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NT

Client:

LumCAT: 3-2886-L

Luminaire: 92.70.412.00

Report No: 2024817-B006

Ballast type: AC

Test No: 2024817-C006

Voltage(V): 34.660

LampCAT: CITIZEN CLU038

Current(A): 0.447

Lamp flux(lm): 2445.0

Power (W): 15.493

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2326.94, Efficiency(%): 95.17% , Luminous Efficacy(lm/W): 150.19

Central intensity(cd): 2604.017, Maximum intensity(cd): 2604.017

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Field angle(10%Imax): [C0/180]Total=80.8

[C90/270]Total=80.8

Maximum s/h(1/2): C0_180=0.95 C90_270=0.95

Maximum s/h(1/4): C0_180=0.88 C90_270=0.88

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.17%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.233%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/17
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	2604.017	0.000	0	0.00%	0.00%
1.0	2601.091	2.491	2.491	0.10%	0.11%
2.0	2595.239	7.458	9.949	0.31%	0.43%
3.0	2595.385	12.414	22.363	0.51%	0.96%
4.0	2590.703	17.359	39.723	0.71%	1.71%
5.0	2586.241	22.271	61.994	0.91%	2.66%
6.0	2581.120	27.156	89.149	1.11%	3.83%
7.0	2574.536	32.001	121.15	1.31%	5.21%
8.0	2566.416	36.793	157.943	1.50%	6.79%
9.0	2555.005	41.506	199.45	1.70%	8.57%
10.0	2540.154	46.109	245.559	1.89%	10.55%
11.0	2523.110	50.592	296.151	2.07%	12.73%
12.0	2501.895	54.931	351.082	2.25%	15.09%
13.0	2475.780	59.072	410.154	2.42%	17.63%
14.0	2446.226	63.001	473.156	2.58%	20.33%
15.0	2412.941	66.709	539.864	2.73%	23.20%
16.0	2370.878	70.096	609.961	2.87%	26.21%
17.0	2325.743	73.139	683.1	2.99%	29.36%
18.0	2271.170	75.793	758.893	3.10%	32.61%
19.0	2223.182	78.193	837.085	3.20%	35.97%
20.0	2162.904	80.278	917.363	3.28%	39.42%
21.0	2104.528	81.943	999.306	3.35%	42.95%
22.0	2041.909	83.324	1082.631	3.41%	46.53%
23.0	1975.632	84.299	1166.929	3.45%	50.15%
24.0	1902.186	84.783	1251.713	3.47%	53.79%
25.0	1817.694	84.582	1336.294	3.46%	57.43%
26.0	1723.839	83.598	1419.893	3.42%	61.02%
27.0	1616.596	81.724	1501.617	3.34%	64.53%
28.0	1457.232	77.823	1579.44	3.18%	67.88%
29.0	1344.598	73.304	1652.744	3.00%	71.03%
30.0	1240.216	69.789	1722.533	2.85%	74.03%
31.0	1143.032	66.322	1788.856	2.71%	76.88%
32.0	1036.967	62.454	1851.31	2.55%	79.56%
33.0	921.334	57.692	1909.002	2.36%	82.04%
34.0	811.085	52.428	1961.431	2.14%	84.29%
35.0	696.835	46.830	2008.261	1.92%	86.30%
36.0	595.240	41.140	2049.401	1.68%	88.07%
37.0	497.602	35.642	2085.043	1.46%	89.60%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	411.355	30.340	2115.383	1.24%	90.91%
39.0	326.468	25.184	2140.567	1.03%	91.99%
40.0	273.300	20.918	2161.485	0.86%	92.89%
41.0	243.337	18.397	2179.882	0.75%	93.68%
42.0	188.969	15.706	2195.588	0.64%	94.36%
43.0	141.895	12.256	2207.844	0.50%	94.88%
44.0	121.551	9.943	2217.788	0.41%	95.31%
45.0	105.384	8.721	2226.509	0.36%	95.68%
46.0	91.002	7.680	2234.189	0.31%	96.01%
47.0	79.020	6.762	2240.952	0.28%	96.30%
48.0	68.530	5.965	2246.916	0.24%	96.56%
49.0	59.642	5.263	2252.18	0.22%	96.79%
50.0	52.831	4.689	2256.869	0.19%	96.99%
51.0	46.533	4.204	2261.073	0.17%	97.17%
52.0	41.661	3.784	2264.858	0.15%	97.33%
53.0	37.396	3.439	2268.296	0.14%	97.48%
54.0	33.628	3.130	2271.427	0.13%	97.61%
55.0	30.593	2.867	2274.294	0.12%	97.74%
56.0	27.923	2.644	2276.938	0.11%	97.85%
57.0	25.626	2.448	2279.386	0.10%	97.96%
58.0	23.694	2.281	2281.667	0.09%	98.05%
59.0	22.041	2.138	2283.805	0.09%	98.15%
60.0	20.658	2.017	2285.822	0.08%	98.23%
61.0	19.422	1.913	2287.735	0.08%	98.32%
62.0	18.522	1.828	2289.563	0.07%	98.39%
63.0	17.652	1.759	2291.323	0.07%	98.47%
64.0	16.979	1.699	2293.022	0.07%	98.54%
65.0	16.452	1.654	2294.677	0.07%	98.61%
66.0	16.094	1.624	2296.3	0.07%	98.68%
67.0	15.860	1.607	2297.907	0.07%	98.75%
68.0	15.655	1.596	2299.503	0.07%	98.82%
69.0	15.450	1.587	2301.09	0.06%	98.89%
70.0	15.091	1.569	2302.659	0.06%	98.96%
71.0	14.631	1.536	2304.195	0.06%	99.02%
72.0	14.067	1.492	2305.687	0.06%	99.09%
73.0	13.533	1.443	2307.131	0.06%	99.15%
74.0	13.021	1.396	2308.527	0.06%	99.21%
75.0	12.560	1.352	2309.878	0.06%	99.27%

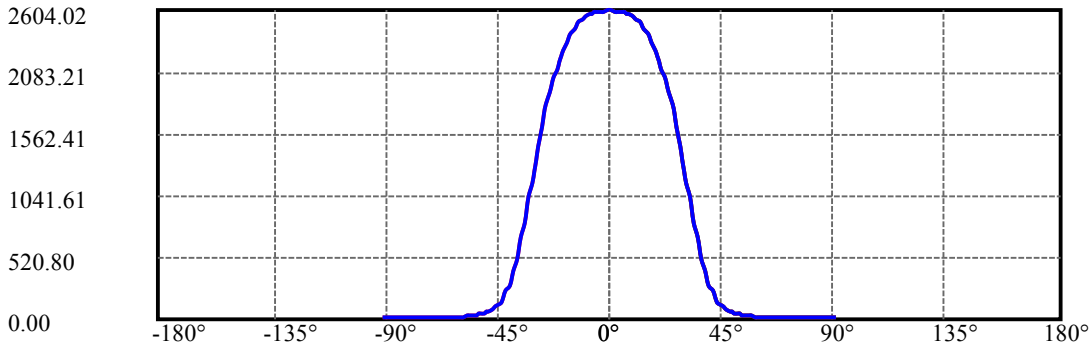
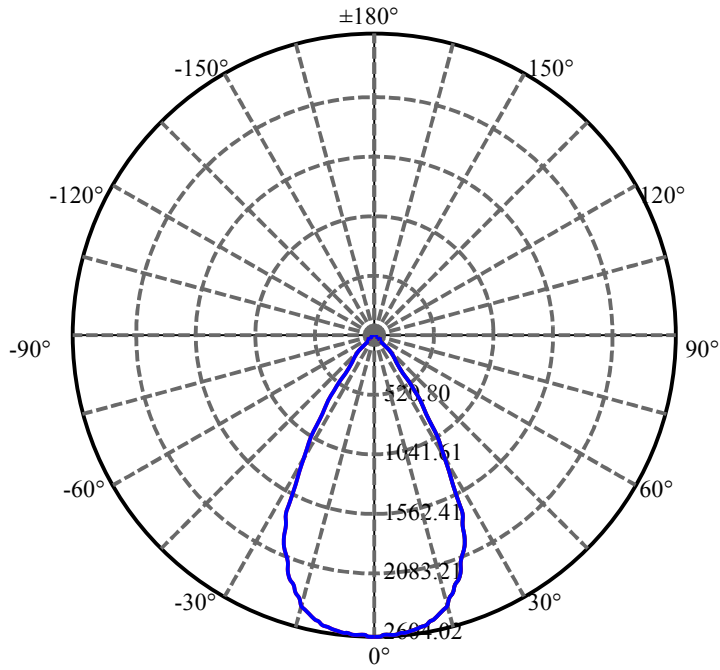
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.100	1.309	2311.187	0.05%	99.32%
77.0	11.617	1.264	2312.452	0.05%	99.38%
78.0	11.244	1.224	2313.675	0.05%	99.43%
79.0	10.922	1.191	2314.866	0.05%	99.48%
80.0	10.673	1.164	2316.031	0.05%	99.53%
81.0	10.483	1.144	2317.175	0.05%	99.58%
82.0	10.315	1.128	2318.302	0.05%	99.63%
83.0	10.198	1.115	2319.418	0.05%	99.68%
84.0	10.081	1.105	2320.522	0.05%	99.72%
85.0	9.971	1.094	2321.617	0.04%	99.77%
86.0	9.868	1.084	2322.701	0.04%	99.82%
87.0	9.759	1.074	2323.775	0.04%	99.86%
88.0	9.693	1.066	2324.841	0.04%	99.91%
89.0	9.612	1.058	2325.899	0.04%	99.96%
90.0	9.444	1.045	2326.944	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1722.53	70.45%	74.03%
0-40	2161.48	88.40%	92.89%
0-60	2285.82	93.49%	98.23%
0-90	2325.90	95.13%	99.96%
0-120	2325.90	95.13%	99.96%
0-180	2326.94	95.17%	100.00%
60-90	40.08	1.64%	1.72%
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%
0-32.18	1861.56	76.14%	80.00%

ZONAL LUMEN SUMMARY

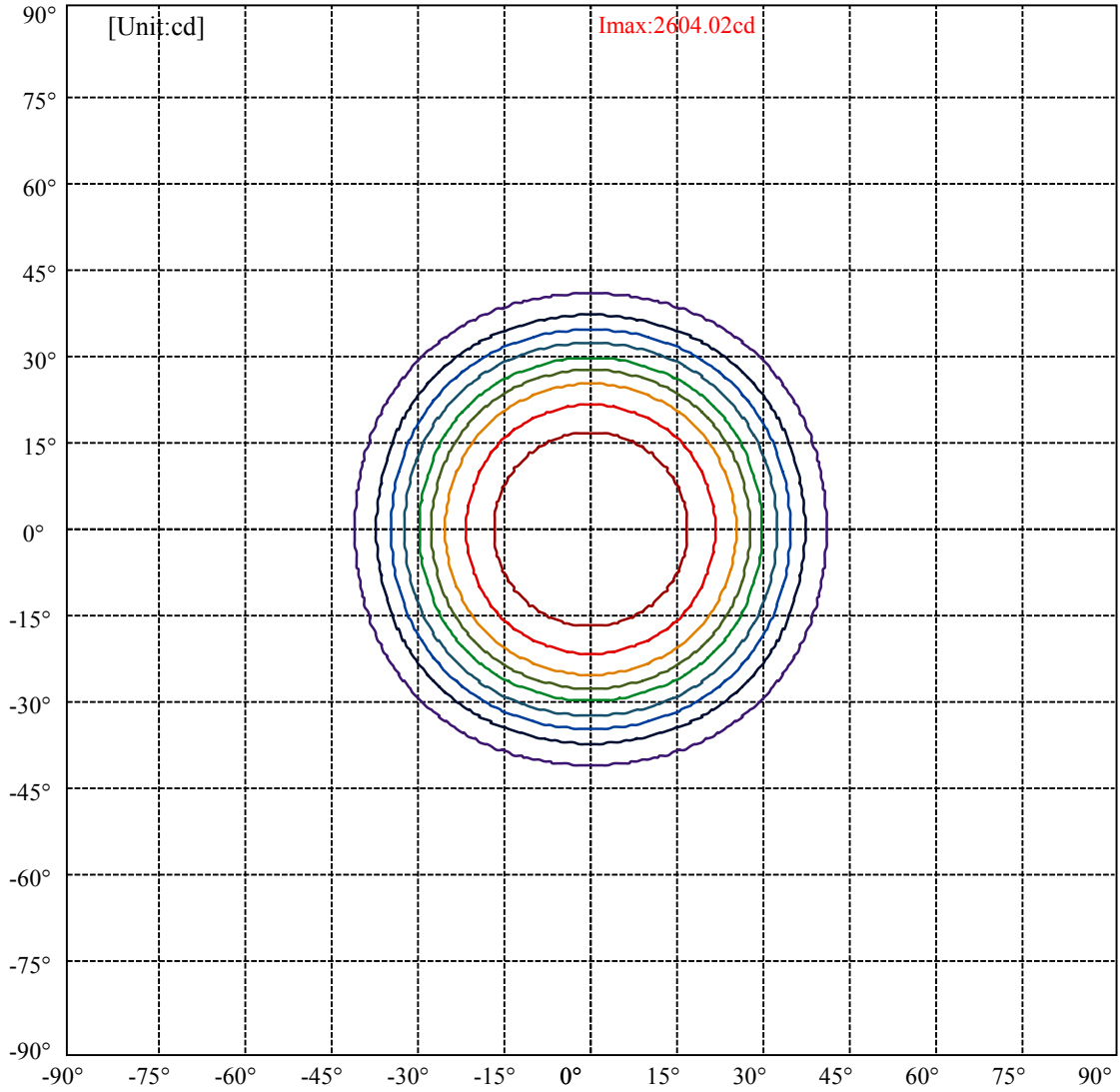
0-10	245.56
10-20	671.80
20-30	805.17
30-40	438.95
40-50	95.38
50-60	28.95
60-70	16.84
70-80	13.37
80-90	9.87
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



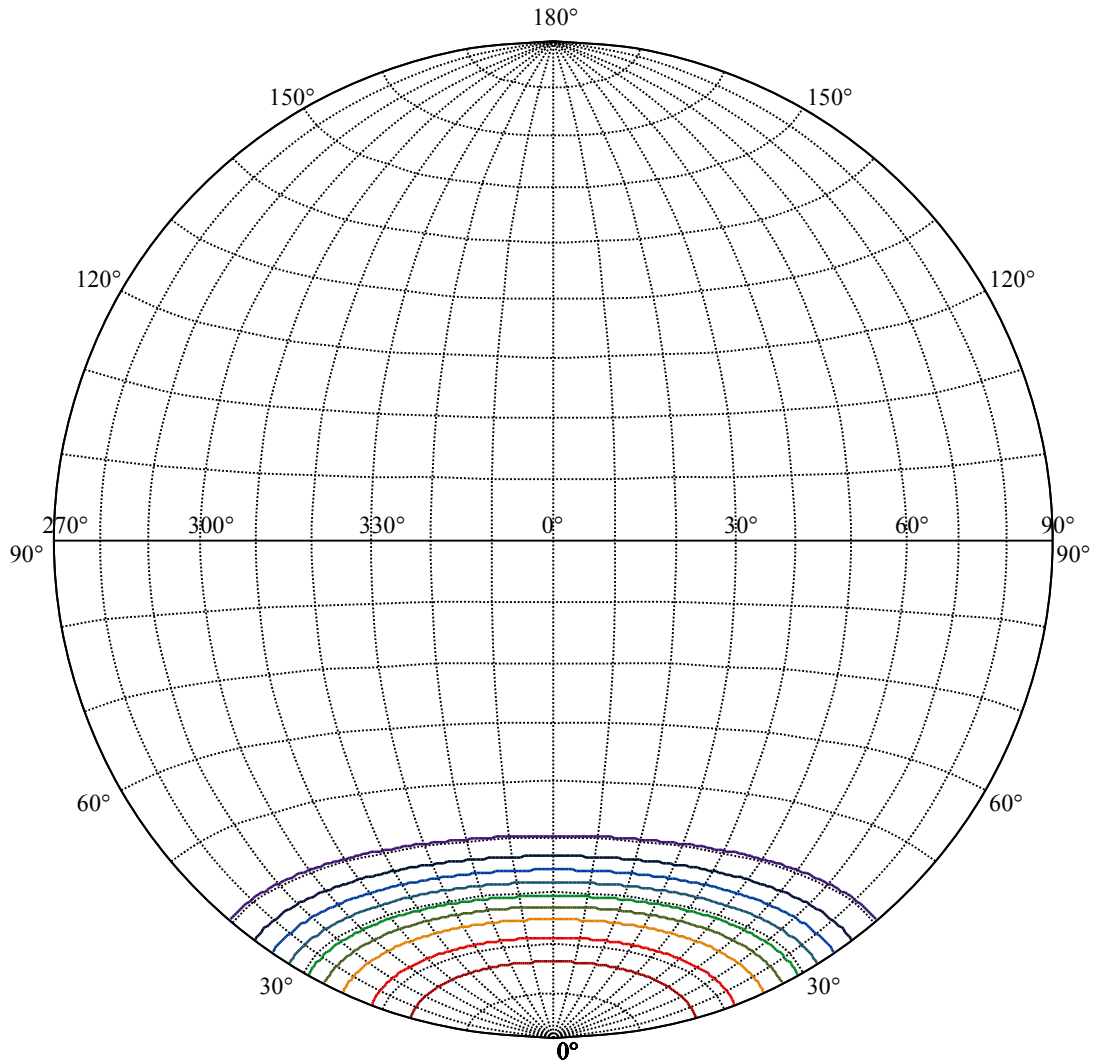
C0(Max): ———
C0/C180: ———
C90/C270: ———

Field angle(10%Imax):C0/180Left:40.4 Right:40.4
:C90/270Left:40.4 Right:40.4

Beam Angle(50%Imax):C0/180Left:29.4 Right:29.4
:C90/270Left:29.4 Right:29.4



(10%Imax) 260.402	—
(20%Imax) 520.803	—
(30%Imax) 781.205	—
(40%Imax) 1041.61	—
(50%Imax) 1302.01	—
(60%Imax) 1562.41	—
(70%Imax) 1822.81	—
(80%Imax) 2083.21	—
(90%Imax) 2343.62	—



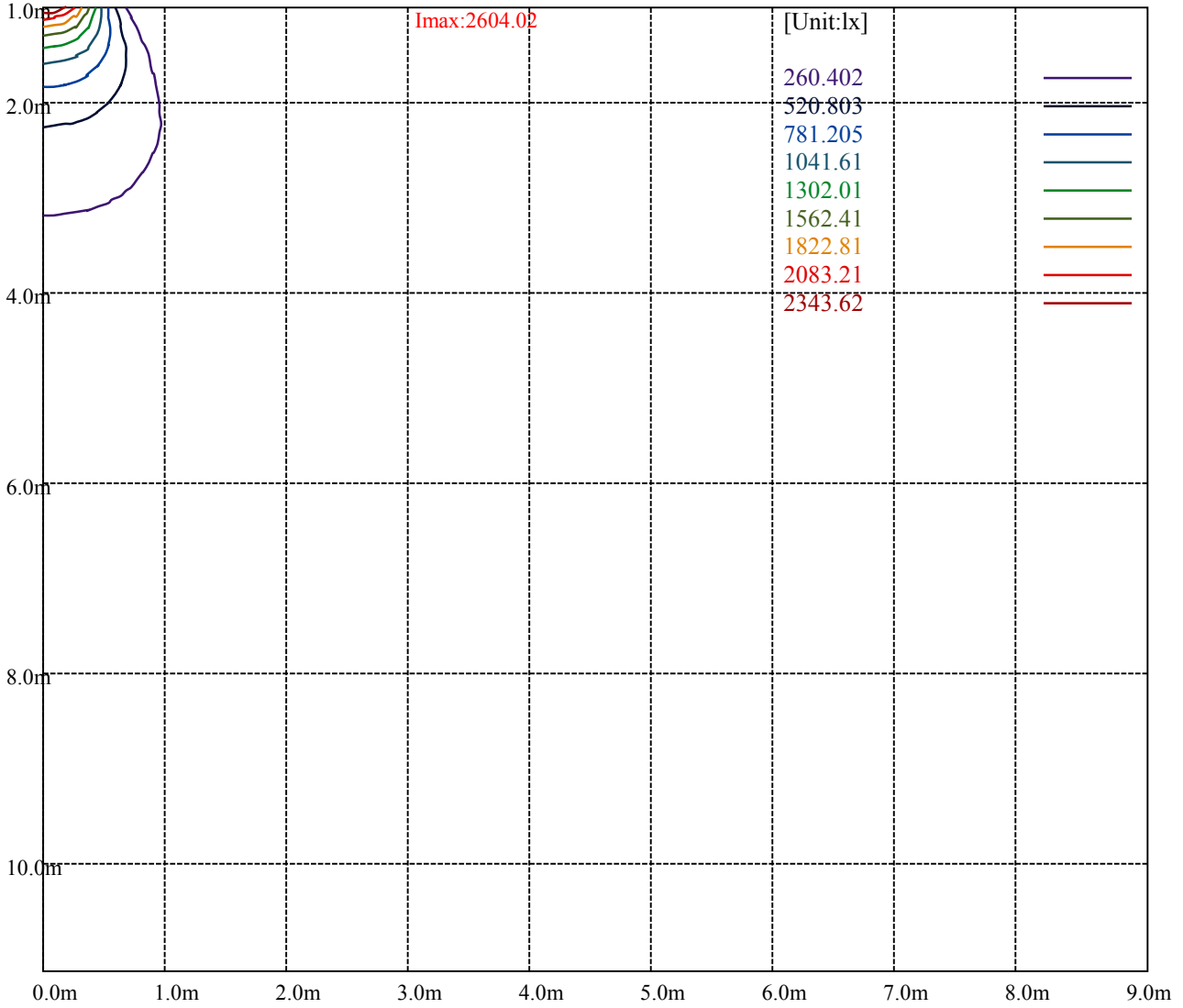
House

[Unit:cd]

Road

Imax:2604.02

(10%Imax) 260.402	—
(20%Imax) 520.803	—
(30%Imax) 781.205	—
(40%Imax) 1041.61	—
(50%Imax) 1302.01	—
(60%Imax) 1562.41	—
(70%Imax) 1822.81	—
(80%Imax) 2083.21	—
(90%Imax) 2343.62	—



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

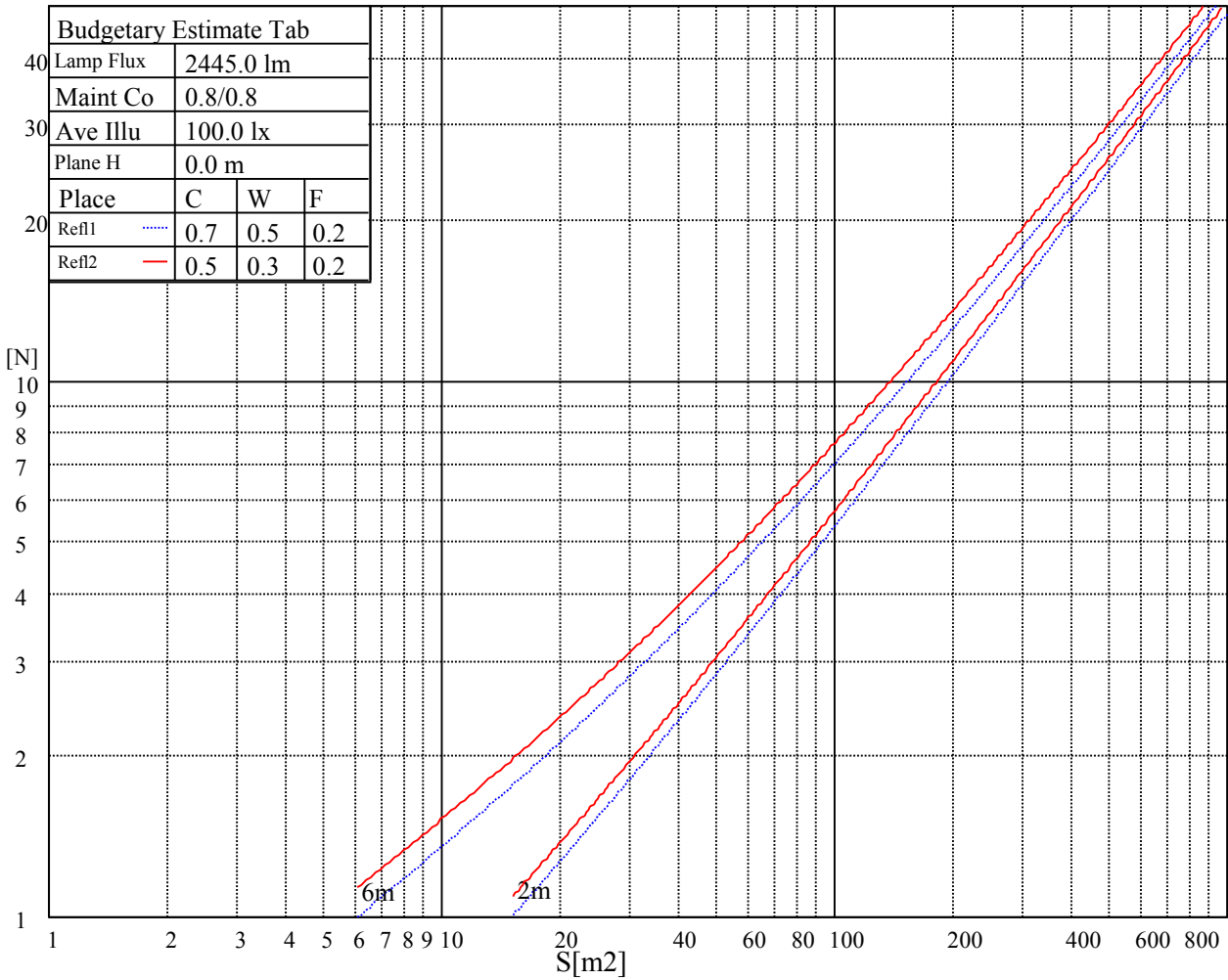
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

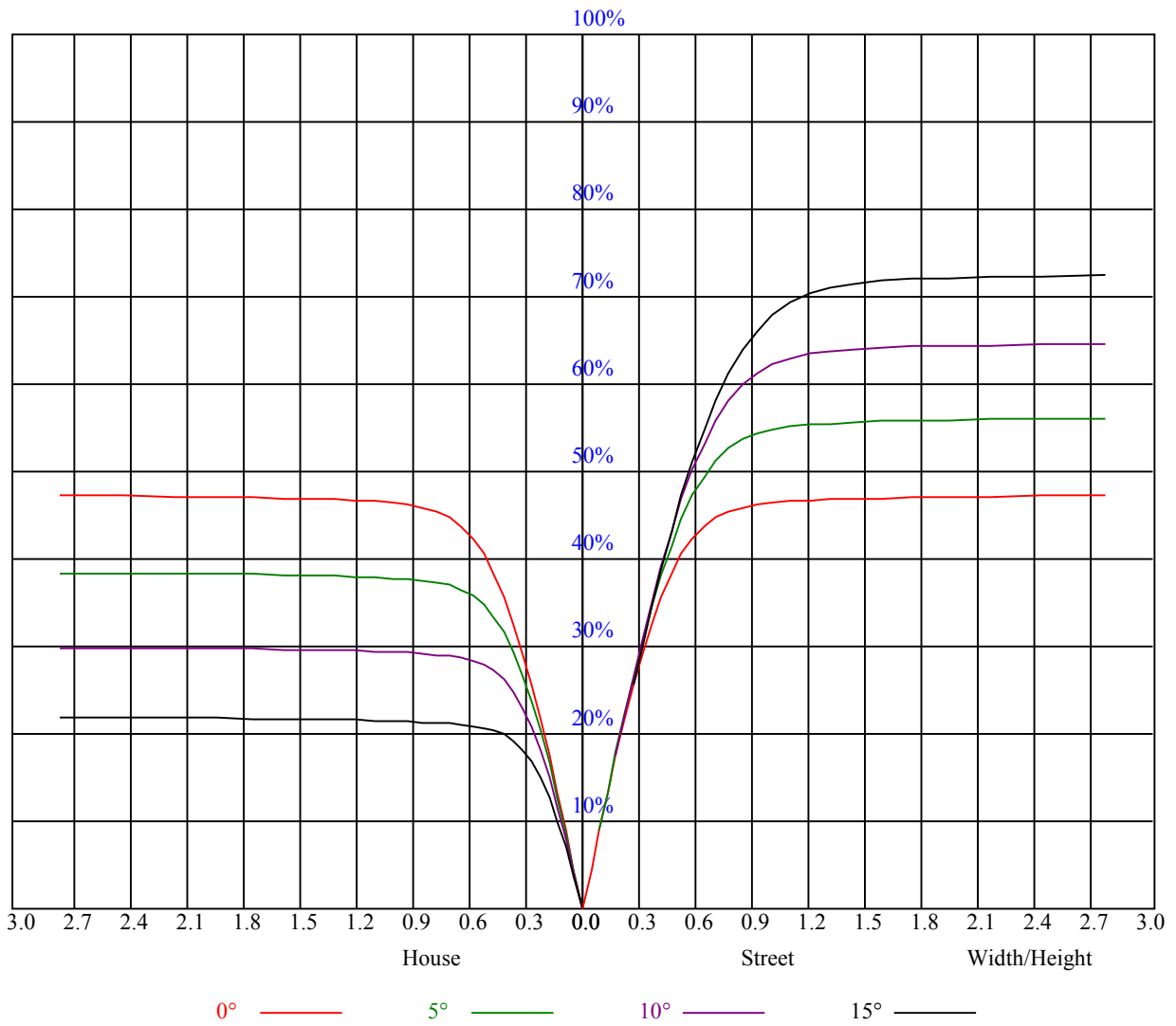


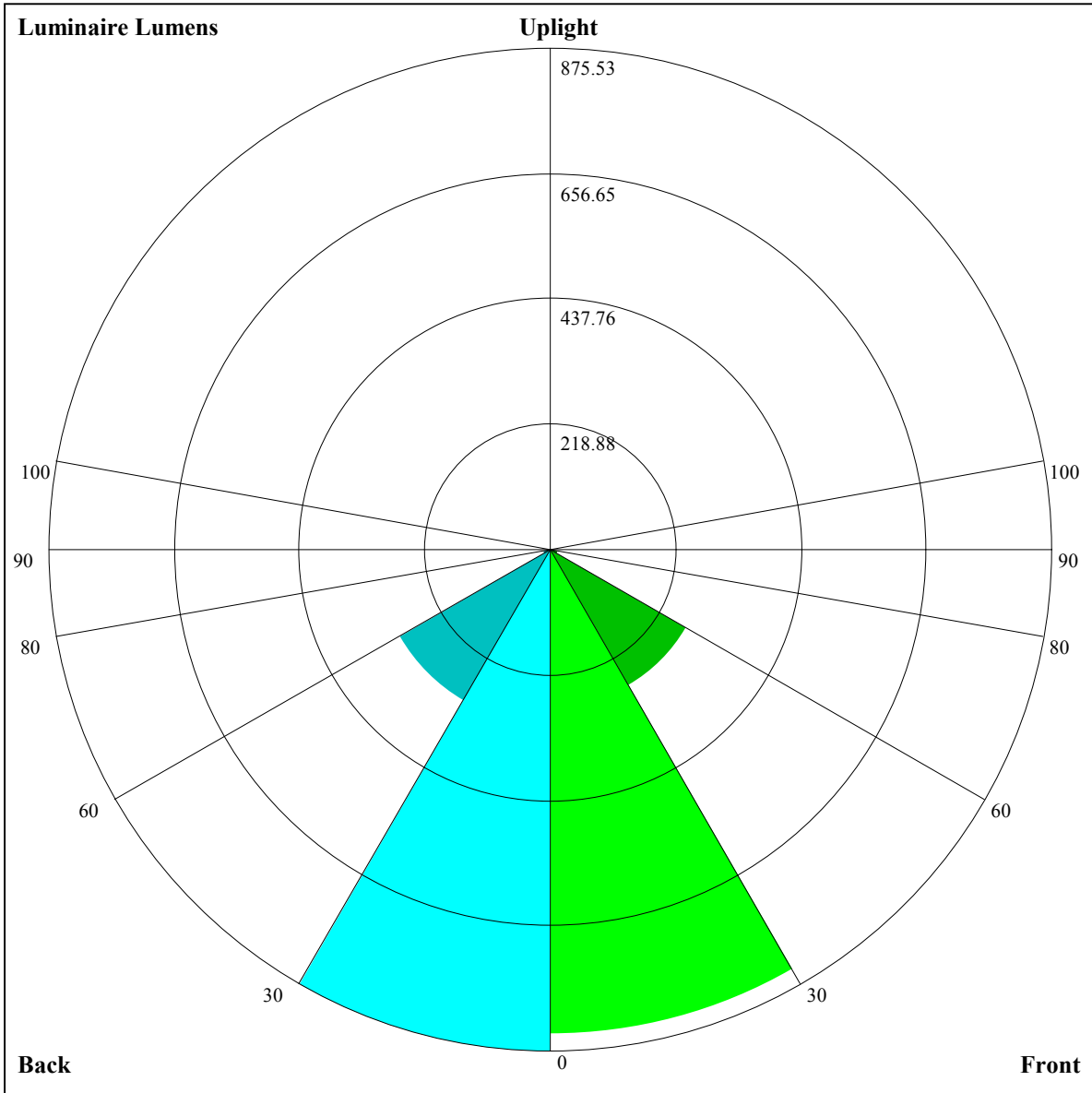
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.82
3	0.91	0.86	0.83	0.90	0.86	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	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.72
5	0.80	0.75	0.70	0.79	0.74	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.70	0.67	0.64	0.63
7	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.59
8	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.55
9	0.63	0.58	0.54	0.63	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.53	0.60	0.56	0.53	0.52
10	0.60	0.54	0.51	0.59	0.54	0.51	0.59	0.54	0.51	0.58	0.54	0.50	0.57	0.53	0.50	0.49





Luminaire Lumens:

FL=847.6,FM=273.6,FH=14.25,FVH=5.43

BL=875.53,BM=304.37,BH=15.19,BVH=5.46

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	2603.14	2603.72	2601.97	2601.97	2604.31	2596.12	2594.36	2584.41	2573.88
45.0	2594.95	2610.75	2629.47	2649.96	2658.74	2656.39	2657.57	2643.52	2628.89
90.0	2618.94	2641.18	2651.71	2662.83	2666.34	2656.39	2642.35	2630.06	2604.89
135.0	2599.04	2611.92	2618.94	2627.72	2620.70	2603.72	2594.95	2583.83	2567.44
180.0	2603.14	2596.70	2587.34	2575.05	2556.32	2549.30	2526.47	2524.13	2525.30
225.0	2594.95	2570.95	2556.32	2557.49	2559.83	2575.63	2589.68	2594.95	2600.80
270.0	2618.94	2599.04	2560.42	2531.16	2515.94	2511.84	2519.45	2519.45	2519.45
315.0	2599.04	2574.46	2555.74	2556.91	2543.45	2540.52	2524.13	2515.94	2510.67
360.0	2603.14	2603.72	2601.97	2601.97	2604.31	2596.12	2594.36	2584.41	2573.88
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2552.22	2537.01	2517.70	2493.12	2453.91	2414.70	2379.58	2333.94	2268.98
45.0	2606.65	2583.24	2553.98	2498.38	2466.20	2428.74	2383.68	2332.18	2290.04
90.0	2583.24	2553.98	2527.65	2500.72	2454.49	2412.36	2363.20	2318.72	2265.46
135.0	2549.88	2538.76	2518.28	2508.33	2493.70	2469.12	2451.57	2417.04	2388.95
180.0	2527.65	2524.13	2510.67	2503.65	2492.53	2478.49	2463.86	2435.76	2401.82
225.0	2602.55	2597.87	2585.00	2562.76	2541.69	2497.80	2455.66	2402.99	2343.88
270.0	2524.13	2517.11	2513.60	2508.33	2491.36	2473.22	2452.74	2414.70	2375.49
315.0	2493.70	2469.12	2458.00	2439.86	2412.36	2395.38	2353.25	2311.70	2271.32
360.0	2552.22	2537.01	2517.70	2493.12	2453.91	2414.70	2379.58	2333.94	2268.98
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2213.96	2164.81	2091.07	2022.60	1944.18	1875.70	1790.26	1694.28	1563.78
45.0	2239.71	2190.56	2126.18	2074.68	2030.79	1959.39	1902.62	1824.79	1742.27
90.0	2207.53	2164.22	2108.62	2065.32	2001.53	1946.52	1889.75	1824.79	1724.13
135.0	2353.25	2302.92	2252.00	2207.53	2159.54	2105.70	2029.03	1958.81	1877.46
180.0	2361.44	2323.40	2271.32	2202.26	2131.45	2067.07	2000.36	1900.87	1818.35
225.0	2267.81	2209.87	2150.76	2088.73	2006.80	1934.81	1840.01	1758.66	1665.02
270.0	2316.96	2269.56	2215.72	2147.25	2082.29	2030.20	1969.93	1885.65	1797.28
315.0	2208.70	2160.12	2087.56	2027.86	1978.70	1885.65	1795.53	1693.70	1602.40
360.0	2213.96	2164.81	2091.07	2022.60	1944.18	1875.70	1790.26	1694.28	1563.78
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1455.51	1139.90	1139.90	1084.07	974.34	862.91	754.24	625.61	527.00
45.0	1649.22	1551.49	1424.50	1317.99	1212.64	1110.23	968.61	860.92	755.00
90.0	1634.01	1532.76	1405.77	1141.54	1141.54	1087.70	957.84	849.45	724.98
135.0	1759.24	1650.39	1539.20	1400.50	1291.06	1179.29	1049.37	945.20	841.61
180.0	1721.79	1581.92	1464.88	1343.15	1195.09	1076.29	963.34	826.40	721.06
225.0	1538.62	1434.44	1144.93	1144.93	1091.09	988.04	885.27	782.62	657.56
270.0	1708.92	1615.86	1486.53	1368.31	1257.71	1123.69	1013.67	910.08	784.26
315.0	1465.46	1151.08	1151.08	1121.23	980.78	867.60	778.35	688.40	563.22
360.0	1455.51	1139.90	1139.90	1084.07	974.34	862.91	754.24	625.61	527.00
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	436.99	335.16	262.18	185.52	143.20	116.69	100.31	82.75	71.22
45.0	626.25	526.18	434.88	330.71	311.40	311.40	153.33	132.85	115.52
90.0	625.14	536.24	450.86	355.47	290.92	243.98	211.56	180.78	159.18
135.0	714.03	615.72	524.42	436.05	359.97	307.89	307.89	185.22	157.25
180.0	624.49	529.10	422.01	343.59	306.72	306.72	140.75	112.36	92.58
225.0	568.96	480.70	395.44	300.69	237.19	185.93	147.30	126.58	104.35
270.0	688.28	574.16	489.31	412.06	338.90	303.79	303.79	189.55	165.74
315.0	477.78	383.56	311.75	247.67	198.10	170.30	146.83	125.06	106.57
360.0	436.99	335.16	262.18	185.52	143.20	116.69	100.31	82.75	71.22

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	61.62	54.07	46.35	41.14	37.10	33.77	30.31	28.09	25.63
45.0	96.50	83.86	72.92	63.38	53.90	47.34	42.19	37.75	33.53
90.0	139.69	118.74	104.17	88.90	77.89	68.65	58.35	51.50	45.59
135.0	139.17	122.31	104.40	92.58	80.18	70.93	64.26	58.99	52.44
180.0	79.88	69.29	58.82	51.73	45.82	39.62	35.76	32.48	29.61
225.0	90.07	78.24	68.00	57.41	50.33	44.77	39.91	34.94	31.66
270.0	143.61	120.67	105.28	91.76	76.78	67.18	57.00	49.63	43.66
315.0	92.52	80.82	72.22	61.33	55.13	50.39	44.48	39.91	37.04
360.0	61.62	54.07	46.35	41.14	37.10	33.77	30.31	28.09	25.63
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.11	22.71	21.01	20.07	19.20	18.08	17.44	16.85	16.33
45.0	30.37	27.74	25.34	23.29	21.59	20.01	18.67	17.62	16.68
90.0	39.74	34.29	30.43	26.63	24.05	21.24	19.02	17.67	16.68
135.0	48.63	45.06	41.73	38.57	36.05	34.00	32.54	30.37	28.97
180.0	26.74	24.58	22.88	21.42	19.66	18.61	17.67	16.44	15.74
225.0	28.68	26.39	23.94	22.18	20.60	19.25	18.02	16.97	16.15
270.0	36.75	32.54	29.09	25.34	22.41	20.48	18.26	16.85	15.86
315.0	34.00	31.43	28.97	27.51	25.98	24.64	23.64	22.59	21.77
360.0	24.11	22.71	21.01	20.07	19.20	18.08	17.44	16.85	16.33
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.68	15.27	15.04	14.92	14.81	14.69	14.40	13.75	12.99
45.0	15.98	15.39	14.92	14.57	14.46	14.28	14.16	13.81	13.28
90.0	15.45	14.81	14.22	14.05	13.93	13.81	13.64	13.23	12.70
135.0	27.68	26.80	26.04	25.28	24.81	24.46	24.23	23.99	23.76
180.0	15.10	14.34	13.81	13.40	13.05	12.87	12.76	12.58	12.23
225.0	15.45	14.69	14.28	13.99	13.75	13.46	13.17	12.82	12.52
270.0	14.75	13.99	13.28	12.82	12.58	12.35	12.17	11.94	11.59
315.0	21.13	20.54	20.01	19.72	19.49	19.31	19.08	18.61	17.97
360.0	15.68	15.27	15.04	14.92	14.81	14.69	14.40	13.75	12.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.94	11.41	11.06	10.83	10.65	10.53	10.48	10.36	10.24
45.0	12.70	12.17	11.82	11.65	11.47	11.35	11.18	11.12	11.00
90.0	11.82	11.35	11.06	10.89	10.71	10.65	10.53	10.42	10.36
135.0	23.23	22.41	20.89	19.49	17.97	15.98	14.40	12.93	11.76
180.0	11.94	11.65	11.47	11.29	11.06	10.89	10.71	10.59	10.53
225.0	12.29	12.06	11.82	11.59	11.41	11.24	11.06	10.89	10.77
270.0	11.41	11.24	11.06	10.89	10.77	10.65	10.53	10.42	10.36
315.0	17.21	15.98	14.98	13.87	12.76	11.65	11.06	10.65	10.36
360.0	11.94	11.41	11.06	10.83	10.65	10.53	10.48	10.36	10.24
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.18	10.07	10.01	9.95	9.89	9.83	9.77	9.71	9.54
45.0	10.89	10.77	10.59	10.48	10.42	10.30	10.12	10.07	10.07
90.0	10.24	10.18	10.12	10.01	9.95	9.83	9.77	9.71	9.66
135.0	11.12	10.65	10.48	10.24	10.07	9.95	9.77	9.71	9.60
180.0	10.42	10.30	10.18	10.07	10.01	9.89	9.77	9.71	9.66
225.0	10.59	10.42	10.30	10.18	10.01	9.83	9.71	9.60	9.48
270.0	10.24	10.12	10.01	9.89	9.77	9.71	9.60	9.54	9.48
315.0	10.18	10.01	9.89	9.83	9.66	9.60	9.54	9.48	9.42
360.0	10.18	10.07	10.01	9.95	9.89	9.83	9.77	9.71	9.54

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.42
90.0	9.36
135.0	9.54
180.0	9.54
225.0	9.42
270.0	9.36
315.0	9.42
360.0	9.48