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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.412.00

Report No: 2024301-B018

Ballast type: AC

Test No: 2024301-C018

Voltage(V): 33.930

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 17.982

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2202.59, Efficiency(%): 85.54% , Luminous Efficacy(lm/W): 122.49

Central intensity(cd): 3689.024, Maximum intensity(cd): 3689.024

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=45.6

[C90/270]Total=45.6

Field angle(10%Imax): [C0/180]Total=70.4

[C90/270]Total=70.4

Maximum s/h(1/2): C0_180=0.73 C90_270=0.73

Maximum s/h(1/4): C0_180=0.72 C90_270=0.72

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.879%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
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	3689.024	0.000	0	0.00%	0.00%
1.0	3685.513	3.529	3.529	0.14%	0.16%
2.0	3673.735	10.563	14.091	0.41%	0.64%
3.0	3655.374	17.529	31.62	0.68%	1.44%
4.0	3628.600	24.382	56.002	0.95%	2.54%
5.0	3598.241	31.089	87.091	1.21%	3.95%
6.0	3559.251	37.615	124.706	1.46%	5.66%
7.0	3513.237	43.899	168.605	1.70%	7.65%
8.0	3458.226	49.893	218.498	1.94%	9.92%
9.0	3395.607	55.547	274.045	2.16%	12.44%
10.0	3321.284	60.785	334.83	2.36%	15.20%
11.0	3240.449	65.565	400.395	2.55%	18.18%
12.0	3154.202	69.903	470.298	2.71%	21.35%
13.0	3062.175	73.773	544.071	2.86%	24.70%
14.0	2959.980	77.083	621.154	2.99%	28.20%
15.0	2862.394	79.932	701.086	3.10%	31.83%
16.0	2744.179	82.152	783.238	3.19%	35.56%
17.0	2626.036	83.629	866.867	3.25%	39.36%
18.0	2505.553	84.609	951.475	3.29%	43.20%
19.0	2372.122	84.862	1036.337	3.30%	47.05%
20.0	2225.889	84.156	1120.493	3.27%	50.87%
21.0	2088.580	82.847	1203.34	3.22%	54.63%
22.0	1958.953	81.337	1284.677	3.16%	58.33%
23.0	1822.230	79.339	1364.016	3.08%	61.93%
24.0	1696.845	76.940	1440.956	2.99%	65.42%
25.0	1554.438	73.927	1514.883	2.87%	68.78%
26.0	1396.354	69.654	1584.537	2.71%	71.94%
27.0	1296.083	65.871	1650.408	2.56%	74.93%
28.0	1175.746	62.581	1712.989	2.43%	77.77%
29.0	1069.118	58.732	1771.721	2.28%	80.44%
30.0	943.207	54.332	1826.054	2.11%	82.90%
31.0	822.761	49.144	1875.198	1.91%	85.14%
32.0	705.650	43.787	1918.985	1.70%	87.12%
33.0	593.755	38.281	1957.266	1.49%	88.86%
34.0	485.993	32.676	1989.942	1.27%	90.35%
35.0	386.424	27.094	2017.036	1.05%	91.58%
36.0	310.074	22.177	2039.213	0.86%	92.58%
37.0	242.386	18.018	2057.231	0.70%	93.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	193.797	14.559	2071.79	0.57%	94.06%
39.0	128.289	10.994	2082.784	0.43%	94.56%
40.0	98.018	7.893	2090.677	0.31%	94.92%
41.0	73.987	6.125	2096.802	0.24%	95.20%
42.0	63.687	5.002	2101.804	0.19%	95.42%
43.0	56.884	4.466	2106.27	0.17%	95.63%
44.0	51.617	4.095	2110.365	0.16%	95.81%
45.0	47.608	3.813	2114.179	0.15%	95.99%
46.0	44.265	3.593	2117.772	0.14%	96.15%
47.0	41.405	3.407	2121.179	0.13%	96.30%
48.0	39.152	3.257	2124.435	0.13%	96.45%
49.0	37.023	3.128	2127.563	0.12%	96.59%
50.0	35.223	3.012	2130.576	0.12%	96.73%
51.0	33.468	2.906	2133.482	0.11%	96.86%
52.0	31.917	2.806	2136.288	0.11%	96.99%
53.0	30.395	2.711	2138.998	0.11%	97.11%
54.0	29.159	2.625	2141.623	0.10%	97.23%
55.0	27.959	2.550	2144.173	0.10%	97.35%
56.0	26.876	2.478	2146.65	0.10%	97.46%
57.0	25.882	2.412	2149.063	0.09%	97.57%
58.0	24.828	2.345	2151.408	0.09%	97.68%
59.0	23.811	2.274	2153.682	0.09%	97.78%
60.0	22.736	2.199	2155.881	0.09%	97.88%
61.0	21.734	2.122	2158.003	0.08%	97.98%
62.0	20.724	2.046	2160.049	0.08%	98.07%
63.0	19.751	1.969	2162.017	0.08%	98.16%
64.0	18.822	1.893	2163.91	0.07%	98.24%
65.0	17.981	1.821	2165.731	0.07%	98.33%
66.0	17.286	1.760	2167.491	0.07%	98.41%
67.0	16.664	1.707	2169.198	0.07%	98.48%
68.0	16.101	1.660	2170.858	0.06%	98.56%
69.0	15.721	1.623	2172.481	0.06%	98.63%
70.0	15.501	1.603	2174.085	0.06%	98.71%
71.0	15.399	1.597	2175.682	0.06%	98.78%
72.0	15.413	1.602	2177.284	0.06%	98.85%
73.0	15.443	1.614	2178.898	0.06%	98.92%
74.0	15.465	1.625	2180.522	0.06%	99.00%
75.0	15.443	1.633	2182.155	0.06%	99.07%

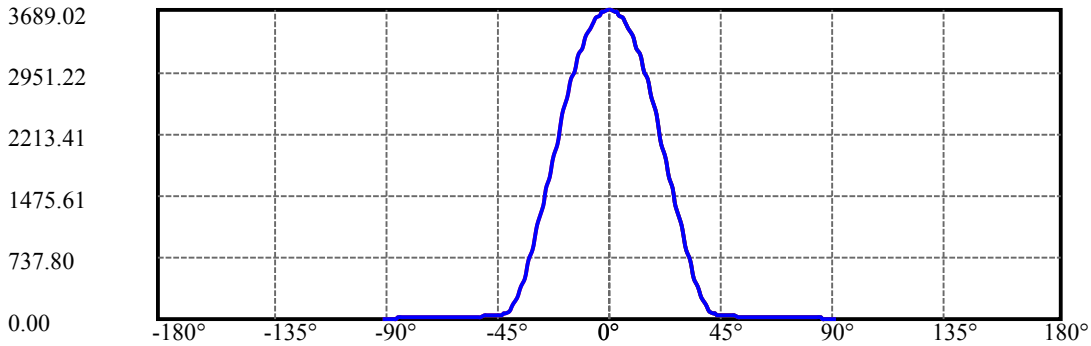
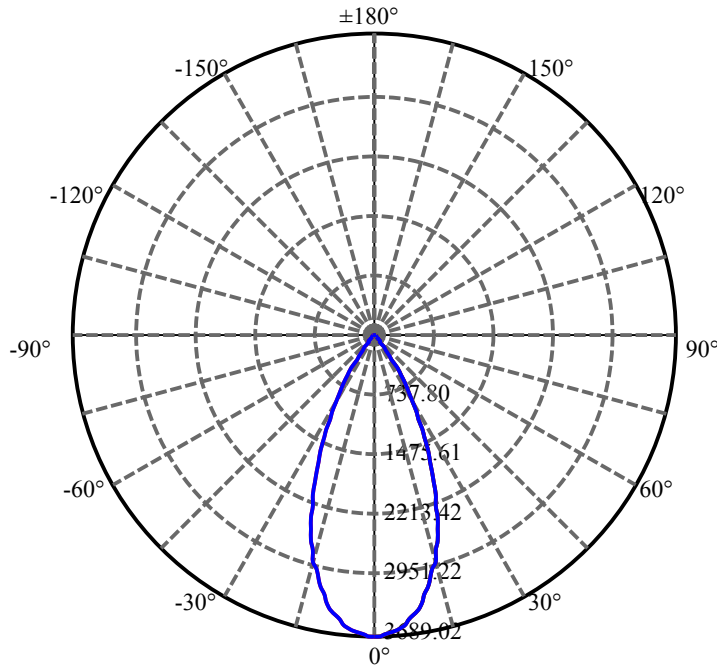
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.377	1.636	2183.792	0.06%	99.15%
77.0	15.260	1.633	2185.425	0.06%	99.22%
78.0	15.077	1.624	2187.049	0.06%	99.29%
79.0	14.792	1.605	2188.654	0.06%	99.37%
80.0	14.389	1.573	2190.227	0.06%	99.44%
81.0	13.906	1.530	2191.757	0.06%	99.51%
82.0	13.226	1.471	2193.228	0.06%	99.58%
83.0	12.378	1.392	2194.62	0.05%	99.64%
84.0	11.617	1.307	2195.927	0.05%	99.70%
85.0	10.856	1.227	2197.154	0.05%	99.75%
86.0	10.315	1.157	2198.311	0.04%	99.81%
87.0	9.920	1.107	2199.419	0.04%	99.86%
88.0	9.700	1.075	2200.493	0.04%	99.90%
89.0	9.525	1.054	2201.547	0.04%	99.95%
90.0	9.481	1.042	2202.589	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1826.05	70.91%	82.90%
0-40	2090.68	81.19%	94.92%
0-60	2155.88	83.72%	97.88%
0-90	2201.55	85.50%	99.95%
0-120	2201.55	85.50%	99.95%
0-180	2202.59	85.54%	100.00%
60-90	45.67	1.77%	2.07%
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%
0-28.84	1762.07	68.43%	80.00%

ZONAL LUMEN SUMMARY

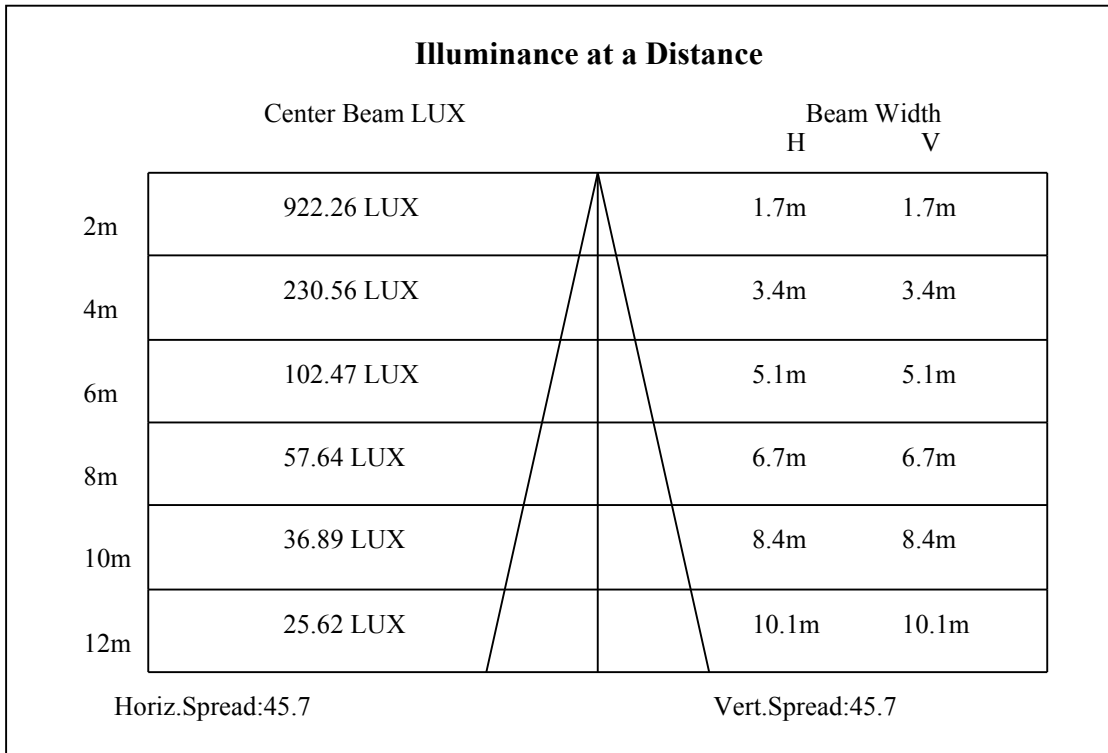
0-10	334.83
10-20	785.66
20-30	705.56
30-40	264.62
40-50	39.90
50-60	25.31
60-70	18.20
70-80	16.14
80-90	11.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

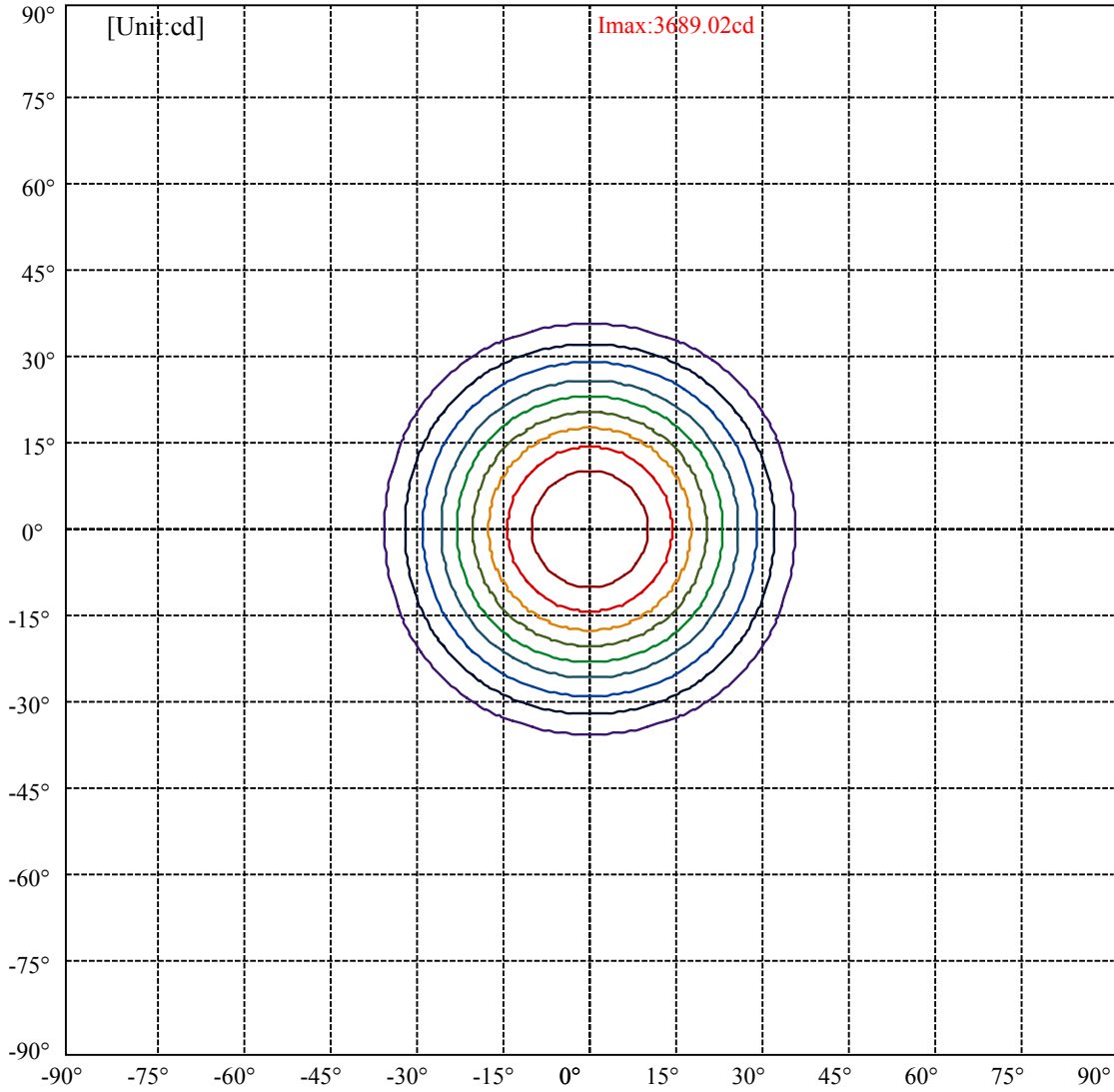


C0(Max): —————
C0/C180: —————
C90/C270: —————

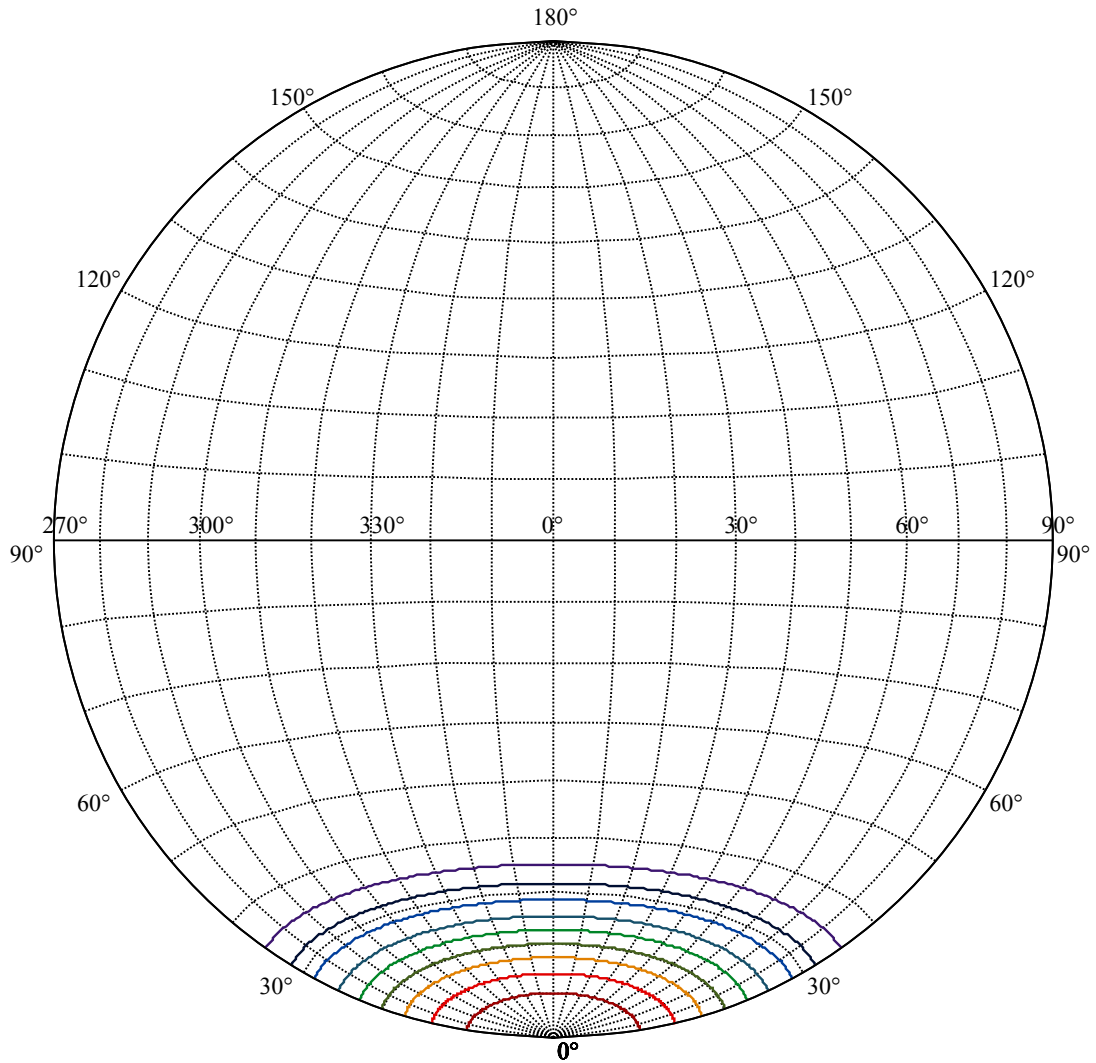
Field angle(10%Imax):C0/180Left:35.2 Right:35.2
:C90/270Left:35.2 Right:35.2

Beam Angle(50%Imax):C0/180Left:22.8 Right:22.8
:C90/270Left:22.8 Right:22.8





(10%Imax) 368.902	—
(20%Imax) 737.805	—
(30%Imax) 1106.71	—
(40%Imax) 1475.61	—
(50%Imax) 1844.51	—
(60%Imax) 2213.41	—
(70%Imax) 2582.32	—
(80%Imax) 2951.22	—
(90%Imax) 3320.12	—



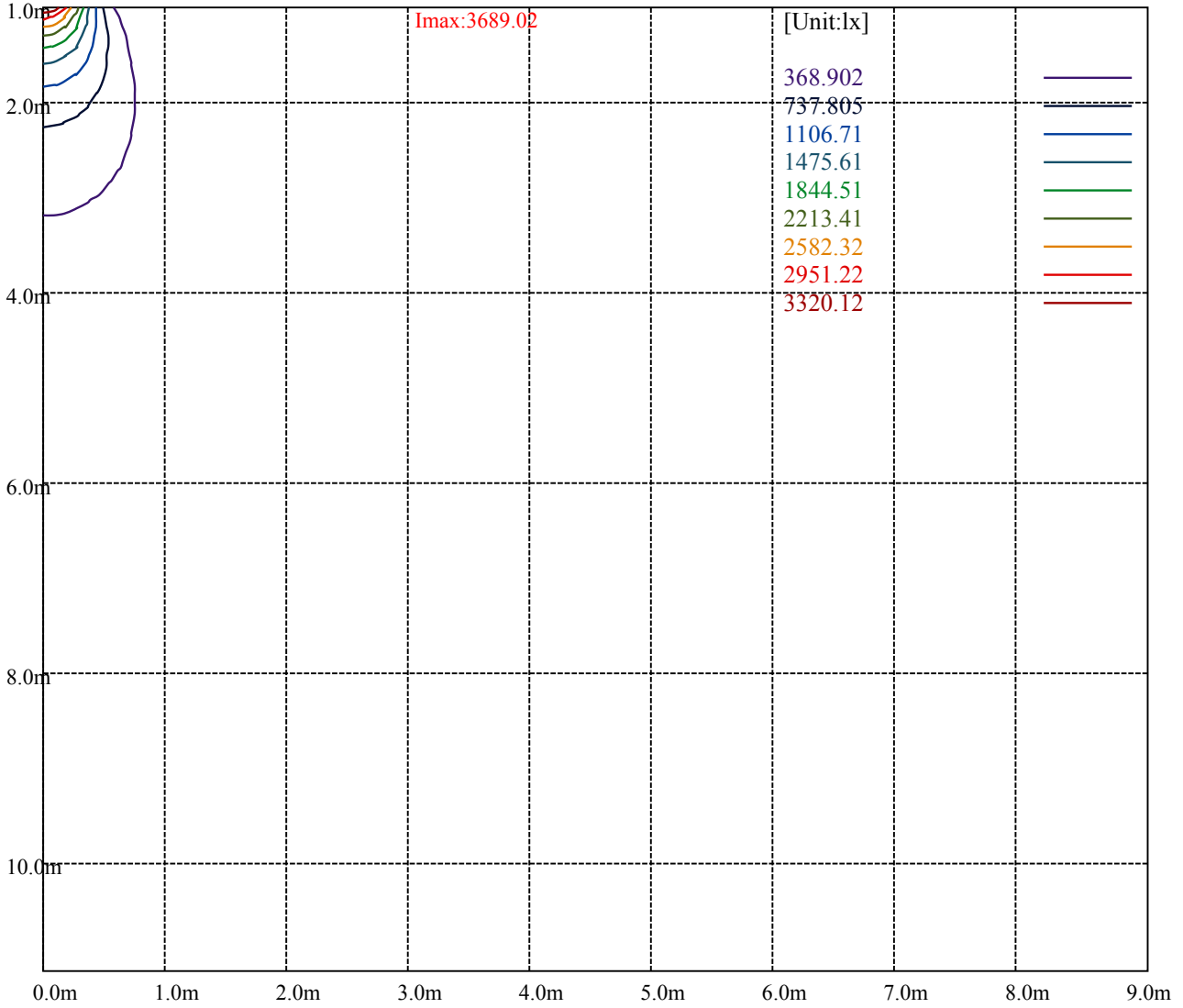
House

[Unit:cd]

Road

Imax:3689.02

(10%Imax)	368.902	—
(20%Imax)	737.805	—
(30%Imax)	1106.71	—
(40%Imax)	1475.61	—
(50%Imax)	1844.51	—
(60%Imax)	2213.41	—
(70%Imax)	2582.32	—
(80%Imax)	2951.22	—
(90%Imax)	3320.12	—



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

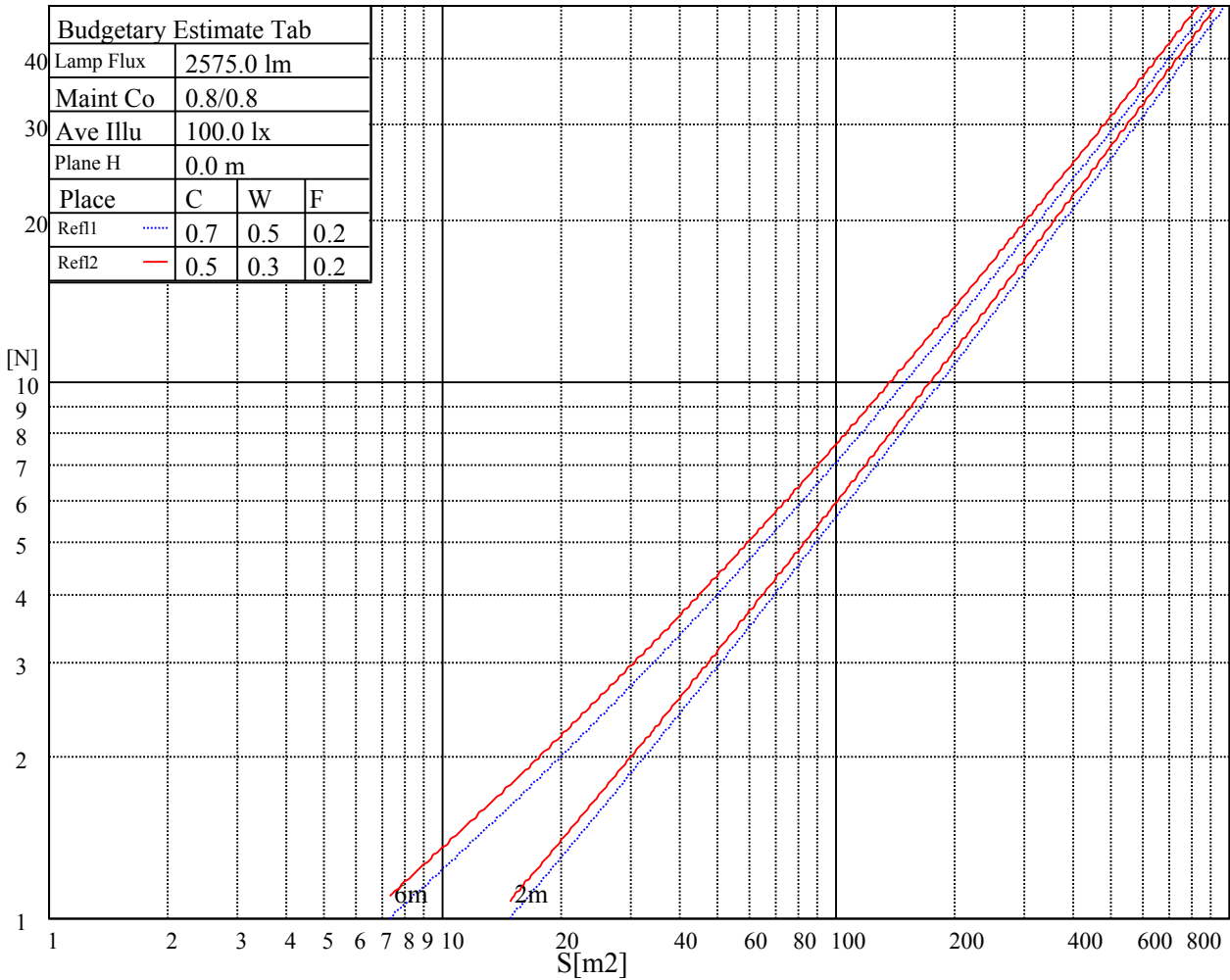
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

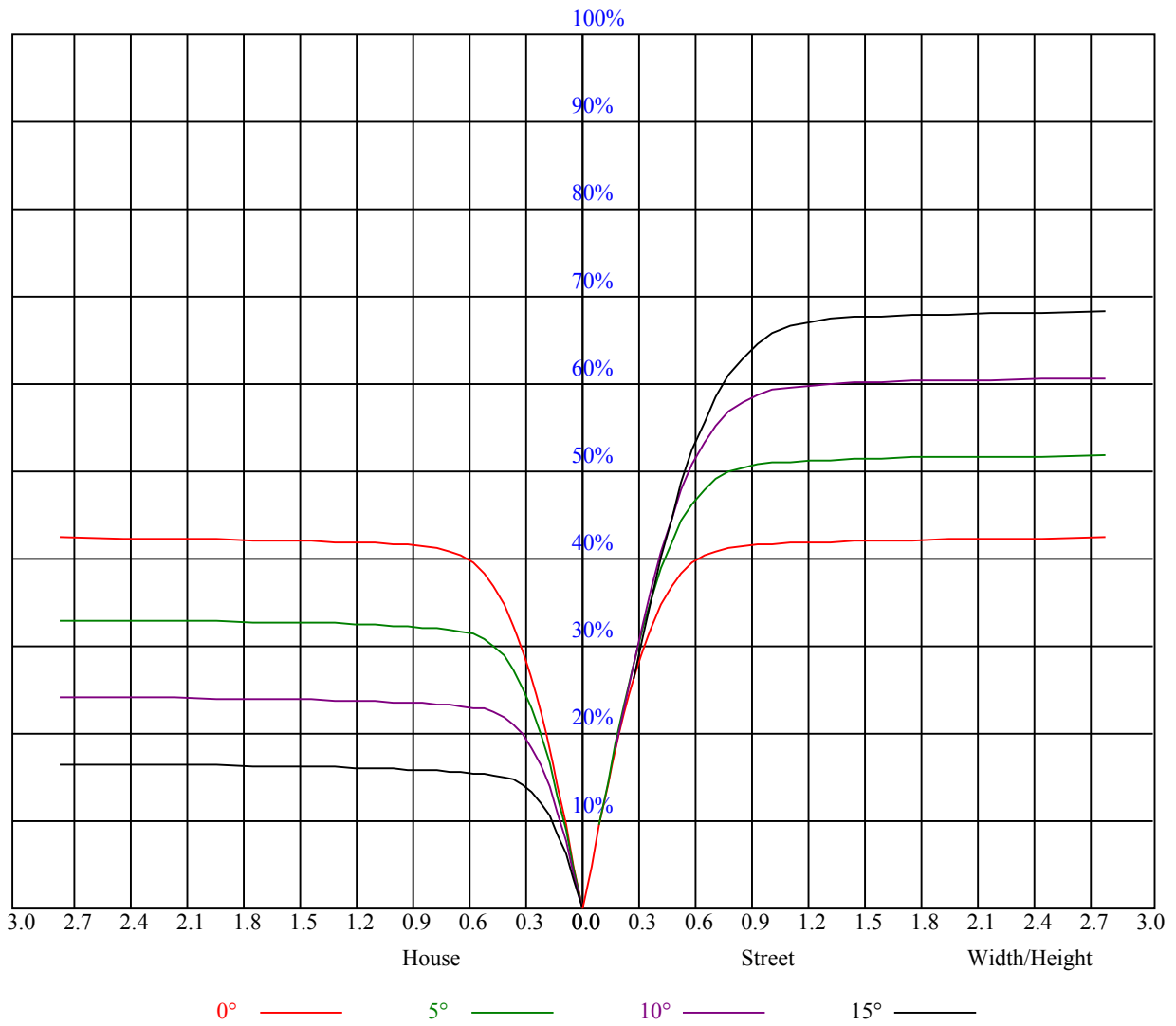


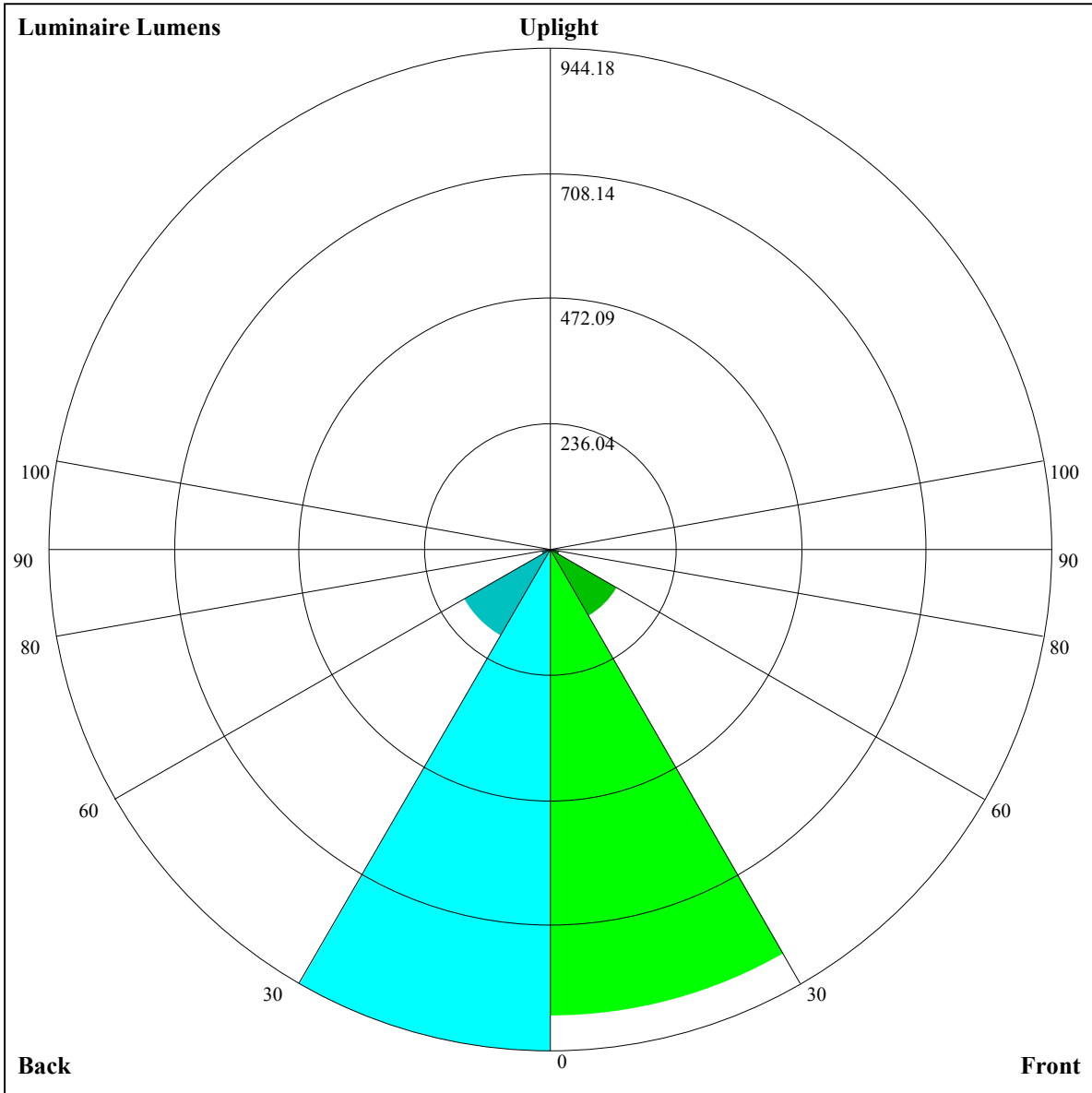
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.73	0.76	0.74	0.72	0.71
4	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.63
6	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.67	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.53	0.50	0.49





Luminaire Lumens:

FL=880.55,FM=145.12,FH=17,FVH=6.04

BL=944.18,BM=187.03,BH=17.34,BVH=6.34

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	3671.76	3654.79	3631.38	3605.63	3562.32	3520.19	3454.06	3393.78	3321.80
45.0	3687.56	3686.39	3674.10	3647.18	3623.77	3593.93	3558.81	3501.46	3445.28
90.0	3699.27	3689.90	3668.83	3644.84	3617.92	3584.56	3533.06	3479.22	3417.19
135.0	3697.51	3701.61	3699.85	3686.98	3662.40	3634.31	3599.78	3550.62	3502.63
180.0	3671.76	3685.81	3689.32	3687.56	3677.61	3654.79	3631.96	3605.63	3571.10
225.0	3687.56	3685.22	3674.10	3655.96	3634.31	3603.29	3574.03	3535.99	3478.64
270.0	3699.27	3694.00	3685.81	3670.00	3640.16	3615.58	3589.24	3554.13	3501.46
315.0	3697.51	3686.39	3666.49	3644.84	3610.31	3579.29	3533.06	3485.07	3427.72
360.0	3671.76	3654.79	3631.38	3605.63	3562.32	3520.19	3454.06	3393.78	3321.80
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3224.65	3139.21	3053.18	2963.05	2841.91	2735.40	2624.21	2504.82	2348.57
45.0	3382.07	3289.61	3210.60	3102.92	3013.38	2920.92	2817.92	2680.39	2564.51
90.0	3349.89	3252.15	3167.88	3080.68	2967.15	2868.83	2761.74	2621.87	2505.99
135.0	3447.62	3383.83	3291.95	3217.04	3133.35	3022.75	2925.60	2797.43	2685.66
180.0	3523.70	3473.37	3404.31	3334.67	3256.84	3153.84	3071.90	2979.44	2858.88
225.0	3422.45	3362.76	3271.47	3193.05	3114.04	3005.19	2915.65	2815.58	2707.89
270.0	3451.13	3393.78	3328.23	3231.09	3147.98	3063.13	2974.17	2853.62	2749.45
315.0	3363.35	3275.56	3195.97	3111.11	3022.75	2909.80	2807.97	2700.29	2587.34
360.0	3224.65	3139.21	3053.18	2963.05	2841.91	2735.40	2624.21	2504.82	2348.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2221.57	2091.07	1927.20	1806.65	1689.60	1547.39	1429.18	1151.96	1151.96
45.0	2443.37	2321.65	2159.54	2023.18	1896.77	1747.54	1630.50	1514.62	1364.80
90.0	2387.78	2223.91	2093.41	1961.15	1837.67	1688.43	1574.31	1461.95	1154.47
135.0	2570.37	2448.64	2289.46	2161.29	2033.72	1907.89	1761.00	1643.37	1528.67
180.0	2754.71	2650.54	2528.23	2370.80	2245.57	2118.57	1990.41	1839.42	1722.96
225.0	2595.53	2439.28	2308.19	2178.85	2017.91	1894.43	1778.56	1639.27	1531.01
270.0	2635.91	2496.04	2359.69	2198.75	2067.07	1937.74	1788.51	1674.97	1564.36
315.0	2435.18	2305.85	2141.40	2007.97	1883.31	1735.84	1622.30	1509.94	1152.60
360.0	2221.57	2091.07	1927.20	1806.65	1689.60	1547.39	1429.18	1151.96	1151.96
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1031.58	918.16	800.24	666.51	561.58	462.15	371.73	268.03	196.75
45.0	1241.32	1089.16	973.29	859.17	748.56	642.64	513.89	419.66	334.22
90.0	1154.47	1067.10	920.09	812.23	698.88	567.14	467.71	375.89	274.12
135.0	1415.72	1268.83	1148.27	1003.13	888.43	780.16	644.39	541.39	443.07
180.0	1614.11	1478.34	1361.88	1212.64	1092.67	972.70	854.49	715.20	609.86
225.0	1305.11	1153.83	1153.83	1032.63	886.15	773.96	666.04	562.69	440.97
270.0	1453.76	1307.45	1191.58	1073.36	959.24	809.42	698.82	591.14	465.31
315.0	1152.60	1123.11	1003.78	885.97	746.57	637.02	532.96	413.93	327.08
360.0	1031.58	918.16	800.24	666.51	561.58	462.15	371.73	268.03	196.75
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	126.41	91.24	74.91	65.14	59.05	53.67	48.28	45.00	42.37
45.0	313.74	222.68	117.28	87.32	73.45	66.25	60.51	51.97	48.16
90.0	203.78	146.60	105.05	79.24	70.52	63.26	57.59	51.32	47.64
135.0	352.95	310.81	310.81	126.23	93.05	75.79	67.53	60.69	54.19
180.0	509.20	414.40	309.64	309.64	218.87	117.28	82.46	71.98	64.08
225.0	352.42	272.60	203.19	134.54	96.45	74.50	66.13	59.52	53.02
270.0	372.85	311.40	311.40	142.62	101.95	77.19	68.94	61.98	55.95
315.0	249.25	169.36	118.10	81.58	70.81	63.97	58.05	52.61	47.52
360.0	126.41	91.24	74.91	65.14	59.05	53.67	48.28	45.00	42.37

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	40.09	38.16	35.93	34.35	32.77	31.02	29.79	28.68	27.39
45.0	44.48	42.02	39.85	37.92	35.70	34.00	32.48	31.08	29.50
90.0	44.54	41.32	39.21	37.22	35.05	33.47	32.01	30.31	29.14
135.0	50.04	46.58	42.84	40.44	37.92	35.93	34.24	32.66	30.90
180.0	58.11	51.79	47.29	44.30	41.79	39.68	37.34	35.64	33.94
225.0	48.98	45.65	42.37	40.09	38.16	36.34	34.24	32.66	31.19
270.0	50.21	46.64	43.89	41.32	38.86	37.04	35.23	33.30	31.72
315.0	44.42	41.96	39.85	37.57	35.93	34.29	32.42	31.02	29.38
360.0	40.09	38.16	35.93	34.35	32.77	31.02	29.79	28.68	27.39
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.45	25.40	24.40	23.47	22.59	21.59	20.37	19.55	18.67
45.0	28.44	27.45	26.57	25.40	24.40	23.17	22.18	21.30	20.13
90.0	28.03	27.04	25.87	24.87	23.94	22.94	21.71	20.72	19.72
135.0	29.67	28.50	27.51	26.57	25.34	24.40	23.35	22.12	21.19
180.0	32.42	30.55	29.26	28.21	27.04	26.04	25.16	23.94	23.00
225.0	29.90	28.44	27.45	26.51	25.34	24.29	23.17	22.18	21.19
270.0	30.02	28.91	27.80	26.74	25.63	24.64	23.70	22.77	21.54
315.0	28.32	27.39	26.16	25.28	24.35	23.41	22.24	21.30	20.37
360.0	26.45	25.40	24.40	23.47	22.59	21.59	20.37	19.55	18.67
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.73	17.09	16.50	15.86	15.45	15.39	15.39	15.63	15.68
45.0	19.25	18.43	17.73	17.03	16.56	15.98	15.74	15.68	15.74
90.0	18.96	18.20	17.32	16.74	16.15	15.57	15.45	15.45	15.39
135.0	20.01	19.08	18.26	17.38	16.91	16.39	15.74	15.22	15.16
180.0	22.00	20.72	19.78	18.96	17.97	17.26	16.68	15.98	15.45
225.0	20.19	19.25	18.26	17.56	16.91	16.15	15.63	15.39	15.22
270.0	20.42	19.49	18.38	17.73	17.09	16.33	15.68	15.27	15.16
315.0	19.43	18.32	17.62	17.03	16.27	15.74	15.45	15.39	15.39
360.0	17.73	17.09	16.50	15.86	15.45	15.39	15.39	15.63	15.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.74	15.74	15.68	15.51	15.33	15.16	14.81	14.22	13.34
45.0	15.86	15.92	15.92	15.86	15.86	15.74	15.57	15.27	14.75
90.0	15.51	15.57	15.57	15.63	15.51	15.33	15.16	14.75	14.22
135.0	15.16	15.22	15.27	15.27	15.27	15.16	14.98	14.81	14.51
180.0	15.16	15.16	15.10	15.16	15.10	15.04	14.98	14.86	14.69
225.0	15.22	15.22	15.27	15.27	15.27	15.16	14.92	14.75	14.46
270.0	15.16	15.16	15.33	15.33	15.27	15.27	15.16	14.92	14.75
315.0	15.51	15.57	15.57	15.51	15.39	15.22	15.04	14.75	14.40
360.0	15.74	15.74	15.68	15.51	15.33	15.16	14.81	14.22	13.34
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	11.47	10.59	10.07	9.77	9.60	9.48	9.54	9.48
45.0	14.16	13.23	12.00	11.18	10.24	9.89	9.66	9.54	9.42
90.0	13.58	12.87	11.76	10.94	10.18	9.83	9.66	9.48	9.42
135.0	14.16	13.52	12.82	12.06	11.18	10.53	9.95	9.71	9.54
180.0	14.46	14.16	13.52	13.11	12.52	11.59	10.83	10.18	9.83
225.0	14.05	13.52	13.05	12.06	11.24	10.59	10.12	9.83	9.54
270.0	14.51	14.05	13.34	12.41	11.29	10.53	10.01	9.77	9.54
315.0	13.87	12.99	11.94	11.12	10.42	9.95	9.66	9.54	9.42
360.0	12.47	11.47	10.59	10.07	9.77	9.60	9.48	9.54	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.42
90.0	9.42
135.0	9.48
180.0	9.66
225.0	9.48
270.0	9.42
315.0	9.48
360.0	9.48