.914	3.65%	31.37%
15.0	2268.976	63.638	559.551	3.77%	35.39%
16.0	2161.807	64.923	624.475	3.85%	39.50%
17.0	2050.102	65.591	690.065	3.89%	43.65%
18.0	1934.447	65.697	755.762	3.89%	47.81%
19.0	1811.915	65.179	820.941	3.86%	51.93%
20.0	1687.921	64.057	884.998	3.80%	55.98%
21.0	1534.628	61.879	946.877	3.67%	59.89%
22.0	1363.991	58.249	1005.126	3.45%	63.58%
23.0	1275.191	55.377	1060.503	3.28%	67.08%
24.0	1177.370	53.622	1114.125	3.18%	70.47%
25.0	1059.228	50.855	1164.98	3.01%	73.69%
26.0	943.492	47.274	1212.255	2.80%	76.68%
27.0	833.287	43.469	1255.724	2.58%	79.43%
28.0	727.457	39.515	1295.239	2.34%	81.93%
29.0	626.696	35.428	1330.667	2.10%	84.17%
30.0	532.094	31.287	1361.954	1.85%	86.15%
31.0	451.596	27.375	1389.329	1.62%	87.88%
32.0	369.913	23.535	1412.864	1.40%	89.37%
33.0	307.565	19.959	1432.823	1.18%	90.63%
34.0	262.437	17.250	1450.073	1.02%	91.72%
35.0	216.255	14.866	1464.94	0.88%	92.66%
36.0	174.185	12.432	1477.371	0.74%	93.45%
37.0	121.025	9.628	1486.999	0.57%	94.06%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	94.675	7.200	1494.199	0.43%	94.51%
39.0	75.201	5.798	1499.997	0.34%	94.88%
40.0	61.441	4.766	1504.763	0.28%	95.18%
41.0	50.871	3.999	1508.762	0.24%	95.44%
42.0	43.782	3.439	1512.201	0.20%	95.65%
43.0	38.515	3.049	1515.25	0.18%	95.85%
44.0	34.733	2.765	1518.014	0.16%	96.02%
45.0	31.675	2.552	1520.567	0.15%	96.18%
46.0	29.386	2.388	1522.954	0.14%	96.33%
47.0	27.418	2.259	1525.214	0.13%	96.48%
48.0	25.662	2.146	1527.359	0.13%	96.61%
49.0	24.287	2.051	1529.411	0.12%	96.74%
50.0	23.072	1.975	1531.385	0.12%	96.87%
51.0	22.085	1.911	1533.296	0.11%	96.99%
52.0	21.178	1.856	1535.152	0.11%	97.10%
53.0	20.337	1.806	1536.958	0.11%	97.22%
54.0	19.634	1.762	1538.72	0.10%	97.33%
55.0	18.903	1.720	1540.44	0.10%	97.44%
56.0	18.339	1.683	1542.123	0.10%	97.55%
57.0	17.732	1.649	1543.772	0.10%	97.65%
58.0	17.125	1.612	1545.384	0.10%	97.75%
59.0	16.525	1.573	1546.957	0.09%	97.85%
60.0	15.977	1.536	1548.493	0.09%	97.95%
61.0	15.421	1.498	1549.991	0.09%	98.04%
62.0	14.814	1.457	1551.448	0.09%	98.14%
63.0	14.279	1.415	1552.863	0.08%	98.23%
64.0	13.738	1.375	1554.238	0.08%	98.31%
65.0	13.263	1.336	1555.574	0.08%	98.40%
66.0	12.802	1.300	1556.875	0.08%	98.48%
67.0	12.356	1.265	1558.139	0.07%	98.56%
68.0	11.931	1.230	1559.37	0.07%	98.64%
69.0	11.566	1.199	1560.568	0.07%	98.71%
70.0	11.222	1.170	1561.739	0.07%	98.79%
71.0	10.936	1.145	1562.884	0.07%	98.86%
72.0	10.680	1.124	1564.008	0.07%	98.93%
73.0	10.461	1.106	1565.114	0.07%	99.00%
74.0	10.219	1.087	1566.201	0.06%	99.07%
75.0	10.007	1.069	1567.27	0.06%	99.14%

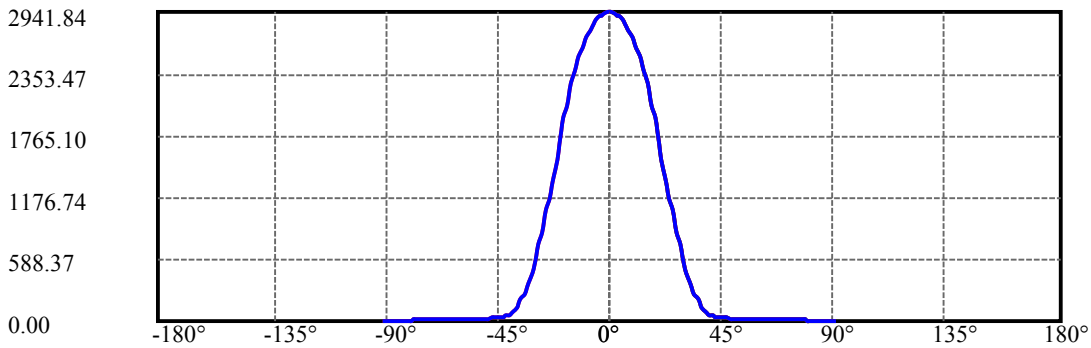
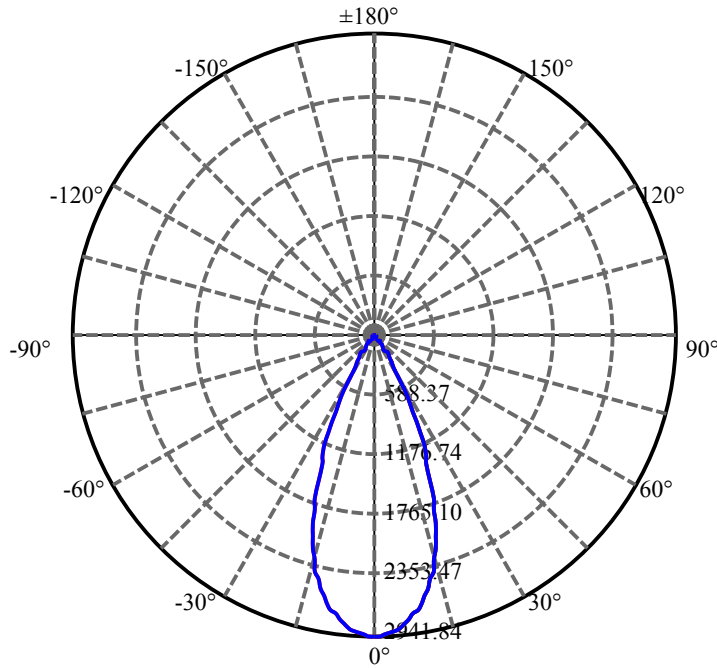
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.766	1.050	1568.319	0.06%	99.20%
77.0	9.576	1.031	1569.35	0.06%	99.27%
78.0	9.349	1.013	1570.363	0.06%	99.33%
79.0	9.122	0.992	1571.356	0.06%	99.39%
80.0	8.895	0.971	1572.327	0.06%	99.46%
81.0	8.698	0.951	1573.279	0.06%	99.52%
82.0	8.500	0.933	1574.211	0.06%	99.58%
83.0	8.274	0.912	1575.123	0.05%	99.63%
84.0	8.091	0.891	1576.015	0.05%	99.69%
85.0	7.886	0.872	1576.887	0.05%	99.74%
86.0	7.637	0.849	1577.735	0.05%	99.80%
87.0	7.440	0.825	1578.56	0.05%	99.85%
88.0	7.264	0.805	1579.366	0.05%	99.90%
89.0	7.081	0.786	1580.152	0.05%	99.95%
90.0	7.001	0.772	1580.924	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1361.95	80.73%	86.15%
0-40	1504.76	89.20%	95.18%
0-60	1548.49	91.79%	97.95%
0-90	1580.15	93.67%	99.95%
0-120	1580.15	93.67%	99.95%
0-180	1580.92	93.71%	100.00%
60-90	31.66	1.88%	2.00%
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%
0-27.23	1264.74	74.97%	80.00%

ZONAL LUMEN SUMMARY

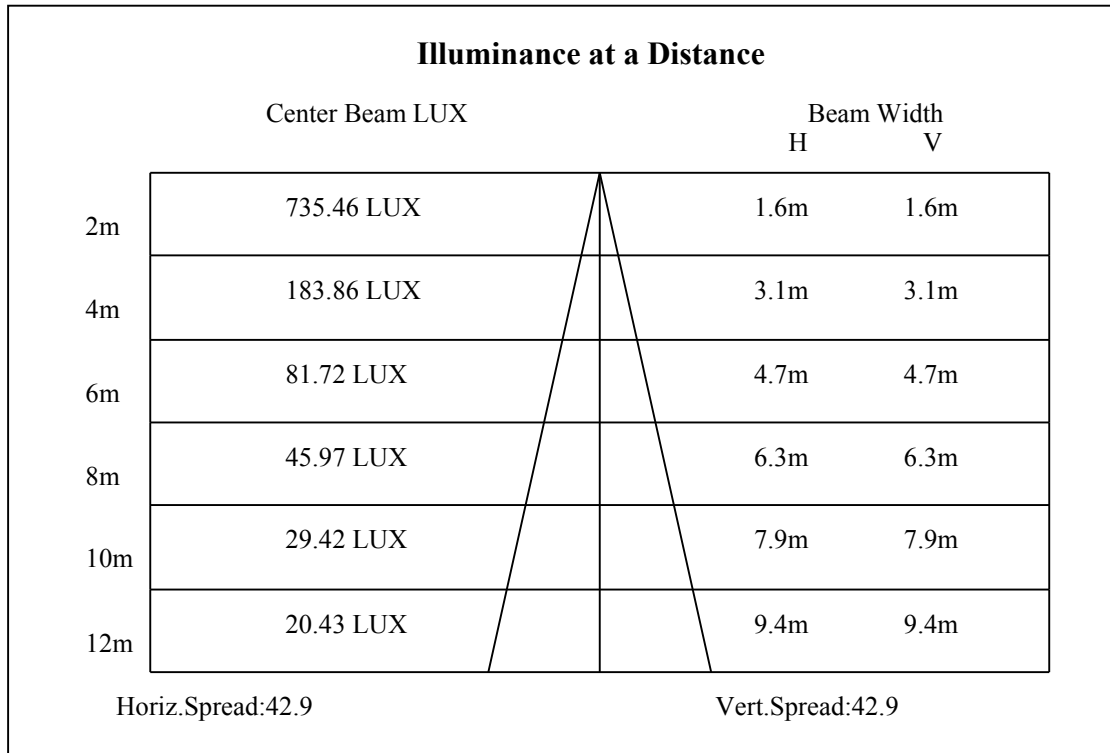
0-10	266.80
10-20	618.19
20-30	476.96
30-40	142.81
40-50	26.62
50-60	17.11
60-70	13.25
70-80	10.59
80-90	7.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

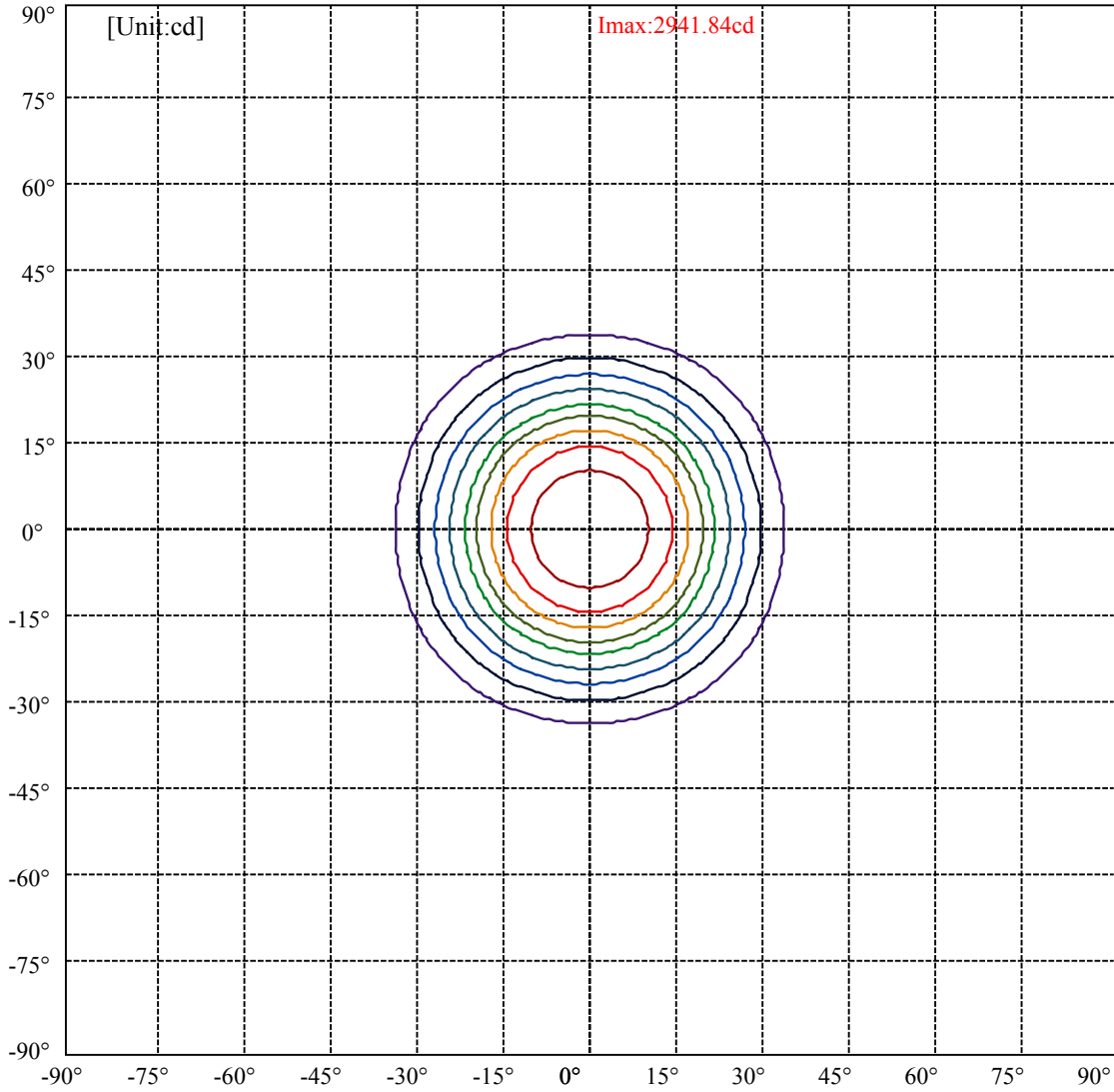


C0(Max): —————
C0/C180: —————
C90/C270: —————

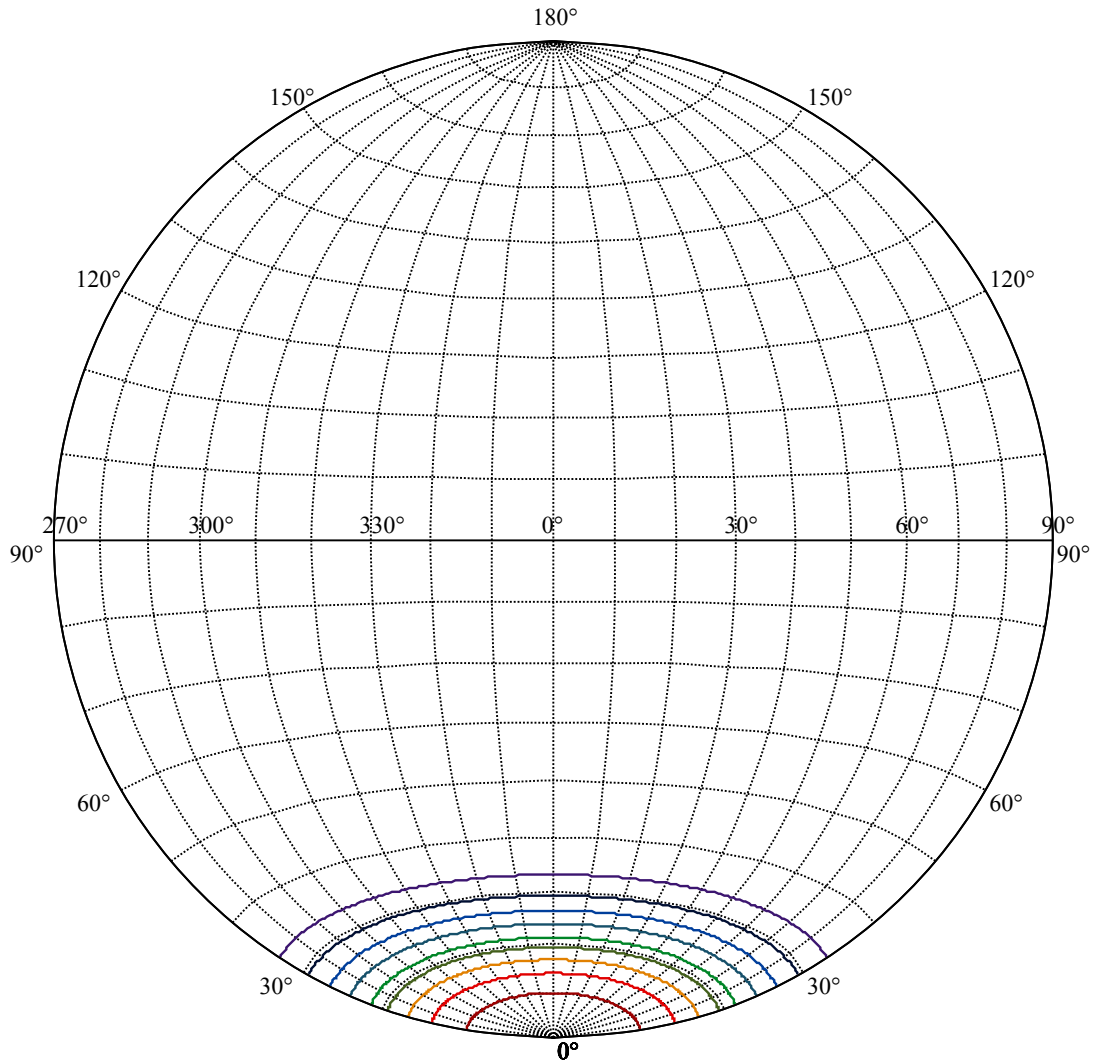
Field angle(10%Imax):C0/180Left:33.3 Right:33.3
:C90/270Left:33.3 Right:33.3

Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4
:C90/270Left:21.4 Right:21.4





(10%Imax) 294.184	—
(20%Imax) 588.368	—
(30%Imax) 882.552	—
(40%Imax) 1176.74	—
(50%Imax) 1470.92	—
(60%Imax) 1765.1	—
(70%Imax) 2059.29	—
(80%Imax) 2353.47	—
(90%Imax) 2647.65	—



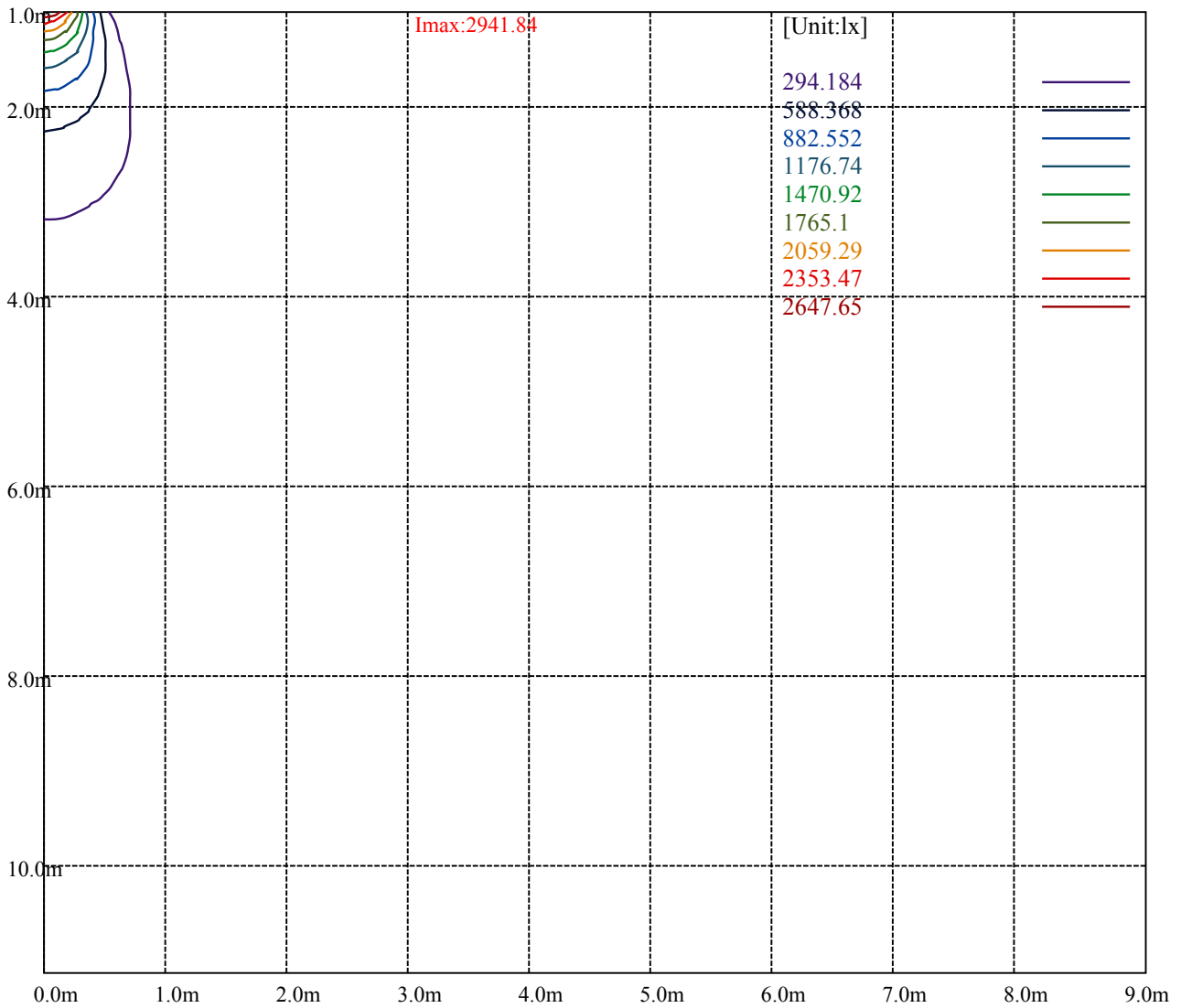
House

[Unit:cd]

Road

Imax:2941.84

(10%Imax) 294.184	—
(20%Imax) 588.368	—
(30%Imax) 882.552	—
(40%Imax) 1176.74	—
(50%Imax) 1470.92	—
(60%Imax) 1765.1	—
(70%Imax) 2059.29	—
(80%Imax) 2353.47	—
(90%Imax) 2647.65	—



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

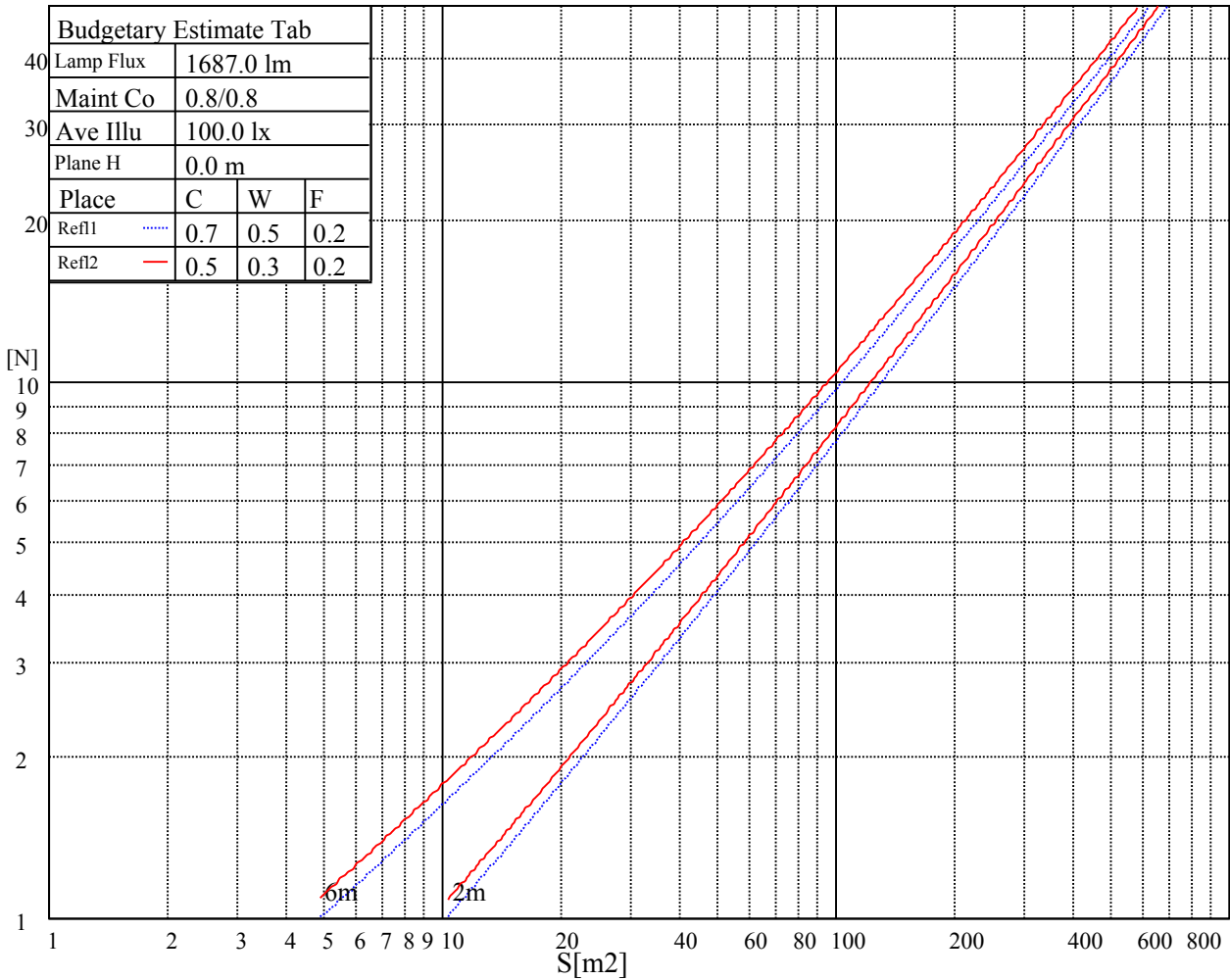
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

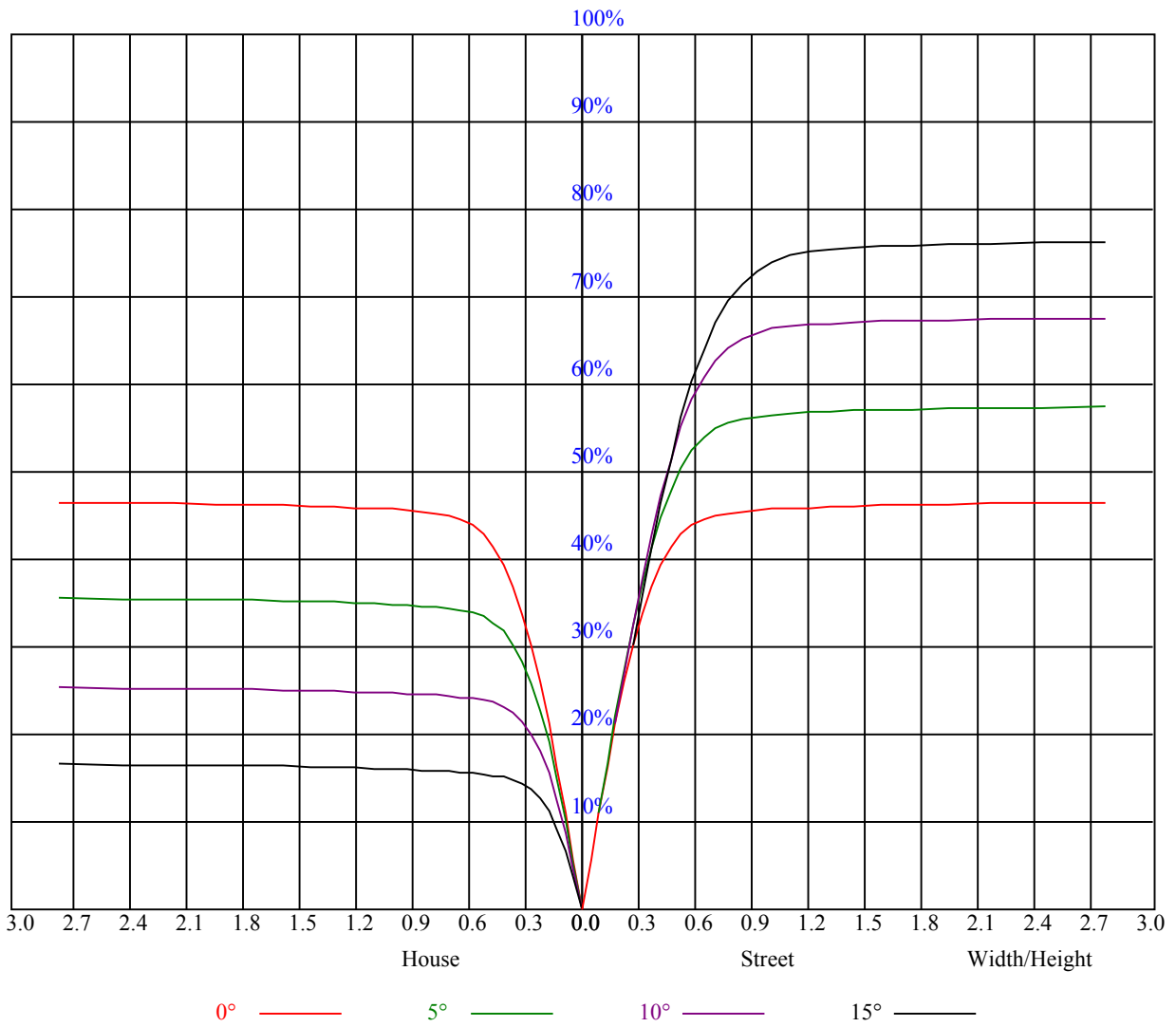


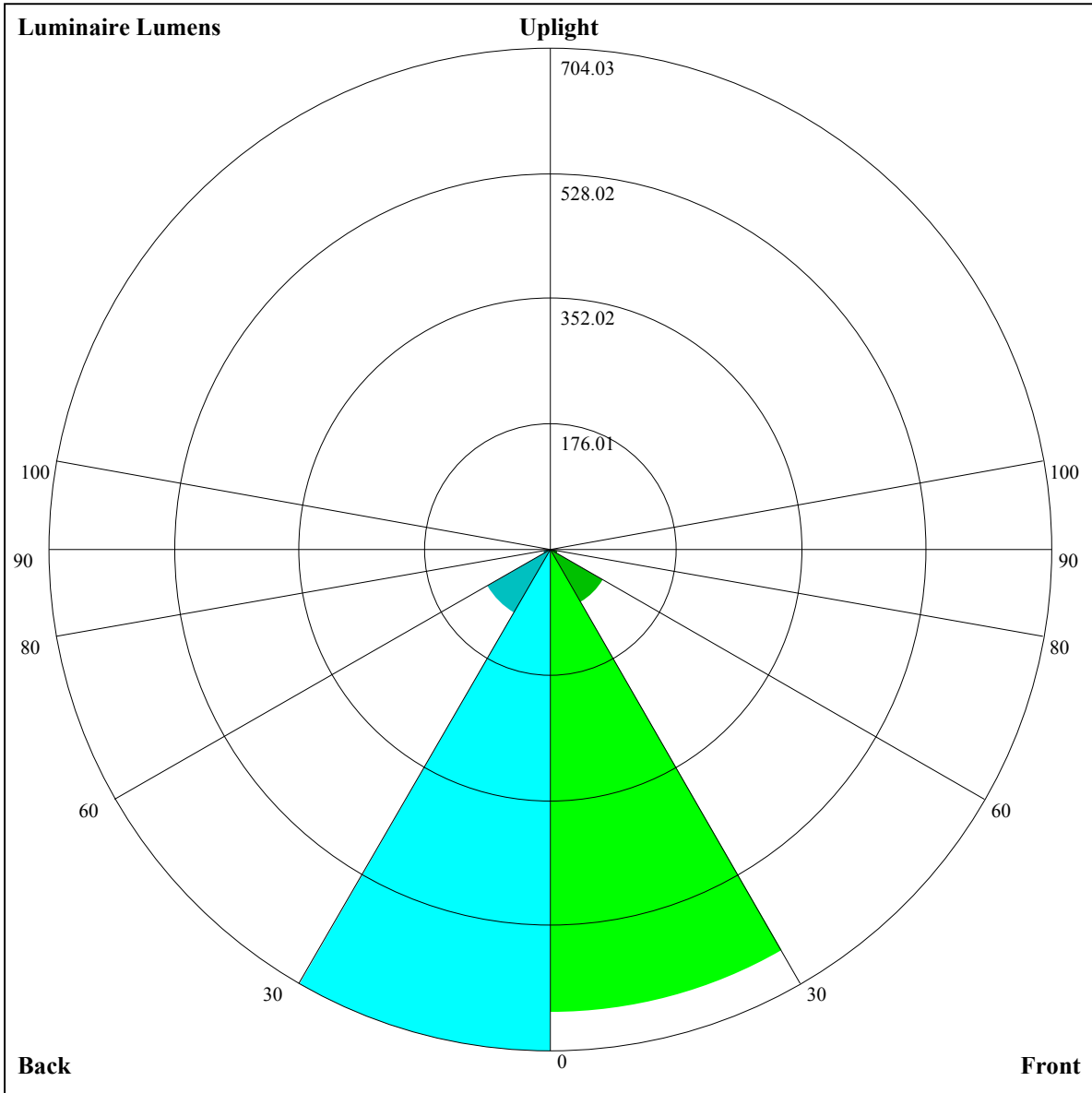
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	1.12	1.12	1.12	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	0.93	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	0.89	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	0.73	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=650.5,FM=84.64,FH=11.72,FVH=4.28

BL=704.03,BM=102.1,BH=12.05,BVH=4.31

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	2940.81	2922.09	2899.85	2882.29	2844.84	2802.12	2744.18	2698.53	2648.20
45.0	2936.72	2945.50	2940.23	2901.60	2894.58	2881.71	2845.42	2775.78	2722.53
90.0	2951.35	2958.37	2938.47	2924.43	2909.21	2870.59	2831.38	2785.73	2743.01
135.0	2938.47	2959.54	2957.79	2942.57	2947.25	2950.76	2946.67	2910.97	2882.29
180.0	2940.81	2944.33	2934.38	2932.04	2939.64	2936.13	2919.75	2894.00	2869.42
225.0	2936.72	2923.26	2924.43	2924.43	2920.92	2879.37	2849.52	2827.28	2778.71
270.0	2951.35	2936.72	2910.38	2915.65	2909.21	2870.00	2819.67	2783.39	2737.74
315.0	2938.47	2915.06	2898.68	2880.54	2827.87	2777.54	2718.43	2676.88	2632.99
360.0	2940.81	2922.09	2899.85	2882.29	2844.84	2802.12	2744.18	2698.53	2648.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2586.17	2528.23	2466.78	2392.46	2284.78	2208.70	2111.55	2006.80	1878.63
45.0	2658.15	2604.89	2561.59	2496.63	2429.91	2345.64	2262.54	2151.93	2056.54
90.0	2696.78	2633.57	2572.12	2497.80	2406.50	2315.79	2199.92	2101.02	1999.77
135.0	2850.69	2802.12	2750.62	2699.70	2649.37	2571.54	2487.26	2379.00	2275.41
180.0	2848.35	2814.99	2761.74	2700.87	2637.67	2551.64	2470.29	2379.58	2269.56
225.0	2745.35	2686.24	2634.16	2575.63	2500.14	2409.43	2300.58	2192.31	2079.95
270.0	2687.41	2647.62	2593.78	2507.75	2434.01	2363.20	2276.00	2140.81	2030.79
315.0	2579.15	2491.36	2418.79	2338.03	2259.61	2165.98	2043.66	1943.01	1810.16
360.0	2586.17	2528.23	2466.78	2392.46	2284.78	2208.70	2111.55	2006.80	1878.63
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1776.80	1645.13	1529.84	1413.38	1143.24	1143.24	1029.64	925.30	795.32
45.0	1954.71	1850.54	1718.28	1607.67	1494.14	1354.27	1243.08	1128.96	999.04
90.0	1865.76	1759.83	1643.37	1527.50	1300.43	1151.31	1151.31	1048.49	919.10
135.0	2169.49	2056.54	1934.81	1792.60	1669.71	1549.15	1390.55	1264.73	1147.68
180.0	2166.56	2047.76	1932.47	1777.97	1645.71	1509.35	1378.26	1225.52	1109.06
225.0	1927.20	1797.28	1664.44	1533.35	1162.32	1162.32	1102.86	991.96	886.85
270.0	1910.23	1742.86	1624.64	1471.90	1343.74	1229.03	1123.11	990.84	890.19
315.0	1704.82	1595.38	1455.51	1152.66	1152.66	1102.86	1000.15	898.03	800.70
360.0	1776.80	1645.13	1529.84	1413.38	1143.24	1143.24	1029.64	925.30	795.32
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	692.44	595.00	509.32	410.13	341.65	282.08	218.17	174.10	136.18
45.0	889.60	783.09	659.02	567.14	485.21	391.57	323.10	307.89	307.89
90.0	818.91	722.99	612.09	524.77	446.18	359.85	299.46	245.68	188.09
135.0	1035.32	900.13	799.48	680.68	590.55	489.31	413.81	345.34	302.62
180.0	996.70	859.75	760.85	644.39	576.51	471.75	395.09	312.57	297.94
225.0	763.95	671.08	583.00	501.77	408.25	343.88	285.53	233.97	177.79
270.0	790.70	701.74	592.31	509.79	434.88	350.61	307.30	307.30	191.66
315.0	678.69	585.87	497.50	418.08	329.54	270.26	218.05	172.64	127.87
360.0	692.44	595.00	509.32	410.13	341.65	282.08	218.17	174.10	136.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	100.19	80.18	64.96	51.62	44.42	39.15	35.05	31.25	28.97
45.0	156.02	122.25	97.15	77.78	61.10	52.32	45.59	39.74	36.11
90.0	150.52	119.74	94.98	71.46	58.70	49.51	42.84	37.28	34.06
135.0	302.62	179.08	142.97	113.42	90.24	69.35	57.88	49.39	43.25
180.0	297.94	163.92	123.07	98.20	78.89	64.49	52.09	45.00	39.91
225.0	141.68	113.24	86.61	70.64	58.87	48.69	43.07	38.92	35.05
270.0	143.91	114.18	86.26	69.88	57.70	46.82	40.91	36.58	33.36
315.0	100.60	75.61	61.39	48.63	41.61	36.64	32.83	29.96	27.15
360.0	100.19	80.18	64.96	51.62	44.42	39.15	35.05	31.25	28.97

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	26.98	25.28	23.58	22.47	21.54	20.54	19.90	19.20	18.67
45.0	33.30	30.49	28.50	26.80	25.05	23.88	22.88	22.06	21.13
90.0	31.43	28.85	26.98	25.05	23.88	22.77	21.71	20.89	20.25
135.0	37.98	34.94	31.89	29.79	27.97	26.04	24.76	23.53	22.24
180.0	35.35	32.71	30.49	28.15	26.45	24.87	23.76	22.71	21.77
225.0	32.71	30.67	28.85	26.92	25.69	24.52	23.47	22.30	21.30
270.0	30.20	28.15	26.34	24.76	23.17	22.18	21.24	20.37	19.61
315.0	25.46	23.99	22.71	21.36	20.54	19.78	18.96	18.38	17.73
360.0	26.98	25.28	23.58	22.47	21.54	20.54	19.90	19.20	18.67
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.20	17.62	17.21	16.80	16.33	15.80	15.39	14.92	14.46
45.0	20.42	19.72	19.14	18.43	17.85	17.09	16.56	15.92	15.16
90.0	19.66	18.96	18.49	17.97	17.38	16.68	16.15	15.63	14.98
135.0	21.42	20.66	20.01	19.37	18.55	18.02	17.44	16.68	16.09
180.0	20.78	20.07	19.43	18.73	17.91	17.32	16.74	16.21	15.57
225.0	20.54	19.55	18.84	17.97	17.38	16.68	15.86	15.22	14.63
270.0	18.84	17.97	17.44	16.91	16.33	15.74	15.27	14.81	14.10
315.0	17.21	16.68	16.15	15.68	15.27	14.86	14.40	13.99	13.52
360.0	18.20	17.62	17.21	16.80	16.33	15.80	15.39	14.92	14.46
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.87	13.52	13.05	12.58	12.23	12.00	11.70	11.41	11.18
45.0	14.63	14.10	13.58	12.93	12.41	12.00	11.59	11.18	10.94
90.0	14.46	13.99	13.40	12.93	12.35	11.82	11.41	11.12	10.89
135.0	15.45	14.86	14.34	13.69	13.23	12.76	12.29	11.65	11.24
180.0	15.04	14.46	13.99	13.58	13.05	12.58	12.11	11.76	11.41
225.0	14.10	13.46	12.99	12.52	12.11	11.59	11.24	11.00	10.71
270.0	13.58	12.93	12.58	12.35	12.06	11.53	11.24	11.00	10.71
315.0	13.11	12.58	12.17	11.82	11.41	11.18	10.94	10.65	10.42
360.0	13.87	13.52	13.05	12.58	12.23	12.00	11.70	11.41	11.18
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.89	10.71	10.42	10.24	10.01	9.83	9.60	9.36	9.13
45.0	10.71	10.42	10.24	10.01	9.77	9.60	9.36	9.19	8.95
90.0	10.59	10.42	10.18	10.01	9.71	9.54	9.36	9.07	8.84
135.0	11.00	10.77	10.53	10.30	10.07	9.83	9.66	9.42	9.19
180.0	11.18	10.94	10.71	10.42	10.18	10.01	9.71	9.54	9.25
225.0	10.48	10.24	9.95	9.77	9.54	9.36	9.13	8.90	8.72
270.0	10.42	10.24	10.01	9.77	9.54	9.36	9.13	8.90	8.66
315.0	10.18	9.95	9.71	9.54	9.31	9.07	8.84	8.60	8.43
360.0	10.89	10.71	10.42	10.24	10.01	9.83	9.60	9.36	9.13
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.95	8.78	8.49	8.37	8.19	7.84	7.67	7.43	7.02
45.0	8.78	8.54	8.31	8.13	7.96	7.72	7.49	7.32	7.14
90.0	8.66	8.49	8.25	8.02	7.84	7.55	7.37	7.20	7.08
135.0	8.95	8.72	8.49	8.31	8.02	7.84	7.55	7.43	7.26
180.0	9.07	8.84	8.60	8.43	8.19	7.90	7.67	7.49	7.26
225.0	8.49	8.25	8.08	7.90	7.67	7.49	7.32	7.14	6.96
270.0	8.43	8.31	8.08	7.84	7.67	7.43	7.32	7.14	6.96
315.0	8.25	8.08	7.90	7.72	7.55	7.32	7.14	6.96	6.96
360.0	8.95	8.78	8.49	8.37	8.19	7.84	7.67	7.43	7.02

Intensity data(cd)

C/γ(°)	90.0
0.0	7.02
45.0	6.96
90.0	6.96
135.0	7.14
180.0	7.08
225.0	6.91
270.0	6.96
315.0	6.96
360.0	7.02