



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: NT

LumCAT: 61-0228

Luminaire: 92.70.427.00

Report No: 20241928-B002

Ballast type: AC

Test No: 2024928-C002

Voltage(V): 36.500

LampCAT: CITIZEN CLU7A2 LES4.5

Current(A): 0.180

Lamp flux(lm): 612.5

Power (W): 6.570

Number of Lamps: 1

PF: 0.000

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 17

Photometric Results

Lumens(lm): 589.88, Efficiency(%): 96.31% , Luminous Efficacy(lm/W): 89.78

Central intensity(cd): 1508.769, Maximum intensity(cd): 1508.769

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=55.8

[C90/270]Total=55.8

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

Maximum s/h(1/4): C0_180=0.57 C90_270=0.57

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.31%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.872%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/28
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	1508.769	0.000	0	0.00%	0.00%
1.0	1507.232	1.443	1.443	0.24%	0.24%
2.0	1498.454	4.314	5.757	0.70%	0.98%
3.0	1486.164	7.138	12.895	1.17%	2.19%
4.0	1465.755	9.881	22.776	1.61%	3.86%
5.0	1442.199	12.510	35.286	2.04%	5.98%
6.0	1410.817	14.993	50.28	2.45%	8.52%
7.0	1374.825	17.290	67.57	2.82%	11.45%
8.0	1331.445	19.368	86.938	3.16%	14.74%
9.0	1280.962	21.172	108.11	3.46%	18.33%
10.0	1220.479	22.637	130.748	3.70%	22.17%
11.0	1175.841	23.944	154.692	3.91%	26.22%
12.0	1126.778	25.171	179.863	4.11%	30.49%
13.0	1068.599	26.054	205.916	4.25%	34.91%
14.0	1005.373	26.547	232.463	4.33%	39.41%
15.0	941.005	26.721	259.184	4.36%	43.94%
16.0	877.260	26.643	285.826	4.35%	48.46%
17.0	806.901	26.227	312.053	4.28%	52.90%
18.0	738.078	25.473	337.527	4.16%	57.22%
19.0	672.548	24.542	362.069	4.01%	61.38%
20.0	603.806	23.361	385.429	3.81%	65.34%
21.0	533.733	21.843	407.272	3.57%	69.04%
22.0	467.836	20.127	427.399	3.29%	72.46%
23.0	403.242	18.278	445.677	2.98%	75.55%
24.0	342.291	16.300	461.977	2.66%	78.32%
25.0	285.999	14.286	476.263	2.33%	80.74%
26.0	253.746	12.741	489.004	2.08%	82.90%
27.0	215.502	11.480	500.484	1.87%	84.85%
28.0	146.877	9.175	509.659	1.50%	86.40%
29.0	113.424	6.810	516.469	1.11%	87.55%
30.0	86.760	5.405	521.874	0.88%	88.47%
31.0	66.855	4.275	526.149	0.70%	89.20%
32.0	51.185	3.382	529.53	0.55%	89.77%
33.0	39.773	2.680	532.21	0.44%	90.22%
34.0	31.814	2.166	534.376	0.35%	90.59%
35.0	26.884	1.823	536.199	0.30%	90.90%
36.0	23.314	1.598	537.798	0.26%	91.17%
37.0	21.017	1.446	539.244	0.24%	91.42%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	19.481	1.352	540.595	0.22%	91.65%
39.0	18.310	1.290	541.885	0.21%	91.86%
40.0	17.374	1.245	543.13	0.20%	92.07%
41.0	16.613	1.210	544.34	0.20%	92.28%
42.0	16.057	1.187	545.527	0.19%	92.48%
43.0	15.530	1.170	546.697	0.19%	92.68%
44.0	15.077	1.155	547.852	0.19%	92.88%
45.0	14.711	1.145	548.997	0.19%	93.07%
46.0	14.433	1.140	550.137	0.19%	93.26%
47.0	14.228	1.140	551.277	0.19%	93.46%
48.0	14.060	1.144	552.42	0.19%	93.65%
49.0	13.855	1.146	553.567	0.19%	93.84%
50.0	13.563	1.143	554.71	0.19%	94.04%
51.0	13.285	1.136	555.846	0.19%	94.23%
52.0	12.955	1.126	556.972	0.18%	94.42%
53.0	12.619	1.112	558.084	0.18%	94.61%
54.0	12.348	1.100	559.185	0.18%	94.80%
55.0	12.056	1.089	560.274	0.18%	94.98%
56.0	11.770	1.077	561.351	0.18%	95.16%
57.0	11.500	1.064	562.414	0.17%	95.34%
58.0	11.236	1.051	563.466	0.17%	95.52%
59.0	10.995	1.039	564.505	0.17%	95.70%
60.0	10.673	1.024	565.529	0.17%	95.87%
61.0	10.380	1.005	566.534	0.16%	96.04%
62.0	10.022	0.983	567.517	0.16%	96.21%
63.0	9.707	0.960	568.476	0.16%	96.37%
64.0	9.349	0.935	569.411	0.15%	96.53%
65.0	8.983	0.907	570.319	0.15%	96.68%
66.0	8.632	0.879	571.197	0.14%	96.83%
67.0	8.259	0.849	572.047	0.14%	96.98%
68.0	7.915	0.819	572.866	0.13%	97.12%
69.0	7.630	0.793	573.659	0.13%	97.25%
70.0	7.367	0.770	574.429	0.13%	97.38%
71.0	7.147	0.750	575.179	0.12%	97.51%
72.0	6.913	0.731	575.911	0.12%	97.63%
73.0	6.679	0.711	576.621	0.12%	97.75%
74.0	6.489	0.692	577.314	0.11%	97.87%
75.0	6.328	0.677	577.991	0.11%	97.98%

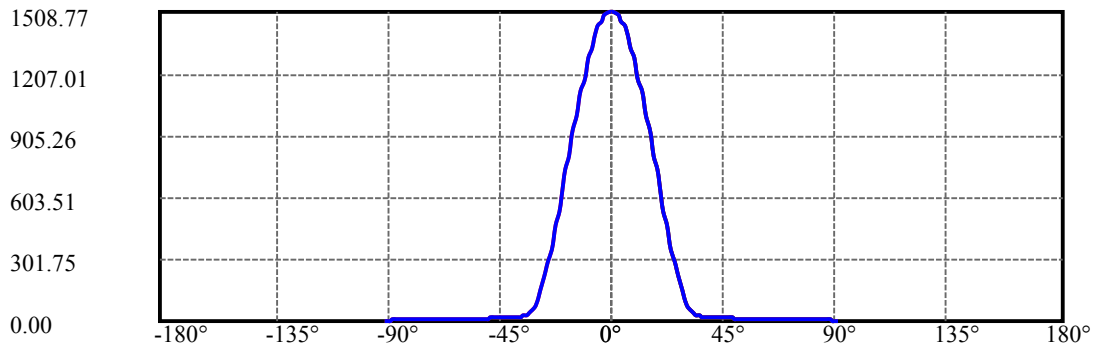
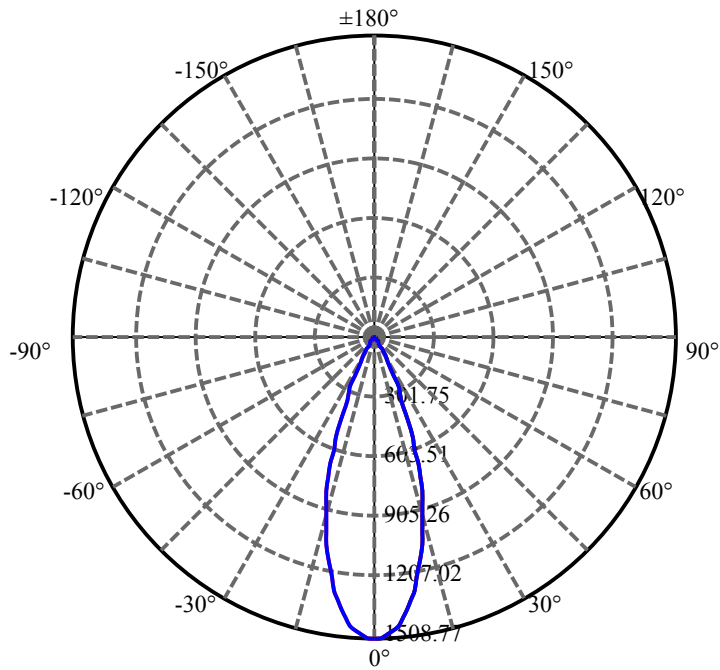
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.489	0.680	578.671	0.11%	98.10%
77.0	7.089	0.724	579.395	0.12%	98.22%
78.0	8.361	0.827	580.222	0.14%	98.36%
79.0	9.883	0.980	581.202	0.16%	98.53%
80.0	10.966	1.124	582.326	0.18%	98.72%
81.0	11.024	1.189	583.515	0.19%	98.92%
82.0	10.219	1.152	584.667	0.19%	99.12%
83.0	9.034	1.047	585.714	0.17%	99.29%
84.0	7.271	0.888	586.602	0.15%	99.44%
85.0	6.196	0.735	587.337	0.12%	99.57%
86.0	5.633	0.647	587.984	0.11%	99.68%
87.0	4.689	0.565	588.549	0.09%	99.77%
88.0	4.023	0.477	589.026	0.08%	99.86%
89.0	3.877	0.433	589.459	0.07%	99.93%
90.0	3.789	0.420	589.88	0.07%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	521.87	85.21%	88.47%
0-40	543.13	88.68%	92.07%
0-60	565.53	92.34%	95.87%
0-90	589.46	96.25%	99.93%
0-120	589.46	96.25%	99.93%
0-180	589.88	96.31%	100.00%
60-90	23.93	3.91%	4.06%
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%
0-24.69	471.90	77.05%	80.00%

ZONAL LUMEN SUMMARY

0-10	130.75
10-20	254.68
20-30	136.44
30-40	21.26
40-50	11.58
50-60	10.82
60-70	8.90
70-80	7.90
80-90	7.13
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: —————

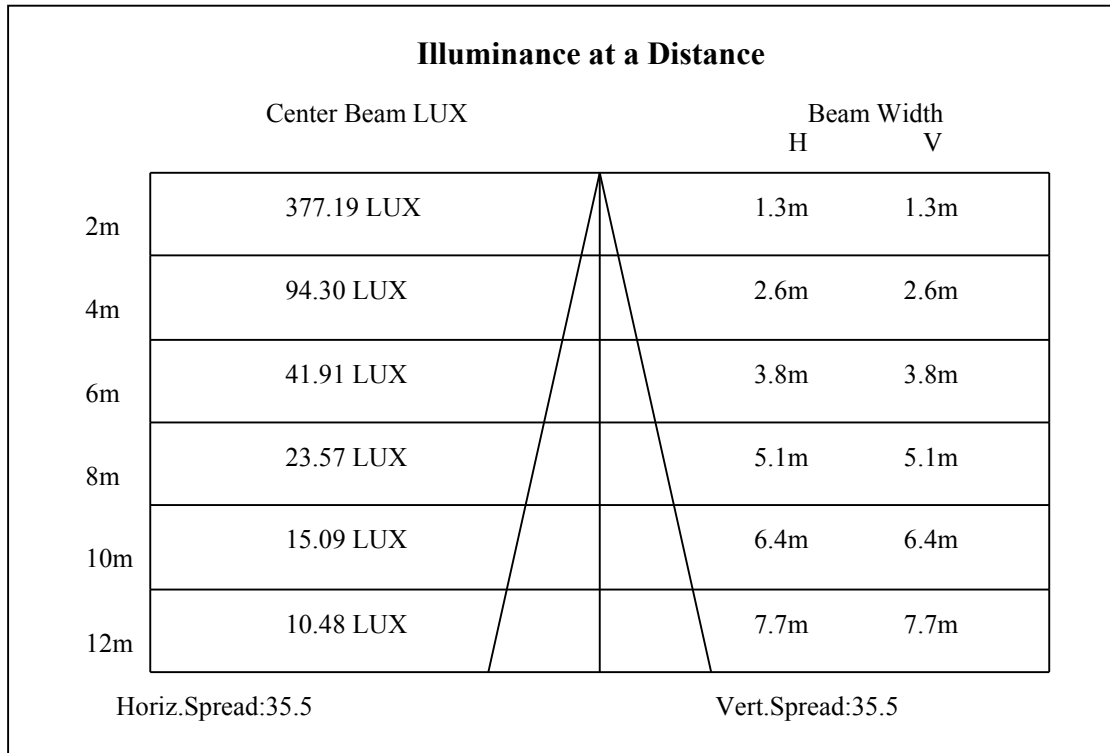
C90/C270: —————

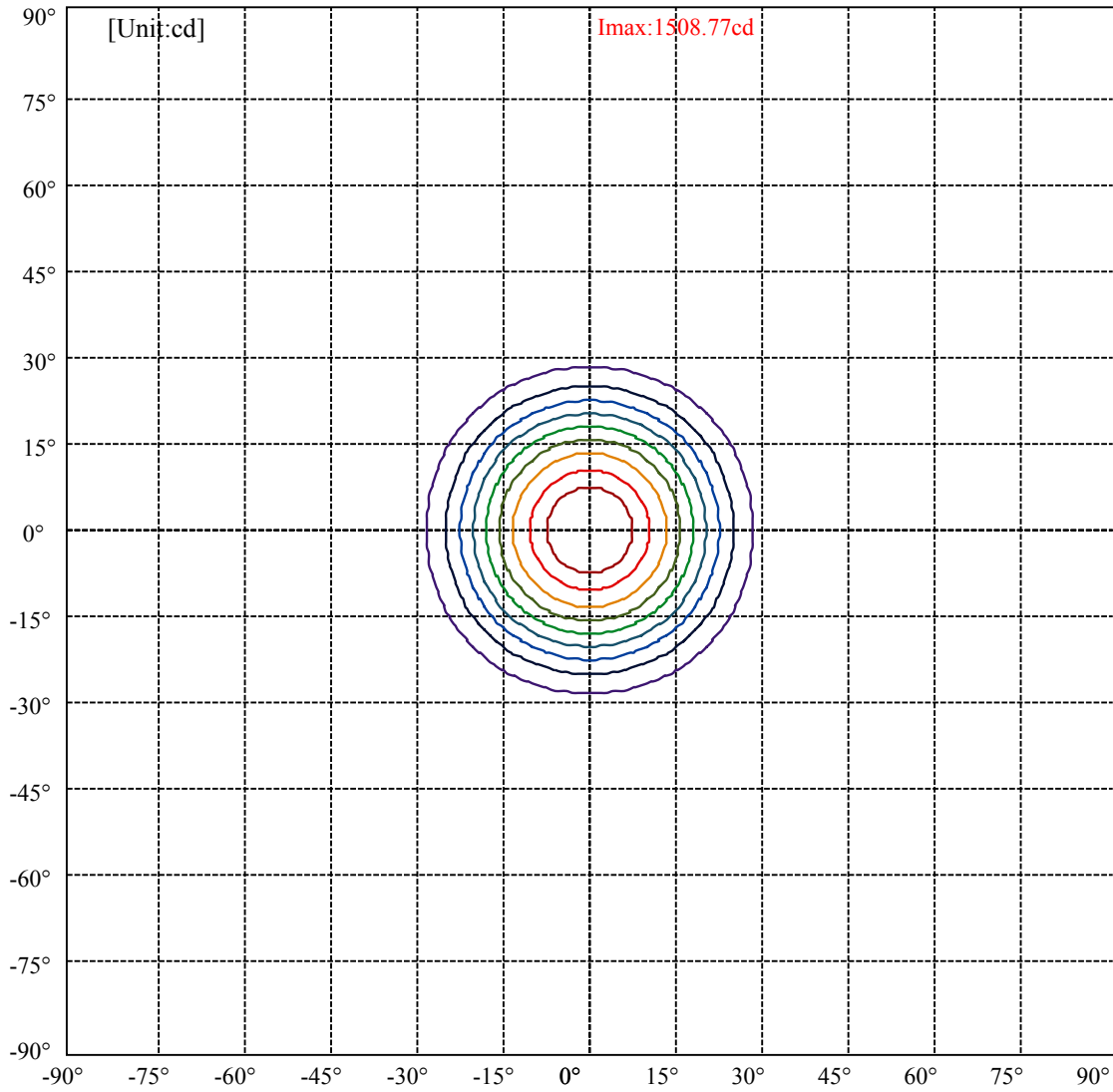
Field angle(10%Imax):C0/180Left:27.9 Right:27.9

:C90/270Left:27.9 Right:27.9

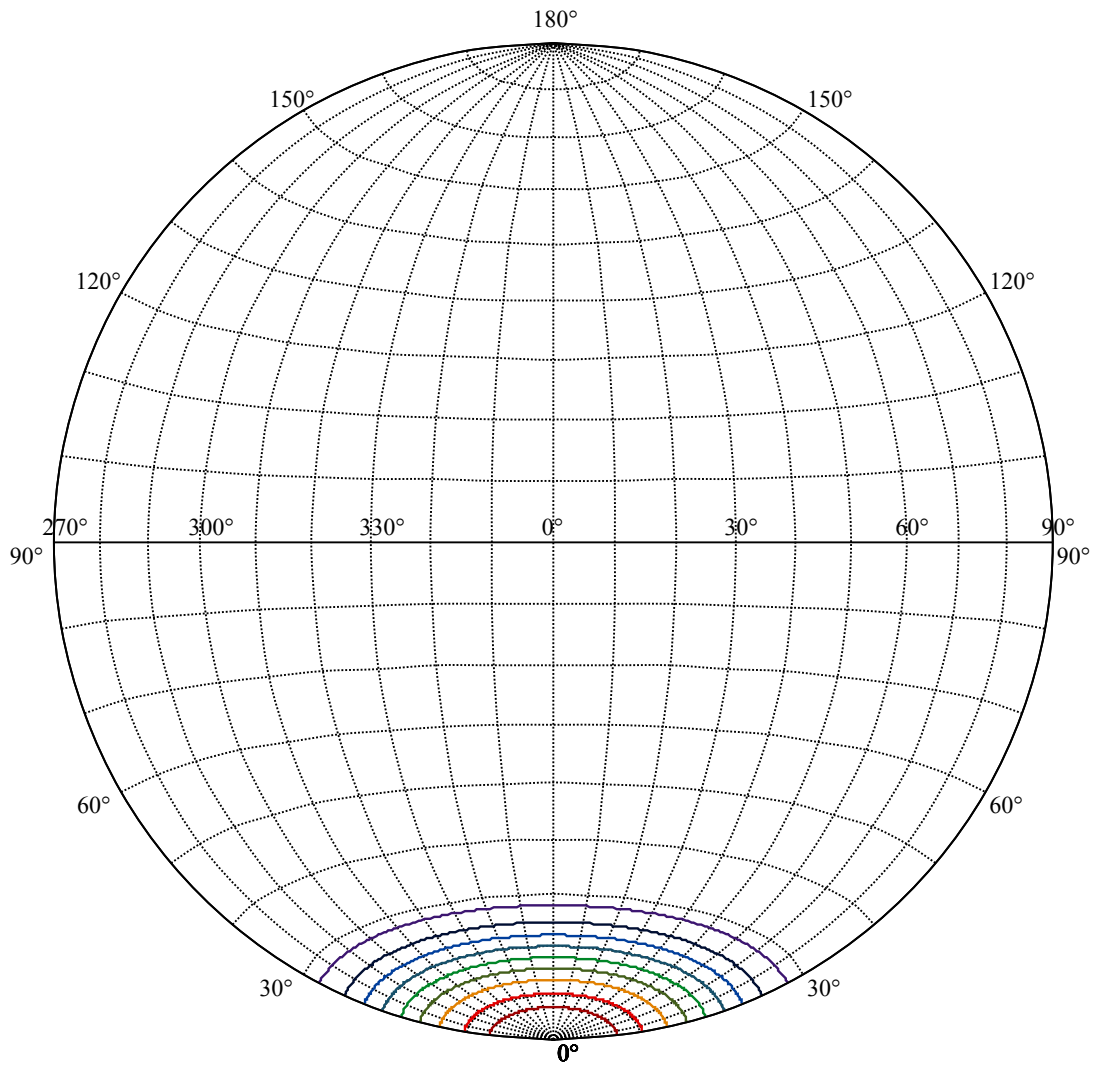
Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8

:C90/270Left:17.8 Right:17.8





(10%Imax) 150.877	—
(20%Imax) 301.754	—
(30%Imax) 452.631	—
(40%Imax) 603.507	—
(50%Imax) 754.384	—
(60%Imax) 905.261	—
(70%Imax) 1056.14	—
(80%Imax) 1207.01	—
(90%Imax) 1357.89	—



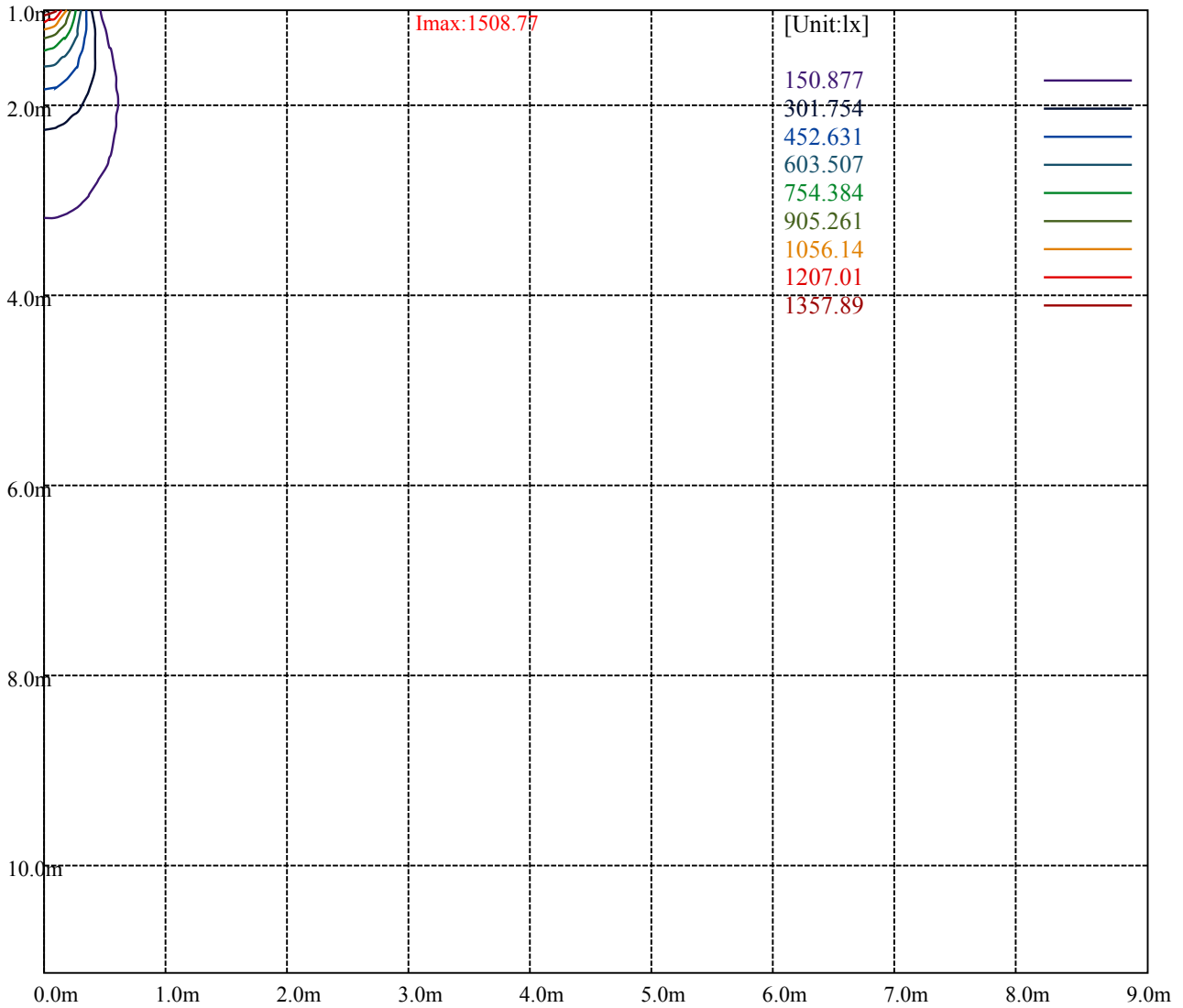
House

[Unit:cd]

Road

Imax:1508.77

(10%Imax)	150.877	—
(20%Imax)	301.754	—
(30%Imax)	452.631	—
(40%Imax)	603.507	—
(50%Imax)	754.384	—
(60%Imax)	905.261	—
(70%Imax)	1056.14	—
(80%Imax)	1207.01	—
(90%Imax)	1357.89	—



Luminance Table

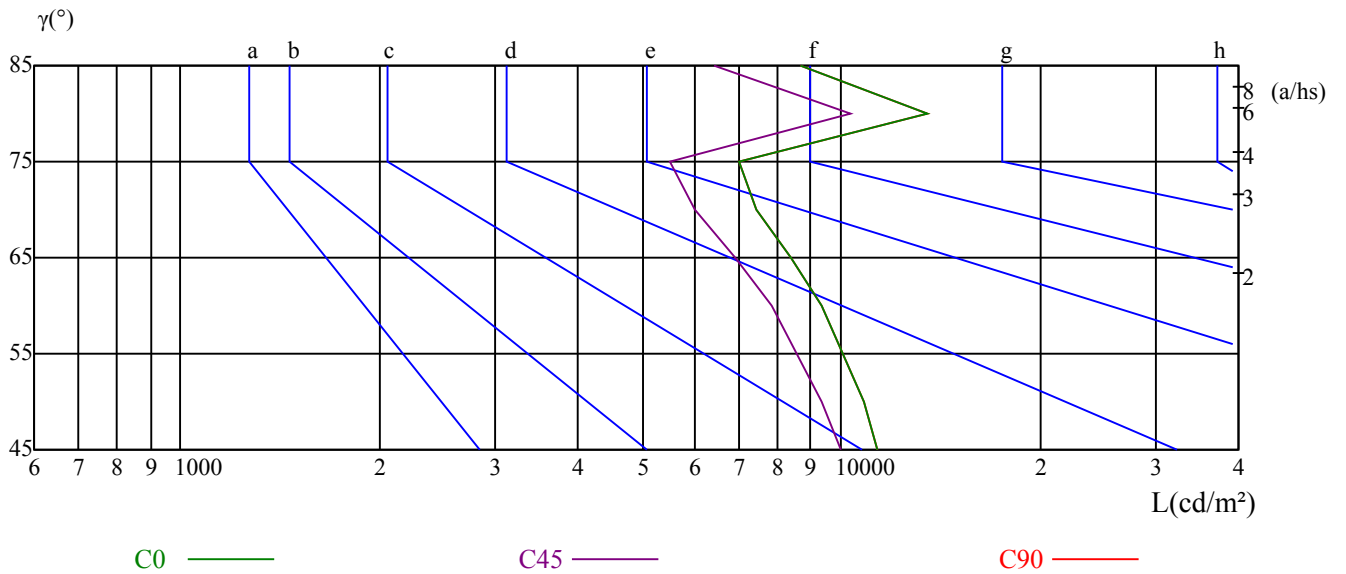
γ	45	50	55	60	65	70	75	80	85
C0	11344	10816	10034	9363	8398	7432	6990	13497	8685
C45	9972	9372	8561	7857	6919	5997	5507	10336	6422
C90	11344	10816	10034	9363	8398	7432	6990	13497	8685

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
17352	17352	17352	19958	19958	19958	58034	58034	58034

Glare Table

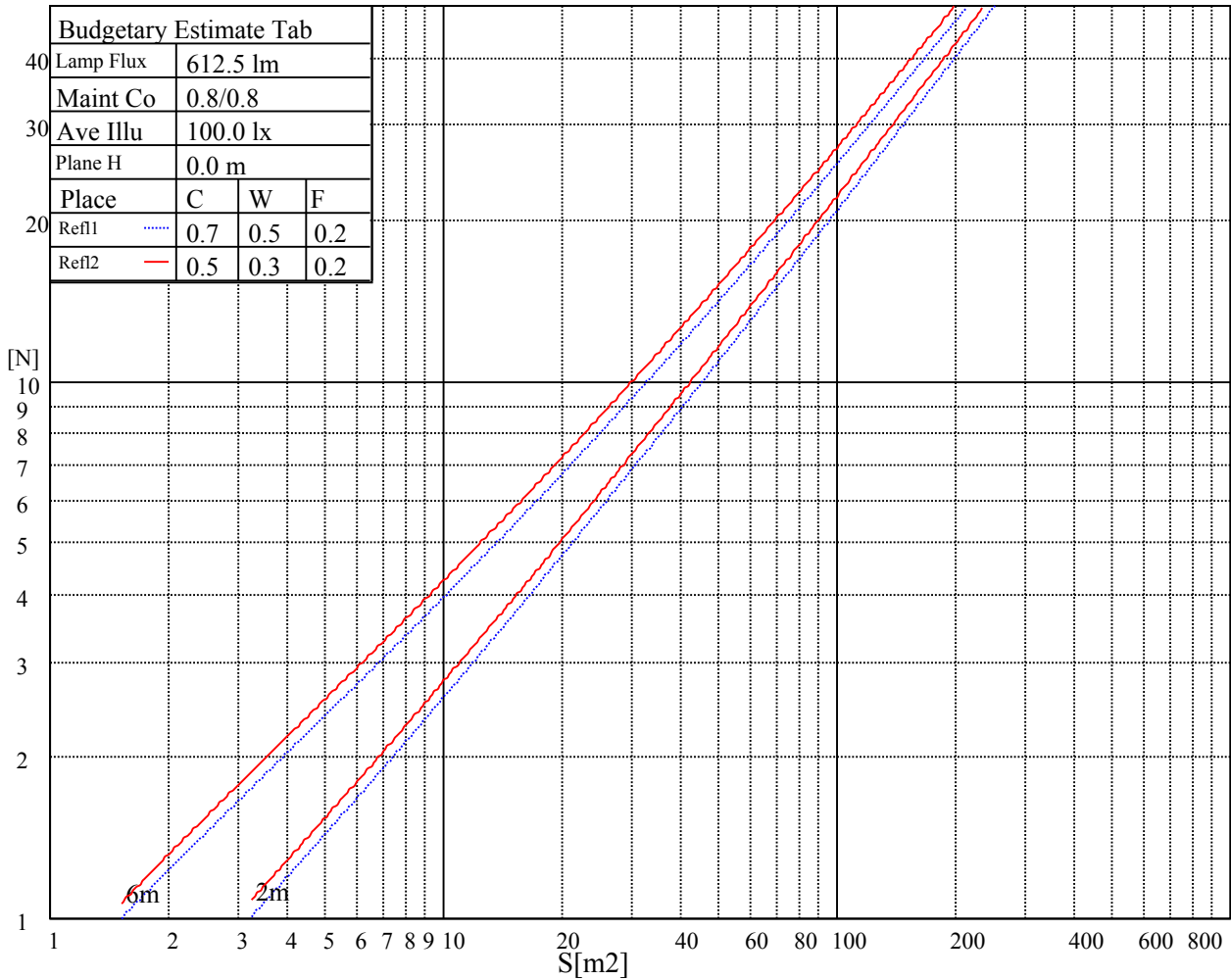
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

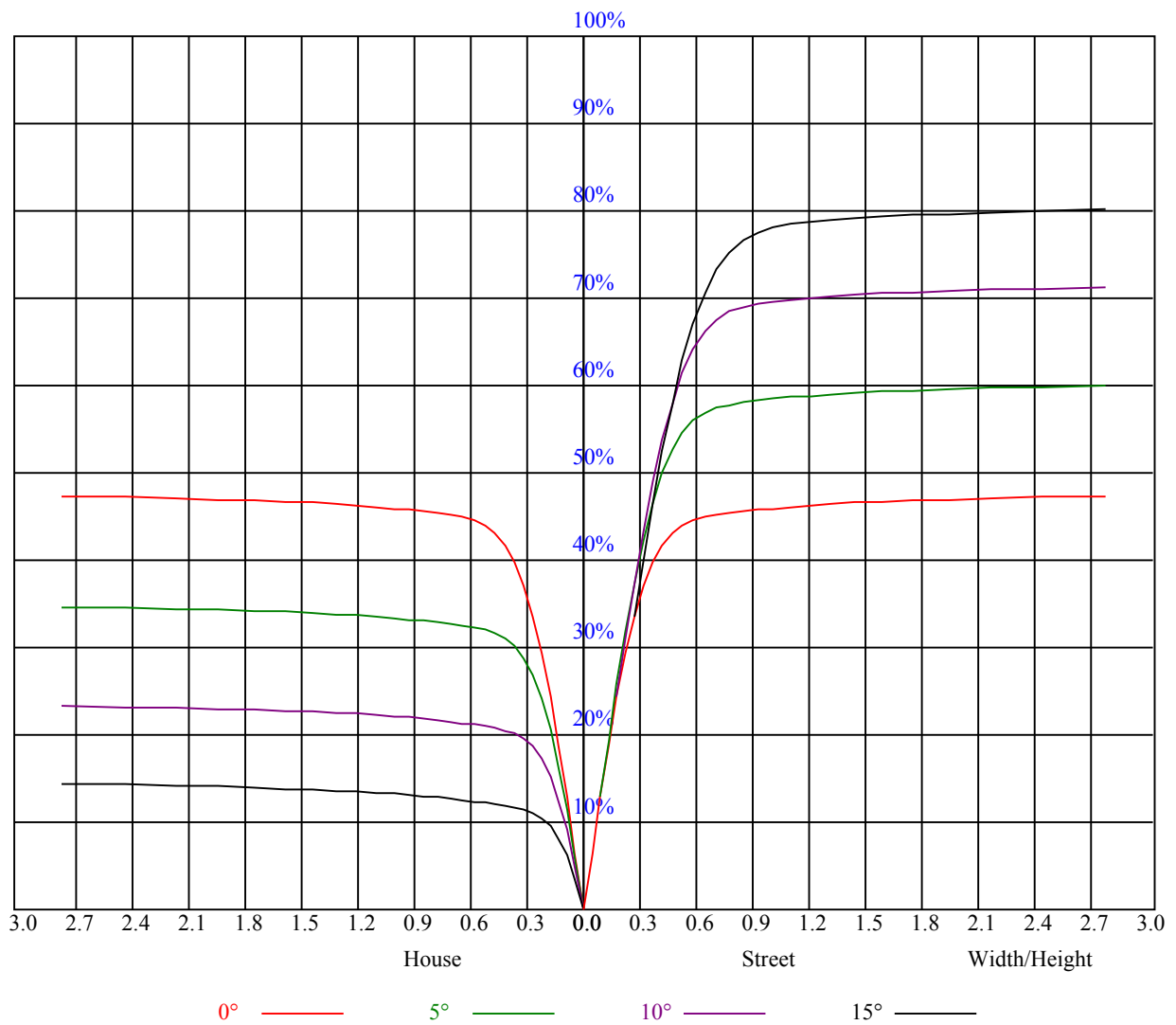


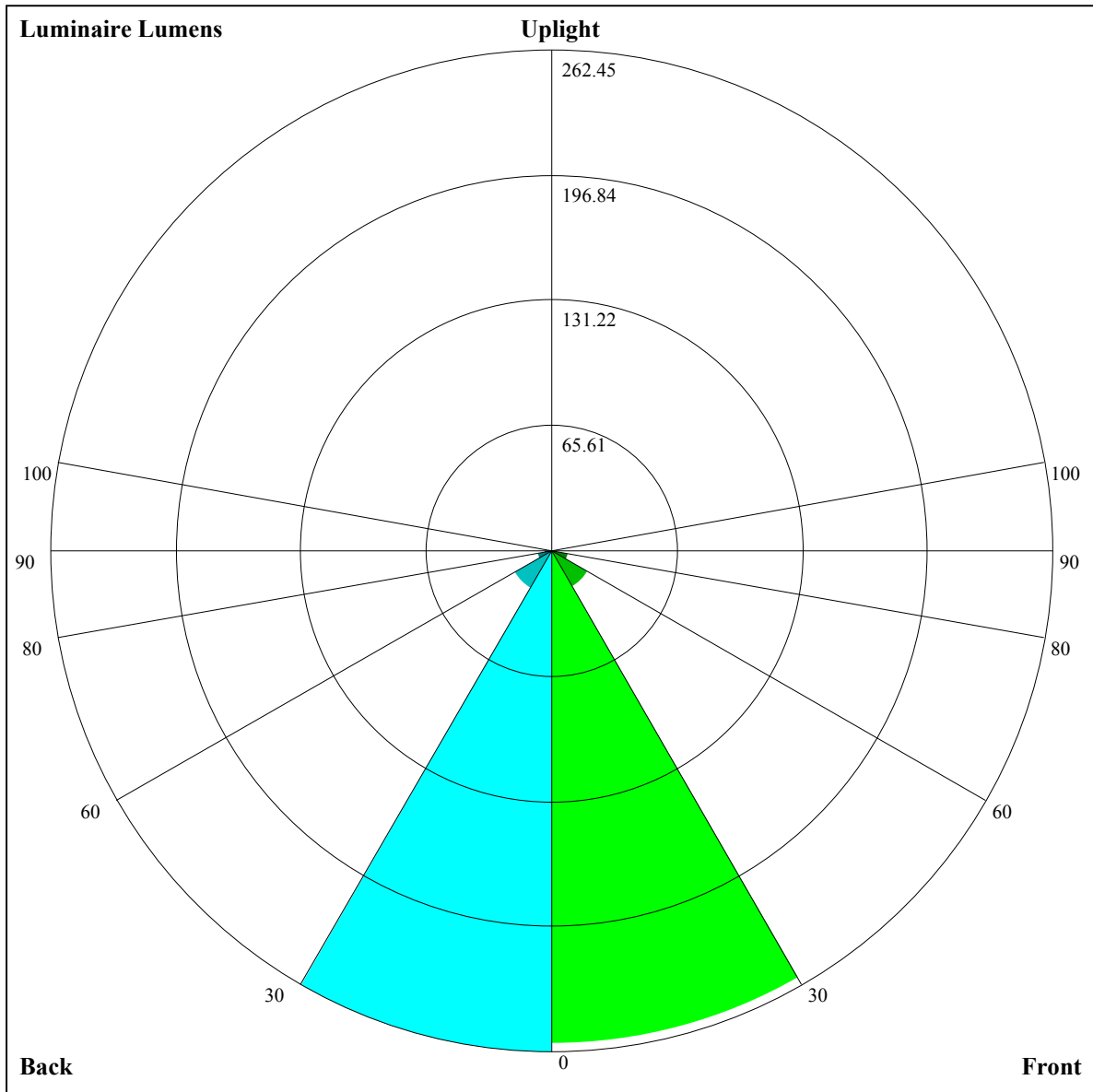
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.47	14.48	13.83	14.79	15.10	13.63	14.64	13.99	14.95	15.26
	3H	15.00	15.91	15.39	16.24	16.59	15.09	15.99	15.48	16.33	16.68
	4H	15.78	16.62	16.18	16.98	17.34	15.77	16.61	16.17	16.96	17.33
	6H	18.34	19.10	18.75	19.48	19.88	16.50	17.27	16.92	17.65	18.05
	8H	18.73	19.47	19.15	19.85	20.26	16.86	17.60	17.28	17.98	18.39
	12H	18.95	19.64	19.37	20.04	20.45	17.23	17.93	17.66	18.32	18.74
4H	2H	14.03	14.86	14.43	15.22	15.58	14.15	14.99	14.55	15.34	15.71
	3H	15.71	16.42	16.13	16.81	17.23	15.77	16.48	16.19	16.87	17.29
	4H	16.71	17.32	17.14	17.75	18.19	16.63	17.25	17.07	17.68	18.12
	6H	19.39	19.93	19.86	20.39	20.84	17.48	18.03	17.96	18.48	18.94
	8H	19.85	20.36	20.33	20.81	21.29	17.95	18.46	18.44	18.92	19.39
	12H	20.14	20.61	20.63	21.06	21.58	18.44	18.91	18.93	19.36	19.88
8H	4H	17.01	17.52	17.49	17.97	18.45	16.91	17.42	17.40	17.88	18.35
	6H	19.77	20.19	20.28	20.67	21.18	17.95	18.37	18.46	18.85	19.36
	8H	20.36	20.71	20.89	21.24	21.73	18.60	18.96	19.13	19.48	19.98
	12H	20.76	21.04	21.30	21.56	22.08	19.24	19.52	19.78	20.04	20.56
12H	4H	17.05	17.52	17.53	17.97	18.49	17.03	17.50	17.52	17.95	18.47
	6H	19.86	20.22	20.39	20.74	21.23	18.16	18.51	18.69	19.03	19.53
	8H	20.45	20.73	20.99	21.25	21.77	18.83	19.10	19.37	19.62	20.14
Variation with the observer position at spacings:											
S = 1.0H	0.6/-0.9					0.6/-0.9					
S = 1.5H	0.4/-1.8					0.4/-1.8					
S = 2.0H	0.4/-0.8					0.4/-0.8					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	3.5					3.5					

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 RHOF=20 CU															
0	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.07	1.04	1.02	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.90
2	1.00	0.97	0.94	0.99	0.95	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.85
3	0.95	0.91	0.87	0.94	0.90	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.84	0.82	0.81
4	0.90	0.85	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.80	0.76	0.82	0.79	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
8	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.65
9	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
10	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61





Luminaire Lumens:

FL=257.99,FM=21.54,FH=8.43,FVH=3.26

BL=262.45,BM=22.77,BH=8.13,BVH=3.75

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	1513.45	1519.30	1518.13	1511.11	1490.63	1470.14	1445.56	1416.30	1368.31
45.0	1503.50	1514.04	1520.47	1519.89	1514.04	1504.09	1485.94	1459.02	1429.76
90.0	1509.35	1512.87	1506.43	1497.65	1485.36	1464.29	1428.59	1396.99	1350.17
135.0	1508.77	1508.77	1502.92	1493.55	1471.31	1447.32	1419.23	1384.12	1341.98
180.0	1513.45	1505.84	1488.87	1470.73	1447.91	1418.06	1375.92	1339.64	1301.01
225.0	1503.50	1484.19	1463.12	1435.62	1406.35	1375.92	1340.22	1291.06	1227.86
270.0	1509.35	1507.01	1495.89	1483.02	1456.10	1430.35	1402.26	1358.37	1323.25
315.0	1508.77	1505.84	1491.80	1477.75	1454.34	1427.42	1388.80	1353.10	1309.21
360.0	1513.45	1519.30	1518.13	1511.11	1490.63	1470.14	1445.56	1416.30	1368.31
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1324.42	1240.74	1157.34	1143.53	1079.80	1014.43	932.15	861.98	775.07
45.0	1396.41	1353.10	1295.16	1239.57	1181.63	1105.55	1037.66	969.19	880.24
90.0	1303.94	1165.89	1165.89	1121.06	1061.66	983.06	920.32	855.01	790.35
135.0	1298.09	1254.20	1206.21	1146.51	1091.50	1035.91	981.48	910.67	835.90
180.0	1260.63	1205.04	1159.97	1110.82	1060.49	997.28	946.95	882.58	827.57
225.0	1154.65	1154.65	1097.41	1046.32	994.18	944.38	878.07	825.11	752.60
270.0	1271.75	1229.62	1178.12	1113.16	1059.32	1001.96	944.61	887.84	812.94
315.0	1237.81	1160.62	1146.63	1093.26	1020.22	960.41	886.79	825.69	762.55
360.0	1324.42	1240.74	1157.34	1143.53	1079.80	1014.43	932.15	861.98	775.07
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	701.86	631.63	560.18	473.27	406.73	344.23	285.94	221.80	178.38
45.0	806.50	732.76	640.29	570.07	501.60	436.64	358.80	302.03	302.03
90.0	710.70	645.74	581.66	518.92	441.49	381.98	325.91	261.48	216.71
135.0	782.50	723.40	666.63	591.72	530.27	471.16	399.18	343.00	302.62
180.0	772.56	704.08	642.64	580.60	506.86	451.27	388.65	334.22	307.89
225.0	692.61	630.40	553.10	493.23	435.41	365.88	313.68	264.29	219.52
270.0	753.83	693.55	632.69	554.27	495.74	424.35	369.92	314.91	301.45
315.0	684.07	618.82	553.27	487.79	424.58	350.43	296.24	246.26	201.38
360.0	701.86	631.63	560.18	473.27	406.73	344.23	285.94	221.80	178.38
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	140.81	110.14	80.35	62.27	48.81	37.45	31.31	26.10	23.29
45.0	237.72	149.35	118.27	93.58	73.50	54.84	44.18	35.00	30.02
90.0	166.79	132.32	105.05	77.78	61.21	48.81	39.74	33.07	27.27
135.0	302.62	183.53	146.36	115.64	89.83	69.41	50.56	39.97	32.60
180.0	307.89	176.04	138.70	101.07	77.72	58.70	44.59	33.88	28.27
225.0	170.30	135.89	106.57	81.87	58.46	44.95	35.46	27.86	23.94
270.0	244.98	168.37	126.35	97.03	75.90	58.99	42.49	33.07	27.62
315.0	152.92	119.39	85.74	64.84	49.39	36.34	29.85	25.57	22.06
360.0	140.81	110.14	80.35	62.27	48.81	37.45	31.31	26.10	23.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	21.30	19.55	18.49	17.67	16.91	16.21	15.74	15.33	15.04
45.0	26.34	23.17	21.36	19.96	18.61	17.79	17.03	16.44	15.86
90.0	24.23	22.12	20.60	19.14	18.20	17.26	16.62	16.09	15.45
135.0	26.63	23.53	20.89	19.49	18.49	17.44	16.80	16.21	15.74
180.0	23.70	21.30	19.78	18.38	17.56	16.85	16.33	15.74	15.33
225.0	20.83	19.20	18.02	17.21	16.39	15.80	15.39	14.98	14.46
270.0	23.35	20.48	18.90	17.91	16.68	16.04	15.45	14.81	14.40
315.0	20.13	18.79	17.79	16.74	16.15	15.51	15.10	14.63	14.34
360.0	21.30	19.55	18.49	17.67	16.91	16.21	15.74	15.33	15.04

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	14.75	14.51	14.34	14.28	14.10	13.69	13.34	12.99	12.64
45.0	15.45	15.16	14.98	14.81	14.69	14.40	14.05	13.75	13.23
90.0	15.04	14.75	14.51	14.22	13.87	13.52	13.23	13.11	12.93
135.0	15.22	14.92	14.63	14.46	14.34	14.34	14.28	13.87	13.40
180.0	14.98	14.69	14.40	14.16	13.99	13.75	13.52	13.11	12.76
225.0	14.16	13.93	13.75	13.52	13.28	12.93	12.64	12.29	11.94
270.0	13.99	13.58	13.28	12.99	12.76	12.47	12.29	12.11	11.94
315.0	14.10	13.93	13.93	14.05	13.81	13.40	12.93	12.41	12.11
360.0	14.75	14.51	14.34	14.28	14.10	13.69	13.34	12.99	12.64
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.35	12.11	11.82	11.59	11.29	10.94	10.65	10.42	10.01
45.0	12.93	12.64	12.29	11.94	11.65	11.41	11.06	10.65	10.30
90.0	12.76	12.29	11.94	11.59	11.35	11.12	10.77	10.48	10.12
135.0	12.93	12.47	12.17	11.94	11.59	11.35	11.06	10.65	10.36
180.0	12.47	12.17	11.82	11.59	11.29	11.06	10.77	10.53	10.24
225.0	11.76	11.59	11.35	11.00	10.77	10.59	10.30	10.01	9.71
270.0	11.70	11.53	11.41	11.18	11.00	10.77	10.48	10.24	9.83
315.0	11.88	11.65	11.35	11.18	10.94	10.71	10.30	10.07	9.60
360.0	12.35	12.11	11.82	11.59	11.29	10.94	10.65	10.42	10.01
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.66	9.31	8.90	8.60	8.19	7.90	7.72	7.43	7.20
45.0	10.01	9.54	9.13	8.78	8.37	8.02	7.67	7.43	7.20
90.0	9.77	9.31	8.95	8.60	8.25	7.84	7.61	7.37	7.08
135.0	10.07	9.77	9.42	9.01	8.66	8.19	7.90	7.61	7.37
180.0	9.89	9.66	9.31	8.90	8.54	8.25	7.84	7.61	7.43
225.0	9.42	9.01	8.66	8.37	7.96	7.67	7.37	7.14	6.91
270.0	9.54	9.19	8.90	8.54	8.13	7.78	7.49	7.14	6.96
315.0	9.31	9.01	8.60	8.25	7.96	7.67	7.43	7.20	7.02
360.0	9.66	9.31	8.90	8.60	8.19	7.90	7.72	7.43	7.20
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.96	6.85	6.67	6.55	7.26	9.77	13.81	14.57	12.64
45.0	6.96	6.61	6.38	6.20	6.09	5.91	5.74	5.62	5.44
90.0	6.85	6.61	6.38	6.20	6.03	5.79	5.68	5.50	5.33
135.0	7.14	6.91	6.67	6.50	6.38	6.26	7.26	10.89	14.63
180.0	7.14	6.96	6.79	6.67	6.50	6.55	8.31	11.65	15.98
225.0	6.67	6.44	6.26	6.09	5.91	5.74	5.56	5.38	5.21
270.0	6.79	6.50	6.32	6.09	5.91	5.74	5.62	5.44	5.33
315.0	6.79	6.55	6.44	6.32	7.84	10.94	14.92	20.01	23.17
360.0	6.96	6.85	6.67	6.55	7.26	9.77	13.81	14.57	12.64
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.01	5.56	5.79	4.97	4.74	4.68	4.16	3.92	3.86
45.0	5.27	5.15	4.92	4.74	4.62	4.51	4.39	4.10	3.92
90.0	5.21	5.15	5.03	4.86	4.80	4.86	4.21	4.04	3.86
135.0	18.84	22.94	23.41	18.84	13.64	9.36	7.14	4.21	4.04
180.0	16.39	13.46	8.90	5.15	5.44	5.56	4.86	4.16	3.92
225.0	5.03	4.92	4.80	4.62	4.56	4.39	4.04	3.86	3.75
270.0	5.21	5.03	4.86	4.74	4.68	4.74	4.68	4.04	3.86
315.0	23.23	19.55	14.57	10.24	7.08	6.96	4.04	3.86	3.80
360.0	9.01	5.56	5.79	4.97	4.74	4.68	4.16	3.92	3.86

Intensity data(cd)

C/γ(°)	90.0
0.0	3.80
45.0	3.80
90.0	3.80
135.0	3.92
180.0	3.75
225.0	3.69
270.0	3.80
315.0	3.75
360.0	3.80