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Nata

LumCAT: LN01D05024DA-N

Luminaire: 97.70.234.00

Report No: 200805-B006

Test No: 200805-C006

LampCAT: CITIZEN CLU700 LES6.0

Lamp flux(lm): 504.1

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 29.0000

Current(A): 0.1500

Power (W): 4.3500

PF: 0.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 458.00

Efficiency(%): 90.86%

Lumens(lm)/Power(W): 105.29

Central intensity(cd): 2223.844

Maximum intensity(cd): 2223.844

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.1

[C90/270]Total=24.1

Field angle(10%Imax): [C0/180]Total=40.6

[C90/270]Total=40.6

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.86%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.545%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2223.844	0.000	0	.000%	.000%
1.0	2217.867	2.125	2.125	.422%	.464%
2.0	2200.500	6.342	8.467	1.258%	1.849%
3.0	2165.555	10.442	18.909	2.072%	4.129%
4.0	2118.938	14.342	33.251	2.845%	7.260%
5.0	2054.672	17.955	51.205	3.562%	11.180%
6.0	1968.539	21.143	72.348	4.195%	15.797%
7.0	1860.188	23.765	96.113	4.715%	20.986%
8.0	1743.398	25.790	121.903	5.116%	26.617%
9.0	1594.969	27.056	148.959	5.368%	32.524%
10.0	1439.227	27.458	176.417	5.447%	38.519%
11.0	1276.397	27.135	203.552	5.383%	44.444%
12.0	1118.637	26.181	229.733	5.194%	50.160%
13.0	977.189	24.872	254.605	4.934%	55.591%
14.0	831.368	23.149	277.755	4.593%	60.646%
15.0	700.580	21.031	298.786	4.172%	65.238%
16.0	573.863	18.674	317.46	3.705%	69.315%
17.0	471.495	16.279	333.739	3.230%	72.869%
18.0	375.469	13.965	347.704	2.770%	75.918%
19.0	301.345	11.775	359.479	2.336%	78.489%
20.0	238.866	9.887	369.366	1.962%	80.648%
21.0	181.216	8.066	377.433	1.600%	82.410%
22.0	142.488	6.505	383.938	1.291%	83.830%
23.0	112.880	5.358	389.296	1.063%	85.000%
24.0	91.652	4.472	393.768	.887%	85.976%
25.0	75.220	3.794	397.562	.753%	86.805%
26.0	63.991	3.286	400.848	.652%	87.522%
27.0	55.069	2.913	403.761	.578%	88.158%
28.0	48.417	2.620	406.381	.520%	88.730%
29.0	42.898	2.389	408.77	.474%	89.252%
30.0	38.545	2.199	410.969	.436%	89.732%
31.0	34.664	2.037	413.006	.404%	90.177%
32.0	31.451	1.894	414.901	.376%	90.590%
33.0	28.828	1.776	416.676	.352%	90.978%
34.0	26.480	1.674	418.35	.332%	91.344%
35.0	24.567	1.585	419.935	.315%	91.690%
36.0	22.760	1.507	421.442	.299%	92.019%
37.0	21.263	1.436	422.878	.285%	92.332%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	19.793	1.370	424.249	.272%	92.631%
39.0	18.513	1.307	425.556	.259%	92.917%
40.0	17.269	1.248	426.804	.248%	93.189%
41.0	16.165	1.191	427.995	.236%	93.449%
42.0	15.061	1.134	429.129	.225%	93.697%
43.0	14.006	1.077	430.206	.214%	93.932%
44.0	13.085	1.023	431.228	.203%	94.155%
45.0	12.150	0.970	432.198	.192%	94.367%
46.0	11.299	0.917	433.115	.182%	94.567%
47.0	10.463	0.866	433.981	.172%	94.756%
48.0	9.759	0.817	434.798	.162%	94.935%
49.0	9.049	0.772	435.571	.153%	95.103%
50.0	8.395	0.727	436.298	.144%	95.262%
51.0	7.889	0.689	436.987	.137%	95.413%
52.0	7.432	0.657	437.644	.130%	95.556%
53.0	7.010	0.628	438.272	.125%	95.693%
54.0	6.729	0.606	438.878	.120%	95.826%
55.0	6.462	0.589	439.467	.117%	95.954%
56.0	6.209	0.573	440.039	.114%	96.079%
57.0	5.927	0.555	440.594	.110%	96.200%
58.0	5.709	0.538	441.132	.107%	96.318%
59.0	5.548	0.526	441.659	.104%	96.433%
60.0	5.365	0.516	442.174	.102%	96.545%
61.0	5.203	0.504	442.679	.100%	96.655%
62.0	5.055	0.494	443.173	.098%	96.763%
63.0	4.929	0.486	443.658	.096%	96.869%
64.0	4.788	0.477	444.135	.095%	96.973%
65.0	4.669	0.468	444.603	.093%	97.076%
66.0	4.563	0.461	445.064	.091%	97.176%
67.0	4.458	0.454	445.518	.090%	97.275%
68.0	4.366	0.447	445.965	.089%	97.373%
69.0	4.317	0.443	446.408	.088%	97.470%
70.0	4.430	0.449	446.857	.089%	97.568%
71.0	4.732	0.474	447.33	.094%	97.671%
72.0	5.330	0.523	447.853	.104%	97.785%
73.0	6.103	0.598	448.451	.119%	97.916%
74.0	6.905	0.684	449.135	.136%	98.065%
75.0	7.692	0.771	449.906	.153%	98.234%

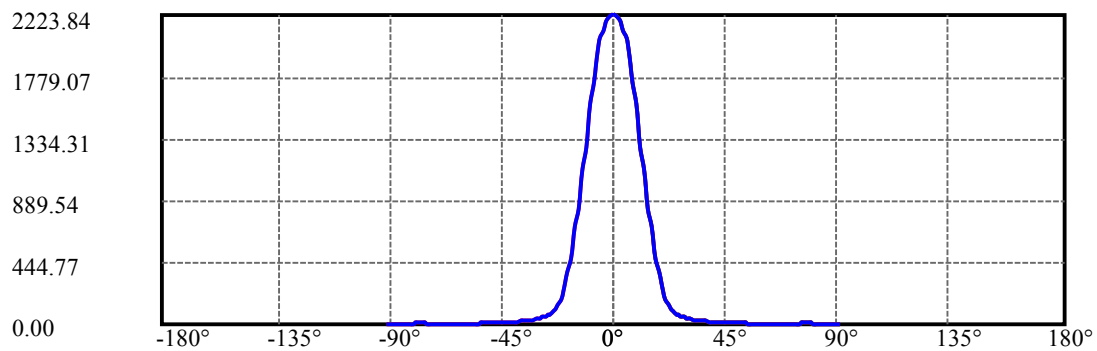
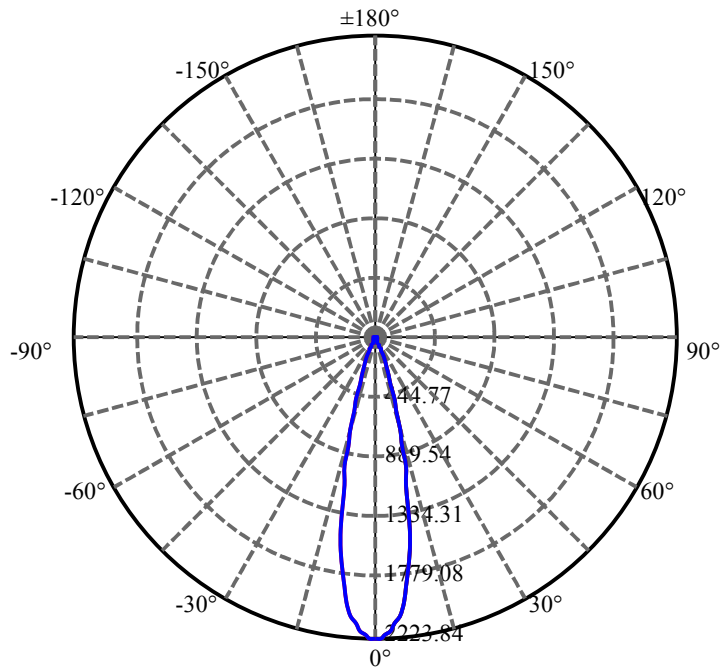
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.297	0.849	450.755	.168%	98.419%
77.0	8.494	0.895	451.65	.178%	98.614%
78.0	8.198	0.894	452.544	.177%	98.809%
79.0	7.566	0.847	453.391	.168%	98.994%
80.0	6.863	0.778	454.169	.154%	99.164%
81.0	6.026	0.697	454.866	.138%	99.316%
82.0	5.027	0.599	455.465	.119%	99.447%
83.0	3.888	0.485	455.95	.096%	99.553%
84.0	3.094	0.380	456.33	.075%	99.636%
85.0	2.777	0.320	456.651	.064%	99.706%
86.0	2.637	0.296	456.947	.059%	99.771%
87.0	2.489	0.281	457.227	.056%	99.832%
88.0	2.355	0.265	457.492	.053%	99.890%
89.0	2.292	0.255	457.747	.051%	99.946%
90.0	2.257	0.249	457.997	.049%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	410.97	81.53%	89.73%
0-40	426.80	84.67%	93.19%
0-60	442.17	87.72%	96.55%
0-90	457.75	90.81%	99.95%
0-120	457.75	90.81%	99.95%
0-180	458.00	90.86%	100.00%
60-90	16.09	3.19%	3.51%
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%
0-19.70	366.40	72.69%	80.00%

ZONAL LUMEN SUMMARY

0-10	176.42
10-20	192.95
20-30	41.60
30-40	15.83
40-50	9.49
50-60	5.88
60-70	4.68
70-80	7.31
80-90	3.58
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:

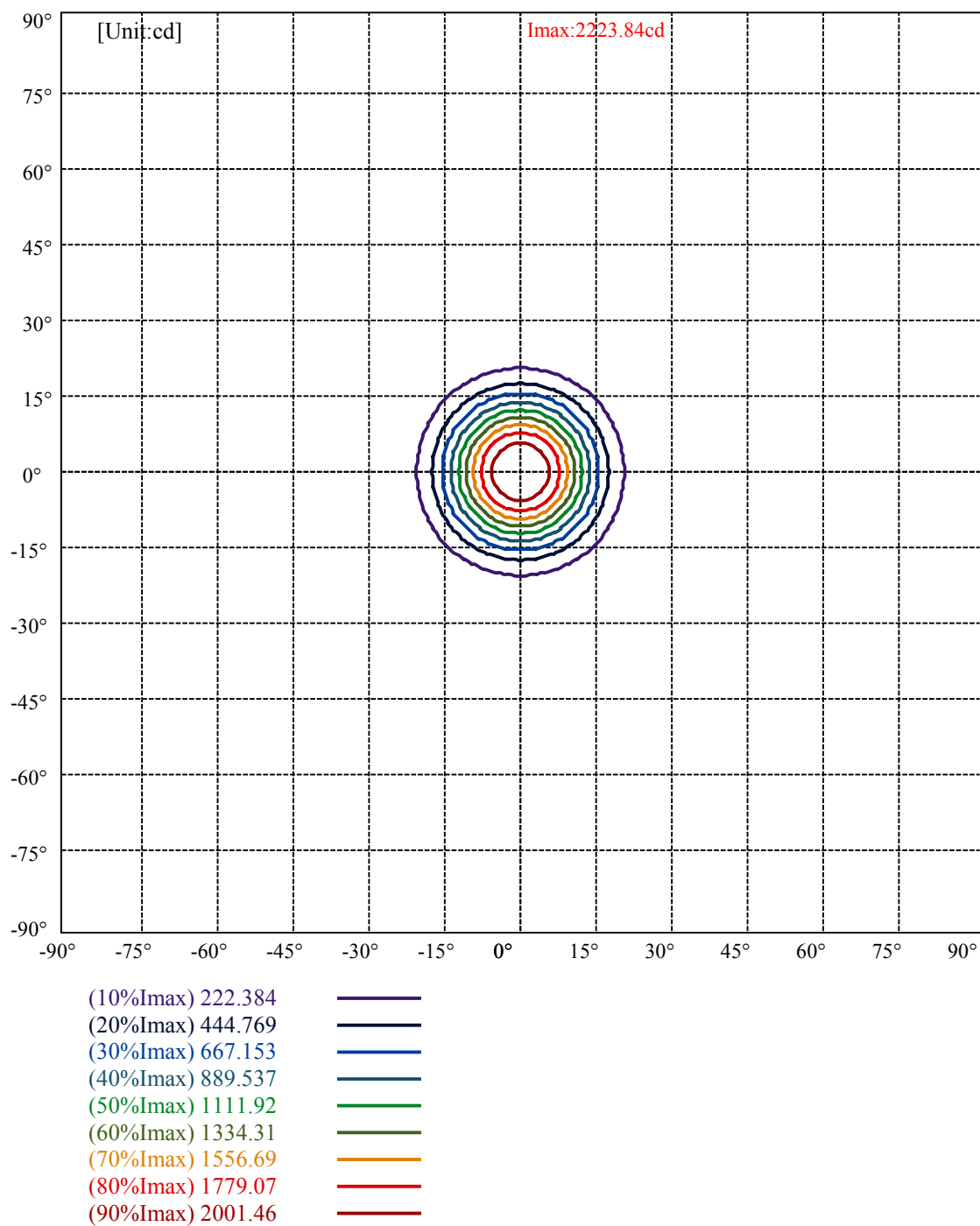
C90/C270:

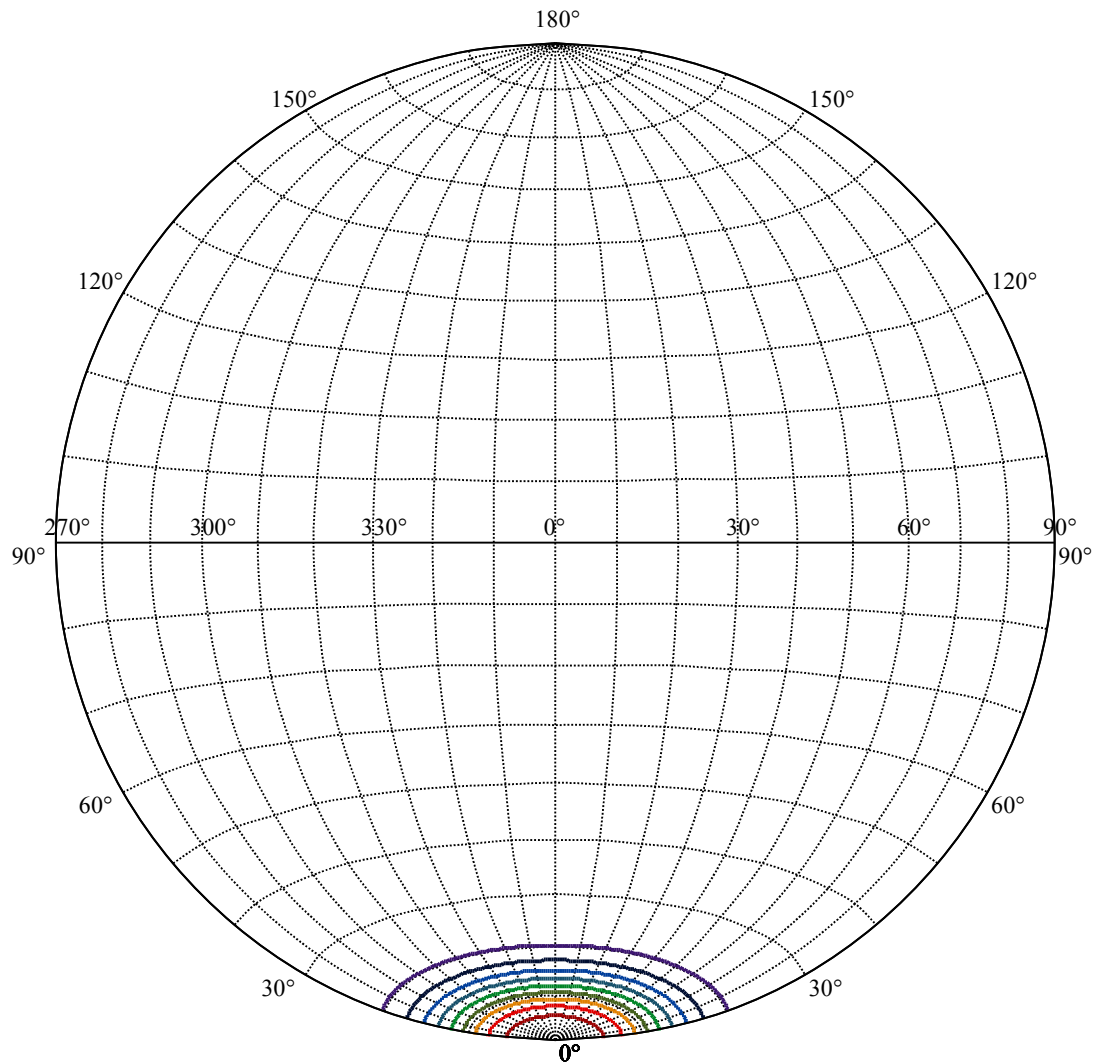
Field angle(10%Imax):C0/180Left:20.3 Right:20.3

:C90/270Left:20.3 Right:20.3

Beam Angle(50%Imax):C0/180Left:12.0 Right:12.0

:C90/270Left:12.0 Right:12.0





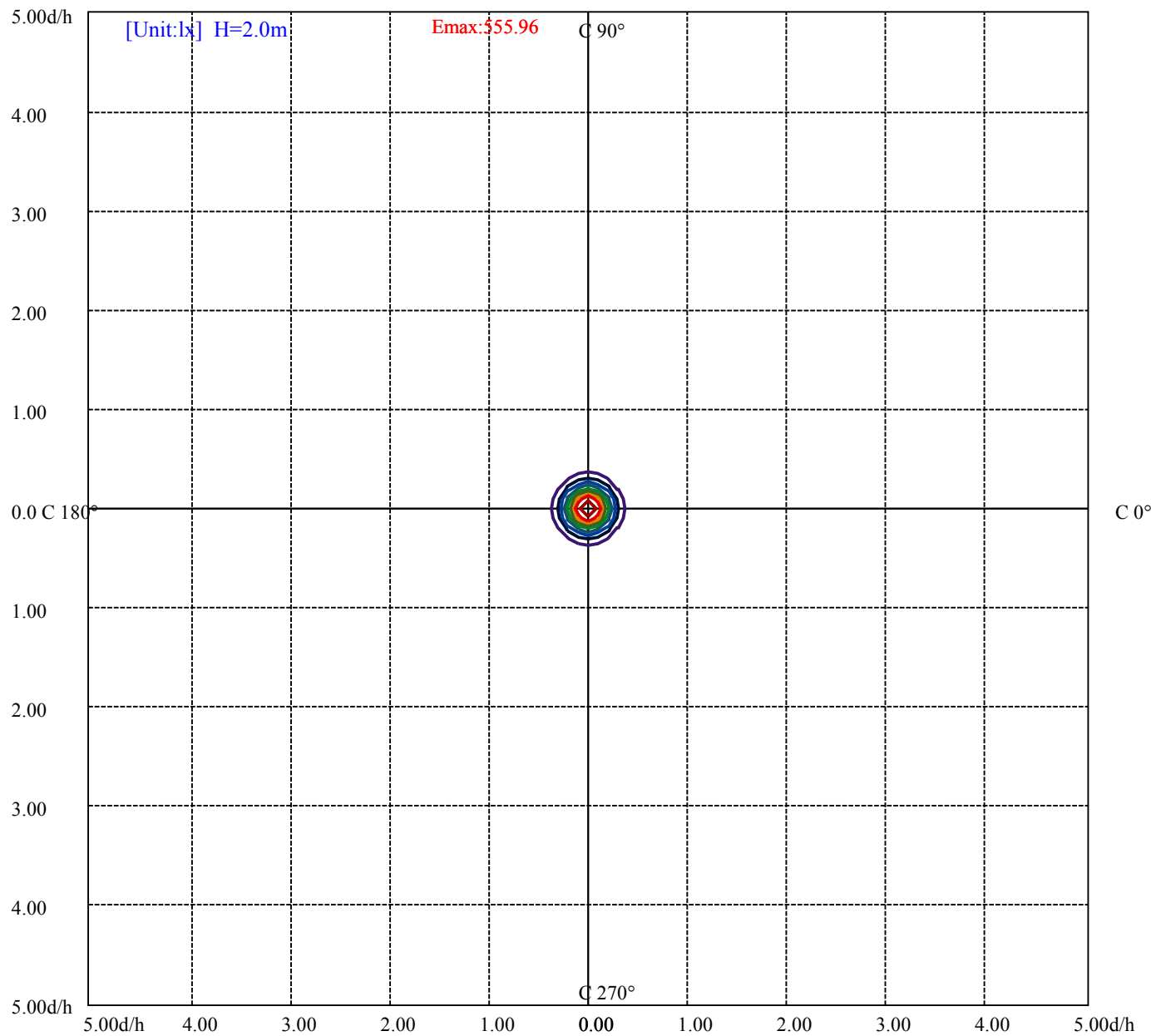
House

[Unit:cd]

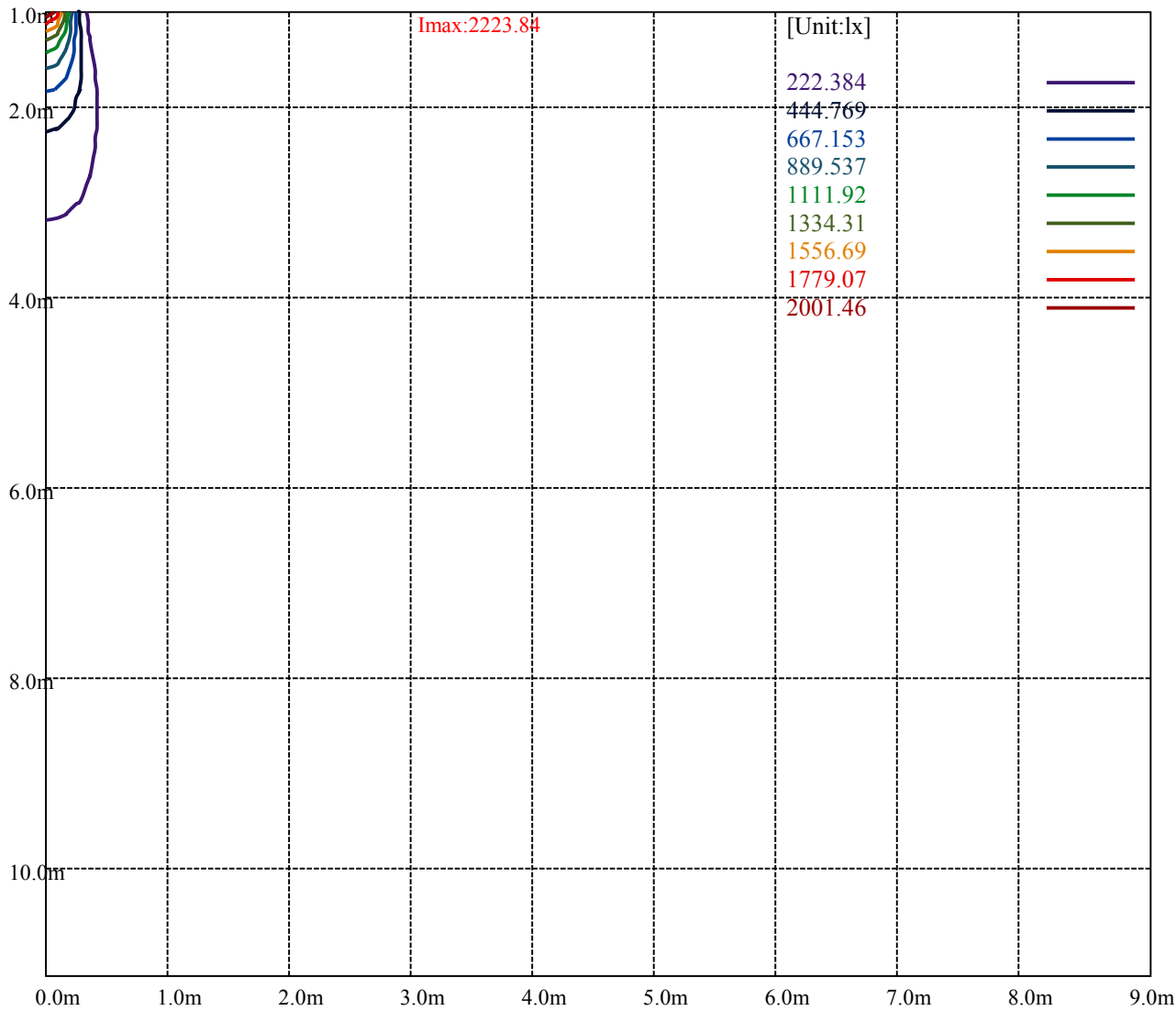
Road

Imax:2223.84

(10%Imax)	222.384	—
(20%Imax)	444.769	—
(30%Imax)	667.153	—
(40%Imax)	889.537	—
(50%Imax)	1111.92	—
(60%Imax)	1334.31	—
(70%Imax)	1556.69	—
(80%Imax)	1779.07	—
(90%Imax)	2001.46	—



(10%Emax)	55.596	
(20%Emax)	111.1923	
(30%Emax)	166.7883	
(40%Emax)	222.3842	
(50%Emax)	277.98	
(60%Emax)	333.5775	
(70%Emax)	389.1725	
(80%Emax)	444.7675	
(90%Emax)	500.365	



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

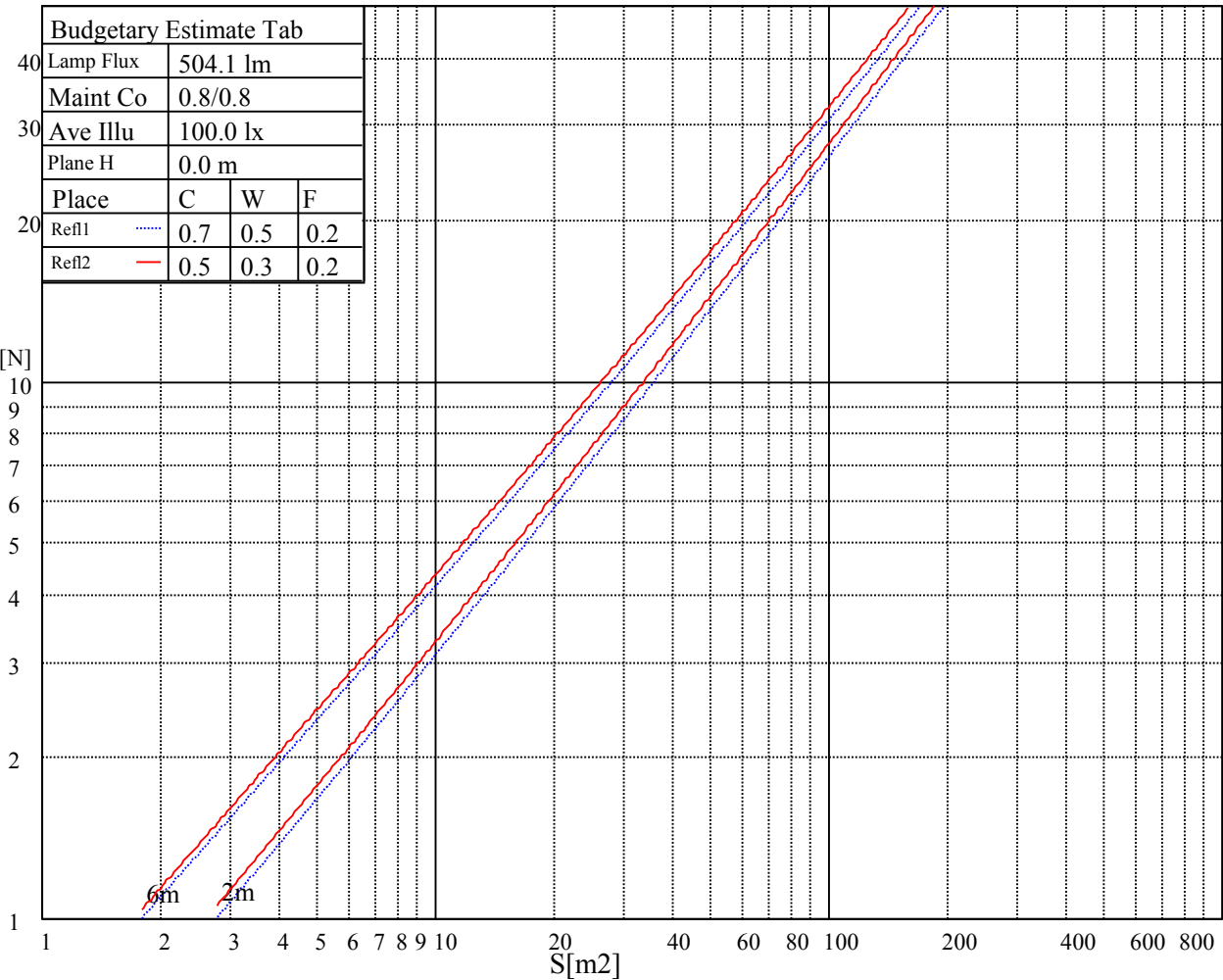
 $\gamma(^{\circ})$ 

C0 ———

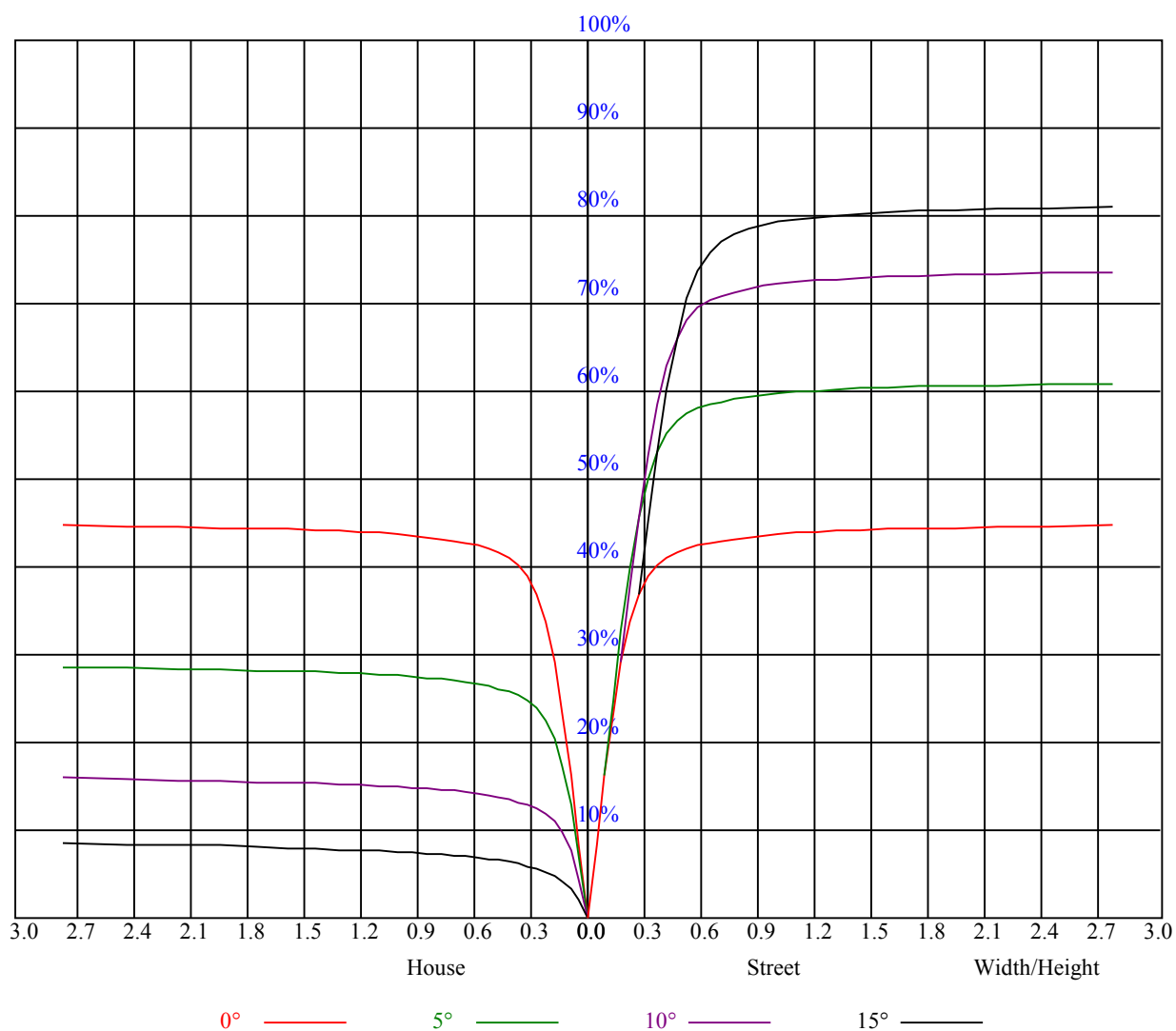
C45 ———

C90 ———

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	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	3H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	4H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	6H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	8H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
4H	12H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	2H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	3H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	4H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	6H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
8H	8H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	12H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	4H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	6H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	8H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
12H	12H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	4H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	6H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
	8H	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大	正无穷大
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			



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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.81	0.78	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.73
7	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.72	0.71
8	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.70	0.69
9	0.75	0.71	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.73	0.70	0.68	0.67
10	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.67	0.71	0.69	0.67	0.66



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	2226.38	2223.56	2207.25	2175.75	2134.13	2071.13	1989.56	1899.00	1794.94
45.0	2229.19	2214.00	2184.75	2144.25	2091.38	2008.13	1922.63	1817.44	1685.25
90.0	2215.13	2197.13	2169.56	2116.69	2059.31	1989.00	1884.38	1760.06	1635.75
135.0	2224.69	2215.69	2193.19	2158.31	2103.19	2030.06	1944.56	1828.69	1711.13
180.0	2226.38	2214.00	2189.81	2149.31	2085.19	2013.75	1921.50	1778.06	1644.75
225.0	2229.19	2230.88	2224.13	2198.81	2166.75	2118.38	2036.25	1933.31	1825.88
270.0	2215.13	2226.38	2225.81	2208.38	2179.69	2130.75	2067.19	1975.50	1874.25
315.0	2224.69	2221.31	2209.50	2172.94	2131.88	2076.19	1982.25	1889.44	1775.25
360.0	2226.38	2223.56	2207.25	2175.75	2134.13	2071.13	1989.56	1899.00	1794.94

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1646.44	1510.31	1368.56	1224.56	1045.69	905.63	774.00	623.25	516.38
45.0	1539.56	1399.50	1235.81	1091.81	933.75	785.81	663.75	543.38	434.25
90.0	1483.88	1321.31	1120.61	1015.65	879.30	734.63	604.86	504.11	413.27
135.0	1563.19	1403.44	1255.50	1112.06	938.81	807.19	685.69	549.56	447.75
180.0	1502.44	1314.00	1108.13	1019.70	865.97	723.15	605.98	490.11	398.98
225.0	1677.94	1519.88	1370.81	1103.46	1049.51	889.71	742.28	622.97	517.28
270.0	1738.69	1582.31	1436.63	1288.69	1101.38	955.13	817.31	661.50	551.81
315.0	1607.63	1463.06	1315.13	1093.16	1003.11	849.71	710.78	596.03	492.24
360.0	1646.44	1510.31	1368.56	1224.56	1045.69	905.63	774.00	623.25	516.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	423.00	333.56	290.81	203.63	157.11	122.29	99.39	80.38	67.95
45.0	356.06	293.06	213.69	168.81	134.44	106.99	86.85	73.01	61.71
90.0	307.29	252.45	201.04	151.37	121.44	99.06	78.86	67.11	58.33
135.0	366.75	285.75	215.72	168.64	130.44	103.05	85.56	70.65	60.64
180.0	310.73	238.61	188.16	145.01	113.46	92.98	77.91	64.24	56.19
225.0	403.82	327.21	262.29	197.33	157.11	125.89	99.73	81.00	69.02
270.0	453.94	371.25	291.94	224.04	178.59	134.94	109.18	89.49	73.52
315.0	382.16	308.87	247.28	190.91	147.32	117.84	95.74	75.88	64.58
360.0	423.00	333.56	290.81	203.63	157.11	122.29	99.39	80.38	67.95

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	57.66	50.06	44.78	40.44	35.94	32.91	30.32	27.62	25.65
45.0	53.78	47.59	42.19	38.19	34.31	31.05	28.52	26.21	24.24
90.0	50.01	45.28	40.11	35.21	32.34	29.25	26.44	24.69	23.01
135.0	52.76	45.84	41.23	37.29	33.13	30.26	27.84	25.31	23.63
180.0	49.84	43.99	39.15	35.66	32.29	29.53	27.39	25.31	23.68
225.0	58.84	51.98	45.73	40.56	36.73	33.24	30.26	28.01	26.04
270.0	61.65	54.00	47.19	42.36	37.86	33.98	30.99	28.24	25.82
315.0	56.03	48.60	42.81	38.64	34.71	31.39	28.86	26.44	24.47
360.0	57.66	50.06	44.78	40.44	35.94	32.91	30.32	27.62	25.65

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	23.91	22.16	20.48	19.18	17.83	16.76	15.64	14.57	13.67
45.0	22.61	21.15	19.58	18.45	17.21	16.03	14.91	13.89	12.94
90.0	20.98	19.80	18.62	17.27	16.09	15.08	13.95	12.94	12.09
135.0	22.05	20.53	19.13	18.00	16.76	15.75	14.63	13.56	12.77
180.0	22.05	20.59	19.35	18.17	16.82	15.75	14.74	13.56	12.71
225.0	23.85	22.33	20.98	19.35	18.17	17.10	15.92	14.79	13.78
270.0	24.02	22.56	20.59	19.24	18.23	16.82	15.64	14.79	13.61
315.0	22.61	20.98	19.63	18.45	17.04	16.03	15.08	13.95	13.11
360.0	23.91	22.16	20.48	19.18	17.83	16.76	15.64	14.57	13.67

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	12.71	11.81	11.03	10.29	9.51	8.89	8.27	7.76	7.31
45.0	12.04	11.31	10.46	9.84	9.11	8.44	8.10	7.59	7.14
90.0	11.14	10.41	9.62	8.89	8.33	7.76	7.26	6.92	6.58
135.0	11.81	10.86	10.13	9.45	8.72	8.16	7.65	7.20	6.81
180.0	11.87	10.86	10.13	9.45	8.72	8.16	7.71	7.14	6.86
225.0	12.83	11.98	11.03	10.24	9.56	8.78	8.21	7.82	7.31
270.0	12.60	11.87	10.86	10.07	9.39	8.61	8.04	7.59	7.03
315.0	12.21	11.31	10.46	9.84	9.06	8.38	7.88	7.43	7.03
360.0	12.71	11.81	11.03	10.29	9.51	8.89	8.27	7.76	7.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.92	6.64	6.30	6.08	5.85	5.68	5.51	5.34	5.18
45.0	6.86	6.58	6.24	6.08	5.85	5.68	5.46	5.34	5.12
90.0	6.24	6.02	5.85	5.63	5.46	5.29	5.18	5.01	4.89
135.0	6.98	6.81	6.58	5.79	5.57	5.40	5.23	5.06	4.95
180.0	6.53	6.24	6.08	5.85	5.63	5.46	5.29	5.12	5.01
225.0	6.92	6.64	6.36	6.13	5.91	5.74	5.51	5.34	5.18
270.0	6.69	6.41	6.13	5.91	5.74	5.57	5.34	5.23	5.12
315.0	6.69	6.36	6.13	5.96	5.68	5.57	5.40	5.18	5.01
360.0	6.92	6.64	6.30	6.08	5.85	5.68	5.51	5.34	5.18
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.06	4.89	4.78	4.67	4.56	4.44	4.33	4.28	4.16
45.0	5.01	4.84	4.73	4.61	4.50	4.39	4.28	4.16	4.11
90.0	4.78	4.67	4.56	4.50	4.39	4.33	4.73	6.30	8.61
135.0	4.78	4.67	4.50	4.39	4.33	4.22	4.11	4.05	3.94
180.0	4.89	4.73	4.61	4.50	4.39	4.28	4.16	4.05	3.99
225.0	5.01	4.89	4.73	4.61	4.50	4.44	4.28	4.16	4.11
270.0	5.01	4.84	4.78	4.67	4.61	4.50	4.44	4.33	4.89
315.0	4.89	4.78	4.67	4.56	4.39	4.33	4.22	4.11	4.05
360.0	5.06	4.89	4.78	4.67	4.56	4.44	4.33	4.28	4.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.05	3.94	3.83	3.71	3.66	3.54	3.43	3.32	3.26
45.0	3.99	3.88	3.71	3.66	3.54	3.49	3.38	3.26	3.15
90.0	11.87	15.30	18.34	21.04	23.23	22.44	20.25	17.78	15.58
135.0	3.83	3.77	3.66	3.54	3.49	3.38	3.26	3.21	3.15
180.0	3.88	3.77	3.66	3.60	3.49	3.38	3.32	3.26	3.15
225.0	3.99	3.88	3.71	3.66	3.54	3.49	3.38	3.26	3.15
270.0	7.09	10.52	14.63	18.68	21.88	24.81	25.20	23.18	20.31
315.0	3.94	3.77	3.71	3.66	3.54	3.43	3.38	3.26	3.15
360.0	4.05	3.94	3.83	3.71	3.66	3.54	3.43	3.32	3.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.15	3.09	2.98	2.87	2.81	2.70	2.59	2.48	2.42
45.0	3.04	2.98	2.87	2.76	2.64	2.59	2.48	2.36	2.25
90.0	12.32	7.20	3.49	2.98	2.87	2.70	2.42	2.31	2.25
135.0	3.04	2.93	2.81	2.70	2.64	2.53	2.36	2.25	2.19
180.0	3.04	2.93	2.87	2.76	2.64	2.53	2.42	2.31	2.31
225.0	3.04	2.98	2.87	2.81	2.70	2.59	2.48	2.36	2.31
270.0	17.49	15.08	10.35	5.06	3.21	2.87	2.70	2.48	2.36
315.0	3.09	3.04	2.87	2.81	2.70	2.59	2.48	2.31	2.25
360.0	3.15	3.09	2.98	2.87	2.81	2.70	2.59	2.48	2.42

Intensity data(cd)

Appendix Page: 19 Total:19

C/ $\gamma(^{\circ})$	90.0
0.0	2.31
45.0	2.25
90.0	2.19
135.0	2.14
180.0	2.31
225.0	2.31
270.0	2.31
315.0	2.25
360.0	2.31