



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 1-1298-L

Luminaire: 92.70.428.00

Report No: 2024619-B013

Ballast type: AC

Test No: 2024719-C013

Voltage(V): 17.970

LampCAT: CREE CXA1512 LES8.9

Current(A): 0.401

Lamp flux(lm): 1079.0

Power (W): 7.205

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 984.31, Efficiency(%): 91.22% , Luminous Efficacy(lm/W): 136.61

Central intensity(cd): 4848.648, Maximum intensity(cd): 4848.648

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.8

[C90/270]Total=17.8

Field angle(10%Imax): [C0/180]Total=49.8

[C90/270]Total=49.8

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.22%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.734%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/19
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	4848.648	0.000	0	0.00%	0.00%
1.0	4812.949	4.623	4.623	0.43%	0.47%
2.0	4647.111	13.578	18.201	1.26%	1.85%
3.0	4420.702	21.687	39.888	2.01%	4.05%
4.0	4126.992	28.612	68.5	2.65%	6.96%
5.0	3795.755	34.083	102.583	3.16%	10.42%
6.0	3414.920	37.894	140.477	3.51%	14.27%
7.0	3050.544	40.131	180.608	3.72%	18.35%
8.0	2693.264	41.107	221.716	3.81%	22.52%
9.0	2397.286	41.256	262.972	3.82%	26.72%
10.0	2110.965	40.798	303.77	3.78%	30.86%
11.0	1872.632	39.804	343.574	3.69%	34.91%
12.0	1645.126	38.454	382.028	3.56%	38.81%
13.0	1427.525	36.465	418.493	3.38%	42.52%
14.0	1304.123	34.965	453.458	3.24%	46.07%
15.0	1200.472	34.384	487.842	3.19%	49.56%
16.0	1091.825	33.589	521.43	3.11%	52.97%
17.0	996.104	32.515	553.945	3.01%	56.28%
18.0	904.385	31.335	585.28	2.90%	59.46%
19.0	824.289	30.075	615.355	2.79%	62.52%
20.0	753.477	28.878	644.233	2.68%	65.45%
21.0	692.687	27.769	672.002	2.57%	68.27%
22.0	632.175	26.624	698.626	2.47%	70.98%
23.0	578.985	25.413	724.039	2.36%	73.56%
24.0	526.980	24.180	748.22	2.24%	76.01%
25.0	479.533	22.886	771.106	2.12%	78.34%
26.0	432.986	21.540	792.646	2.00%	80.53%
27.0	388.209	20.091	812.736	1.86%	82.57%
28.0	344.829	18.559	831.295	1.72%	84.45%
29.0	302.013	16.923	848.219	1.57%	86.17%
30.0	272.759	15.519	863.737	1.44%	87.75%
31.0	235.041	14.131	877.869	1.31%	89.19%
32.0	202.671	12.540	890.409	1.16%	90.46%
33.0	154.243	10.515	900.923	0.97%	91.53%
34.0	126.591	8.499	909.422	0.79%	92.39%
35.0	99.949	7.036	916.458	0.65%	93.11%
36.0	78.501	5.682	922.14	0.53%	93.68%
37.0	61.288	4.559	926.699	0.42%	94.15%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	48.661	3.670	930.369	0.34%	94.52%
39.0	38.449	2.973	933.342	0.28%	94.82%
40.0	31.617	2.444	935.786	0.23%	95.07%
41.0	26.869	2.083	937.868	0.19%	95.28%
42.0	23.614	1.834	939.703	0.17%	95.47%
43.0	21.288	1.663	941.366	0.15%	95.64%
44.0	19.561	1.542	942.908	0.14%	95.79%
45.0	18.149	1.449	944.357	0.13%	95.94%
46.0	16.950	1.373	945.729	0.13%	96.08%
47.0	16.013	1.311	947.04	0.12%	96.21%
48.0	15.157	1.260	948.301	0.12%	96.34%
49.0	14.462	1.216	949.517	0.11%	96.47%
50.0	13.899	1.182	950.699	0.11%	96.59%
51.0	13.431	1.156	951.856	0.11%	96.70%
52.0	13.058	1.137	952.992	0.11%	96.82%
53.0	12.780	1.124	954.116	0.10%	96.93%
54.0	12.546	1.116	955.233	0.10%	97.05%
55.0	12.399	1.114	956.346	0.10%	97.16%
56.0	12.326	1.117	957.463	0.10%	97.27%
57.0	12.268	1.124	958.588	0.10%	97.39%
58.0	12.217	1.132	959.72	0.10%	97.50%
59.0	12.180	1.141	960.861	0.11%	97.62%
60.0	12.048	1.145	962.005	0.11%	97.73%
61.0	11.887	1.142	963.148	0.11%	97.85%
62.0	11.573	1.130	964.278	0.10%	97.96%
63.0	11.149	1.105	965.383	0.10%	98.08%
64.0	10.739	1.074	966.457	0.10%	98.19%
65.0	10.183	1.035	967.492	0.10%	98.29%
66.0	9.620	0.988	968.48	0.09%	98.39%
67.0	9.159	0.944	969.425	0.09%	98.49%
68.0	8.691	0.904	970.329	0.08%	98.58%
69.0	8.281	0.866	971.195	0.08%	98.67%
70.0	7.944	0.833	972.028	0.08%	98.75%
71.0	7.608	0.804	972.832	0.07%	98.83%
72.0	7.249	0.773	973.604	0.07%	98.91%
73.0	6.906	0.740	974.345	0.07%	98.99%
74.0	6.664	0.713	975.058	0.07%	99.06%
75.0	6.467	0.694	975.752	0.06%	99.13%

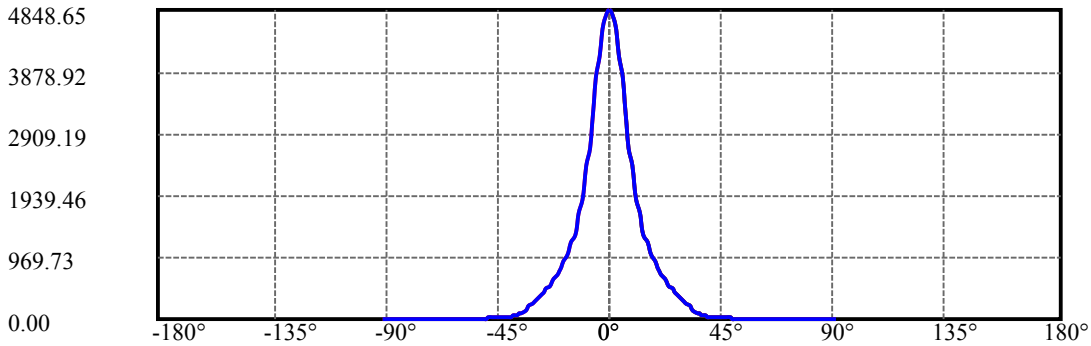
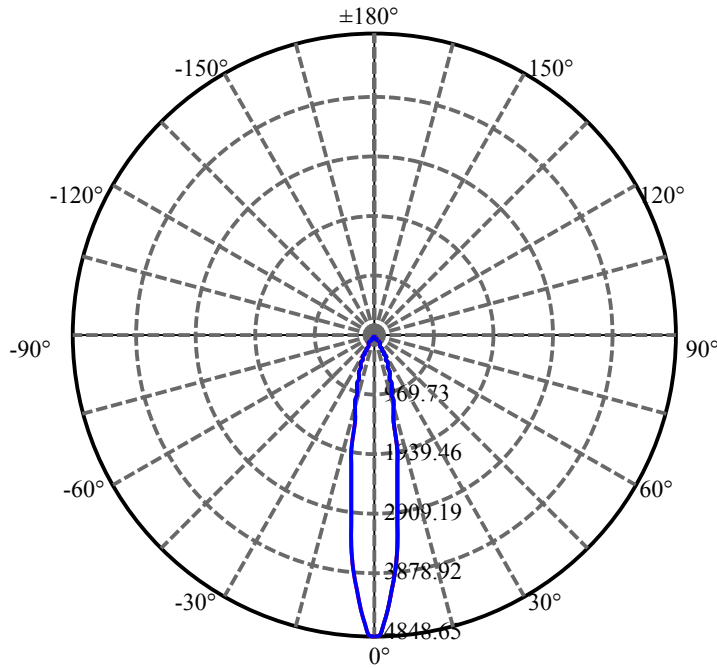
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.262	0.676	976.427	0.06%	99.20%
77.0	6.086	0.658	977.086	0.06%	99.27%
78.0	5.925	0.643	977.729	0.06%	99.33%
79.0	5.757	0.628	978.356	0.06%	99.40%
80.0	5.604	0.612	978.969	0.06%	99.46%
81.0	5.457	0.598	979.567	0.06%	99.52%
82.0	5.326	0.585	980.152	0.05%	99.58%
83.0	5.179	0.571	980.723	0.05%	99.64%
84.0	5.048	0.557	981.28	0.05%	99.69%
85.0	4.909	0.543	981.823	0.05%	99.75%
86.0	4.733	0.527	982.35	0.05%	99.80%
87.0	4.572	0.509	982.86	0.05%	99.85%
88.0	4.426	0.493	983.353	0.05%	99.90%
89.0	4.367	0.482	983.835	0.04%	99.95%
90.0	4.309	0.476	984.31	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	863.74	80.05%	87.75%
0-40	935.79	86.73%	95.07%
0-60	962.01	89.16%	97.73%
0-90	983.83	91.18%	99.95%
0-120	983.83	91.18%	99.95%
0-180	984.31	91.22%	100.00%
60-90	21.83	2.02%	2.22%
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%
0-25.76	787.45	72.98%	80.00%

ZONAL LUMEN SUMMARY

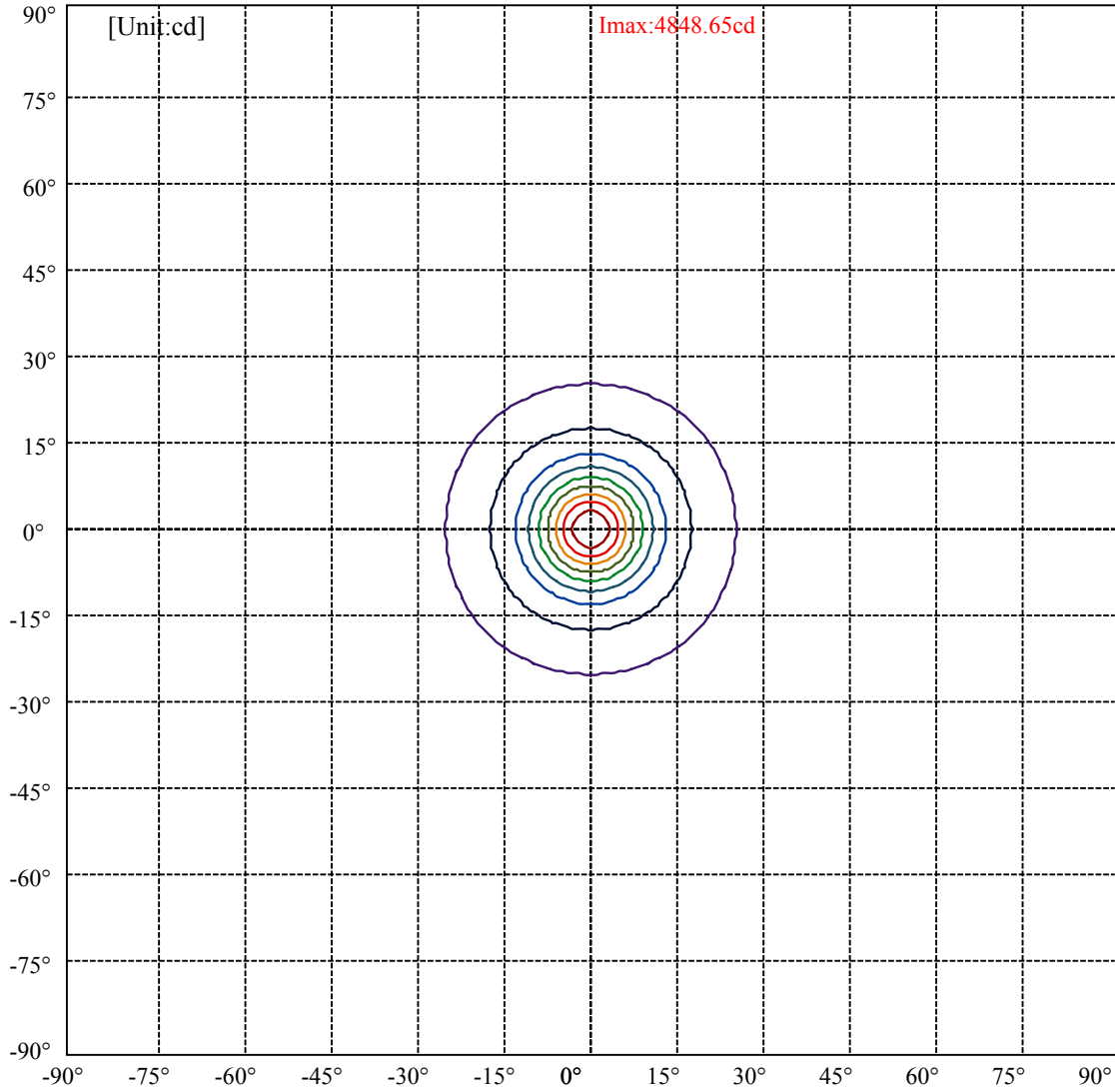
0-10	303.77
10-20	340.46
20-30	219.50
30-40	72.05
40-50	14.91
50-60	11.31
60-70	10.02
70-80	6.94
80-90	4.87
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



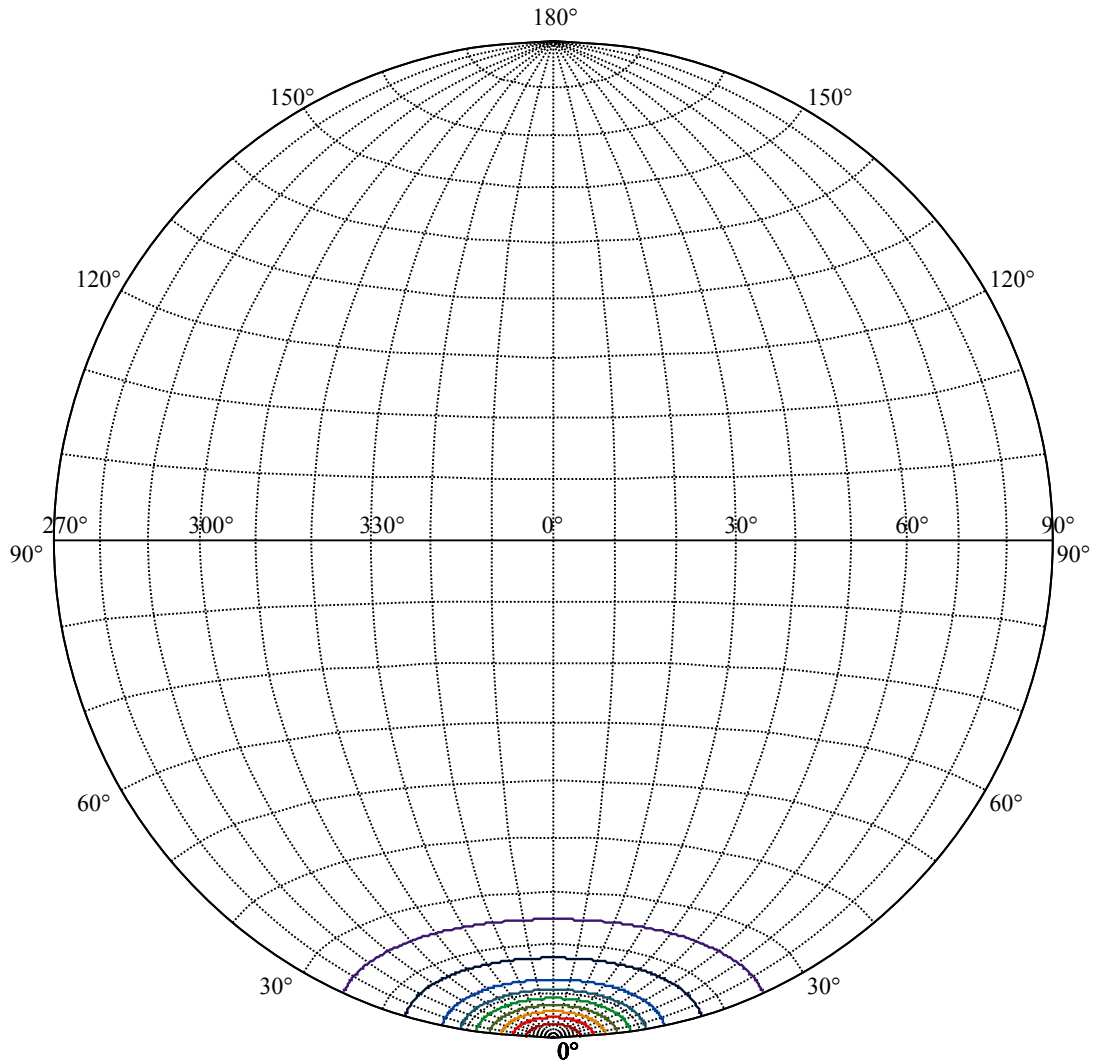
C0(Max): —————
C0/C180: —————
C90/C270: —————

Field angle(10%Imax):C0/180Left:24.9 Right:24.9
:C90/270Left:24.9 Right:24.9

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9



(10%Imax) 484.865	—
(20%Imax) 969.73	—
(30%Imax) 1454.59	—
(40%Imax) 1939.46	—
(50%Imax) 2424.32	—
(60%Imax) 2909.19	—
(70%Imax) 3394.05	—
(80%Imax) 3878.92	—
(90%Imax) 4363.78	—



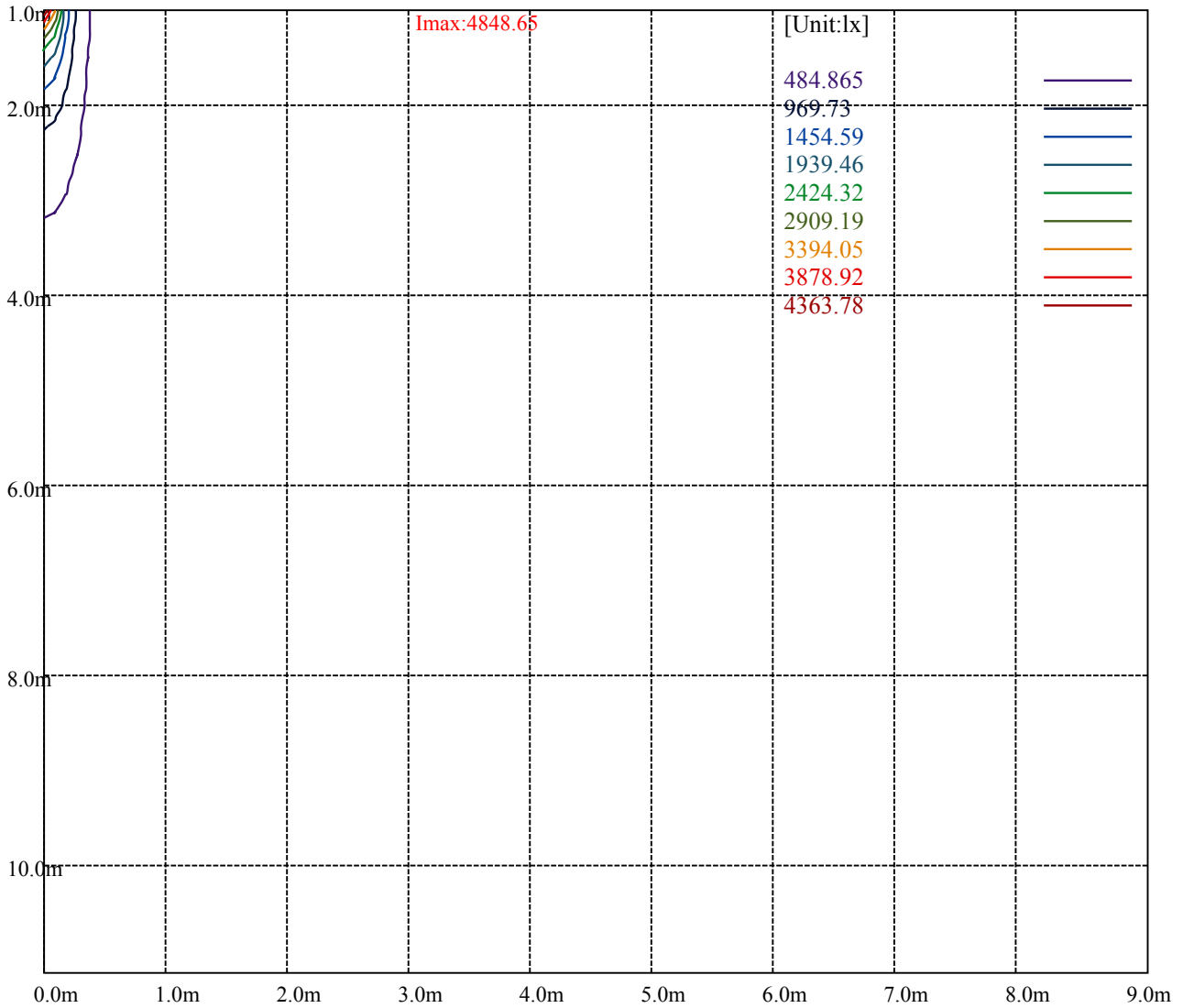
House

[Unit:cd]

Road

Imax:4848.65

(10%Imax)	484.865	—
(20%Imax)	969.73	—
(30%Imax)	1454.59	—
(40%Imax)	1939.46	—
(50%Imax)	2424.32	—
(60%Imax)	2909.19	—
(70%Imax)	3394.05	—
(80%Imax)	3878.92	—
(90%Imax)	4363.78	—



Luminance Table

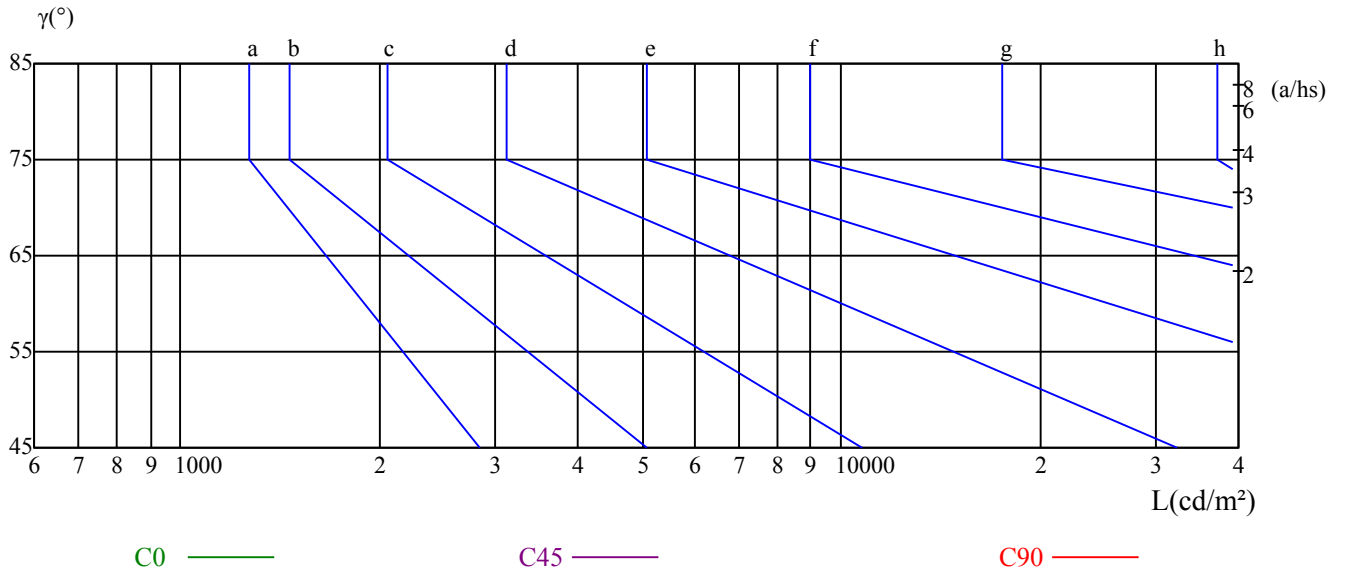
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

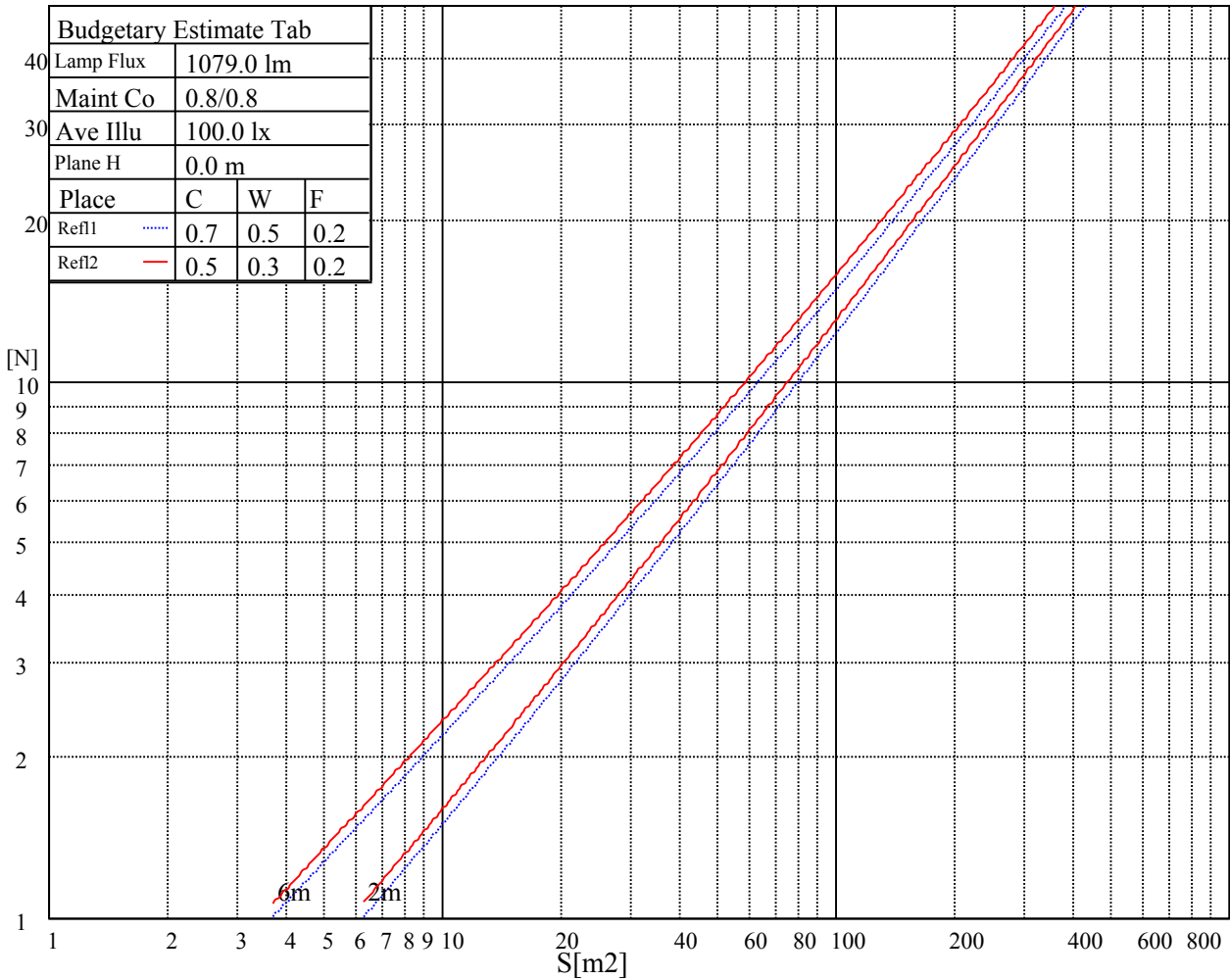
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

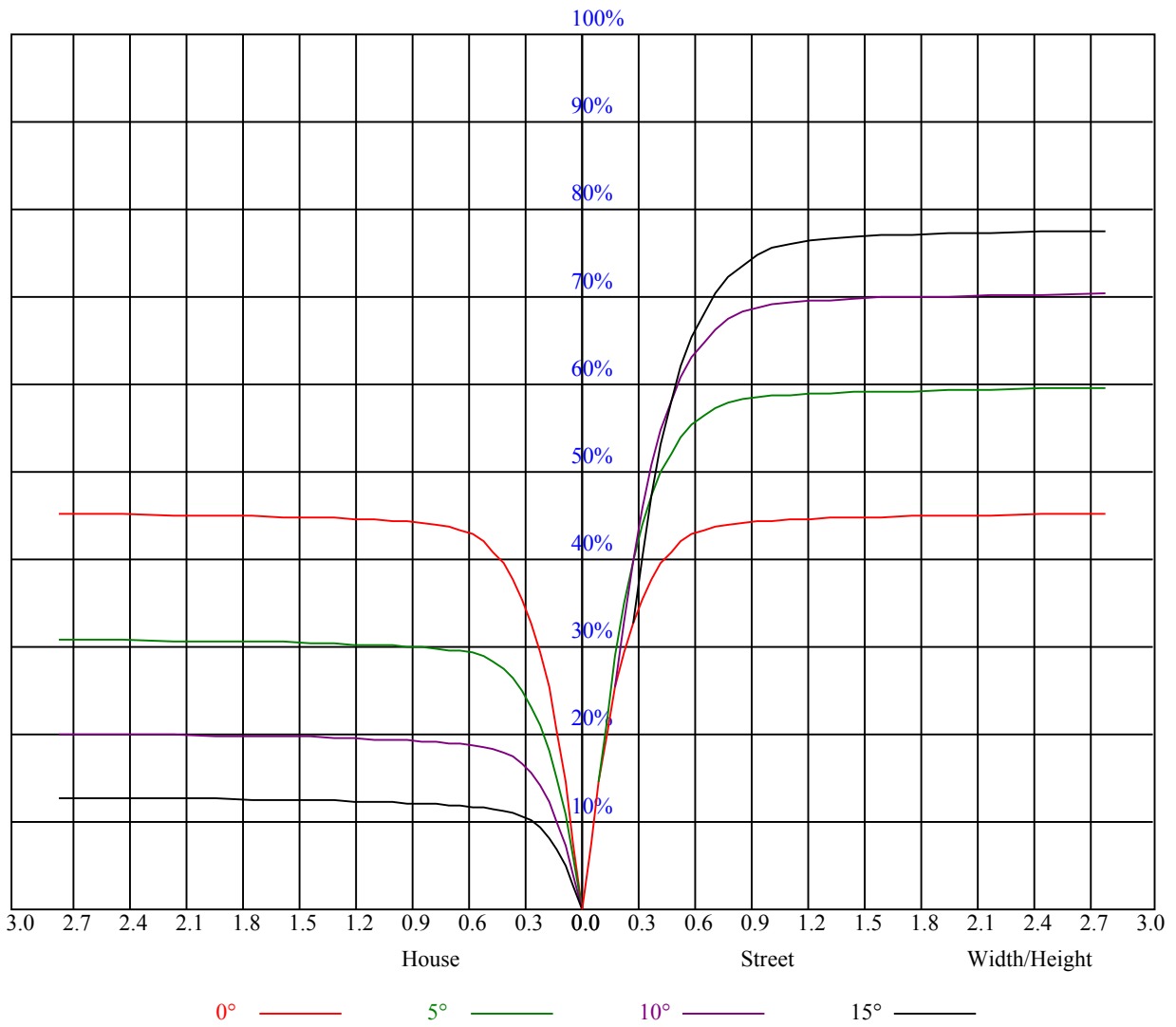


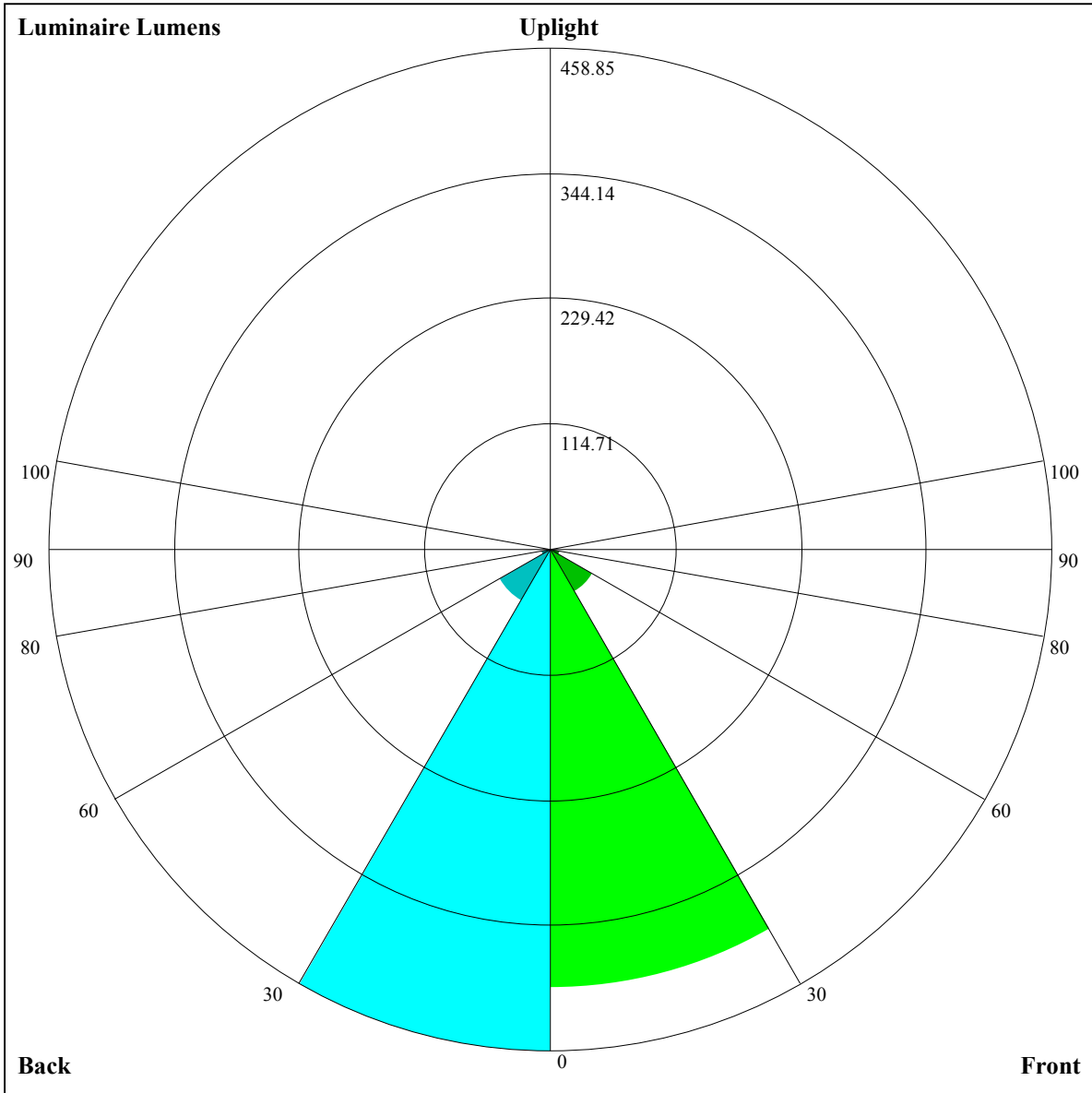
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	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	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.91	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61





Luminaire Lumens:

FL=401.9,FM=44.35,FH=8.28,FVH=2.64

BL=458.85,BM=53.96,BH=8.62,BVH=2.69

UL=0,UH=0

BUG Rating:B1-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	4786.61	4589.98	4245.87	3925.75	3581.64	3142.13	2819.67	2512.43	2177.10
45.0	4927.65	4833.43	4662.55	4346.52	4032.26	3685.22	3327.65	2913.89	2607.82
90.0	4862.11	4756.77	4500.44	4231.82	3922.24	3574.03	3136.86	2799.19	2491.95
135.0	4818.22	4920.05	4906.58	4805.93	4543.16	4265.76	3940.96	3589.83	3136.28
180.0	4786.61	4940.53	4946.38	4864.45	4692.39	4450.11	4074.39	3723.85	3359.84
225.0	4927.65	4924.14	4786.03	4581.20	4229.48	3898.83	3547.69	3094.14	2739.50
270.0	4862.11	4893.12	4818.22	4601.10	4351.21	4041.04	3610.90	3241.03	2795.68
315.0	4818.22	4645.57	4310.83	4008.85	3663.57	3308.92	2861.22	2529.99	2237.96
360.0	4786.61	4589.98	4245.87	3925.75	3581.64	3142.13	2819.67	2512.43	2177.10
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1953.54	1761.00	1590.70	1412.79	1143.47	1143.47	1070.32	955.85	878.48
45.0	2325.16	2079.95	1820.11	1639.27	1451.42	1319.74	1203.28	1071.61	978.55
90.0	2210.45	1911.40	1709.50	1499.99	1154.01	1154.01	1100.93	1003.43	919.39
135.0	2795.68	2487.85	2211.04	1911.40	1715.35	1552.08	1369.49	1248.34	1138.91
180.0	3006.36	2585.58	2290.63	2029.03	1761.59	1589.53	1407.52	1277.02	1165.83
225.0	2421.72	2143.74	1862.83	1673.22	1515.79	1167.11	1167.11	1116.90	1019.99
270.0	2476.15	2191.73	1941.84	1684.34	1514.62	1368.90	1246.00	1110.23	1016.01
315.0	1989.24	1726.47	1554.42	1310.96	1163.95	1138.15	1039.13	951.22	851.68
360.0	1953.54	1761.00	1590.70	1412.79	1143.47	1143.47	1070.32	955.85	878.48
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	808.49	728.72	670.32	616.12	553.51	505.87	461.22	408.02	367.70
45.0	898.38	828.15	747.98	688.87	635.03	584.11	523.25	477.02	433.13
90.0	827.51	759.04	701.51	646.85	581.25	532.67	485.68	442.96	391.34
135.0	1017.18	930.57	839.27	774.31	715.20	660.78	596.40	549.58	501.01
180.0	1038.25	949.88	875.56	808.84	726.91	668.97	619.23	568.31	509.79
225.0	934.60	841.03	773.37	700.81	645.56	594.71	538.17	492.29	449.75
270.0	928.23	850.39	771.39	709.35	650.83	592.31	543.73	491.65	444.24
315.0	782.45	706.54	648.43	596.34	549.12	492.47	448.17	406.44	366.94
360.0	808.49	728.72	670.32	616.12	553.51	505.87	461.22	408.02	367.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	327.43	287.81	242.46	208.57	177.97	148.88	116.28	93.58	70.29
45.0	381.04	340.07	300.86	300.86	215.07	183.00	147.18	120.85	97.44
90.0	351.78	302.09	265.81	230.46	188.85	158.71	131.03	106.34	79.59
135.0	456.53	402.11	361.73	323.10	295.01	295.01	200.56	161.70	133.31
180.0	467.07	424.35	372.26	330.13	300.28	300.28	204.13	172.41	136.06
225.0	398.19	357.92	317.95	278.86	232.33	197.51	166.38	137.70	105.16
270.0	405.03	365.24	313.15	303.21	303.21	198.51	160.29	133.08	108.38
315.0	318.60	279.04	241.87	206.88	167.61	139.46	108.09	87.08	69.35
360.0	327.43	287.81	242.46	208.57	177.97	148.88	116.28	93.58	70.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	55.83	44.83	34.82	29.50	25.87	22.88	21.07	19.66	18.49
45.0	72.92	57.76	46.12	37.28	29.73	25.69	22.94	21.07	19.14
90.0	62.79	50.21	40.85	32.66	28.27	24.93	21.95	20.25	18.84
135.0	108.09	80.59	62.97	49.63	39.74	31.43	26.92	23.82	21.59
180.0	110.08	87.61	68.82	50.91	40.50	32.95	27.80	23.47	21.13
225.0	83.57	61.68	48.75	39.09	30.49	26.04	22.88	20.66	18.73
270.0	81.81	64.55	51.15	39.09	32.36	27.56	23.70	21.54	19.90
315.0	52.90	43.07	35.82	29.44	25.98	23.47	21.65	19.84	18.67
360.0	55.83	44.83	34.82	29.50	25.87	22.88	21.07	19.66	18.49

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	17.32	16.50	15.80	15.22	14.63	14.16	13.75	13.46	13.28
45.0	17.79	16.56	15.57	14.81	13.99	13.46	13.05	12.64	12.35
90.0	17.38	16.39	15.45	14.57	13.99	13.46	13.05	12.64	12.35
135.0	20.01	18.38	17.32	16.39	15.80	15.04	14.63	14.28	14.05
180.0	19.49	17.79	16.80	15.74	15.04	14.46	13.81	13.52	13.28
225.0	17.50	16.33	15.45	14.46	13.75	13.17	12.58	12.23	11.88
270.0	18.02	16.91	15.86	14.92	14.05	13.40	12.87	12.47	12.00
315.0	17.67	16.74	15.86	15.16	14.46	14.05	13.69	13.23	13.05
360.0	17.32	16.50	15.80	15.22	14.63	14.16	13.75	13.46	13.28
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.05	12.93	12.87	12.82	12.64	12.41	12.11	11.82	11.18
45.0	12.17	12.11	12.06	12.00	12.00	12.00	11.82	11.59	11.35
90.0	12.17	12.11	12.00	12.00	12.00	12.11	11.94	11.70	11.41
135.0	13.64	13.46	13.34	13.23	13.11	13.05	13.05	12.99	12.76
180.0	13.05	12.93	12.87	12.82	12.76	12.70	12.64	12.64	12.41
225.0	11.59	11.47	11.47	11.41	11.41	11.41	11.47	11.35	11.12
270.0	11.76	11.47	11.41	11.29	11.35	11.47	11.41	11.41	11.24
315.0	12.93	12.70	12.58	12.58	12.47	12.29	11.94	11.59	11.12
360.0	13.05	12.93	12.87	12.82	12.64	12.41	12.11	11.82	11.18
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.71	10.30	9.77	9.19	8.84	8.37	8.02	7.72	7.37
45.0	10.83	10.36	9.95	9.42	8.90	8.66	8.37	8.19	7.96
90.0	10.94	10.36	9.89	9.48	9.07	8.90	8.66	8.37	7.84
135.0	12.47	12.17	11.53	10.94	10.42	9.71	9.07	8.54	8.19
180.0	12.06	11.76	11.06	10.48	9.95	9.31	8.78	8.37	8.02
225.0	10.89	10.53	9.77	9.36	8.84	8.19	7.84	7.49	7.20
270.0	10.89	10.53	10.07	9.42	8.95	8.43	8.02	7.67	7.37
315.0	10.42	9.89	9.42	8.66	8.31	7.96	7.49	7.20	6.91
360.0	10.71	10.30	9.77	9.19	8.84	8.37	8.02	7.72	7.37
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.14	6.96	6.73	6.55	6.38	6.20	6.09	5.91	5.74
45.0	7.61	6.96	6.67	6.50	6.26	6.09	5.91	5.74	5.56
90.0	7.08	6.79	6.55	6.38	6.20	5.97	5.79	5.62	5.50
135.0	7.78	7.37	7.02	6.79	6.55	6.44	6.20	6.03	5.85
180.0	7.61	7.32	7.08	6.85	6.55	6.38	6.20	6.03	5.91
225.0	6.96	6.67	6.44	6.26	6.09	5.91	5.74	5.62	5.44
270.0	7.08	6.73	6.50	6.32	6.14	5.97	5.85	5.68	5.50
315.0	6.73	6.44	6.32	6.09	5.91	5.74	5.62	5.44	5.33
360.0	7.14	6.96	6.73	6.55	6.38	6.20	6.09	5.91	5.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.62	5.50	5.33	5.21	5.09	4.86	4.74	4.45	4.51
45.0	5.44	5.27	5.15	5.03	4.92	4.80	4.51	4.39	4.27
90.0	5.38	5.21	5.09	4.97	4.86	4.56	4.45	4.33	4.27
135.0	5.68	5.56	5.38	5.27	5.09	4.97	4.74	4.56	4.45
180.0	5.68	5.56	5.44	5.27	5.15	4.97	4.80	4.68	4.56
225.0	5.33	5.21	5.03	4.92	4.74	4.62	4.51	4.39	4.33
270.0	5.33	5.21	5.09	4.92	4.80	4.62	4.45	4.33	4.27
315.0	5.21	5.09	4.92	4.80	4.62	4.45	4.39	4.27	4.27
360.0	5.62	5.50	5.33	5.21	5.09	4.86	4.74	4.45	4.51

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	4.45
45.0	4.27
90.0	4.21
135.0	4.33
180.0	4.51
225.0	4.27
270.0	4.21
315.0	4.21
360.0	4.45