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Nata

Client:

LumCAT: 2-2759-L

Luminaire: 92.70.412.00

Report No: 2024819-B015

Ballast type: AC

Test No: 2024819-C015

Voltage(V): 36.780

LampCAT: CREE CXA1830 LES14

Current(A): 0.795

Lamp flux(lm): 3681.0

Power (W): 29.240

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3433.83, Efficiency(%): 93.29% , Luminous Efficacy(lm/W): 117.44

Central intensity(cd): 7150.931, Maximum intensity(cd): 7150.931

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.8

[C90/270]Total=37.8

Field angle(10%Imax): [C0/180]Total=67.6

[C90/270]Total=67.6

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.64 C90_270=0.64

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.925%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7150.931	0.000	0	0.00%	0.00%
1.0	7139.085	6.838	6.838	0.19%	0.20%
2.0	7081.200	20.410	27.248	0.55%	0.79%
3.0	6999.025	33.675	60.923	0.91%	1.77%
4.0	6882.862	46.467	107.39	1.26%	3.13%
5.0	6736.804	58.591	165.981	1.59%	4.83%
6.0	6582.132	69.995	235.976	1.90%	6.87%
7.0	6388.374	80.508	316.484	2.19%	9.22%
8.0	6193.157	90.044	406.527	2.45%	11.84%
9.0	5969.254	98.570	505.097	2.68%	14.71%
10.0	5716.008	105.747	610.844	2.87%	17.79%
11.0	5501.303	112.084	722.928	3.04%	21.05%
12.0	5245.560	117.479	840.407	3.19%	24.47%
13.0	5016.565	121.786	962.192	3.31%	28.02%
14.0	4771.138	125.282	1087.474	3.40%	31.67%
15.0	4514.357	127.475	1214.949	3.46%	35.38%
16.0	4267.950	128.685	1343.635	3.50%	39.13%
17.0	4018.883	129.048	1472.683	3.51%	42.89%
18.0	3788.298	128.723	1601.407	3.50%	46.64%
19.0	3544.191	127.570	1728.977	3.47%	50.35%
20.0	3300.787	125.282	1854.259	3.40%	54.00%
21.0	3084.676	122.614	1976.873	3.33%	57.57%
22.0	2880.261	119.868	2096.741	3.26%	61.06%
23.0	2667.212	116.401	2213.142	3.16%	64.45%
24.0	2446.935	111.814	2324.955	3.04%	67.71%
25.0	2266.830	107.181	2432.136	2.91%	70.83%
26.0	2076.140	102.516	2534.652	2.79%	73.81%
27.0	1887.197	96.964	2631.616	2.63%	76.64%
28.0	1710.706	91.091	2722.707	2.47%	79.29%
29.0	1473.038	83.296	2806.003	2.26%	81.72%
30.0	1302.913	74.950	2880.953	2.04%	83.90%
31.0	1131.362	67.742	2948.696	1.84%	85.87%
32.0	985.002	60.631	3009.327	1.65%	87.64%
33.0	830.901	53.497	3062.824	1.45%	89.20%
34.0	687.478	45.951	3108.775	1.25%	90.53%
35.0	578.588	39.319	3148.094	1.07%	91.68%
36.0	481.203	33.744	3181.838	0.92%	92.66%
37.0	400.237	28.748	3210.586	0.78%	93.50%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	335.474	24.557	3235.143	0.67%	94.21%
39.0	287.918	21.278	3256.421	0.58%	94.83%
40.0	241.788	18.474	3274.895	0.50%	95.37%
41.0	204.284	15.884	3290.779	0.43%	95.83%
42.0	176.965	13.851	3304.631	0.38%	96.24%
43.0	139.954	11.740	3316.37	0.32%	96.58%
44.0	117.030	9.699	3326.07	0.26%	96.86%
45.0	100.670	8.366	3334.436	0.23%	97.11%
46.0	85.723	7.289	3341.726	0.20%	97.32%
47.0	75.204	6.400	3348.126	0.17%	97.50%
48.0	66.281	5.720	3353.846	0.16%	97.67%
49.0	59.153	5.151	3358.997	0.14%	97.82%
50.0	53.666	4.704	3363.701	0.13%	97.96%
51.0	48.601	4.327	3368.027	0.12%	98.08%
52.0	44.744	4.005	3372.033	0.11%	98.20%
53.0	41.308	3.743	3375.776	0.10%	98.31%
54.0	38.581	3.521	3379.297	0.10%	98.41%
55.0	35.861	3.323	3382.62	0.09%	98.51%
56.0	33.798	3.148	3385.768	0.09%	98.60%
57.0	31.735	2.996	3388.764	0.08%	98.69%
58.0	29.810	2.846	3391.61	0.08%	98.77%
59.0	28.219	2.713	3394.323	0.07%	98.85%
60.0	26.682	2.594	3396.917	0.07%	98.92%
61.0	25.335	2.482	3399.399	0.07%	99.00%
62.0	24.185	2.386	3401.785	0.06%	99.07%
63.0	23.022	2.296	3404.081	0.06%	99.13%
64.0	22.017	2.210	3406.291	0.06%	99.20%
65.0	20.802	2.119	3408.41	0.06%	99.26%
66.0	19.639	2.018	3410.428	0.05%	99.32%
67.0	18.489	1.917	3412.345	0.05%	99.37%
68.0	17.359	1.816	3414.161	0.05%	99.43%
69.0	16.334	1.719	3415.88	0.05%	99.48%
70.0	15.375	1.628	3417.508	0.04%	99.52%
71.0	14.527	1.545	3419.054	0.04%	99.57%
72.0	13.666	1.466	3420.52	0.04%	99.61%
73.0	12.812	1.385	3421.905	0.04%	99.65%
74.0	11.912	1.300	3423.204	0.04%	99.69%
75.0	11.150	1.218	3424.423	0.03%	99.73%

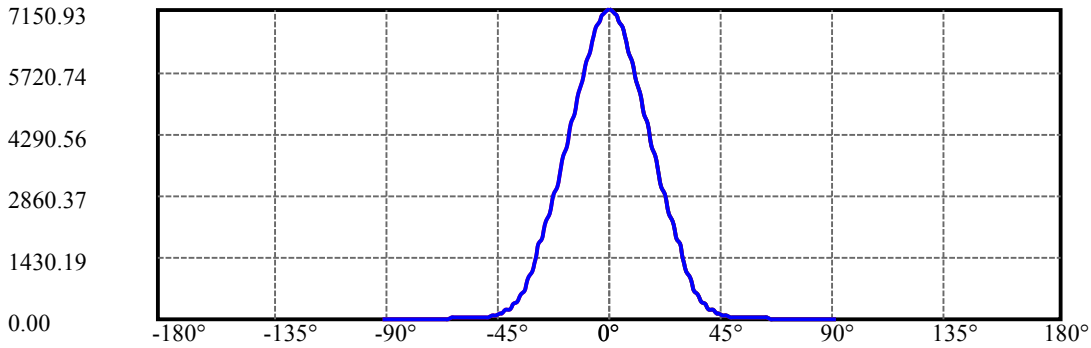
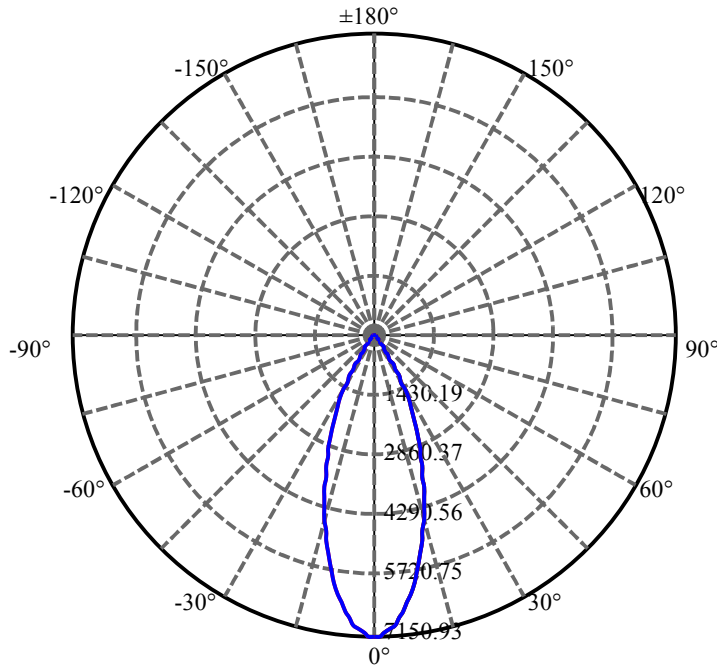
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.302	1.139	3425.562	0.03%	99.76%
77.0	9.520	1.057	3426.618	0.03%	99.79%
78.0	8.831	0.982	3427.601	0.03%	99.82%
79.0	8.029	0.906	3428.507	0.02%	99.84%
80.0	7.319	0.827	3429.334	0.02%	99.87%
81.0	6.564	0.751	3430.085	0.02%	99.89%
82.0	5.834	0.672	3430.757	0.02%	99.91%
83.0	5.138	0.596	3431.354	0.02%	99.93%
84.0	4.514	0.526	3431.88	0.01%	99.94%
85.0	3.896	0.459	3432.339	0.01%	99.96%
86.0	3.384	0.398	3432.736	0.01%	99.97%
87.0	2.904	0.344	3433.081	0.01%	99.98%
88.0	2.464	0.294	3433.375	0.01%	99.99%
89.0	2.063	0.248	3433.623	0.01%	99.99%
90.0	1.754	0.209	3433.832	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2880.95	78.27%	83.90%
0-40	3274.90	88.97%	95.37%
0-60	3396.92	92.28%	98.92%
0-90	3433.62	93.28%	99.99%
0-120	3433.62	93.28%	99.99%
0-180	3433.83	93.29%	100.00%
60-90	36.71	1.00%	1.07%
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%
0-28.29	2747.07	74.63%	80.00%

ZONAL LUMEN SUMMARY

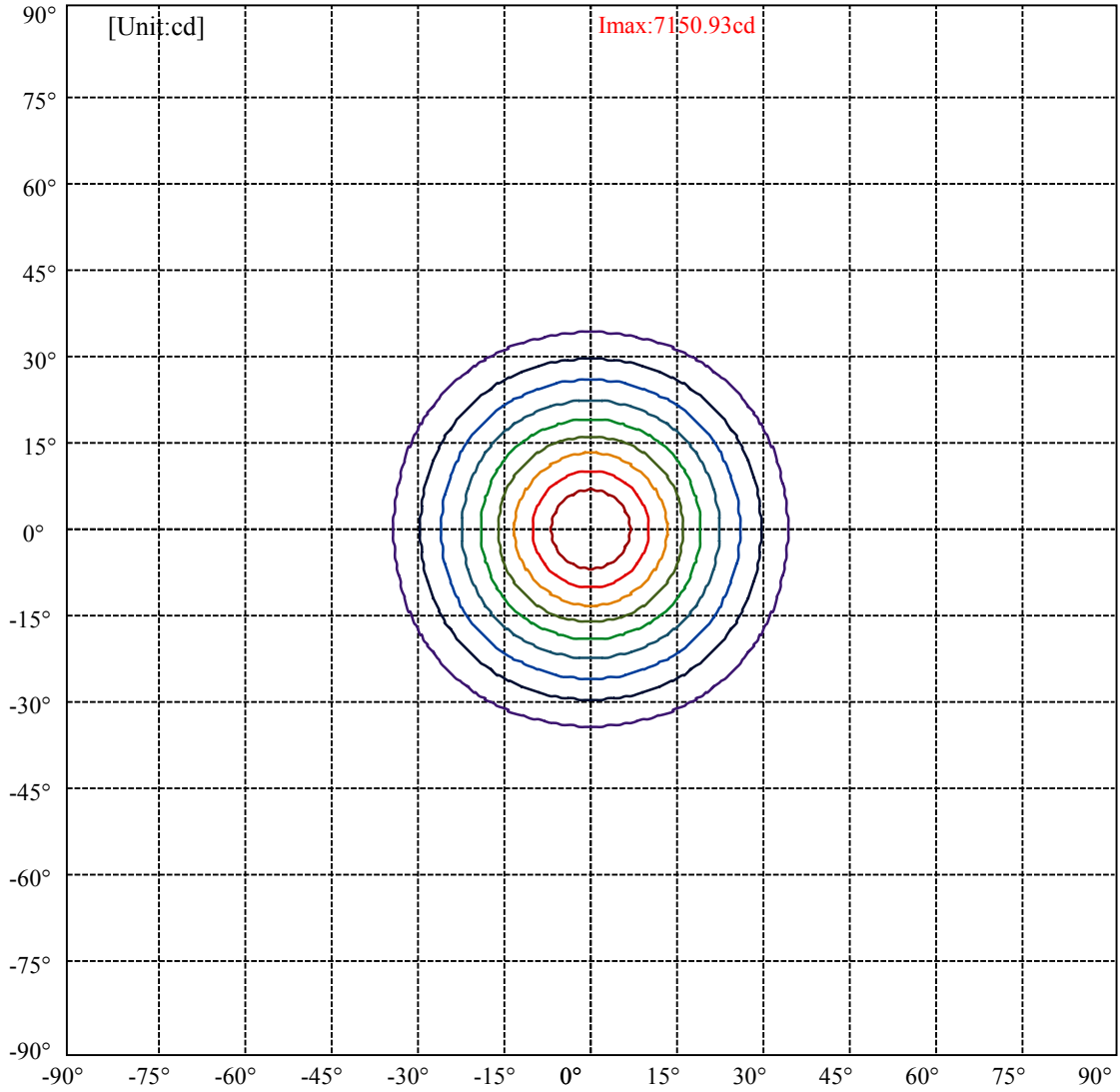
0-10	610.84
10-20	1243.41
20-30	1026.69
30-40	393.94
40-50	88.81
50-60	33.22
60-70	20.59
70-80	11.83
80-90	4.29
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



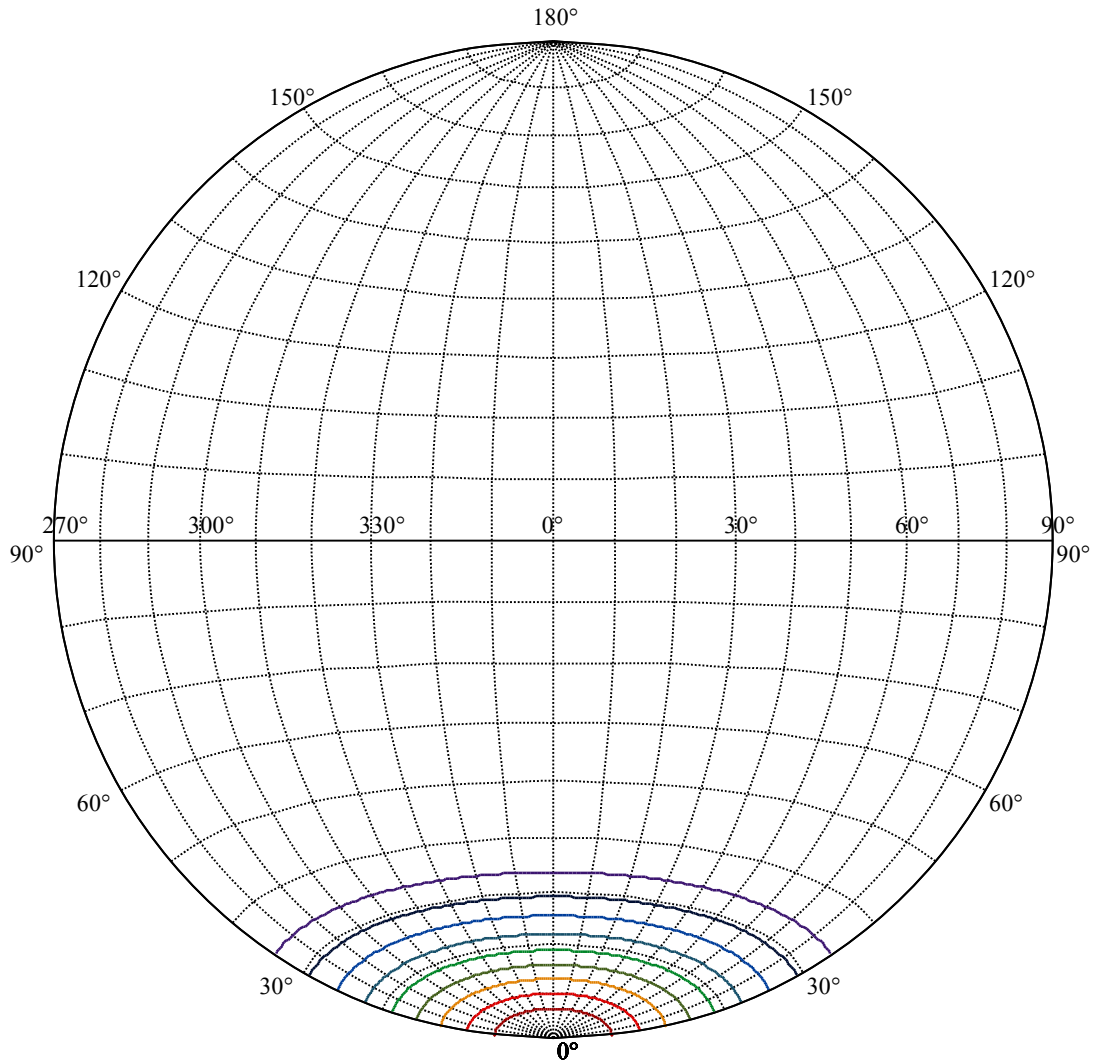
C0(Max): ———
C0/C180: ———
C90/C270: ———

Field angle(10%Imax):C0/180Left:33.8 Right:33.8
:C90/270Left:33.8 Right:33.8

Beam Angle(50%Imax):C0/180Left:18.9 Right:18.9
:C90/270Left:18.9 Right:18.9



(10%Imax) 715.093	—
(20%Imax) 1430.19	—
(30%Imax) 2145.28	—
(40%Imax) 2860.37	—
(50%Imax) 3575.47	—
(60%Imax) 4290.56	—
(70%Imax) 5005.65	—
(80%Imax) 5720.75	—
(90%Imax) 6435.84	—



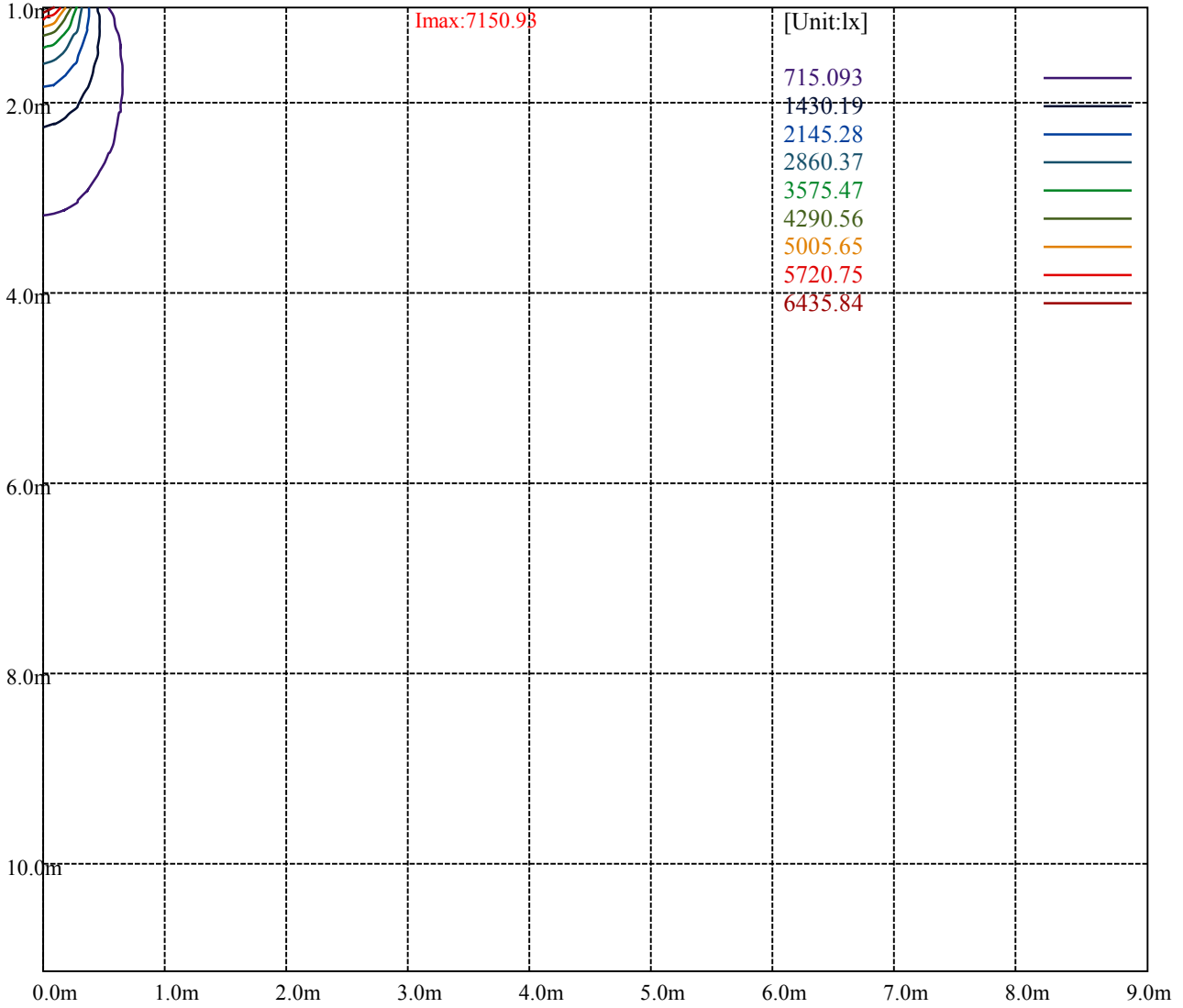
House

[Unit:cd]

Road

Imax:7150.93

(10%Imax) 715.093	—
(20%Imax) 1430.19	—
(30%Imax) 2145.28	—
(40%Imax) 2860.37	—
(50%Imax) 3575.47	—
(60%Imax) 4290.56	—
(70%Imax) 5005.65	—
(80%Imax) 5720.75	—
(90%Imax) 6435.84	—



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

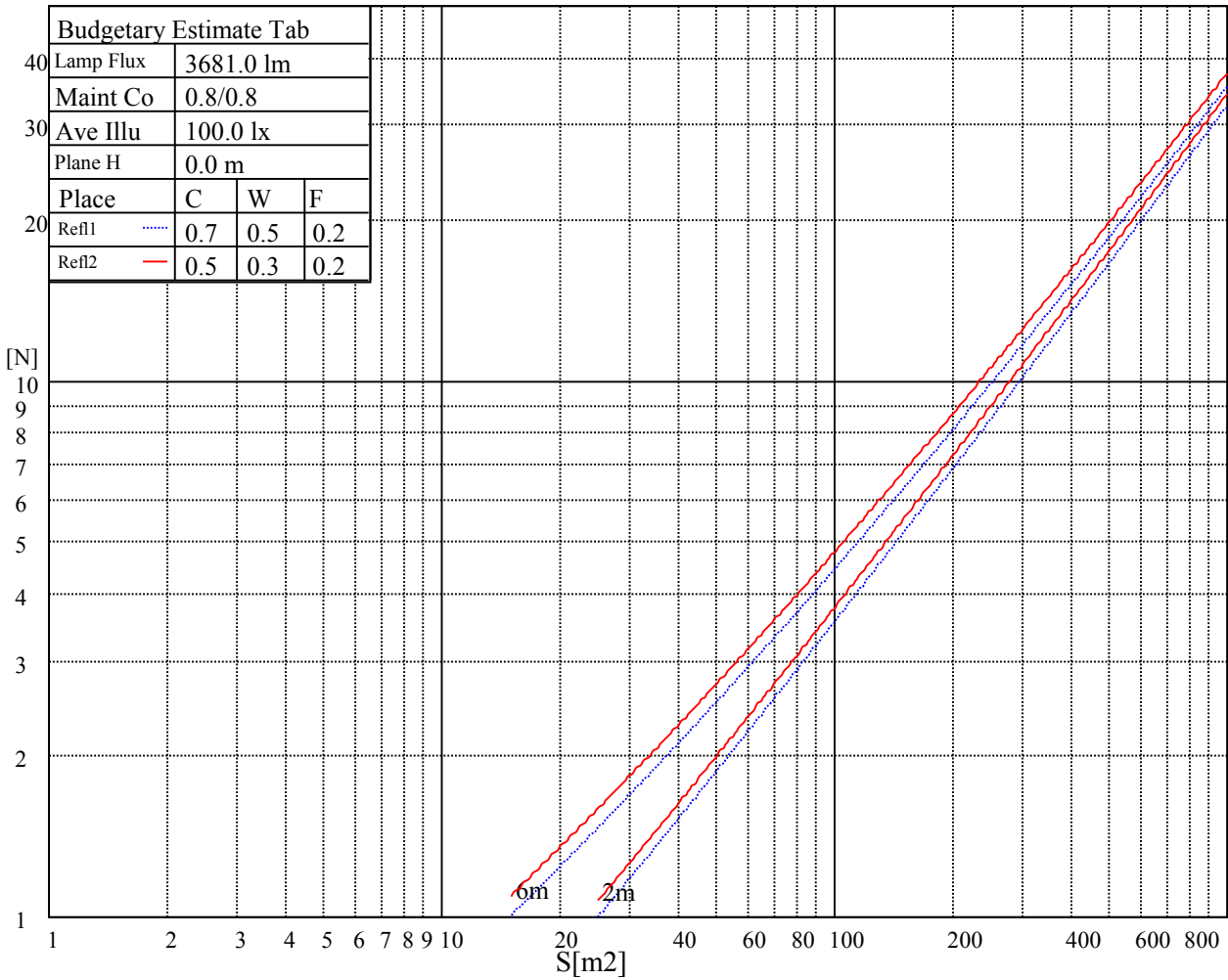
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

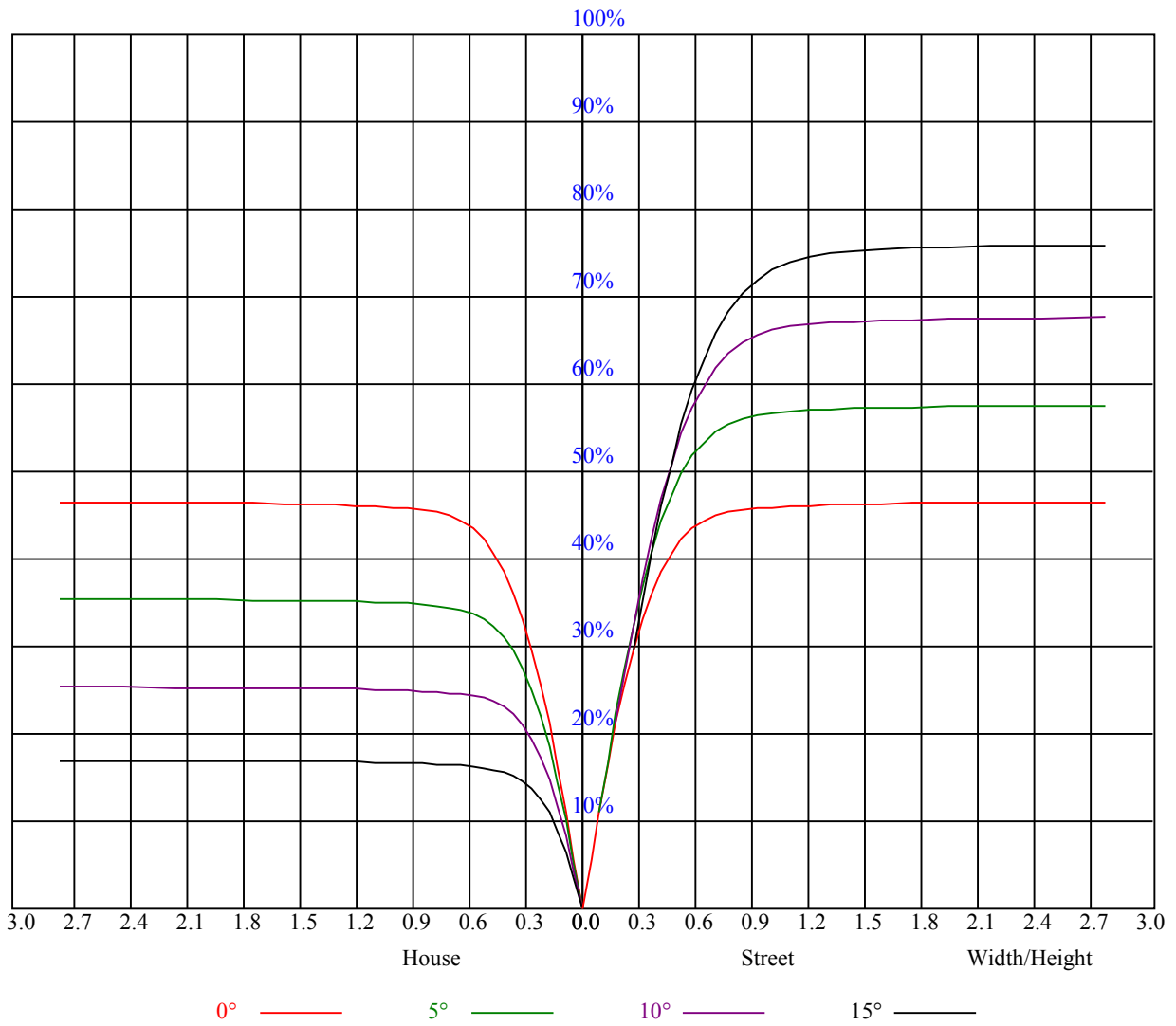


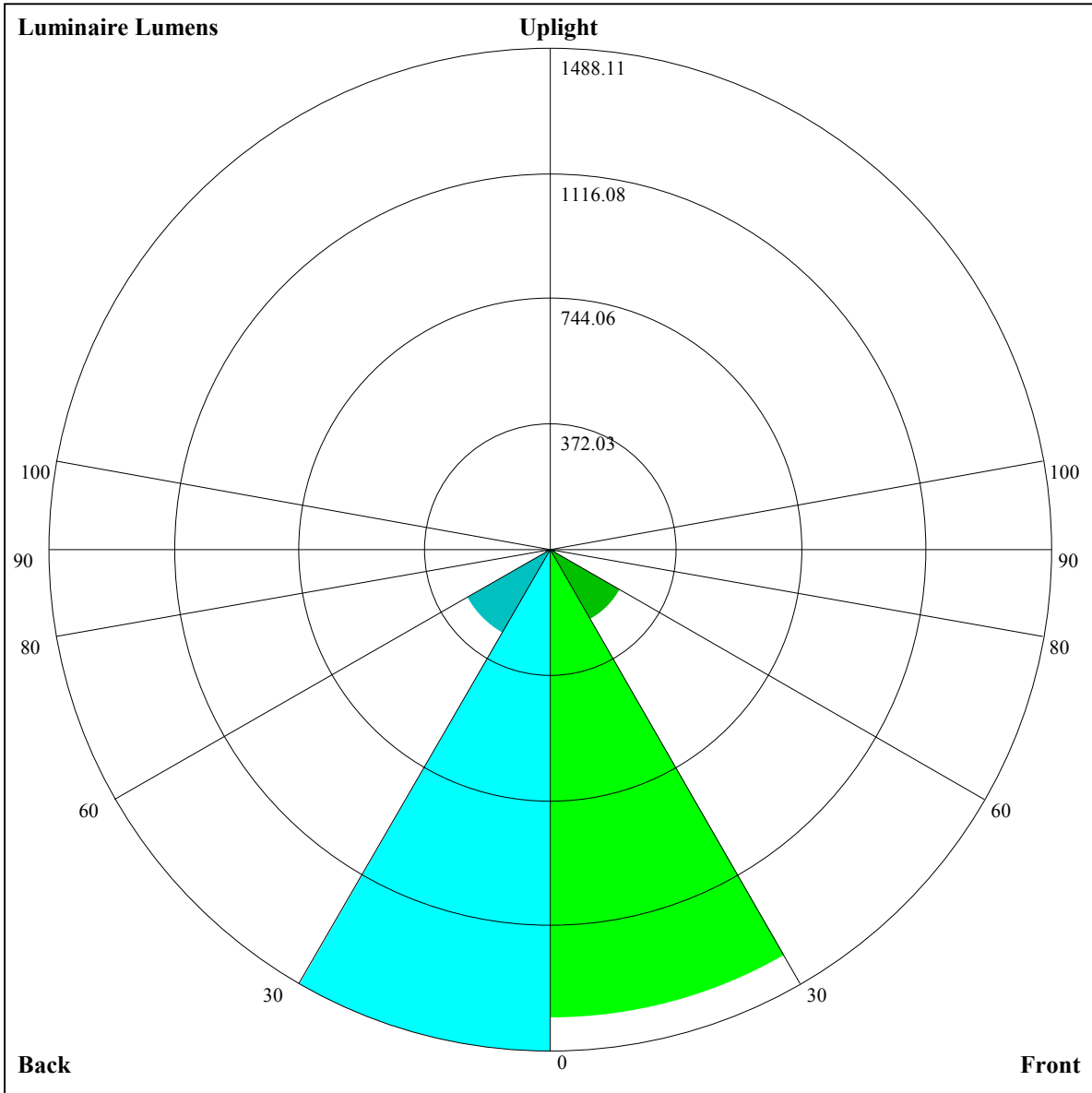
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.84	0.91	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.76	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.55





Luminaire Lumens:

FL=1390.23,FM=237.11,FH=15.99,FVH=2.16

BL=1488.11,BM=287.3,BH=16.56,BVH=2.35

UL=0,UH=0

BUG Rating:B3-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	7080.17	7022.77	6851.73	6784.87	6619.41	6331.89	6202.64	5981.45	5759.69
45.0	7187.13	7115.81	7061.77	6923.06	6787.66	6685.11	6521.32	6341.35	6136.88
90.0	7137.57	7062.35	6970.94	6826.08	6668.97	6482.32	6289.00	6095.67	5886.16
135.0	7198.85	7195.49	7157.59	7104.66	7009.42	6875.70	6779.30	6528.58	6321.85
180.0	7080.17	7172.10	7196.59	7173.20	7125.85	7043.95	6893.52	6726.37	6568.68
225.0	7187.13	7212.78	7171.52	7100.25	6999.38	6871.76	6704.08	6517.96	6289.00
270.0	7137.57	7196.07	7188.24	7126.95	7062.88	6980.98	6822.77	6684.58	6476.17
315.0	7198.85	7135.31	7051.21	6953.13	6789.34	6622.72	6444.43	6231.02	6106.82
360.0	7080.17	7022.77	6851.73	6784.87	6619.41	6331.89	6202.64	5981.45	5759.69
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5541.30	5286.63	5033.70	4784.66	4546.18	4308.81	4051.41	3806.84	3567.78
45.0	5906.24	5662.72	5413.15	5174.09	4938.40	4694.41	4443.11	4189.02	3932.73
90.0	5641.59	5394.75	5151.28	4901.66	4660.40	4396.85	4126.10	3864.24	3620.72
135.0	6190.39	5843.79	5705.08	5478.85	5243.74	5011.41	4757.90	4487.10	4225.24
180.0	6371.99	6154.70	5934.62	5702.30	5468.87	5234.28	4985.24	4738.98	4481.01
225.0	6061.09	5815.41	5573.57	5307.81	5051.52	4793.54	4598.01	4296.56	4041.37
270.0	6261.14	6035.49	5808.73	5561.90	5317.85	5071.60	4827.55	4583.50	4336.67
315.0	5780.30	5534.57	5390.28	5053.20	4905.55	4658.19	4325.53	4177.35	3945.55
360.0	5541.30	5286.63	5033.70	4784.66	4546.18	4308.81	4051.41	3806.84	3567.78
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3344.39	3114.85	2903.13	2704.76	2584.39	2298.03	2092.99	1975.98	1724.73
45.0	3671.44	3404.00	3148.81	2896.40	2654.04	2513.64	2217.82	2099.14	1904.65
90.0	3482.00	3264.13	2953.80	2823.45	2606.15	2400.53	2204.42	2015.56	1832.80
135.0	3955.01	3700.40	3471.44	3243.00	3019.56	2784.97	2556.01	2348.18	2155.96
180.0	4214.09	4005.16	3711.54	3464.18	3272.49	3044.05	2810.62	2589.96	2385.50
225.0	3841.95	3555.54	3365.00	3124.84	2891.99	2685.26	2490.25	2309.18	2129.20
270.0	4083.16	3828.55	3591.23	3373.36	3177.77	2982.76	2781.08	2571.04	2441.79
315.0	3714.33	3480.90	3261.35	3047.42	2835.69	2628.44	2422.29	2225.60	2034.48
360.0	3344.39	3114.85	2903.13	2704.76	2584.39	2298.03	2092.99	1975.98	1724.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1621.08	1431.64	1026.02	1026.02	854.51	704.92	582.60	485.05	404.10
45.0	1713.59	1537.51	1363.10	1192.06	1019.92	854.98	713.48	594.22	498.98
90.0	1651.15	1462.87	1071.91	1071.91	883.84	732.77	629.12	502.71	435.06
135.0	1959.27	1765.36	1572.04	1424.39	1234.43	1010.99	872.27	720.16	597.00
180.0	2192.75	2012.20	1831.12	1647.83	1461.18	1272.85	1082.31	905.13	753.01
225.0	1948.12	1768.15	1594.90	1423.29	1071.80	1071.80	894.19	741.08	663.18
270.0	2163.21	2046.73	1852.88	1588.23	1475.64	1293.46	1104.02	922.42	758.06
315.0	1848.41	1661.19	1472.33	1049.57	1049.57	938.24	769.20	629.07	519.32
360.0	1621.08	1431.64	1026.02	1026.02	854.51	704.92	582.60	485.05	404.10
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	336.24	279.95	232.48	207.46	159.84	133.04	119.47	100.50	85.68
45.0	418.71	352.43	294.46	294.46	198.42	177.98	138.50	124.63	105.39
90.0	363.36	293.61	254.82	212.98	178.34	149.70	125.78	107.02	92.14
135.0	497.82	417.03	349.65	292.83	292.83	203.68	170.46	142.65	120.05
180.0	625.97	520.11	434.90	364.68	327.88	294.46	294.46	190.70	159.26
225.0	553.38	460.29	383.18	319.16	266.96	222.18	184.91	153.38	127.41
270.0	623.76	519.00	433.75	361.31	301.71	280.00	237.90	180.45	145.18
315.0	430.38	359.47	300.55	250.46	208.31	173.25	144.23	120.32	101.13
360.0	336.24	279.95	232.48	207.46	159.84	133.04	119.47	100.50	85.68

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	74.32	65.60	58.66	52.98	48.25	43.99	40.37	37.42	34.85
45.0	90.30	78.32	68.75	61.03	54.72	49.41	44.89	41.10	37.95
90.0	80.21	70.96	63.76	57.66	52.62	48.30	44.73	41.73	39.00
135.0	108.96	88.20	81.37	71.91	61.71	58.24	53.09	48.62	44.89
180.0	132.77	111.43	94.82	81.21	71.01	62.97	56.71	51.35	46.78
225.0	106.65	90.35	77.58	67.70	59.97	53.93	48.46	44.15	40.74
270.0	125.62	105.76	90.25	78.16	68.75	61.24	55.09	50.09	45.83
315.0	86.52	75.16	66.44	59.61	56.19	51.25	45.47	43.47	40.42
360.0	74.32	65.60	58.66	52.98	48.25	43.99	40.37	37.42	34.85
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.48	30.49	28.65	26.96	25.39	24.18	23.07	22.23	21.39
45.0	35.16	32.75	30.85	29.07	27.49	26.81	25.07	24.02	23.39
90.0	37.53	34.53	33.32	31.43	29.01	28.17	26.86	25.49	24.02
135.0	41.73	39.05	36.64	34.43	32.33	30.22	28.38	26.81	25.39
180.0	43.00	39.63	37.00	34.59	32.85	30.28	28.70	26.75	25.18
225.0	38.32	35.11	33.17	31.01	29.01	27.23	25.60	24.39	23.34
270.0	42.47	39.58	37.06	34.74	32.59	30.70	28.86	27.28	26.07
315.0	37.95	35.74	33.69	31.64	29.80	28.17	26.91	25.70	24.70
360.0	32.48	30.49	28.65	26.96	25.39	24.18	23.07	22.23	21.39
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.87	20.03	19.03	17.92	16.93	15.93	15.19	14.24	13.19
45.0	21.92	21.34	20.34	19.19	18.03	16.93	15.82	14.88	14.03
90.0	22.55	21.08	19.66	18.24	16.87	15.61	14.61	13.77	12.93
135.0	24.13	22.81	21.60	20.55	19.03	17.77	16.87	15.82	14.88
180.0	23.76	22.65	21.55	20.39	19.24	18.08	16.93	15.82	14.93
225.0	22.29	21.34	20.18	19.13	18.13	17.03	16.08	15.24	14.45
270.0	25.02	24.34	22.65	21.55	20.76	19.55	18.24	17.03	15.98
315.0	23.65	22.55	21.39	20.13	18.92	17.98	16.93	16.19	15.82
360.0	20.87	20.03	19.03	17.92	16.93	15.93	15.19	14.24	13.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.30	11.35	10.57	9.78	9.04	8.25	7.52	6.73	6.04
45.0	13.14	12.35	11.46	10.67	9.83	9.04	8.25	7.46	6.73
90.0	12.09	11.30	10.51	9.67	8.83	8.09	7.62	6.57	6.15
135.0	14.03	13.14	12.40	11.62	10.83	10.14	9.30	8.57	7.78
180.0	14.03	13.19	12.40	11.67	10.99	10.20	9.41	8.94	7.94
225.0	13.56	12.72	12.04	11.56	10.41	9.62	9.20	8.09	7.67
270.0	15.09	14.19	13.35	12.56	11.77	10.88	10.09	9.30	8.52
315.0	15.09	14.24	12.56	11.67	10.72	9.93	9.25	8.57	7.73
360.0	12.30	11.35	10.57	9.78	9.04	8.25	7.52	6.73	6.04
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.41	4.84	4.15	3.63	3.15	2.79	2.37	2.00	1.73
45.0	5.94	5.20	4.47	3.89	3.26	2.84	2.37	1.89	1.42
90.0	5.10	4.63	3.89	3.47	3.05	2.47	2.16	1.68	1.42
135.0	6.99	6.36	5.57	4.78	4.20	3.68	3.21	2.79	2.31
180.0	7.46	6.47	5.78	5.20	4.26	3.84	3.15	2.79	2.21
225.0	6.89	5.99	5.47	4.73	4.10	3.42	3.00	2.52	2.05
270.0	7.78	6.99	6.10	5.41	4.78	4.10	3.63	3.00	2.68
315.0	6.94	6.20	5.68	4.99	4.36	3.94	3.36	3.05	2.68
360.0	5.41	4.84	4.15	3.63	3.15	2.79	2.37	2.00	1.73

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.68
45.0	1.47
90.0	1.37
135.0	1.42
180.0	1.84
225.0	1.84
270.0	2.21
315.0	2.21
360.0	1.68