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Nata

LumCAT: LN01D05015DA-N

Luminaire: 97.70.234.00

Report No: 200805-B009

Test No: 200805-C009

LampCAT: BRIDGELUX V6HD LES7

Lamp flux(lm): 705.6

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 33.8000

Current(A): 0.1500

Power (W): 5.0700

PF: 0.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 630.10

Efficiency(%): 89.29%

Lumens(lm)/Power(W): 124.28

Central intensity(cd): 5912.016

Maximum intensity(cd): 5912.016

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=15.8

[C90/270]Total=15.8

Field angle(10%Imax): [C0/180]Total=29.8

[C90/270]Total=29.8

Maximum s/h(1/2): C0_180=0.27 C90_270=0.27

Maximum s/h(1/4): C0_180=0.27 C90_270=0.27

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.542%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5912.016	0.000	0	.000%	.000%
1.0	5850.281	5.628	5.628	.798%	.893%
2.0	5661.563	16.523	22.151	2.342%	3.515%
3.0	5350.570	26.337	48.488	3.732%	7.695%
4.0	4941.070	34.449	82.938	4.882%	13.163%
5.0	4470.258	40.487	123.425	5.738%	19.588%
6.0	3935.742	44.176	167.601	6.260%	26.599%
7.0	3401.438	45.542	213.142	6.454%	33.827%
8.0	2911.992	45.184	258.326	6.403%	40.998%
9.0	2417.695	43.194	301.521	6.121%	47.853%
10.0	1950.047	39.526	341.047	5.602%	54.126%
11.0	1556.438	35.037	376.084	4.965%	59.686%
12.0	1220.316	30.354	406.438	4.302%	64.504%
13.0	961.116	25.888	432.326	3.669%	68.612%
14.0	742.001	21.800	454.126	3.089%	72.072%
15.0	574.896	18.079	472.205	2.562%	74.941%
16.0	445.830	14.957	487.161	2.120%	77.315%
17.0	345.762	12.327	499.488	1.747%	79.271%
18.0	276.623	10.262	509.75	1.454%	80.900%
19.0	228.769	8.793	518.543	1.246%	82.295%
20.0	179.698	7.476	526.019	1.059%	83.482%
21.0	149.323	6.318	532.337	.895%	84.484%
22.0	126.429	5.541	537.878	.785%	85.364%
23.0	108.450	4.928	542.807	.698%	86.146%
24.0	93.994	4.426	547.233	.627%	86.849%
25.0	82.118	4.004	551.237	.567%	87.484%
26.0	72.731	3.655	554.892	.518%	88.064%
27.0	64.688	3.362	558.254	.476%	88.598%
28.0	57.466	3.093	561.347	.438%	89.089%
29.0	51.750	2.857	564.204	.405%	89.542%
30.0	46.835	2.662	566.866	.377%	89.964%
31.0	42.279	2.480	569.346	.351%	90.358%
32.0	38.686	2.320	571.666	.329%	90.726%
33.0	35.599	2.188	573.854	.310%	91.073%
34.0	32.878	2.072	575.926	.294%	91.402%
35.0	30.663	1.973	577.9	.280%	91.716%
36.0	28.638	1.888	579.788	.268%	92.015%
37.0	26.909	1.812	581.6	.257%	92.303%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	25.313	1.743	583.343	.247%	92.579%
39.0	23.780	1.676	585.018	.237%	92.845%
40.0	22.430	1.612	586.63	.228%	93.101%
41.0	21.157	1.552	588.182	.220%	93.347%
42.0	19.891	1.491	589.673	.211%	93.584%
43.0	18.612	1.426	591.1	.202%	93.810%
44.0	17.501	1.363	592.463	.193%	94.027%
45.0	16.383	1.302	593.765	.185%	94.233%
46.0	15.293	1.239	595.004	.176%	94.430%
47.0	14.358	1.179	596.183	.167%	94.617%
48.0	13.542	1.128	597.311	.160%	94.796%
49.0	12.769	1.080	598.391	.153%	94.968%
50.0	12.122	1.038	599.429	.147%	95.132%
51.0	11.573	1.003	600.432	.142%	95.291%
52.0	11.053	0.971	601.403	.138%	95.446%
53.0	10.603	0.942	602.345	.134%	95.595%
54.0	10.195	0.917	603.261	.130%	95.741%
55.0	9.837	0.894	604.155	.127%	95.882%
56.0	9.471	0.872	605.028	.124%	96.021%
57.0	9.134	0.851	605.879	.121%	96.156%
58.0	8.817	0.830	606.709	.118%	96.288%
59.0	8.522	0.811	607.519	.115%	96.416%
60.0	8.241	0.792	608.311	.112%	96.542%
61.0	7.966	0.773	609.085	.110%	96.665%
62.0	7.720	0.756	609.841	.107%	96.785%
63.0	7.495	0.740	610.581	.105%	96.902%
64.0	7.256	0.724	611.304	.103%	97.017%
65.0	7.052	0.708	612.013	.100%	97.129%
66.0	6.884	0.695	612.708	.099%	97.240%
67.0	6.701	0.683	613.391	.097%	97.348%
68.0	6.525	0.670	614.061	.095%	97.454%
69.0	6.356	0.657	614.718	.093%	97.559%
70.0	6.209	0.645	615.363	.091%	97.661%
71.0	6.314	0.647	616.011	.092%	97.764%
72.0	6.912	0.688	616.698	.097%	97.873%
73.0	7.840	0.771	617.47	.109%	97.995%
74.0	8.810	0.875	618.345	.124%	98.134%
75.0	9.654	0.976	619.321	.138%	98.289%

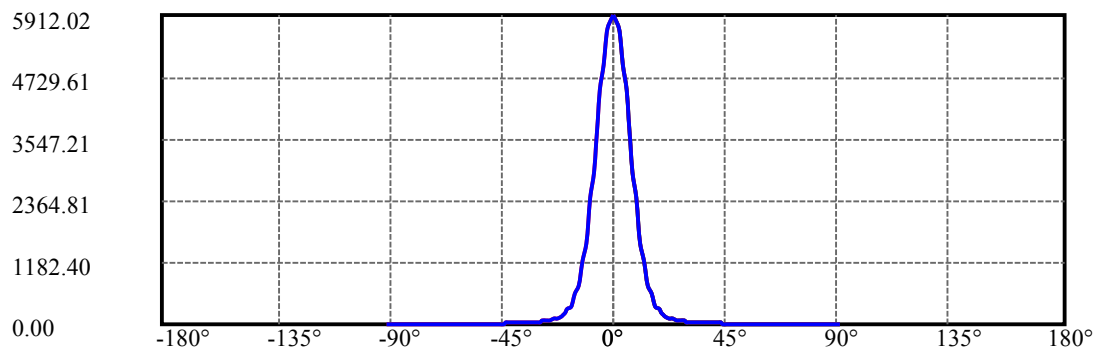
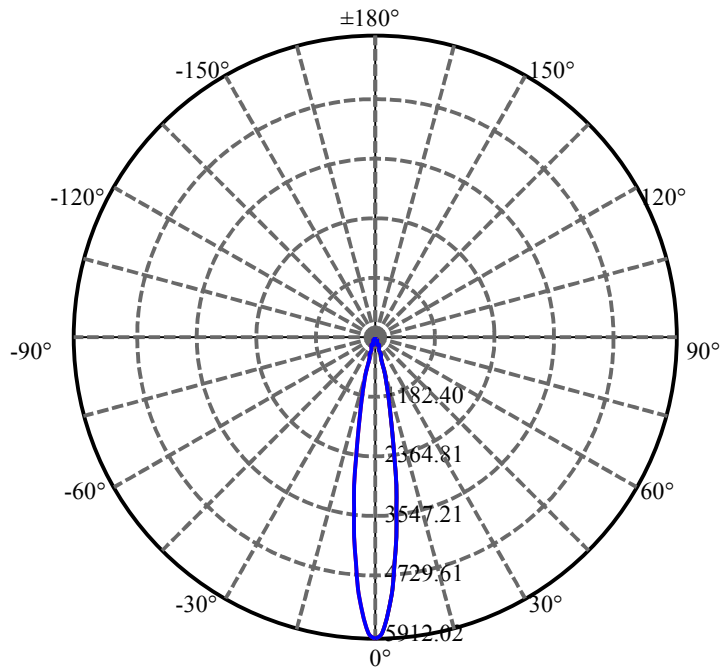
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.420	1.066	620.386	.151%	98.458%
77.0	10.983	1.141	621.527	.162%	98.639%
78.0	10.955	1.174	622.702	.166%	98.826%
79.0	10.209	1.137	623.839	.161%	99.006%
80.0	9.105	1.041	624.88	.148%	99.172%
81.0	8.030	0.927	625.807	.131%	99.319%
82.0	6.947	0.812	626.619	.115%	99.447%
83.0	5.562	0.680	627.299	.096%	99.555%
84.0	4.388	0.542	627.841	.077%	99.641%
85.0	3.790	0.446	628.287	.063%	99.712%
86.0	3.558	0.402	628.689	.057%	99.776%
87.0	3.354	0.378	629.067	.054%	99.836%
88.0	3.171	0.357	629.424	.051%	99.893%
89.0	3.066	0.342	629.766	.048%	99.947%
90.0	3.023	0.334	630.1	.047%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	566.87	80.33%	89.96%
0-40	586.63	83.13%	93.10%
0-60	608.31	86.21%	96.54%
0-90	629.77	89.25%	99.95%
0-120	629.77	89.25%	99.95%
0-180	630.10	89.29%	100.00%
60-90	22.25	3.15%	3.53%
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%
0-17.45	504.08	71.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	341.05
10-20	184.97
20-30	40.85
30-40	19.76
40-50	12.80
50-60	8.88
60-70	7.05
70-80	9.52
80-90	4.89
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: —————

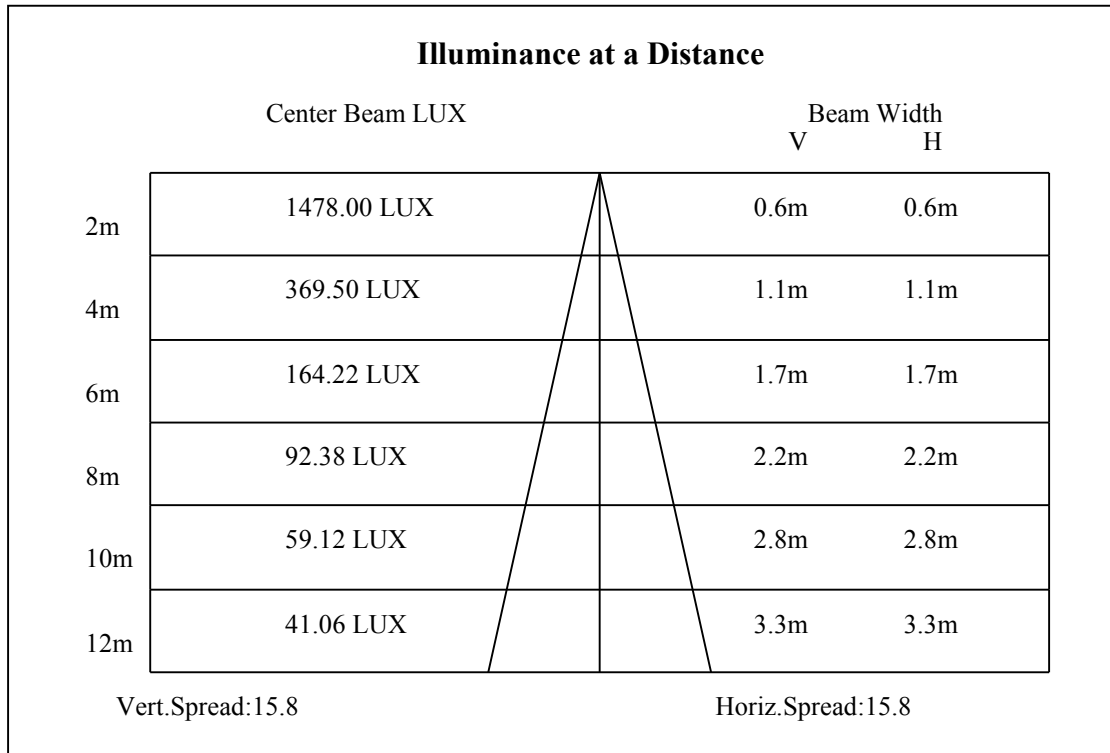
C90/C270: —————

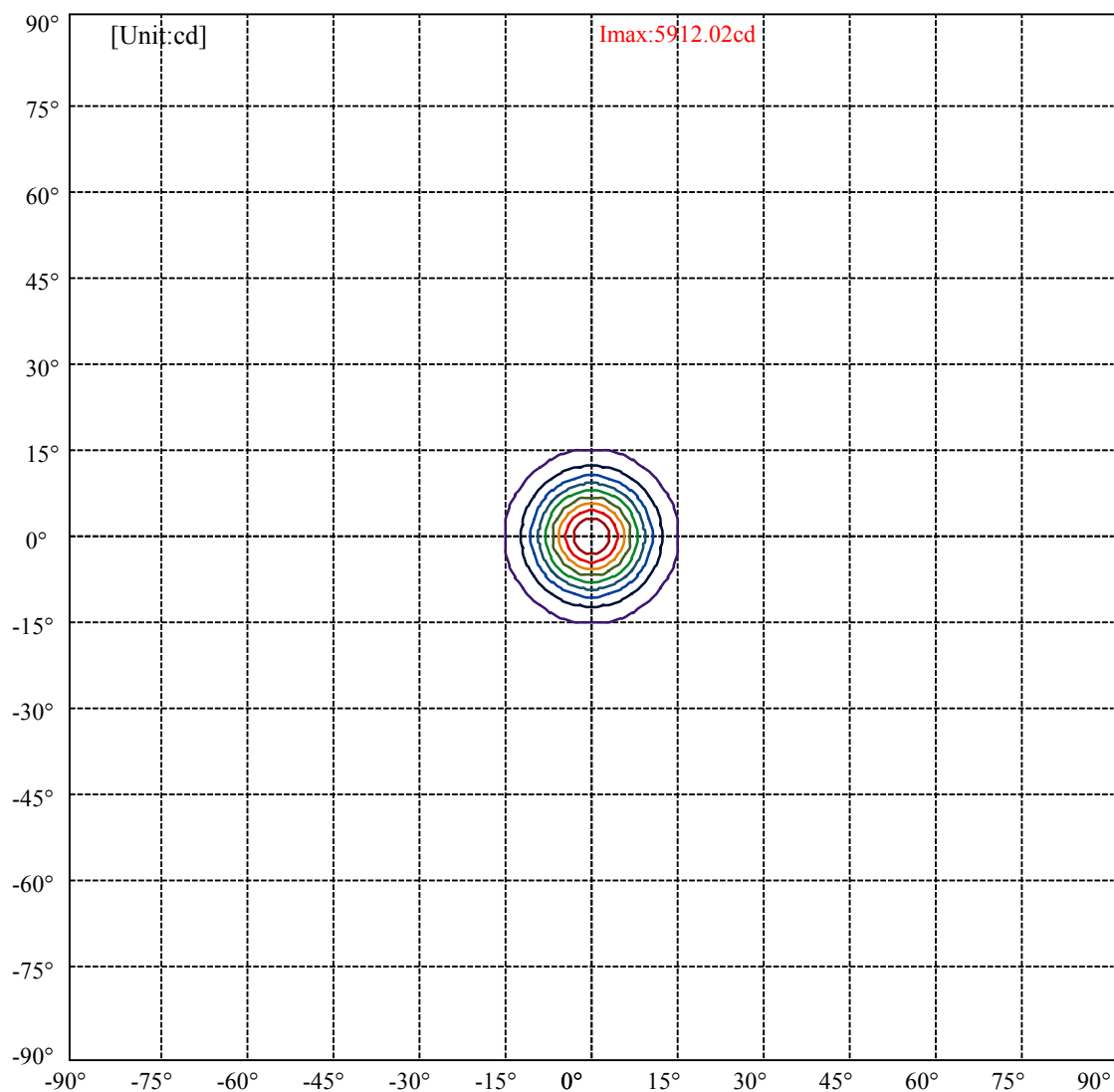
Field angle(10%Imax):C0/180Left:14.9 Right:14.9

:C90/270Left:14.9 Right:14.9

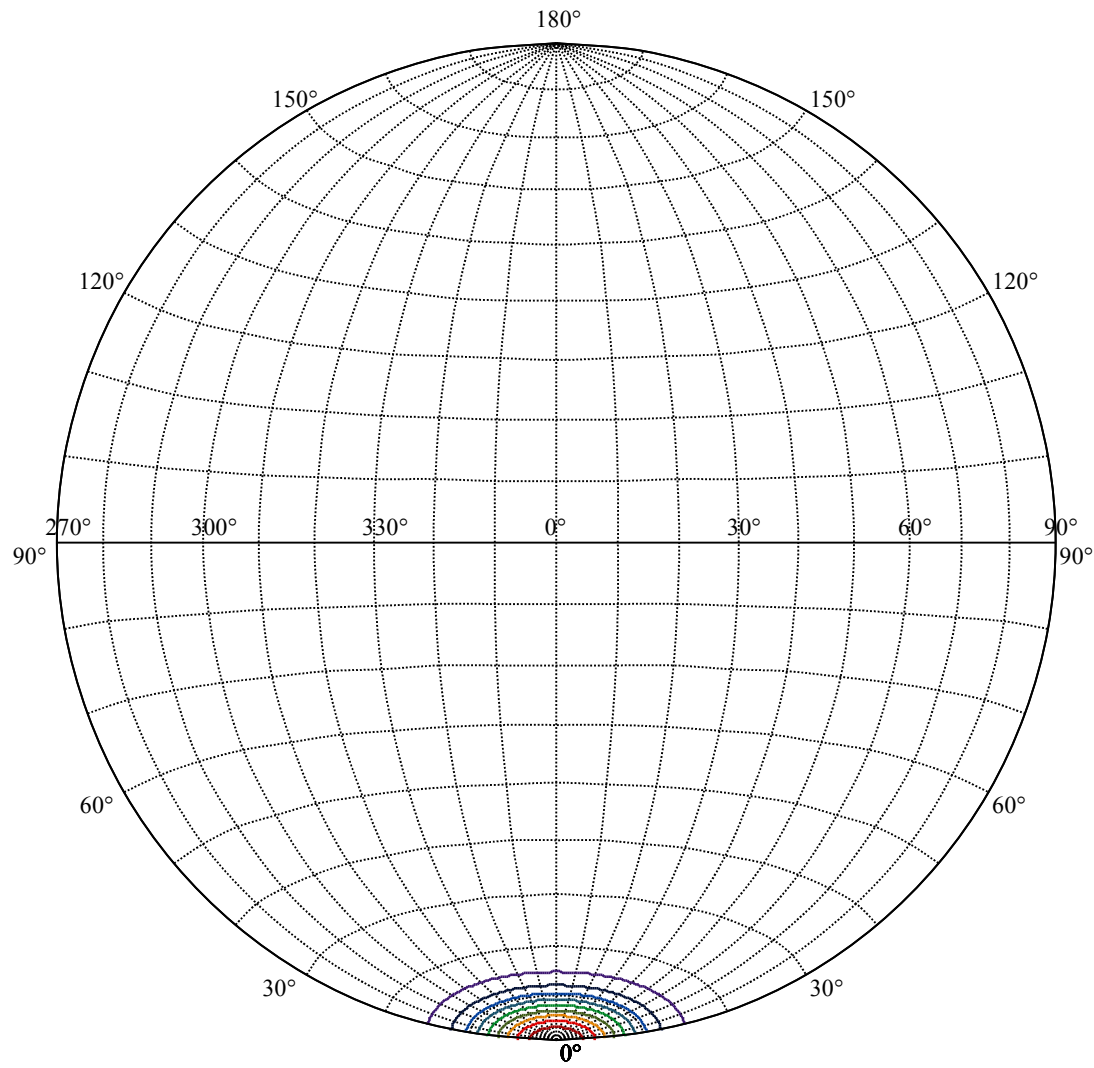
Beam Angle(50%Imax):C0/180Left:7.9 Right:7.9

:C90/270Left:7.9 Right:7.9





(10%Imax) 591.202	—
(20%Imax) 1182.4	—
(30%Imax) 1773.6	—
(40%Imax) 2364.81	—
(50%Imax) 2956.01	—
(60%Imax) 3547.21	—
(70%Imax) 4138.41	—
(80%Imax) 4729.61	—
(90%Imax) 5320.81	—

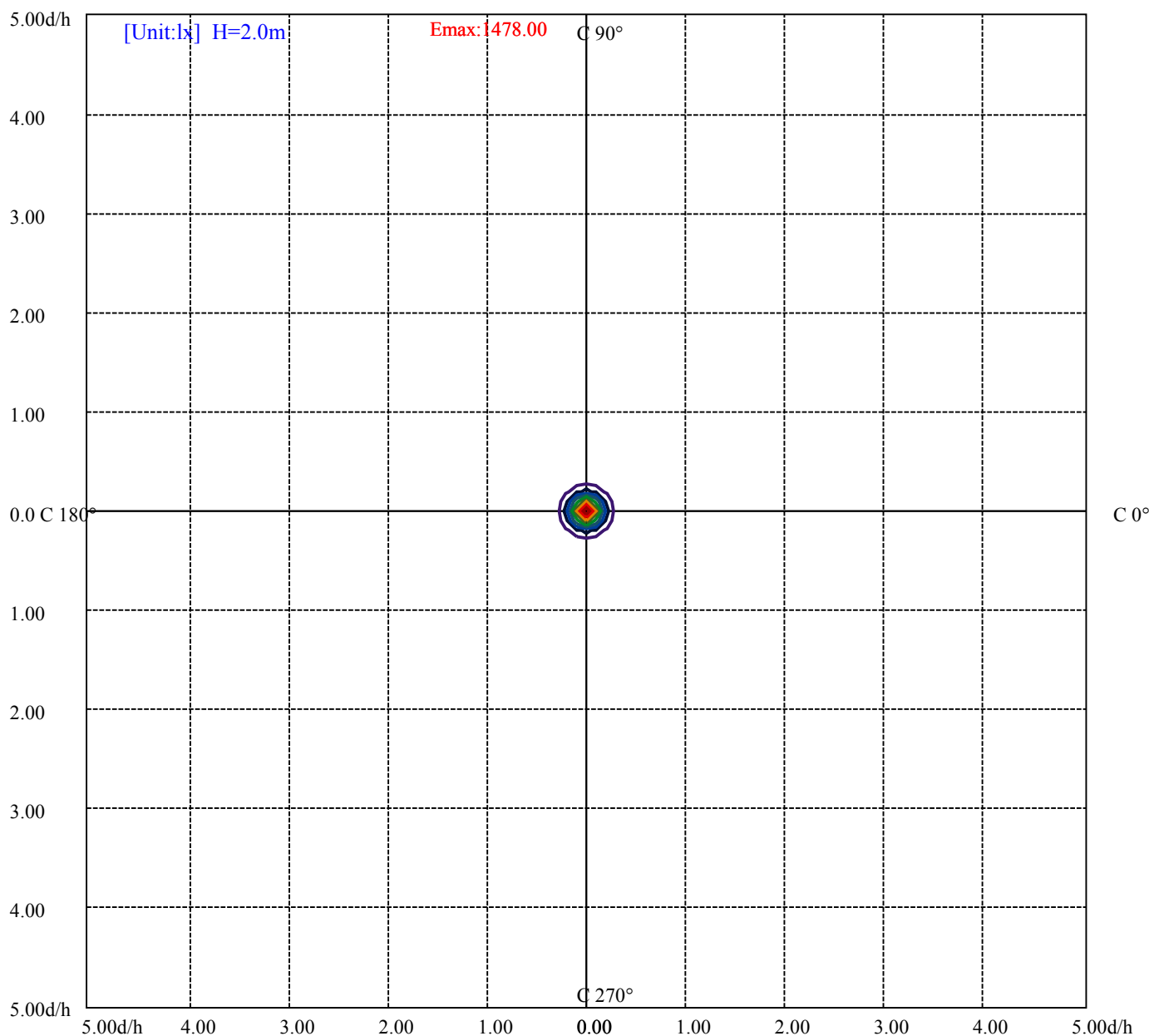


House

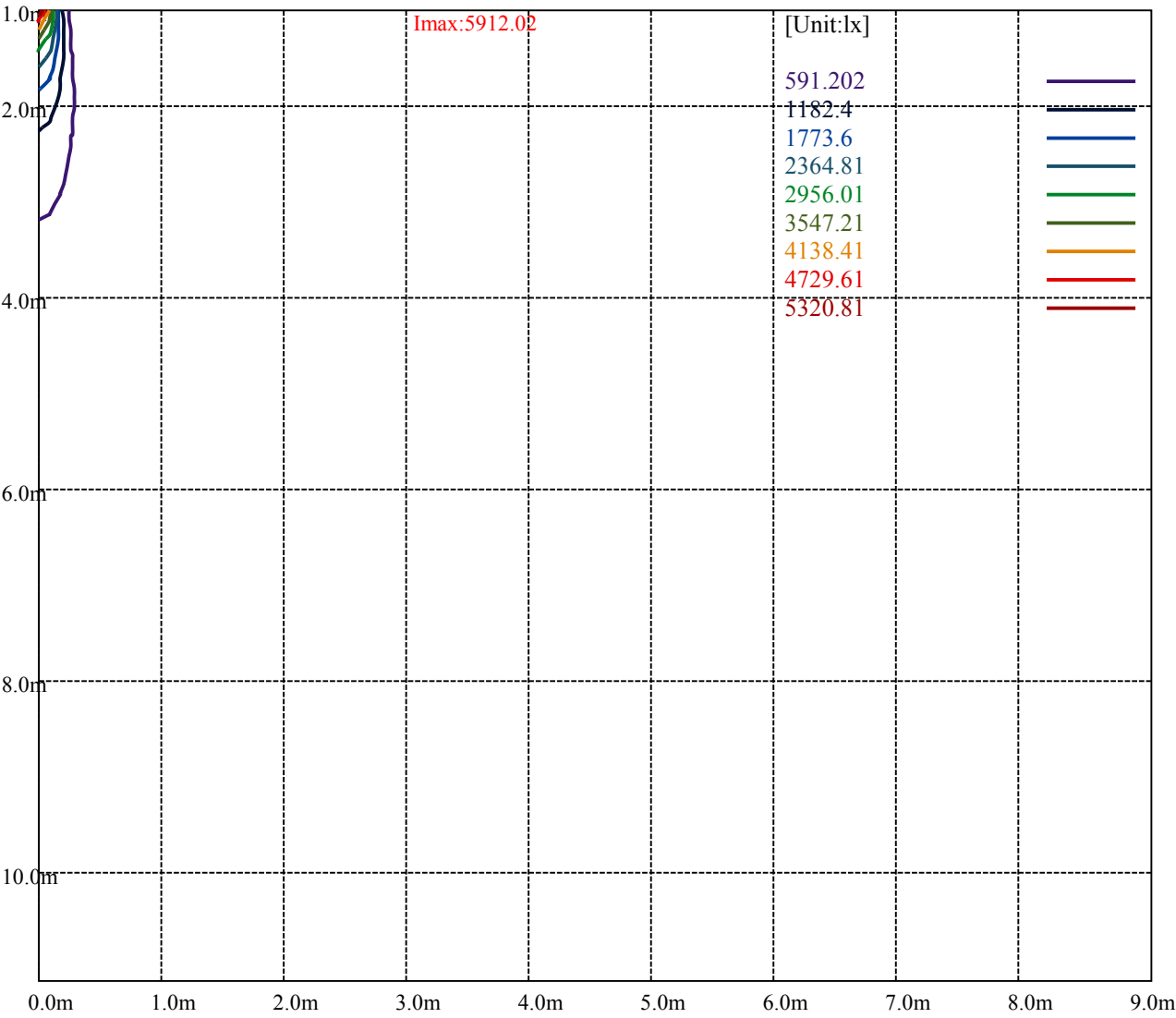
[Unit:cd]

Road

Imax:5912.02	
(10%Imax) 591.202	_____
(20%Imax) 1182.4	_____
(30%Imax) 1773.6	_____
(40%Imax) 2364.81	_____
(50%Imax) 2956.01	_____
(60%Imax) 3547.21	_____
(70%Imax) 4138.41	_____
(80%Imax) 4729.61	_____
(90%Imax) 5320.81	_____



(10%Emax) 147.8002	—
(20%Emax) 295.6	—
(30%Emax) 443.4	—
(40%Emax) 591.2	—
(50%Emax) 739	—
(60%Emax) 886.8	—
(70%Emax) 1034.6	—
(80%Emax) 1182.4	—
(90%Emax) 1330.203	—



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

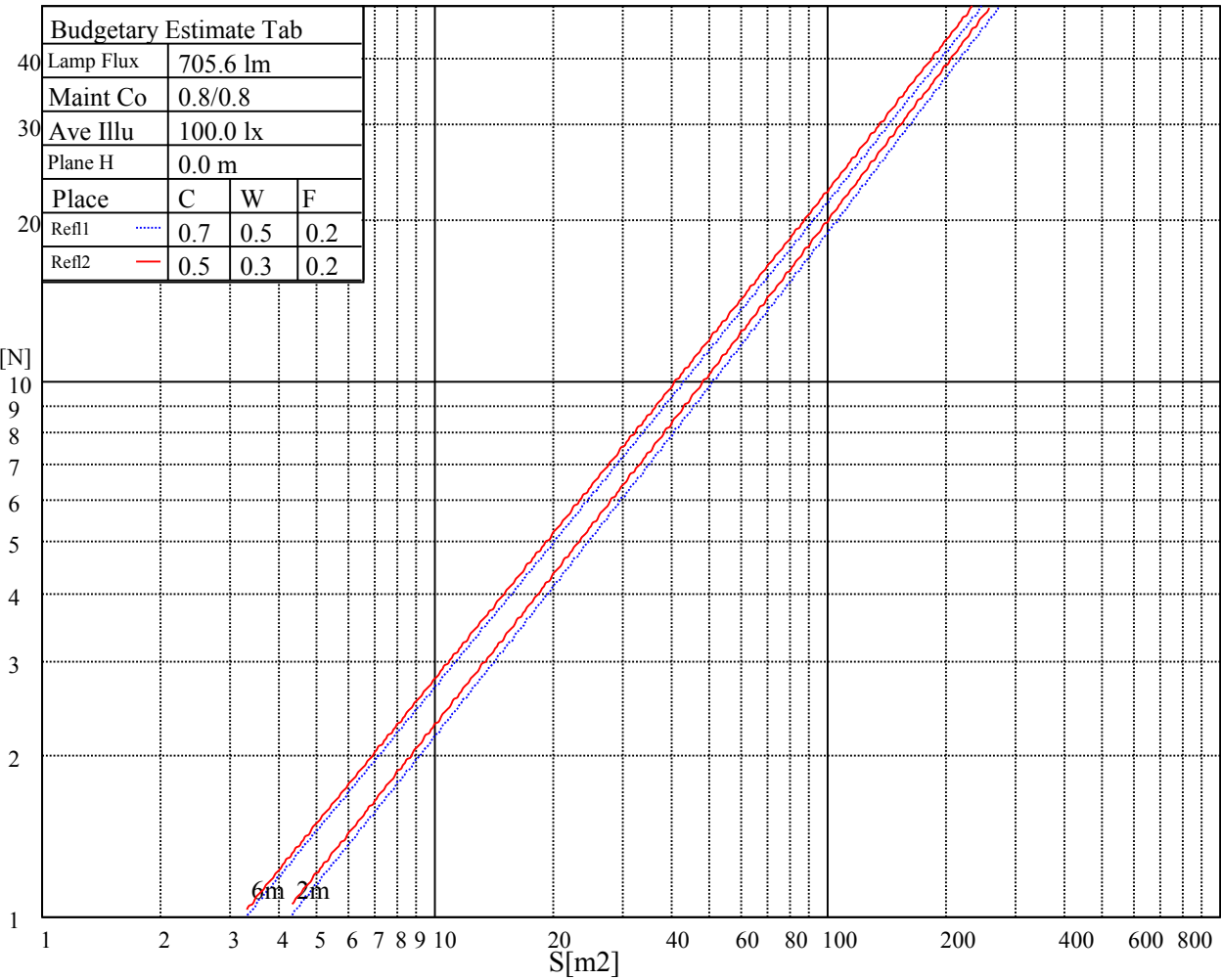
 $\gamma(^{\circ})$ 

C0 ———

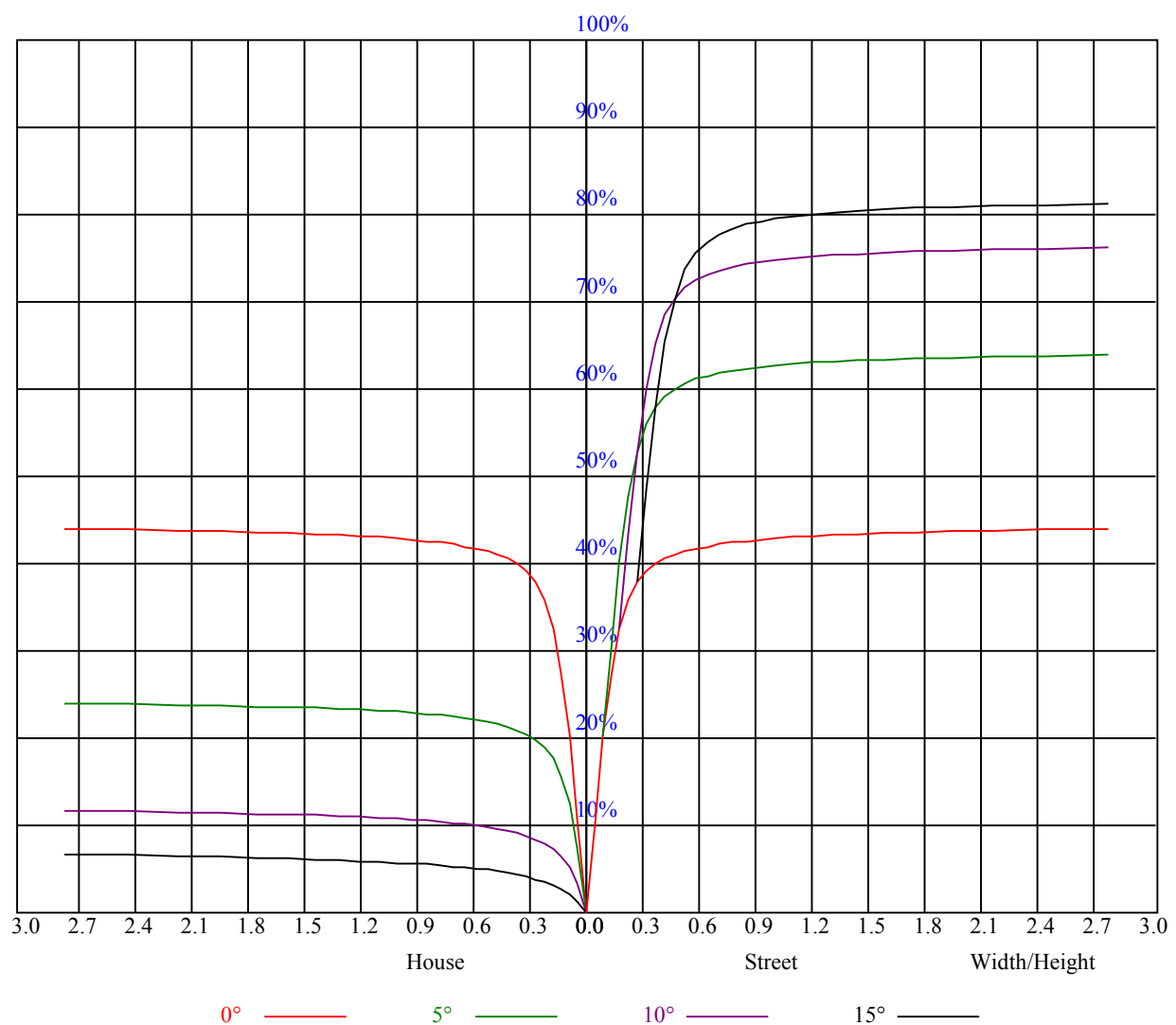
C45 ———

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	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.99	0.97	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.96	0.93	0.91	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.86	0.85	0.84	0.83
3	0.92	0.89	0.86	0.91	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.85	0.83	0.81	0.80
4	0.89	0.85	0.82	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.82	0.80	0.78	0.81	0.79	0.77	0.76
6	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.76	0.75
7	0.81	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.77	0.75	0.78	0.76	0.74	0.73
8	0.80	0.76	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.72
9	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.76	0.74	0.72	0.76	0.73	0.72	0.71
10	0.76	0.73	0.71	0.76	0.73	0.71	0.76	0.73	0.71	0.75	0.72	0.71	0.74	0.72	0.70	0.70



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	5933.25	5884.31	5709.38	5374.13	4987.13	4533.75	3926.81	3439.13	2969.44
45.0	5898.94	5772.38	5469.75	5124.94	4708.13	4133.25	3652.88	3164.06	2643.75
90.0	5888.25	5747.06	5508.00	5139.00	4676.06	4214.25	3740.63	3128.06	2657.25
135.0	5927.63	5907.94	5752.13	5470.31	5115.94	4690.69	4102.88	3609.00	3126.38
180.0	5933.25	5842.69	5641.31	5340.94	4840.31	4427.44	3865.50	3245.63	2823.19
225.0	5898.94	5918.06	5803.31	5564.25	5229.56	4749.75	4270.50	3720.94	3116.81
270.0	5888.25	5904.56	5806.13	5553.56	5203.69	4718.81	4180.50	3698.44	3219.75
315.0	5927.63	5825.25	5602.50	5237.44	4767.75	4294.13	3746.25	3206.25	2739.38
360.0	5933.25	5884.31	5709.38	5374.13	4987.13	4533.75	3926.81	3439.13	2969.44
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2411.44	1996.88	1625.06	1265.63	972.56	761.63	576.56	451.13	345.94
45.0	2163.94	1774.69	1395.00	1116.56	865.69	671.63	538.31	424.13	334.69
90.0	2216.81	1720.13	1272.38	1107.51	854.94	655.20	519.24	404.33	327.26
135.0	2550.38	2117.81	1722.38	1343.81	1041.19	823.50	630.00	497.81	382.50
180.0	2361.38	1793.25	1481.63	1113.75	903.26	685.80	532.86	416.70	308.53
225.0	2707.88	2208.38	1715.06	1296.56	1120.67	830.08	650.59	508.16	397.74
270.0	2637.56	2204.44	1803.38	1411.88	1088.44	851.63	640.69	478.13	372.38
315.0	2292.19	1784.81	1436.63	1106.83	842.18	656.55	510.92	386.27	297.06
360.0	2411.44	1996.88	1625.06	1265.63	972.56	761.63	576.56	451.13	345.94
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	284.63	217.91	175.84	144.39	122.85	105.75	89.27	78.36	69.41
45.0	284.63	227.42	179.49	152.49	129.83	108.00	94.67	82.52	71.83
90.0	259.88	209.64	174.94	145.01	122.12	106.20	93.32	80.38	71.89
135.0	303.19	286.88	195.47	161.16	136.29	115.76	97.37	84.66	74.59
180.0	245.14	199.13	160.09	131.96	113.01	96.58	83.87	74.48	65.64
225.0	300.04	243.96	201.32	162.34	138.71	119.98	102.88	89.27	79.43
270.0	294.75	251.21	188.16	162.62	135.28	116.66	105.24	91.63	82.35
315.0	240.75	194.01	162.28	134.61	113.34	98.66	85.33	75.66	66.71
360.0	284.63	217.91	175.84	144.39	122.85	105.75	89.27	78.36	69.41
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	61.09	54.17	49.16	44.04	39.94	36.90	33.98	31.89	29.76
45.0	63.11	56.64	50.51	45.90	41.57	37.97	35.16	32.63	30.66
90.0	64.69	57.04	51.81	47.03	42.13	38.87	35.94	32.85	31.16
135.0	65.25	57.54	51.69	46.52	40.89	37.97	34.59	32.06	29.87
180.0	59.01	52.88	47.08	42.75	39.21	35.44	33.02	30.88	28.63
225.0	70.14	62.94	56.19	50.40	45.96	41.63	37.80	34.93	32.40
270.0	74.25	65.76	59.68	54.56	48.66	44.66	40.95	36.96	34.14
315.0	59.96	52.76	47.87	43.48	39.88	36.06	33.36	30.83	28.69
360.0	61.09	54.17	49.16	44.04	39.94	36.90	33.98	31.89	29.76
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	28.01	26.44	25.09	23.63	22.44	21.32	19.97	18.90	17.89
45.0	28.63	27.06	25.20	23.91	22.56	20.98	19.58	18.34	17.04
90.0	29.03	27.17	25.65	24.02	22.22	21.09	19.80	18.06	17.04
135.0	27.90	26.38	25.09	23.57	22.39	21.21	19.97	18.79	17.78
180.0	27.06	25.65	24.24	22.95	21.77	20.59	19.58	18.39	17.21
225.0	29.76	27.79	26.16	24.24	22.95	21.60	20.31	19.07	17.94
270.0	31.73	29.25	27.00	25.31	23.63	22.28	20.76	19.41	18.23
315.0	27.00	25.54	24.08	22.61	21.49	20.19	19.18	17.94	16.88
360.0	28.01	26.44	25.09	23.63	22.44	21.32	19.97	18.90	17.89

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	16.71	15.69	14.79	13.89	13.05	12.49	11.87	11.36	10.91
45.0	15.86	14.96	13.95	13.28	12.54	11.93	11.42	10.97	10.46
90.0	15.92	14.74	13.84	13.05	12.32	11.70	11.19	10.69	10.29
135.0	16.76	15.53	14.68	13.89	13.05	12.43	11.87	11.31	10.86
180.0	16.20	15.24	14.23	13.50	12.83	12.15	11.59	11.08	10.63
225.0	16.71	15.69	14.68	13.73	12.99	12.32	11.70	11.14	10.74
270.0	16.99	15.75	14.74	13.84	12.88	12.15	11.59	11.03	10.52
315.0	15.92	14.74	13.95	13.16	12.49	11.81	11.36	10.86	10.41
360.0	16.71	15.69	14.79	13.89	13.05	12.49	11.87	11.36	10.91
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.46	10.07	9.73	9.34	9.00	8.72	8.38	8.10	7.82
45.0	10.13	9.79	9.34	9.06	8.78	8.49	8.16	7.93	7.71
90.0	9.84	9.51	9.17	8.89	8.55	8.27	8.04	7.71	7.48
135.0	10.46	10.07	9.73	9.39	9.06	8.72	8.44	8.16	7.93
180.0	10.24	9.90	9.51	9.17	8.89	8.55	8.33	8.04	7.82
225.0	10.29	9.96	9.62	9.23	8.94	8.66	8.38	8.10	7.88
270.0	10.13	9.73	9.39	9.06	8.72	8.44	8.16	7.93	7.65
315.0	10.01	9.68	9.28	8.94	8.61	8.33	8.04	7.76	7.48
360.0	10.46	10.07	9.73	9.34	9.00	8.72	8.38	8.10	7.82
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.59	7.31	7.14	6.92	6.69	6.53	6.30	6.13	5.96
45.0	7.43	7.20	6.98	6.75	6.64	6.41	6.30	6.13	5.96
90.0	7.26	7.09	6.92	6.81	6.64	6.53	6.36	6.24	7.20
135.0	7.71	7.37	7.14	6.98	6.81	6.64	6.41	6.24	6.08
180.0	7.59	7.37	7.14	6.98	6.81	6.64	6.47	6.36	6.19
225.0	7.65	7.43	7.20	7.09	6.86	6.69	6.53	6.36	6.30
270.0	7.48	7.26	7.14	6.98	6.75	6.58	6.47	6.36	7.14
315.0	7.26	7.03	6.75	6.58	6.41	6.19	6.02	5.85	5.68
360.0	7.59	7.31	7.14	6.92	6.69	6.53	6.30	6.13	5.96
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.79	5.63	5.46	5.34	5.18	5.01	4.89	4.73	4.56
45.0	5.85	5.68	5.57	5.29	5.18	5.01	4.78	4.67	4.56
90.0	9.96	13.89	17.89	21.71	25.03	27.34	26.78	23.74	19.58
135.0	5.91	5.68	5.51	5.34	5.12	5.01	4.78	4.61	4.50
180.0	6.02	5.85	5.63	5.34	5.18	5.01	4.89	4.73	4.56
225.0	6.08	5.91	5.74	5.57	5.34	5.23	5.06	4.89	4.73
270.0	10.18	14.74	19.52	23.63	27.51	30.54	31.89	29.87	26.10
315.0	5.51	5.34	5.18	5.01	4.84	4.73	4.56	4.44	4.28
360.0	5.79	5.63	5.46	5.34	5.18	5.01	4.89	4.73	4.56
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.44	4.28	4.16	3.94	3.83	3.60	3.43	3.26	3.15
45.0	4.33	4.22	4.05	3.83	3.66	3.43	3.26	3.09	3.04
90.0	16.31	12.88	7.59	4.28	3.83	3.49	3.15	3.09	2.98
135.0	4.33	4.11	3.94	3.77	3.60	3.43	3.21	3.09	3.04
180.0	4.39	4.28	4.11	3.94	3.71	3.54	3.38	3.21	3.15
225.0	4.56	4.39	4.22	4.05	3.88	3.66	3.49	3.32	3.09
270.0	21.77	17.44	12.60	7.65	4.33	3.99	3.71	3.26	3.09
315.0	4.11	3.99	3.83	3.66	3.49	3.32	3.21	3.04	2.98
360.0	4.44	4.28	4.16	3.94	3.83	3.60	3.43	3.26	3.15

Intensity data(cd)

Appendix Page: 19 Total:19

C/ γ (°)	90.0
0.0	3.09
45.0	2.98
90.0	2.98
135.0	2.98
180.0	3.21
225.0	3.04
270.0	2.98
315.0	2.93
360.0	3.09