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Nata

LumCAT: 2-2321-M	
Luminaire: 92.70.131.00	
Report No: 210722-B001	Voltage(V): 35.0700
Test No: 210722-C001	Current(A): 0.5110
LampCAT: CITIZEN CLU038 LES14.5	Power (W): 17.9200
Lamp flux(lm): 2340.5	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 570	Width(mm): 45
Phm Type: C	Height(mm): 20

Photometric Results

Lumens(lm): 2273.79
Efficiency(%): 97.15%
Lumens(lm)/Power(W): 126.89
Central intensity(cd): 3102.188
Maximum intensity(cd): 3173.063
Angle of maximum intensity: C=202.5 γ =8.0
Beam Angle(50%Imax): [C0/180]Total=49.4
 [C90/270]Total=48.5
Field angle(10%Imax): [C0/180]Total=65.6
 [C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.80 C90_270=0.74
Maximum s/h(1/4): C0_180=0.69 C90_270=0.65
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 97.15%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.344%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3097.898	0.000	0	.000%	.000%
1.0	3098.461	2.965	2.965	.127%	.130%
2.0	3100.395	8.897	11.862	.380%	.522%
3.0	3103.805	14.838	26.7	.634%	1.174%
4.0	3105.598	20.785	47.485	.888%	2.088%
5.0	3108.375	26.732	74.217	1.142%	3.264%
6.0	3109.254	32.675	106.893	1.396%	4.701%
7.0	3106.863	38.583	145.476	1.649%	6.398%
8.0	3101.449	44.432	189.908	1.898%	8.352%
9.0	3090.656	50.184	240.091	2.144%	10.559%
10.0	3073.395	55.782	295.874	2.383%	13.012%
11.0	3053.426	61.220	357.093	2.616%	15.705%
12.0	3028.289	66.482	423.575	2.840%	18.629%
13.0	2993.203	71.460	495.035	3.053%	21.771%
14.0	2954.883	76.135	571.17	3.253%	25.120%
15.0	2912.766	80.554	651.724	3.442%	28.662%
16.0	2865.410	84.666	736.39	3.617%	32.386%
17.0	2801.461	88.248	824.639	3.770%	36.267%
18.0	2732.414	91.242	915.88	3.898%	40.280%
19.0	2655.633	93.741	1009.621	4.005%	44.402%
20.0	2554.875	95.367	1104.988	4.075%	48.597%
21.0	2436.328	95.841	1200.829	4.095%	52.812%
22.0	2309.414	95.368	1296.197	4.075%	57.006%
23.0	2167.313	93.934	1390.131	4.013%	61.137%
24.0	1991.264	90.921	1481.052	3.885%	65.136%
25.0	1818.053	86.616	1567.668	3.701%	68.945%
26.0	1653.054	81.936	1649.604	3.501%	72.548%
27.0	1474.836	76.525	1726.128	3.270%	75.914%
28.0	1278.949	69.720	1795.848	2.979%	78.980%
29.0	1083.695	61.813	1857.662	2.641%	81.699%
30.0	935.469	54.517	1912.179	2.329%	84.096%
31.0	788.277	47.969	1960.148	2.050%	86.206%
32.0	652.795	41.285	2001.433	1.764%	88.022%
33.0	541.396	35.181	2036.614	1.503%	89.569%
34.0	443.032	29.792	2066.406	1.273%	90.879%
35.0	361.600	24.989	2091.395	1.068%	91.978%
36.0	292.595	20.830	2112.225	.890%	92.894%
37.0	237.055	17.274	2129.499	.738%	93.654%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	196.555	14.473	2143.972	.618%	94.290%
39.0	160.119	12.174	2156.146	.520%	94.826%
40.0	137.359	10.375	2166.521	.443%	95.282%
41.0	110.777	8.836	2175.357	.378%	95.671%
42.0	92.549	7.387	2182.745	.316%	95.996%
43.0	78.659	6.342	2189.087	.271%	96.275%
44.0	68.288	5.546	2194.633	.237%	96.519%
45.0	59.474	4.910	2199.543	.210%	96.734%
46.0	51.469	4.339	2203.881	.185%	96.925%
47.0	45.299	3.849	2207.73	.164%	97.095%
48.0	40.138	3.454	2211.184	.148%	97.246%
49.0	35.712	3.115	2214.299	.133%	97.383%
50.0	31.750	2.813	2217.111	.120%	97.507%
51.0	28.621	2.554	2219.666	.109%	97.619%
52.0	26.111	2.349	2222.014	.100%	97.723%
53.0	23.804	2.171	2224.185	.093%	97.818%
54.0	21.800	2.010	2226.196	.086%	97.907%
55.0	20.282	1.878	2228.074	.080%	97.989%
56.0	18.967	1.774	2229.848	.076%	98.067%
57.0	17.722	1.678	2231.525	.072%	98.141%
58.0	16.787	1.596	2233.121	.068%	98.211%
59.0	16.003	1.533	2234.654	.065%	98.279%
60.0	15.289	1.478	2236.132	.063%	98.344%
61.0	14.692	1.431	2237.563	.061%	98.407%
62.0	14.214	1.393	2238.956	.060%	98.468%
63.0	13.813	1.363	2240.319	.058%	98.528%
64.0	13.472	1.339	2241.658	.057%	98.587%
65.0	13.198	1.320	2242.978	.056%	98.645%
66.0	12.966	1.305	2244.283	.056%	98.702%
67.0	12.776	1.294	2245.577	.055%	98.759%
68.0	12.614	1.286	2246.864	.055%	98.816%
69.0	12.491	1.281	2248.144	.055%	98.872%
70.0	12.393	1.278	2249.422	.055%	98.928%
71.0	12.308	1.277	2250.699	.055%	98.984%
72.0	12.224	1.276	2251.974	.055%	99.040%
73.0	12.199	1.277	2253.252	.055%	99.097%
74.0	12.182	1.282	2254.533	.055%	99.153%
75.0	12.143	1.285	2255.819	.055%	99.209%

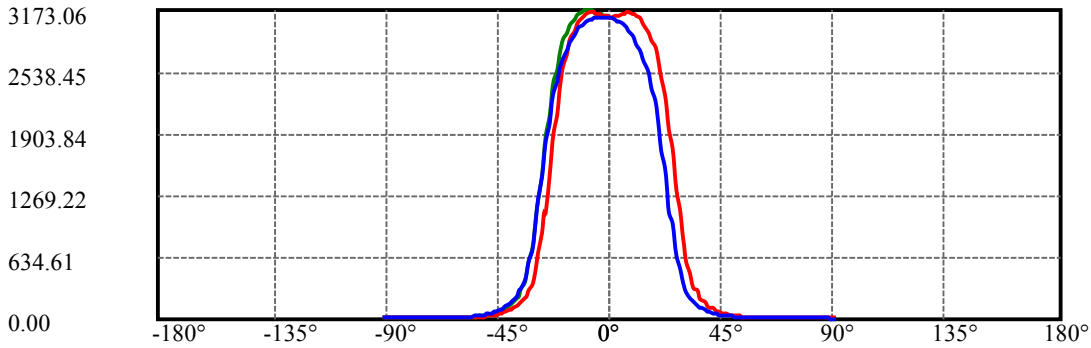
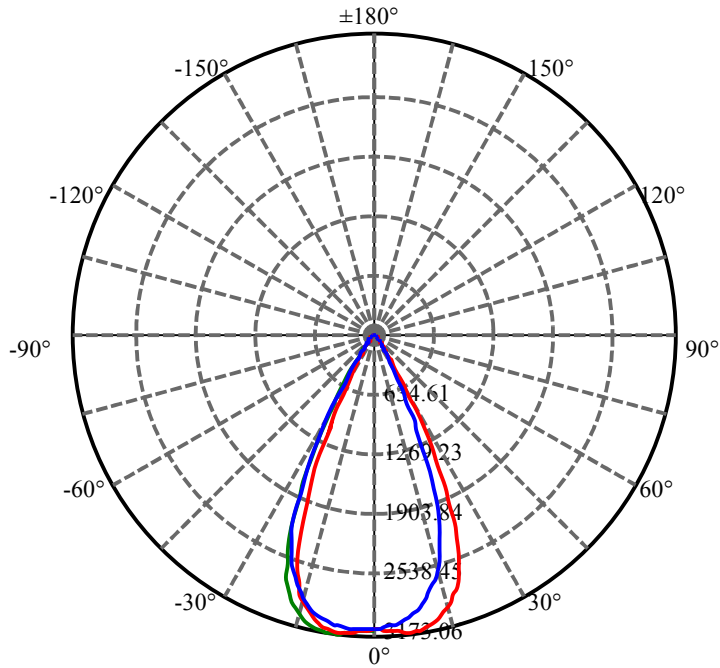
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.090	1.286	2257.105	.055%	99.266%
77.0	12.048	1.287	2258.392	.055%	99.323%
78.0	11.929	1.283	2259.675	.055%	99.379%
79.0	11.728	1.271	2260.947	.054%	99.435%
80.0	11.419	1.248	2262.194	.053%	99.490%
81.0	11.225	1.225	2263.419	.052%	99.544%
82.0	11.074	1.209	2264.628	.052%	99.597%
83.0	10.955	1.198	2265.826	.051%	99.650%
84.0	10.825	1.186	2267.012	.051%	99.702%
85.0	10.543	1.166	2268.178	.050%	99.753%
86.0	10.413	1.146	2269.324	.049%	99.803%
87.0	10.280	1.132	2270.456	.048%	99.853%
88.0	10.185	1.121	2271.577	.048%	99.902%
89.0	10.097	1.112	2272.689	.047%	99.951%
90.0	10.065	1.105	2273.795	.047%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1912.18	81.70%	84.10%
0-40	2166.52	92.57%	95.28%
0-60	2236.13	95.54%	98.34%
0-90	2272.69	97.10%	99.95%
0-120	2272.69	97.10%	99.95%
0-180	2273.79	97.15%	100.00%
60-90	38.04	1.63%	1.67%
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%
0-28.38	1819.04	77.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	295.87
10-20	809.11
20-30	807.19
30-40	254.34
40-50	50.59
50-60	19.02
60-70	13.29
70-80	12.77
80-90	10.49
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



C202.5(Max): ———

C0/C180: ———

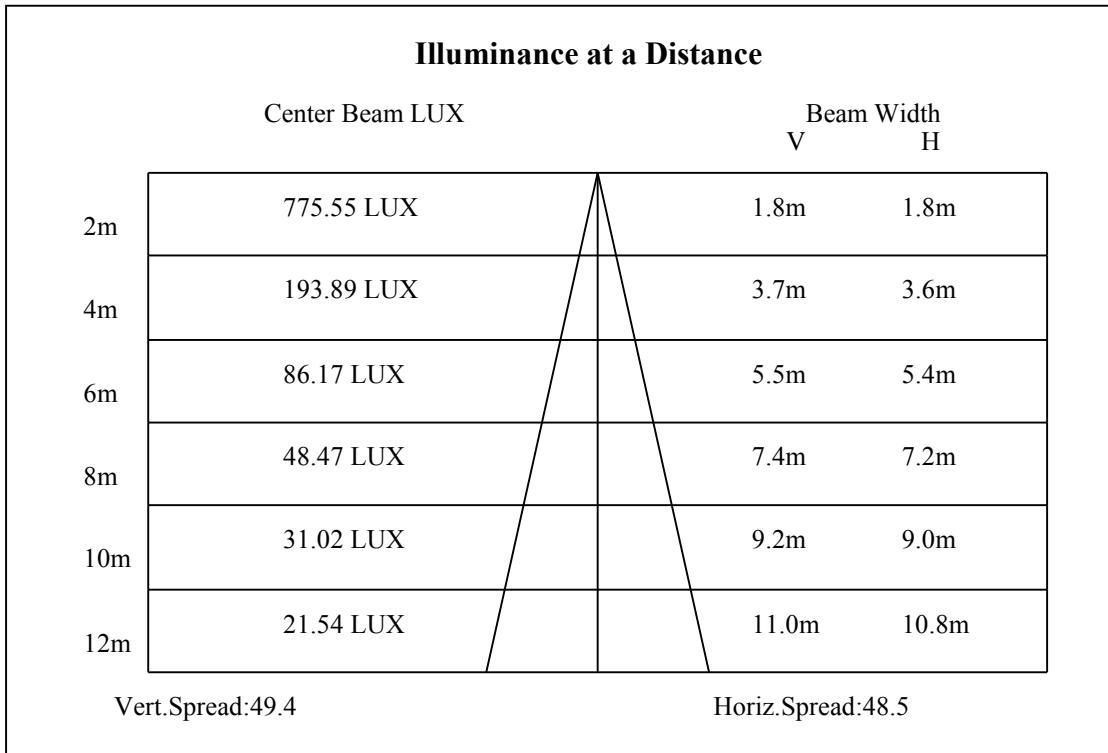
C90/C270: ———

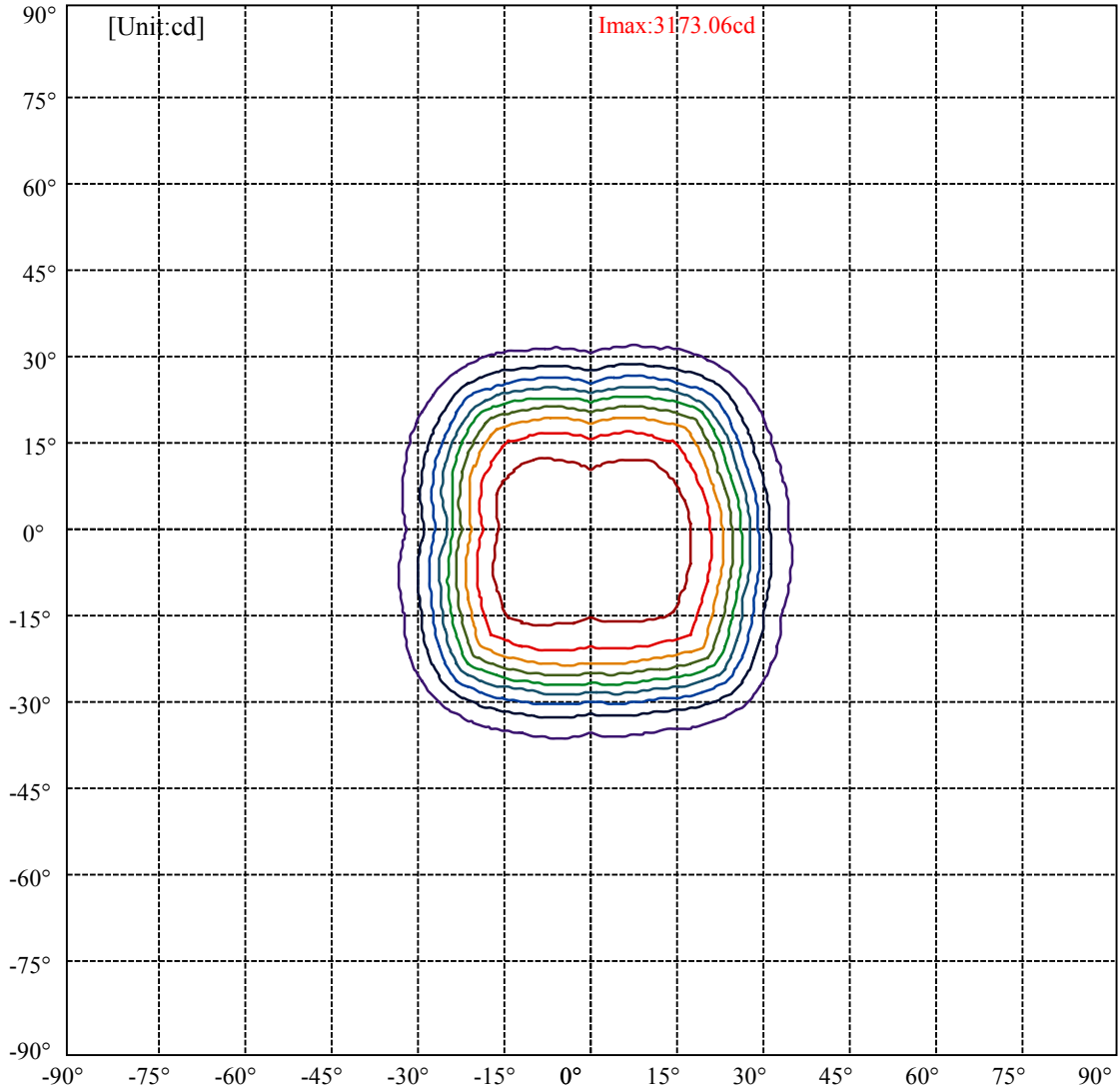
Field angle(10%Imax):C0/180Left:25.6 Right:40.0

:C90/270Left:32.3 Right:33.3

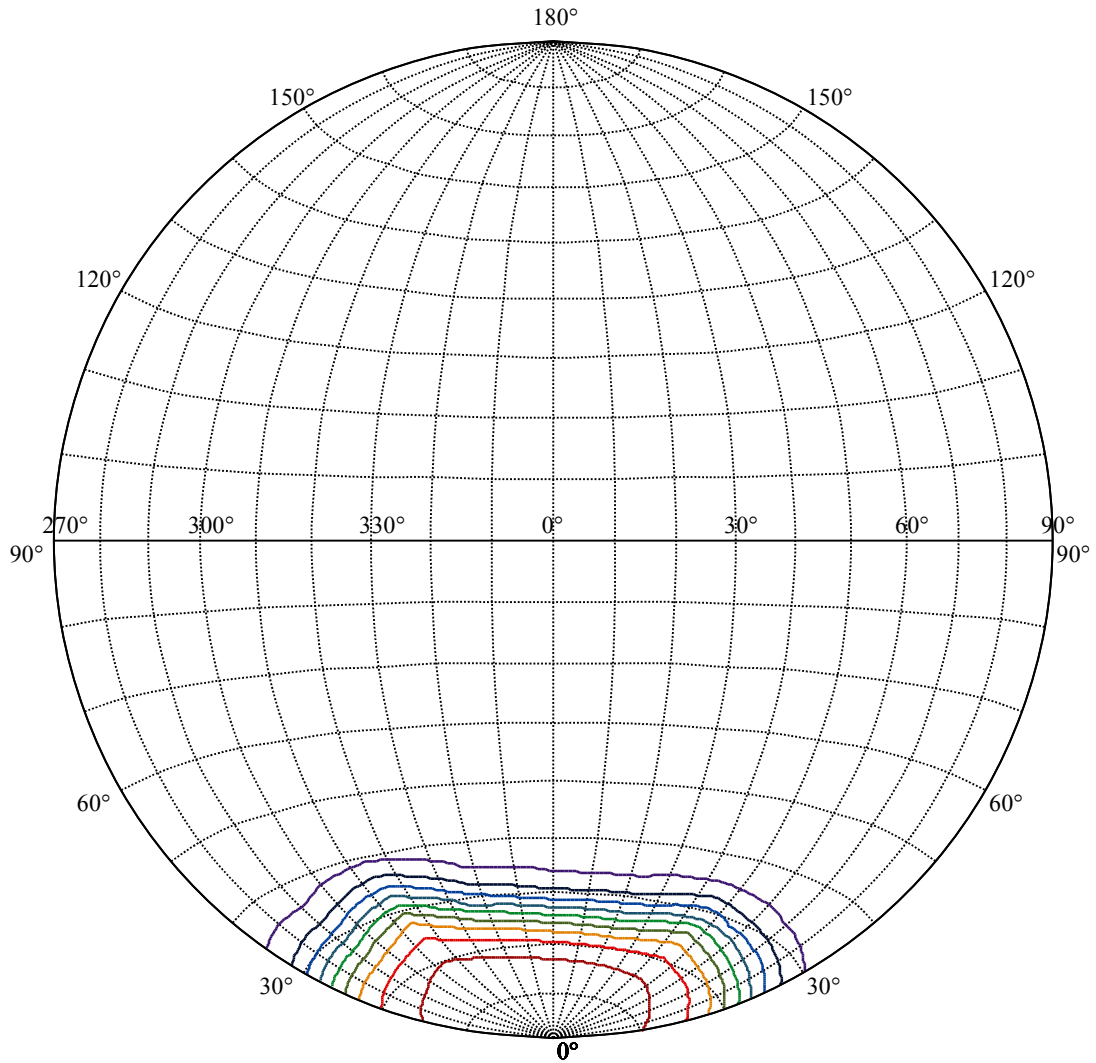
Beam Angle(50%Imax):C0/180Left:17.6 Right:31.8

:C90/270Left:23.5 Right:25.0





(10%Imax) 317.011	—
(20%Imax) 634.022	—
(30%Imax) 951.034	—
(40%Imax) 1268.04	—
(50%Imax) 1585.06	—
(60%Imax) 1902.07	—
(70%Imax) 2219.08	—
(80%Imax) 2536.09	—
(90%Imax) 2853.1	—



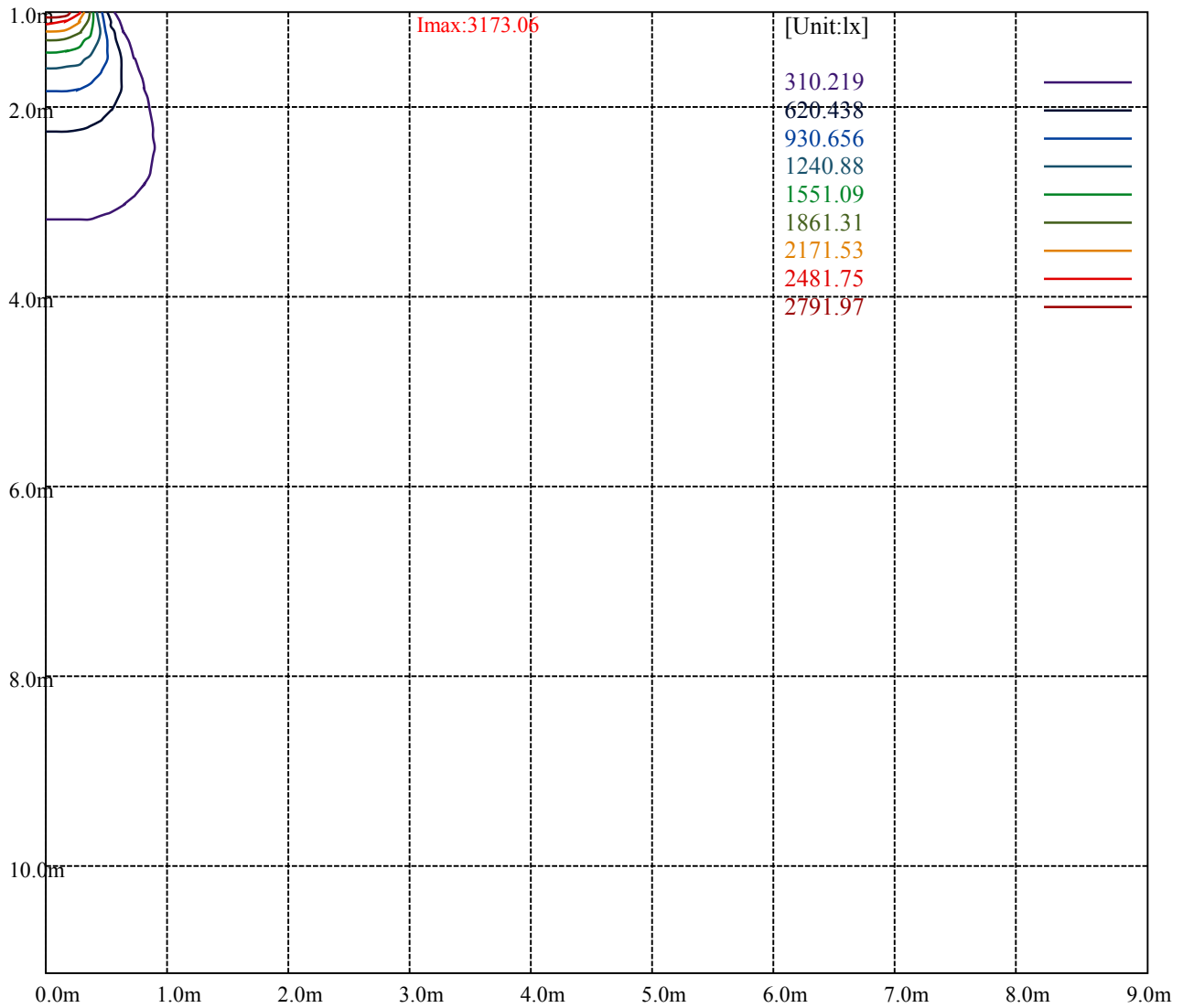
House

[Unit:cd]

Road

I_{max}:3173.06

(10%I _{max}) 317.249	—
(20%I _{max}) 634.497	—
(30%I _{max}) 951.746	—
(40%I _{max}) 1268.99	—
(50%I _{max}) 1586.24	—
(60%I _{max}) 1903.49	—
(70%I _{max}) 2220.74	—
(80%I _{max}) 2537.99	—
(90%I _{max}) 2855.24	—



Luminance Table

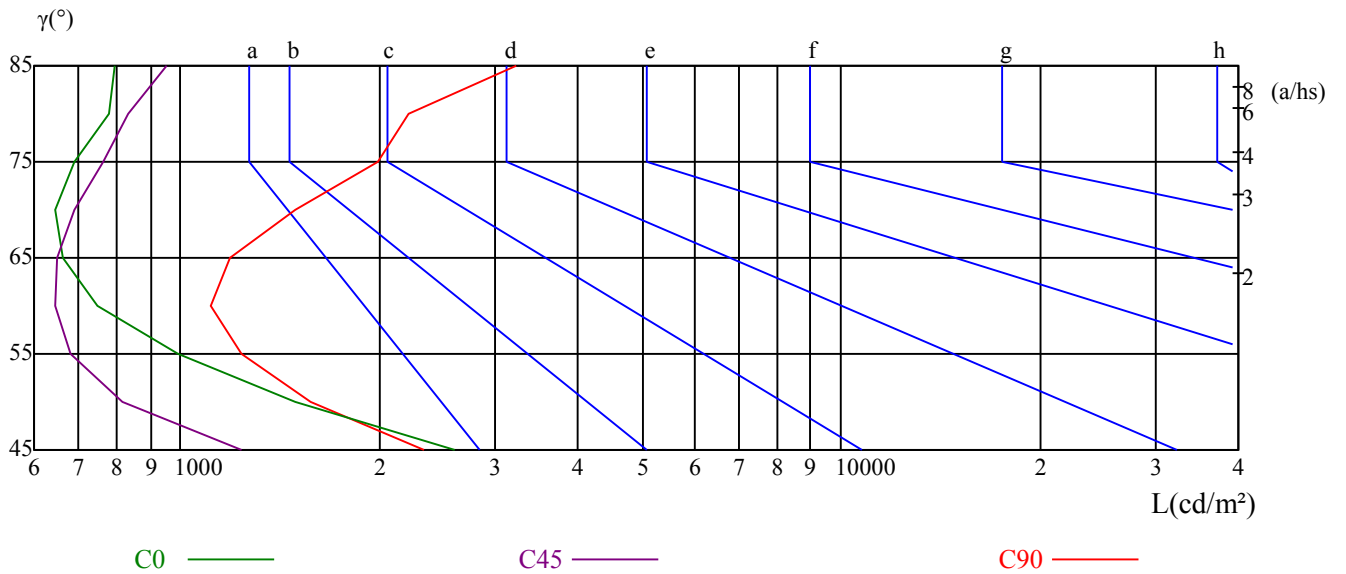
γ	45	50	55	60	65	70	75	80	85
C0	2607	1494	992	751	662	647	688	778	795
C45	1237	819	680	647	652	690	763	834	950
C90	2331	1575	1234	1112	1192	1491	1993	2222	3215

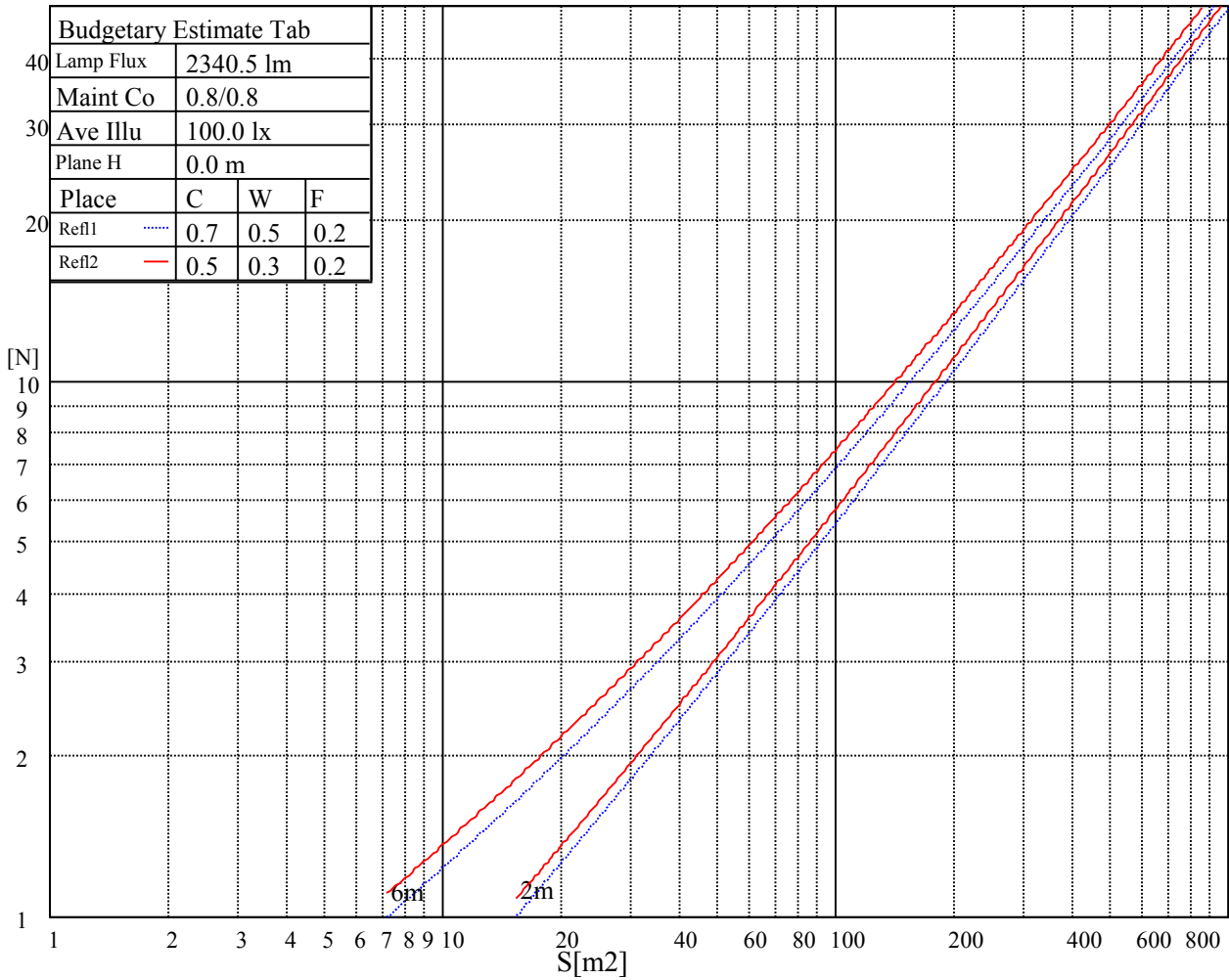
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1256	1323	1149	1796	2012	1739	4756	4617	4730

Glare Table

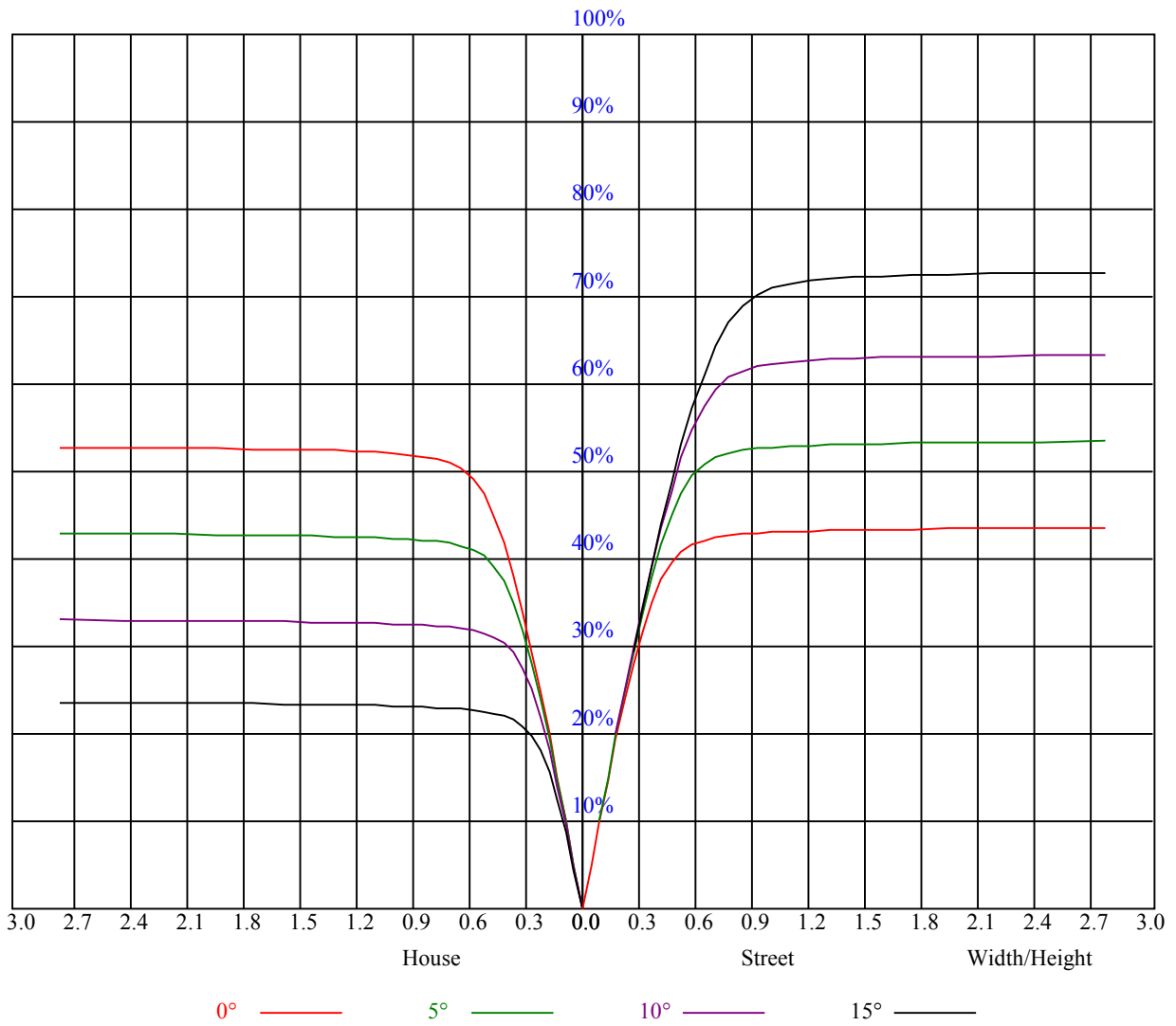
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





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	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.05	1.03	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.87	0.93	0.89	0.86	0.91	0.87	0.85	0.89	0.86	0.83	0.86	0.84	0.82	0.81
4	0.89	0.84	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.76
5	0.84	0.79	0.75	0.83	0.79	0.75	0.82	0.78	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
7	0.76	0.70	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	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	0.62	0.69	0.65	0.62	0.61
9	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.55



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	3102.19	3099.38	3106.69	3113.44	3121.88	3130.31	3142.13	3147.75	3150.00
22.5	3103.88	3108.94	3109.50	3114.00	3117.94	3129.19	3133.13	3135.38	3129.75
45.0	3101.06	3100.50	3107.25	3101.63	3102.75	3102.75	3098.25	3102.75	3095.44
67.5	3096.00	3092.63	3094.88	3088.13	3080.81	3074.63	3066.19	3048.75	3030.75
90.0	3084.75	3087.56	3071.81	3064.50	3053.81	3039.75	3017.25	2990.81	2959.31
112.5	3097.13	3090.38	3092.63	3087.56	3083.06	3077.44	3067.88	3051.00	3034.13
135.0	3099.38	3097.69	3103.88	3103.31	3105.00	3107.25	3111.75	3114.56	3113.44
157.5	3098.81	3104.44	3103.88	3113.44	3125.25	3137.06	3146.63	3152.81	3154.50
180.0	3102.19	3104.44	3108.94	3120.75	3133.13	3139.31	3150.56	3148.88	3147.19
202.5	3103.88	3107.81	3110.06	3124.13	3129.75	3140.44	3154.50	3168.00	3173.06
225.0	3101.06	3102.75	3105.00	3110.63	3116.81	3125.81	3128.06	3130.31	3134.81
247.5	3096.00	3094.31	3095.44	3102.19	3097.69	3099.94	3097.13	3093.19	3085.88
270.0	3084.75	3093.19	3096.00	3098.81	3098.81	3096.00	3090.38	3083.06	3071.81
292.5	3097.13	3096.56	3097.13	3103.31	3097.13	3096.00	3096.56	3089.25	3084.75
315.0	3099.38	3099.38	3098.81	3099.94	3110.63	3113.44	3114.00	3115.69	3116.81
337.5	3098.81	3095.44	3104.44	3115.13	3115.13	3124.69	3133.69	3137.63	3141.56
360.0	3102.19	3099.38	3106.69	3113.44	3121.88	3130.31	3142.13	3147.75	3150.00
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3141.56	3126.38	3108.94	3087.00	3050.44	3008.81	2964.38	2921.06	2859.19
22.5	3117.94	3102.19	3080.25	3054.38	3018.94	2978.44	2939.06	2887.31	2831.63
45.0	3087.00	3068.44	3046.50	3022.88	2979.56	2941.88	2898.00	2849.06	2782.13
67.5	3008.25	2971.13	2932.31	2890.13	2837.25	2786.63	2741.06	2685.38	2618.44
90.0	2925.56	2871.00	2815.31	2758.50	2691.00	2636.44	2571.19	2490.75	2368.13
112.5	3008.25	2979.56	2931.19	2893.50	2837.81	2786.06	2739.94	2699.44	2611.13
135.0	3109.50	3092.06	3074.63	3049.31	3008.81	2968.88	2921.06	2862.56	2793.94
157.5	3149.44	3139.88	3123.56	3094.31	3069.00	3025.13	2981.81	2934.00	2874.94
180.0	3138.19	3115.69	3088.69	3051.56	3006.00	2958.75	2898.00	2829.94	2729.25
202.5	3172.50	3168.00	3157.88	3139.31	3110.63	3075.19	3032.44	2988.56	2939.63
225.0	3135.94	3135.38	3132.56	3125.81	3117.94	3101.06	3090.94	3061.13	3029.63
247.5	3077.44	3065.63	3063.38	3053.25	3032.44	3003.75	2964.94	2931.19	2879.44
270.0	3054.94	3033.00	3018.38	2996.44	2959.88	2922.19	2866.50	2812.50	2757.94
292.5	3072.38	3061.69	3051.00	3033.00	3016.69	2981.25	2941.31	2905.31	2848.50
315.0	3115.69	3115.69	3114.56	3103.88	3086.44	3071.81	3054.38	3028.50	2990.81
337.5	3135.94	3128.63	3115.69	3099.38	3068.44	3031.88	2999.25	2959.88	2908.69
360.0	3141.56	3126.38	3108.94	3087.00	3050.44	3008.81	2964.38	2921.06	2859.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2797.88	2719.13	2597.63	2477.25	2314.13	2151.00	1946.81	1753.88	1529.44
22.5	2763.00	2677.50	2549.25	2418.19	2264.63	2063.25	1882.69	1692.56	1486.69
45.0	2721.38	2649.38	2580.19	2505.38	2404.13	2304.00	2169.56	2015.44	1859.06
67.5	2535.75	2433.94	2301.75	2161.69	1989.00	1831.50	1639.69	1450.69	1278.00
90.0	2247.75	2106.00	1923.19	1729.13	1552.50	1351.13	1110.60	981.45	801.06
112.5	2530.13	2441.25	2278.13	2129.63	1992.38	1780.88	1587.94	1431.56	1216.69
135.0	2730.38	2659.50	2587.50	2500.31	2394.56	2283.75	2143.13	1982.25	1818.00
157.5	2793.38	2703.94	2572.88	2438.44	2283.75	2125.69	1897.31	1708.31	1530.00
180.0	2606.06	2475.56	2320.31	2100.94	1913.63	1718.44	1470.94	1101.21	1078.37
202.5	2869.31	2793.94	2702.25	2565.56	2434.50	2282.63	2092.50	1886.63	1698.75
225.0	2985.19	2945.81	2896.88	2824.88	2763.00	2697.75	2596.50	2507.06	2399.63
247.5	2831.63	2792.25	2737.69	2655.56	2568.38	2460.38	2299.50	2147.63	1986.75
270.0	2686.50	2628.00	2559.94	2448.00	2332.13	2204.44	2014.31	1837.69	1658.81
292.5	2801.25	2753.44	2696.06	2605.50	2509.31	2397.94	2225.25	2068.88	1882.13
315.0	2954.25	2903.63	2851.31	2799.56	2728.13	2667.38	2600.44	2512.69	2416.50
337.5	2864.81	2806.88	2723.06	2621.25	2506.50	2356.88	2183.06	2010.94	1809.00
360.0	2797.88	2719.13	2597.63	2477.25	2314.13	2151.00	1946.81	1753.88	1529.44

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1326.38	1107.00	902.81	739.69	586.13	468.00	383.06	313.88	287.44
22.5	1271.81	1104.19	900.00	742.50	590.06	470.81	389.81	308.25	284.63
45.0	1686.94	1459.13	1112.96	1090.86	881.49	730.63	597.26	446.57	347.34
67.5	1109.25	919.13	758.25	622.13	482.63	397.69	317.81	284.06	203.18
90.0	656.78	518.18	407.14	332.27	267.81	215.44	189.06	167.63	143.61
112.5	1046.25	888.75	693.00	564.75	455.63	354.38	290.25	232.99	192.66
135.0	1647.56	1420.31	1118.59	1053.62	864.00	695.93	563.34	428.34	318.88
157.5	1308.38	1112.06	932.63	754.31	601.31	493.31	385.88	314.44	286.88
180.0	877.67	698.51	561.54	442.74	359.04	286.20	235.91	207.68	180.17
202.5	1484.44	1227.38	1083.88	891.62	738.73	591.30	468.96	381.99	310.22
225.0	2261.81	2101.50	1943.44	1752.19	1575.56	1364.06	1159.88	988.88	807.75
247.5	1814.06	1593.00	1411.31	1112.57	1053.90	875.08	731.42	590.85	471.49
270.0	1449.56	1244.81	1063.13	871.31	710.44	589.50	474.19	392.06	317.81
292.5	1708.88	1506.38	1331.44	1113.19	968.63	802.01	648.79	530.21	421.76
315.0	2322.56	2149.88	2005.31	1857.38	1610.44	1424.81	1265.63	1043.44	857.81
337.5	1625.06	1413.00	1113.69	1026.39	866.64	685.58	561.09	457.26	353.98
360.0	1326.38	1107.00	902.81	739.69	586.13	468.00	383.06	313.88	287.44
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	219.26	193.33	167.63	145.24	127.86	112.05	97.99	87.24	76.61
22.5	213.08	186.64	157.44	137.76	120.88	103.84	89.89	78.98	68.51
45.0	263.98	178.59	135.11	94.67	68.96	57.83	47.93	38.19	33.86
67.5	176.01	151.71	132.58	113.01	96.36	84.21	72.51	62.61	55.29
90.0	127.24	112.44	98.72	86.79	77.57	68.46	61.31	54.45	48.43
112.5	168.19	148.22	127.13	109.01	95.68	82.86	72.06	63.73	55.69
135.0	238.84	167.91	122.91	89.27	68.74	56.31	46.80	37.80	32.74
157.5	204.58	177.64	155.25	129.54	111.94	96.81	81.28	70.88	61.93
180.0	156.15	137.64	120.88	103.73	91.58	81.11	69.64	61.82	55.13
202.5	245.98	211.84	186.41	161.04	138.71	121.78	103.67	91.46	80.72
225.0	646.88	516.38	403.31	286.88	237.77	154.41	109.74	83.14	68.06
247.5	384.02	303.41	254.53	216.39	185.01	160.59	138.83	115.93	100.74
270.0	288.56	231.13	203.79	173.48	152.66	134.83	116.16	103.39	92.08
292.5	333.73	278.83	239.40	203.68	178.31	155.87	134.33	115.59	101.70
315.0	725.63	552.94	435.38	332.44	289.13	168.69	120.09	90.90	73.69
337.5	289.41	244.24	204.41	178.99	156.60	132.81	118.58	102.43	87.41
360.0	219.26	193.33	167.63	145.24	127.86	112.05	97.99	87.24	76.61
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	68.29	60.13	53.10	47.53	42.30	37.69	34.09	31.11	27.96
22.5	59.68	52.82	46.18	41.12	36.45	32.40	29.25	26.49	23.79
45.0	30.04	25.99	24.02	22.16	20.36	18.96	17.89	16.88	16.20
67.5	48.88	41.96	37.29	33.30	29.64	26.61	24.08	22.16	20.08
90.0	43.76	39.32	35.44	32.46	29.93	27.06	25.09	23.34	21.66
112.5	49.50	43.43	38.31	34.37	30.71	27.51	25.14	23.06	20.87
135.0	29.03	25.48	23.23	21.49	19.80	18.45	17.44	16.48	15.81
157.5	53.49	46.29	40.89	35.94	31.73	28.58	25.65	23.51	21.43
180.0	47.93	43.14	38.98	34.54	31.89	28.86	25.99	24.24	22.56
202.5	69.98	61.65	53.72	46.97	41.85	36.84	32.74	29.70	27.00
225.0	55.41	45.62	38.98	33.47	29.70	26.27	23.57	21.66	20.14
247.5	87.53	73.52	64.07	56.14	48.49	42.02	37.13	32.57	29.19
270.0	81.11	71.44	64.18	56.64	50.23	45.11	40.16	36.68	33.08
292.5	87.98	76.22	67.16	58.39	51.75	45.17	39.60	35.44	31.89
315.0	60.86	48.88	41.46	35.83	30.66	27.45	24.81	22.61	20.76
337.5	78.13	67.61	57.77	51.86	45.90	39.04	35.33	31.84	28.46
360.0	68.29	60.13	53.10	47.53	42.30	37.69	34.09	31.11	27.96

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.71	23.85	21.99	20.42	19.18	18.00	17.04	16.26	15.53
22.5	21.88	20.31	18.62	17.61	16.71	15.92	15.19	14.68	14.29
45.0	15.47	14.85	14.46	14.01	13.67	13.39	13.16	12.88	12.66
67.5	18.68	17.44	16.54	15.64	14.91	14.40	13.89	13.50	13.16
90.0	20.19	19.07	17.94	17.04	16.31	15.64	15.13	14.74	14.34
112.5	19.41	18.17	17.04	16.09	15.41	14.74	14.18	13.78	13.44
135.0	15.19	14.63	14.23	13.84	13.50	13.28	13.05	12.77	12.60
157.5	19.80	18.56	17.55	16.54	15.81	15.24	14.57	14.18	13.78
180.0	20.53	19.46	18.39	17.21	16.54	15.86	15.24	14.68	14.23
202.5	24.24	22.39	20.76	19.18	17.89	16.93	16.09	15.30	14.74
225.0	18.51	17.44	16.65	15.69	15.13	14.57	14.12	13.67	13.33
247.5	26.04	23.46	21.49	19.69	18.11	17.04	16.09	15.13	14.51
270.0	30.04	27.73	25.65	23.40	21.77	20.42	18.84	17.83	16.93
292.5	28.18	25.65	23.57	21.26	19.69	18.39	17.21	16.14	15.36
315.0	19.35	18.06	17.16	16.26	15.53	14.96	14.40	13.95	13.61
337.5	25.59	23.46	21.43	19.69	18.45	17.27	16.43	15.58	14.91
360.0	25.71	23.85	21.99	20.42	19.18	18.00	17.04	16.26	15.53
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.96	14.46	14.01	13.67	13.39	13.05	12.83	12.60	12.43
22.5	13.89	13.56	13.22	12.99	12.71	12.49	12.32	12.15	12.04
45.0	12.49	12.32	12.21	12.04	11.98	11.87	11.76	11.70	11.64
67.5	12.94	12.77	12.66	12.66	12.60	12.66	12.77	12.83	13.05
90.0	14.06	13.95	13.89	13.95	13.78	13.89	14.18	14.34	14.18
112.5	13.22	12.99	12.94	12.88	12.83	12.99	12.99	13.11	13.39
135.0	12.49	12.32	12.26	12.09	12.04	11.98	11.93	11.87	11.81
157.5	13.44	13.16	12.94	12.71	12.54	12.38	12.21	12.09	11.98
180.0	13.84	13.56	13.22	12.94	12.77	12.54	12.38	12.26	12.09
202.5	14.23	13.78	13.39	13.11	12.83	12.60	12.38	12.21	12.09
225.0	13.11	12.77	12.60	12.38	12.26	12.09	11.98	11.87	11.81
247.5	14.01	13.50	13.11	12.83	12.54	12.26	12.09	11.93	11.81
270.0	16.03	15.36	14.79	14.23	13.84	13.44	13.11	12.83	12.54
292.5	14.68	14.12	13.61	13.22	12.94	12.60	12.32	12.15	11.98
315.0	13.28	12.99	12.77	12.54	12.38	12.26	12.15	12.04	11.93
337.5	14.34	13.95	13.56	13.22	12.99	12.71	12.49	12.32	12.15
360.0	14.96	14.46	14.01	13.67	13.39	13.05	12.83	12.60	12.43
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.32	12.26	12.15	12.15	12.15	12.21	12.21	12.21	12.21
22.5	11.93	11.93	11.87	11.81	11.81	11.87	11.81	11.87	11.81
45.0	11.64	11.59	11.53	11.48	11.42	11.31	11.14	11.03	10.86
67.5	13.11	13.33	13.56	13.73	13.73	13.73	13.16	11.87	10.86
90.0	14.40	14.29	14.85	14.96	14.74	14.68	14.40	13.84	11.87
112.5	13.28	13.61	13.28	13.73	13.33	13.50	13.22	12.54	11.48
135.0	11.76	11.70	11.64	11.59	11.53	11.53	11.48	11.42	11.36
157.5	11.87	11.87	11.98	12.09	12.32	12.38	12.54	12.60	12.60
180.0	12.04	12.09	12.26	11.70	11.59	11.53	11.53	11.48	11.42
202.5	11.93	11.81	11.70	11.59	11.70	11.48	11.25	11.14	11.03
225.0	11.70	11.59	11.53	11.48	11.42	11.31	11.25	11.14	11.08
247.5	11.64	11.53	11.42	11.31	11.25	11.19	11.08	11.03	10.91
270.0	12.32	12.15	11.98	11.76	11.64	11.53	11.42	11.25	11.14
292.5	11.81	11.70	11.53	11.42	11.36	11.25	11.14	11.08	10.97
315.0	11.81	11.76	11.70	11.64	11.59	11.42	11.36	11.25	11.19
337.5	12.04	11.98	11.93	11.87	11.87	11.87	11.87	11.93	11.93
360.0	12.32	12.26	12.15	12.15	12.15	12.21	12.21	12.21	12.21

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.21	12.21	11.98	11.53	10.80	10.69	10.41	10.29	10.24
22.5	11.53	11.19	10.74	10.69	10.41	10.29	10.18	10.07	9.96
45.0	10.80	10.63	10.58	10.52	10.35	10.29	10.18	10.13	10.07
67.5	10.69	10.69	10.69	10.58	10.24	10.13	10.07	9.96	9.96
90.0	10.91	10.80	10.69	10.63	10.07	9.96	9.90	9.84	9.84
112.5	11.08	11.03	11.03	11.03	10.52	10.24	10.18	10.01	10.01
135.0	11.25	11.14	11.19	11.08	10.41	10.35	10.29	10.18	10.13
157.5	12.15	11.42	11.08	10.97	10.63	10.35	10.29	10.18	10.01
180.0	11.19	10.86	10.80	10.69	10.46	10.29	10.18	10.13	9.90
202.5	11.03	10.97	10.97	10.74	10.74	10.63	10.41	10.29	10.18
225.0	11.03	10.97	10.86	10.80	10.74	10.69	10.46	10.41	10.29
247.5	10.86	10.74	10.69	10.63	10.58	10.46	10.29	10.18	10.13
270.0	11.03	10.91	10.80	10.69	10.58	10.41	10.29	10.18	10.07
292.5	10.91	10.86	10.80	10.63	10.58	10.46	10.35	10.29	10.18
315.0	11.14	11.03	10.97	10.91	10.80	10.69	10.52	10.46	10.35
337.5	11.81	11.76	11.42	11.08	10.80	10.69	10.46	10.35	10.24
360.0	12.21	12.21	11.98	11.53	10.80	10.69	10.41	10.29	10.24
C/γ(°)	90.0								
0.0	10.13								
22.5	9.96								
45.0	10.07								
67.5	9.96								
90.0	9.84								
112.5	10.01								
135.0	10.13								
157.5	10.07								
180.0	9.90								
202.5	10.13								
225.0	10.24								
247.5	10.07								
270.0	9.96								
292.5	10.13								
315.0	10.29								
337.5	10.18								
360.0	10.13								