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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 61-0216-3

Luminaire: 92.70.427.00

Report No: 20250226-B003

Ballast type: AC

Test No: 20250226-C003

LampCAT: CITIZEN CLU028

Lamp flux(lm): 1484.0

Number of Lamps: 1

Length(mm): 50

Phm Type: C

Voltage(V): 35.920

Current(A): 0.360

Power (W): 12.930

PF: 0.000

Width(mm): 50

Height(mm): 24

Photometric Results

Lumens(lm): 1398.33, Efficiency(%): 94.23% , Luminous Efficacy(lm/W): 108.15

Central intensity(cd): 6690.453, Maximum intensity(cd): 6690.453

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.8

[C90/270]Total=23.8

Field angle(10%Imax): [C0/180]Total=42.8

[C90/270]Total=42.8

Maximum s/h(1/2): C0_180=0.40 C90_270=0.40

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(%): 94.23%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.912%

Equipment: GMS 1800
Temperature($^{\circ}$ C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6690.453	0.000	0	0.00%	0.00%
1.0	6666.672	6.391	6.391	0.43%	0.46%
2.0	6564.888	18.991	25.382	1.28%	1.82%
3.0	6422.005	31.060	56.443	2.09%	4.04%
4.0	6224.698	42.333	98.775	2.85%	7.06%
5.0	5961.379	52.424	151.199	3.53%	10.81%
6.0	5654.029	61.042	212.241	4.11%	15.18%
7.0	5307.711	68.039	280.281	4.58%	20.04%
8.0	4931.017	73.277	353.557	4.94%	25.28%
9.0	4531.941	76.692	430.249	5.17%	30.77%
10.0	4119.011	78.288	508.537	5.28%	36.37%
11.0	3702.483	78.153	586.69	5.27%	41.96%
12.0	3290.085	76.439	663.129	5.15%	47.42%
13.0	2889.744	73.339	736.468	4.94%	52.67%
14.0	2490.601	68.868	805.336	4.64%	57.59%
15.0	2153.968	63.763	869.098	4.30%	62.15%
16.0	1797.172	57.895	926.994	3.90%	66.29%
17.0	1520.750	51.669	978.663	3.48%	69.99%
18.0	1296.772	46.455	1025.117	3.13%	73.31%
19.0	1017.433	40.262	1065.38	2.71%	76.19%
20.0	868.627	34.520	1099.9	2.33%	78.66%
21.0	714.885	30.407	1130.307	2.05%	80.83%
22.0	598.800	26.399	1156.706	1.78%	82.72%
23.0	477.112	22.576	1179.281	1.52%	84.34%
24.0	391.582	18.993	1198.274	1.28%	85.69%
25.0	332.137	16.456	1214.73	1.11%	86.87%
26.0	267.203	14.147	1228.877	0.95%	87.88%
27.0	215.685	11.814	1240.691	0.80%	88.73%
28.0	184.890	10.142	1250.833	0.68%	89.45%
29.0	150.411	8.772	1259.605	0.59%	90.08%
30.0	133.092	7.655	1267.26	0.52%	90.63%
31.0	107.246	6.688	1273.948	0.45%	91.11%
32.0	93.038	5.738	1279.686	0.39%	91.52%
33.0	81.780	5.150	1284.836	0.35%	91.88%
34.0	72.967	4.683	1289.519	0.32%	92.22%
35.0	65.866	4.312	1293.831	0.29%	92.53%
36.0	60.711	4.030	1297.861	0.27%	92.82%
37.0	55.468	3.789	1301.65	0.26%	93.09%

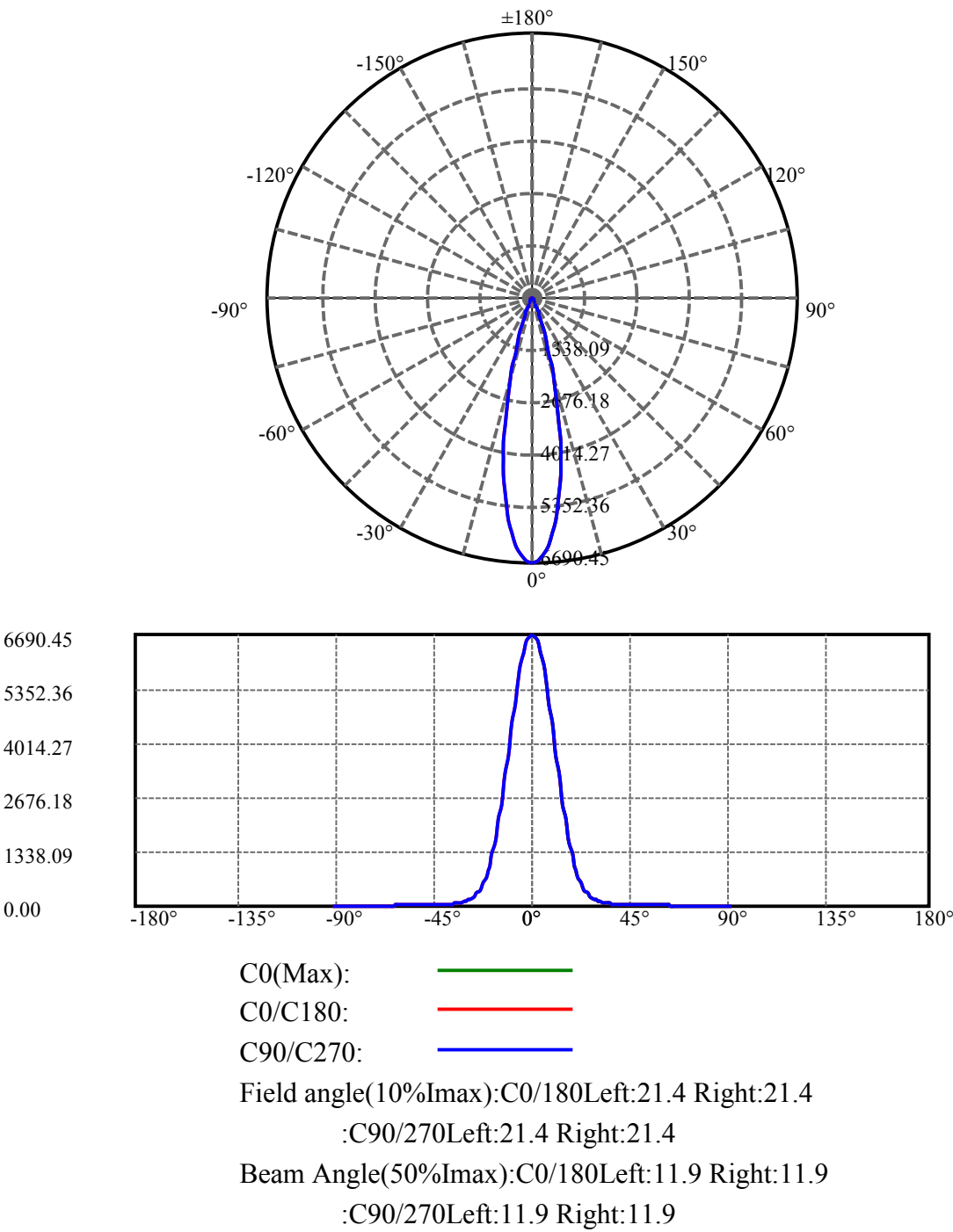
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	51.498	3.570	1305.221	0.24%	93.34%
39.0	48.900	3.427	1308.648	0.23%	93.59%
40.0	46.176	3.316	1311.963	0.22%	93.82%
41.0	44.137	3.216	1315.18	0.22%	94.05%
42.0	42.619	3.152	1318.332	0.21%	94.28%
43.0	41.280	3.108	1321.439	0.21%	94.50%
44.0	40.101	3.072	1324.511	0.21%	94.72%
45.0	39.102	3.044	1327.555	0.21%	94.94%
46.0	38.162	3.022	1330.576	0.20%	95.15%
47.0	37.343	3.003	1333.579	0.20%	95.37%
48.0	36.530	2.986	1336.566	0.20%	95.58%
49.0	35.751	2.968	1339.534	0.20%	95.80%
50.0	34.932	2.947	1342.481	0.20%	96.01%
51.0	34.086	2.920	1345.401	0.20%	96.22%
52.0	33.206	2.888	1348.289	0.19%	96.42%
53.0	32.294	2.849	1351.138	0.19%	96.63%
54.0	31.275	2.802	1353.94	0.19%	96.83%
55.0	30.122	2.741	1356.68	0.18%	97.02%
56.0	28.890	2.667	1359.347	0.18%	97.21%
57.0	27.704	2.588	1361.934	0.17%	97.40%
58.0	26.445	2.504	1364.439	0.17%	97.58%
59.0	24.913	2.401	1366.84	0.16%	97.75%
60.0	23.714	2.297	1369.137	0.15%	97.91%
61.0	22.348	2.198	1371.335	0.15%	98.07%
62.0	20.956	2.087	1373.422	0.14%	98.22%
63.0	19.744	1.979	1375.401	0.13%	98.36%
64.0	18.545	1.879	1377.28	0.13%	98.49%
65.0	17.353	1.777	1379.057	0.12%	98.62%
66.0	16.220	1.675	1380.732	0.11%	98.74%
67.0	15.154	1.578	1382.309	0.11%	98.85%
68.0	14.122	1.483	1383.792	0.10%	98.96%
69.0	13.169	1.392	1385.185	0.09%	99.06%
70.0	12.263	1.306	1386.491	0.09%	99.15%
71.0	11.384	1.222	1387.713	0.08%	99.24%
72.0	10.585	1.142	1388.855	0.08%	99.32%
73.0	9.765	1.064	1389.919	0.07%	99.40%
74.0	8.979	0.985	1390.905	0.07%	99.47%
75.0	8.213	0.908	1391.813	0.06%	99.53%

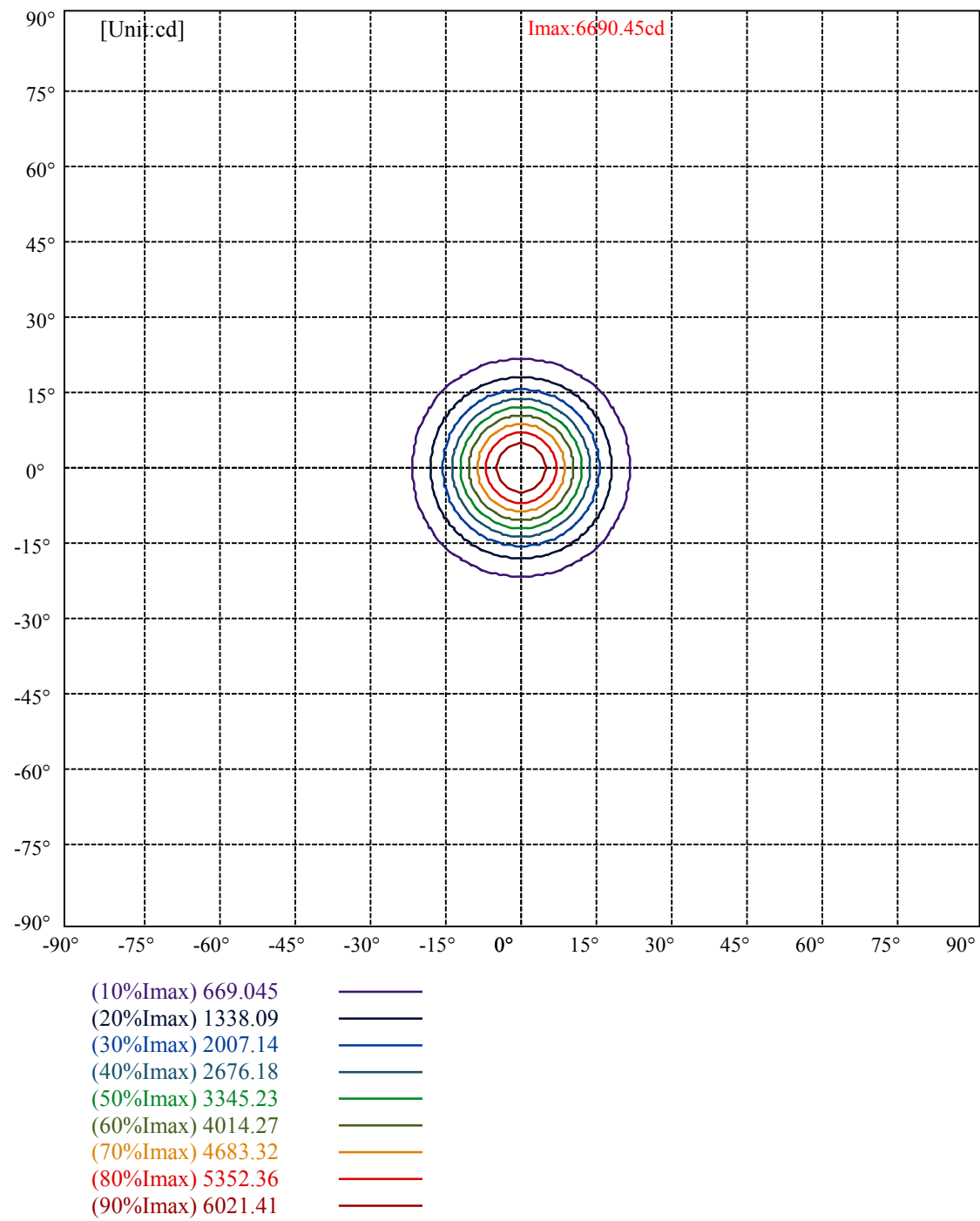
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.454	0.832	1392.645	0.06%	99.59%
77.0	6.801	0.760	1393.405	0.05%	99.65%
78.0	6.102	0.691	1394.096	0.05%	99.70%
79.0	5.509	0.624	1394.719	0.04%	99.74%
80.0	4.943	0.563	1395.283	0.04%	99.78%
81.0	4.490	0.510	1395.793	0.03%	99.82%
82.0	4.003	0.461	1396.254	0.03%	99.85%
83.0	3.557	0.411	1396.665	0.03%	99.88%
84.0	3.137	0.365	1397.029	0.02%	99.91%
85.0	2.678	0.317	1397.347	0.02%	99.93%
86.0	2.311	0.273	1397.619	0.02%	99.95%
87.0	1.932	0.232	1397.852	0.02%	99.97%
88.0	1.572	0.192	1398.044	0.01%	99.98%
89.0	1.266	0.156	1398.199	0.01%	99.99%
90.0	1.066	0.128	1398.327	0.01%	100.00%

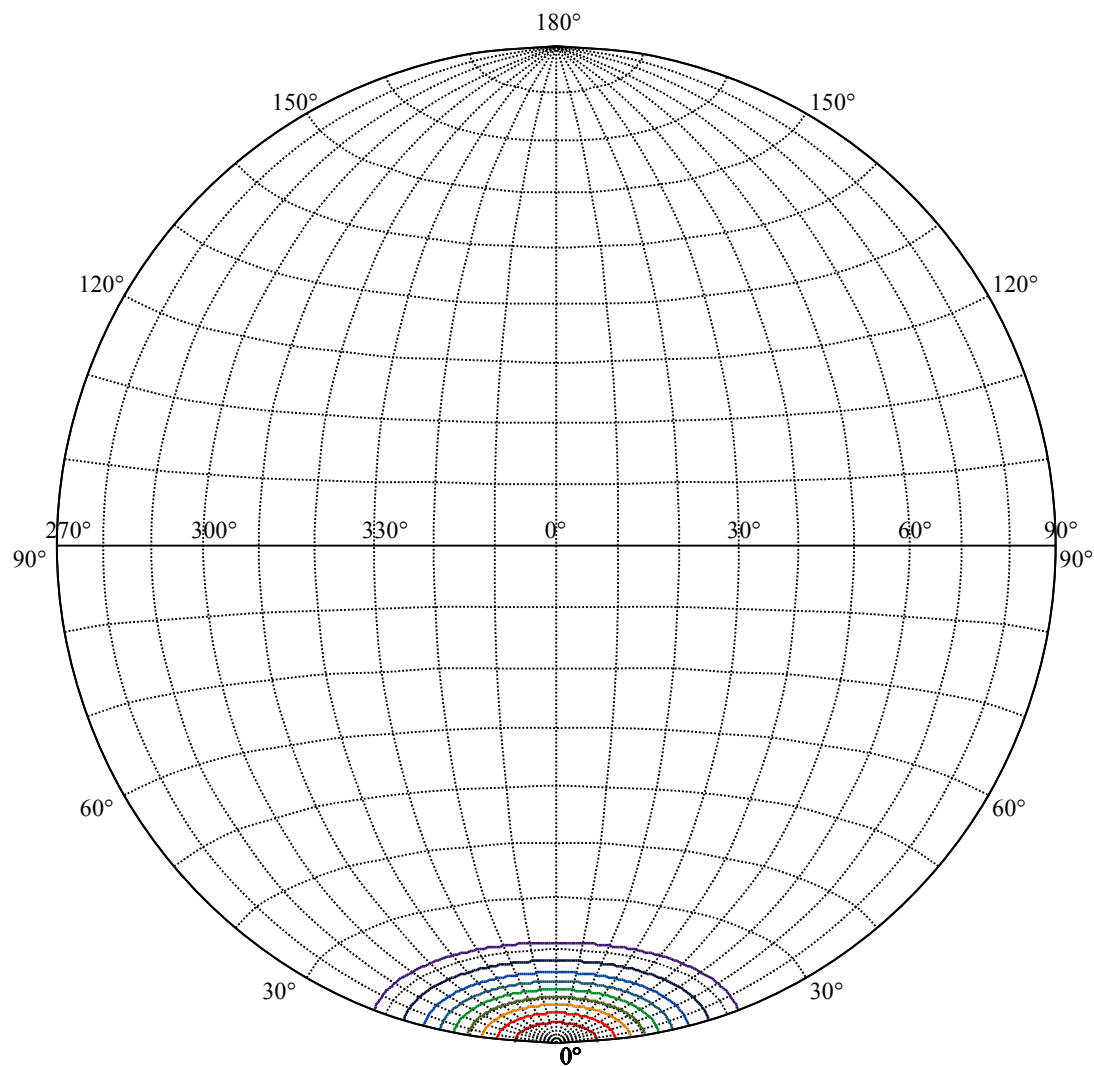
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1267.26	85.40%	90.63%
0-40	1311.96	88.41%	93.82%
0-60	1369.14	92.26%	97.91%
0-90	1398.20	94.22%	99.99%
0-120	1398.20	94.22%	99.99%
0-180	1398.33	94.23%	100.00%
60-90	29.06	1.96%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.62	1118.66	75.38%	80.00%

ZONAL LUMEN SUMMARY

0-10	508.54
10-20	591.36
20-30	167.36
30-40	44.70
40-50	30.52
50-60	26.66
60-70	17.35
70-80	8.79
80-90	2.92
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





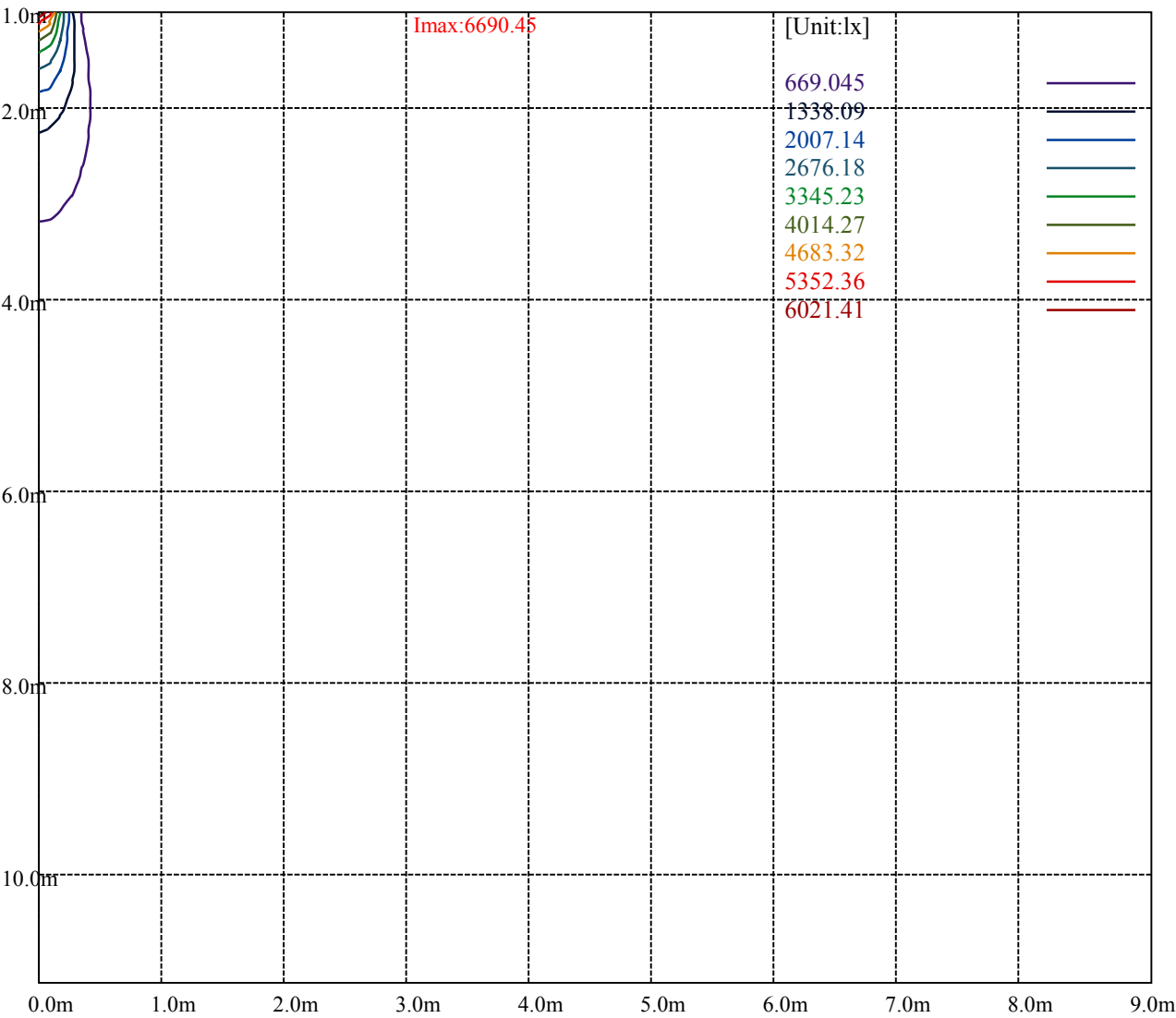


House

[Unit:cd]

Road

Imax:6690.45	
(10%Imax) 669.045	_____
(20%Imax) 1338.09	_____
(30%Imax) 2007.14	_____
(40%Imax) 2676.18	_____
(50%Imax) 3345.23	_____
(60%Imax) 4014.27	_____
(70%Imax) 4683.32	_____
(80%Imax) 5352.36	_____
(90%Imax) 6021.41	_____



Luminance Table

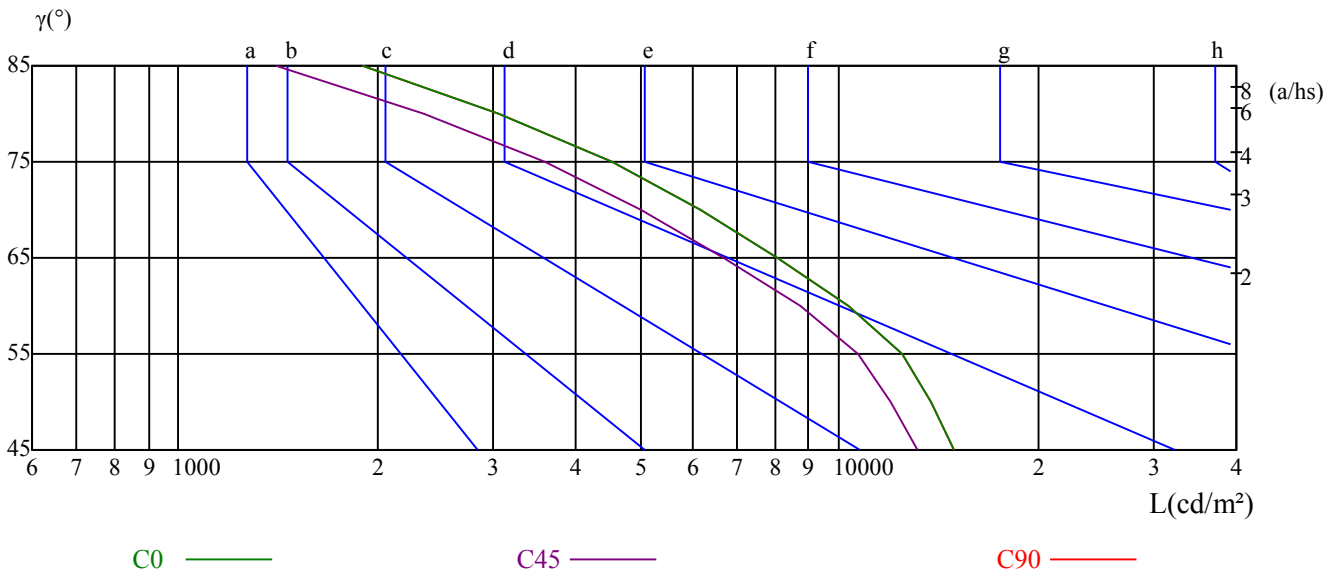
γ	45	50	55	60	65	70	75	80	85
C0	14945	13828	12463	10359	8093	6185	4547	3059	1895
C45	13175	12016	10666	8719	6688	5006	3592	2348	1403
C90	14945	13828	12463	10359	8093	6185	4547	3059	1895

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
16424	16424	16424	12694	12694	12694	12290	12290	12290

Glare Table

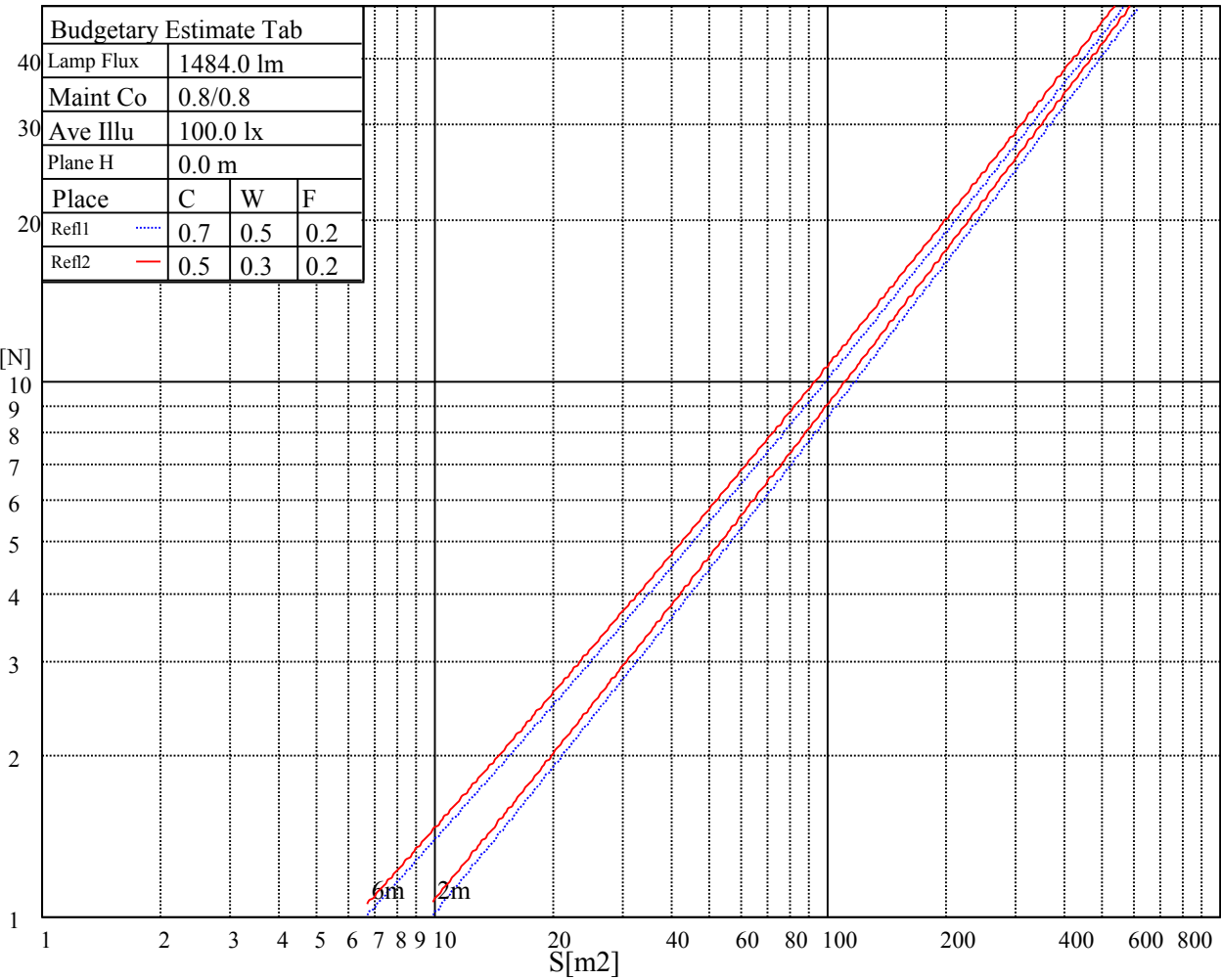
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

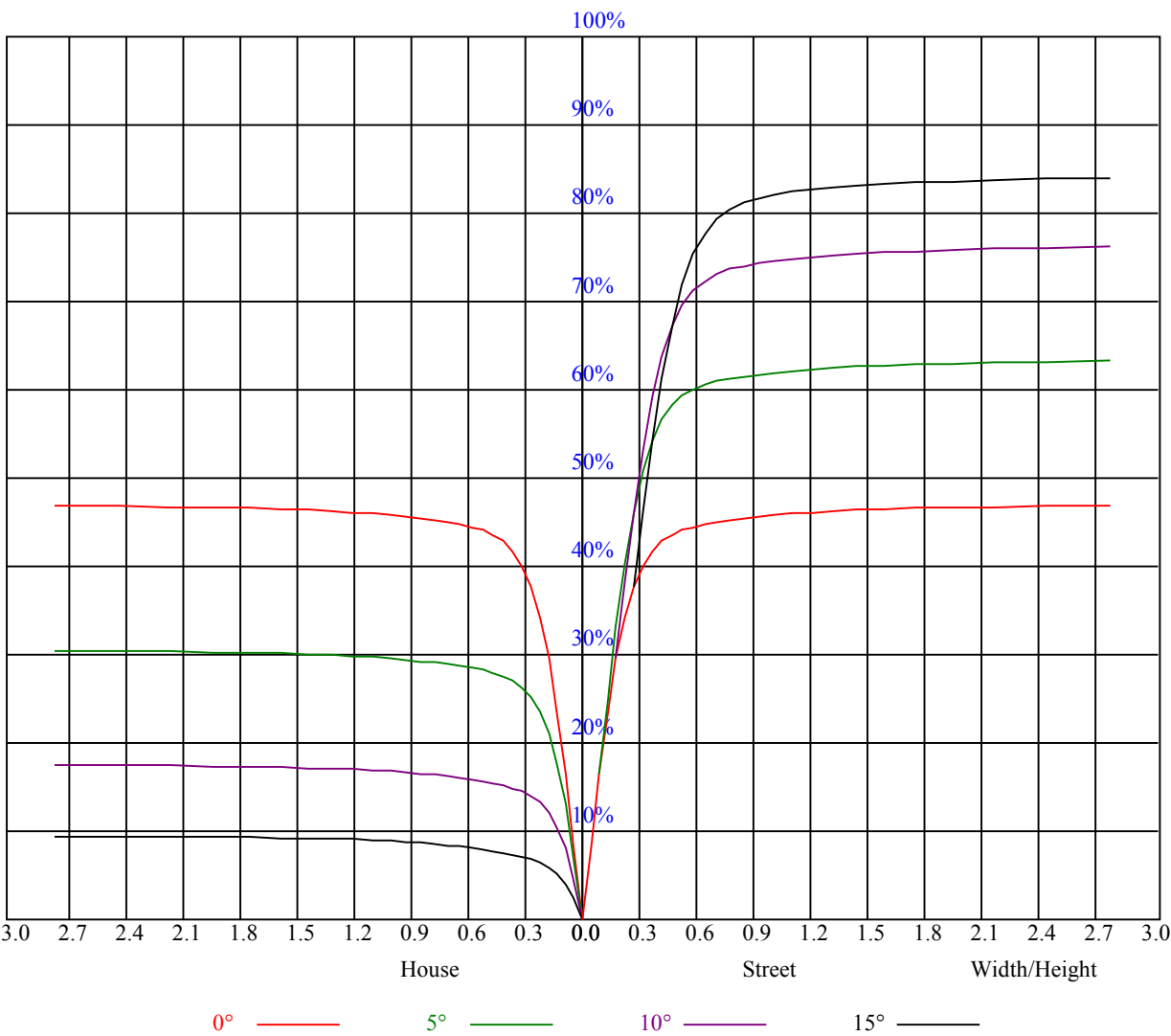


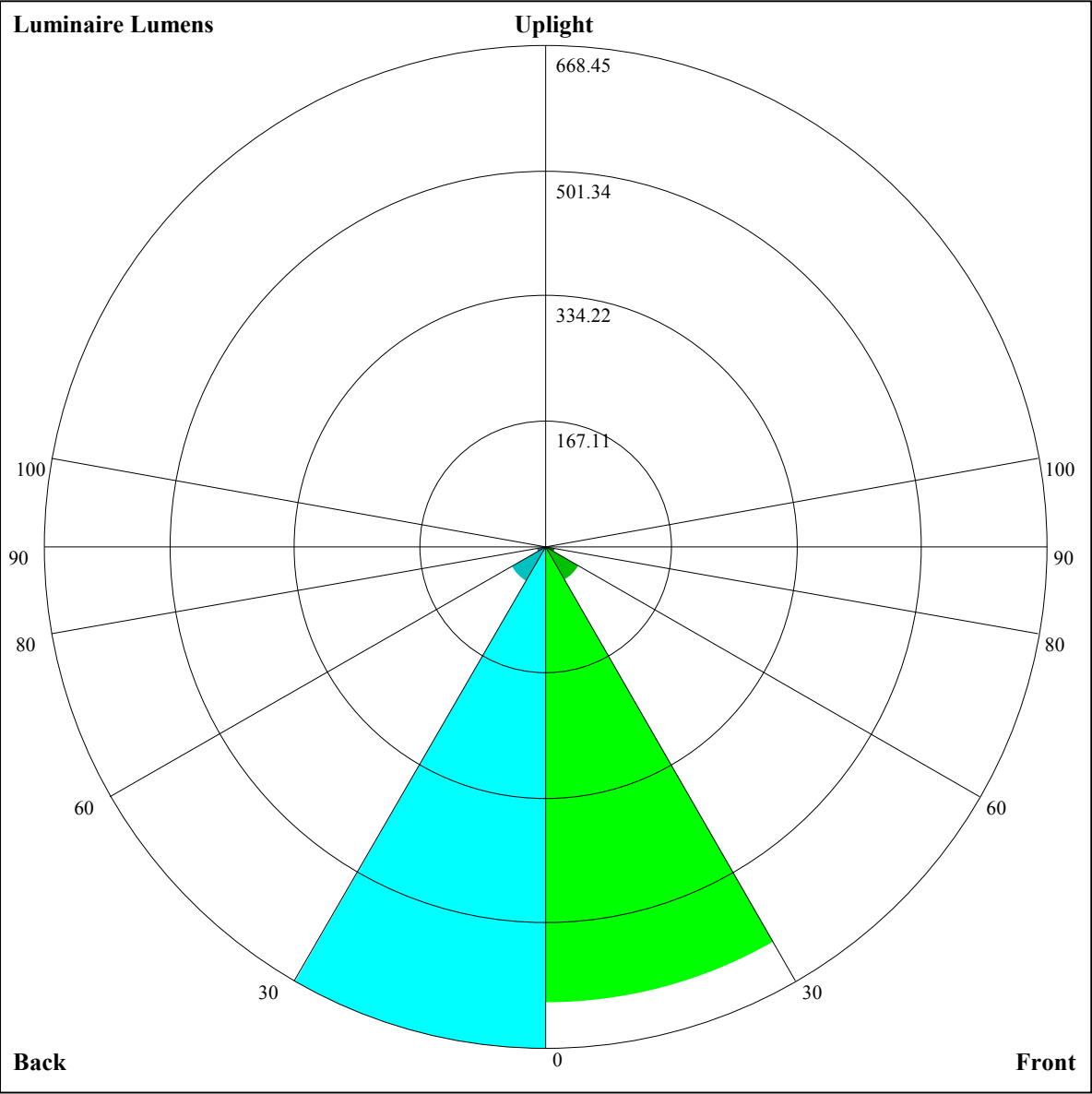
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.49	14.47	13.86	14.78	15.09	13.02	13.99	13.38	14.30	14.62
	3H	14.43	15.30	14.82	15.64	15.98	13.91	14.78	14.30	15.12	15.46
	4H	14.73	15.53	15.13	15.89	16.25	14.18	14.98	14.58	15.33	15.70
	6H	14.93	15.67	15.35	16.04	16.44	14.34	15.07	14.76	15.45	15.85
	8H	14.97	15.67	15.39	16.05	16.46	14.36	15.06	14.78	15.44	15.85
	12H	14.98	15.64	15.41	16.04	16.45	14.35	15.01	14.78	15.41	15.82
4H	2H	13.79	14.59	14.19	14.94	15.31	13.40	14.20	13.80	14.55	14.92
	3H	14.83	15.50	15.26	15.90	16.32	14.40	15.07	14.82	15.46	15.88
	4H	15.26	15.84	15.70	16.27	16.71	14.78	15.36	15.22	15.79	16.24
	6H	15.51	16.02	15.98	16.47	16.92	14.99	15.50	15.46	15.95	16.40
	8H	15.60	16.07	16.09	16.53	17.01	15.06	15.53	15.54	15.99	16.46
	12H	15.67	16.10	16.16	16.55	17.07	15.10	15.53	15.59	15.98	16.51
8H	4H	15.30	15.77	15.78	16.23	16.70	14.85	15.33	15.34	15.78	16.26
	6H	15.63	16.02	16.14	16.50	17.01	15.15	15.54	15.66	16.02	16.53
	8H	15.83	16.15	16.36	16.68	17.17	15.32	15.65	15.86	16.17	16.67
	12H	15.95	16.20	16.49	16.71	17.24	15.41	15.66	15.95	16.17	16.70
12H	4H	15.27	15.71	15.76	16.16	16.68	14.84	15.27	15.33	15.73	16.25
	6H	15.68	16.00	16.21	16.52	17.02	15.21	15.53	15.74	16.05	16.55
	8H	15.86	16.11	16.41	16.63	17.15	15.37	15.62	15.91	16.13	16.66
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.5					0.4/-0.5				
S = 1.5H		0.8/-1.1					0.8/-1.1				
S = 2.0H		2.6/-1.5					2.6/-1.5				
Standard tables:		BK3					BK3				
Uncorrected UGR		-2.1					-2.1				

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.01	1.00	0.99	0.97	0.97	0.96	0.95	0.93	0.93	0.92	0.90
2	1.00	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.89	0.92	0.89	0.87	0.90	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.82	0.86	0.83	0.82	0.80
5	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.78
6	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
7	0.82	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
8	0.80	0.76	0.73	0.79	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
9	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
10	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.68





Luminaire Lumens:

FL=608.71,FM=51.19,FH=13.31,FVH=1.7

BL=668.45,BM=53.3,BH=13.05,BVH=1.35

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

Appendix Page: 18 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6690.19	6571.88	6309.70	6158.89	5867.92	5531.66	5162.90	4770.15	4359.28
45.0	6737.61	6659.28	6475.43	6231.36	5928.14	5578.02	5199.67	4794.13	4368.34
90.0	6559.09	6376.84	6029.92	5761.34	5380.85	4966.79	4538.34	4104.56	3665.45
135.0	6756.27	6656.08	6564.42	6258.54	6090.14	5772.00	5415.49	5029.14	4622.53
180.0	6690.19	6728.02	6733.35	6675.27	6552.70	6366.18	6118.38	5824.76	5484.77
225.0	6774.92	6825.54	6810.62	6767.99	6643.82	6458.91	6213.24	5905.22	5557.24
270.0	6559.09	6728.56	6843.66	6868.71	6840.46	6745.61	6585.74	6361.92	6079.48
315.0	6756.27	6787.17	6752.00	6653.95	6493.55	6271.86	5998.48	5671.81	5311.04
360.0	6690.19	6571.88	6309.70	6158.89	5867.92	5531.66	5162.90	4770.15	4359.28

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3937.76	3511.97	3096.31	2697.70	2318.27	1967.63	1642.02	1036.49	953.89
45.0	3935.63	3503.44	3080.32	2677.98	2293.23	1934.05	1616.45	1444.32	1186.40
90.0	3235.40	2812.81	2414.73	2045.43	1713.43	1280.72	1048.59	968.65	790.82
135.0	4194.08	3767.76	3342.51	2926.85	2530.90	2155.21	1812.02	1510.93	1248.21
180.0	5113.87	4716.32	4300.13	3878.07	3455.48	3043.02	2641.75	2264.45	1918.60
225.0	5169.29	4760.02	4338.50	3899.39	3472.54	3054.74	2650.27	2269.78	1913.80
270.0	5747.49	5367.00	4958.79	4536.74	4099.23	3666.51	3235.93	2820.27	2425.92
315.0	4922.02	4512.76	4088.57	3658.52	3234.86	2822.93	2584.72	2062.48	1728.35
360.0	3937.76	3511.97	3096.31	2697.70	2318.27	1967.63	1642.02	1036.49	953.89

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	953.89	737.80	620.24	498.53	400.42	321.50	260.91	214.23	178.15
45.0	891.70	787.25	635.38	466.98	408.36	327.89	276.20	276.20	173.19
90.0	697.89	565.09	455.15	367.33	297.46	242.95	200.05	166.69	140.10
135.0	1021.20	835.21	681.74	549.58	445.13	359.87	291.12	291.12	269.27
180.0	1604.19	1325.48	1084.61	883.71	749.42	606.07	467.51	392.37	315.64
225.0	1596.73	1012.56	1012.56	932.95	757.84	613.47	494.05	395.57	316.76
270.0	2060.35	1859.45	1442.72	1194.39	1064.89	808.57	714.78	578.89	469.64
315.0	1548.23	1016.61	1016.61	825.62	666.87	536.58	428.03	342.02	274.87
360.0	953.89	737.80	620.24	498.53	400.42	321.50	260.91	214.23	178.15

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	150.17	127.36	109.30	94.70	82.71	72.95	65.39	59.15	54.41
45.0	144.74	122.62	104.82	90.59	79.03	69.81	62.51	58.94	52.70
90.0	119.16	102.00	88.04	76.90	68.74	62.56	57.66	53.82	50.95
135.0	173.09	146.28	124.27	106.53	92.24	80.84	71.78	64.85	59.31
180.0	278.33	278.33	176.60	147.99	125.55	107.70	92.94	80.95	71.46
225.0	255.85	208.42	172.29	143.94	120.97	102.48	88.19	76.84	67.94
270.0	381.18	310.84	275.67	275.67	179.32	153.64	133.54	116.71	102.42
315.0	222.97	183.26	152.30	128.43	109.40	94.32	82.23	72.47	67.73
360.0	150.17	127.36	109.30	94.70	82.71	72.95	65.39	59.15	54.41

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	50.95	48.23	46.04	45.03	43.01	42.26	41.14	40.29	39.54
45.0	50.68	47.85	45.51	43.43	41.99	40.50	39.27	38.26	37.30
90.0	48.65	46.63	44.76	43.38	41.62	39.97	39.06	38.05	37.09
135.0	55.10	51.85	50.20	46.74	44.76	43.64	41.62	40.77	39.54
180.0	64.27	60.80	54.20	52.01	48.97	45.83	44.55	42.95	41.62
225.0	63.73	55.85	51.85	50.04	46.52	44.55	43.70	42.15	40.77
270.0	91.23	76.42	66.99	61.02	55.42	51.26	48.07	45.56	43.86
315.0	61.07	56.11	52.44	49.56	47.11	45.08	43.54	42.21	41.09
360.0	50.95	48.23	46.04	45.03	43.01	42.26	41.14	40.29	39.54

Intensity data(cd)

Appendix Page: 19 Total:20

C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	38.80	38.00	37.36	36.72	36.02	35.28	34.43	33.41	32.29
45.0	36.40	35.81	35.22	34.37	33.47	32.72	31.81	30.75	29.58
90.0	36.40	35.60	34.85	33.95	33.20	32.24	31.01	29.84	28.83
135.0	38.48	37.41	36.61	35.76	34.85	33.79	33.04	32.03	30.91
180.0	40.23	38.90	37.68	36.66	35.70	34.75	33.73	32.77	31.81
225.0	39.65	38.58	37.57	36.61	35.86	35.06	34.37	33.73	32.93
270.0	42.58	41.51	40.55	39.75	39.01	38.26	37.68	37.14	36.56
315.0	40.29	39.49	38.90	38.42	37.89	37.36	36.61	35.97	35.44
360.0	38.80	38.00	37.36	36.72	36.02	35.28	34.43	33.41	32.29
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.23	29.79	28.30	26.80	25.47	24.09	23.13	21.21	19.88
45.0	28.35	27.55	25.69	24.83	23.45	22.06	20.84	19.56	18.33
90.0	27.39	26.06	24.67	23.45	22.70	20.84	19.56	18.86	17.27
135.0	29.74	28.67	27.44	26.06	24.73	23.39	22.28	21.10	20.20
180.0	30.91	29.74	28.67	27.39	26.59	24.89	23.50	22.33	20.89
225.0	31.97	30.85	29.68	28.46	26.91	25.26	24.09	22.44	21.00
270.0	36.08	35.44	34.59	33.89	32.29	30.96	30.11	28.51	26.75
315.0	34.53	32.88	32.08	30.75	29.42	27.82	26.22	24.78	23.34
360.0	31.23	29.79	28.30	26.80	25.47	24.09	23.13	21.21	19.88
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.08	17.91	16.79	15.72	14.65	13.70	12.84	11.99	11.14
45.0	17.27	16.15	15.08	14.18	13.43	12.58	11.88	11.19	10.60
90.0	16.73	15.67	14.76	13.86	13.06	12.20	11.40	10.66	9.86
135.0	18.86	18.12	17.16	16.25	15.19	14.12	13.11	12.20	11.35
180.0	19.66	18.39	17.16	15.99	14.92	13.86	12.90	11.94	11.03
225.0	19.77	18.60	17.27	15.99	14.92	13.80	12.74	11.67	10.71
270.0	24.73	22.97	21.32	19.77	18.28	17.00	15.77	14.65	13.59
315.0	21.85	20.57	19.29	18.01	16.79	15.72	14.71	13.80	12.79
360.0	19.08	17.91	16.79	15.72	14.65	13.70	12.84	11.99	11.14
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.39	9.65	8.85	8.10	7.30	6.71	6.13	5.65	5.17
45.0	9.91	9.27	8.69	8.05	7.46	7.03	6.45	6.08	5.60
90.0	9.17	8.37	7.57	6.77	6.18	5.70	5.22	4.64	4.26
135.0	10.50	9.65	8.90	8.21	7.41	6.55	5.97	5.49	4.90
180.0	10.23	9.43	8.58	7.78	6.98	6.23	5.38	4.90	4.10
225.0	9.97	9.06	8.21	7.41	6.66	5.97	5.17	4.53	4.00
270.0	12.52	11.62	10.76	9.75	8.95	8.15	7.35	6.45	5.65
315.0	11.99	11.08	10.28	9.65	8.69	8.05	7.14	6.34	5.86
360.0	10.39	9.65	8.85	8.10	7.30	6.71	6.13	5.65	5.17
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.69	4.26	3.78	3.36	3.04	2.56	2.24	1.81	1.49
45.0	5.12	4.58	4.21	3.73	3.25	2.82	2.45	2.03	1.81
90.0	3.89	3.52	3.09	2.66	2.24	1.87	1.65	1.49	1.33
135.0	4.37	3.89	3.41	3.04	2.45	2.08	1.65	1.28	1.07
180.0	3.68	3.25	2.82	2.50	2.03	1.71	1.28	0.96	0.59
225.0	3.57	3.20	2.77	2.40	1.97	1.71	1.33	1.01	0.64
270.0	5.22	4.53	3.94	3.46	2.98	2.61	2.18	1.81	1.39
315.0	5.38	4.80	4.42	3.94	3.46	3.14	2.66	2.18	1.81
360.0	4.69	4.26	3.78	3.36	3.04	2.56	2.24	1.81	1.49

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	1.44
45.0	1.65
90.0	1.28
135.0	0.91
180.0	0.32
225.0	0.43
270.0	1.01
315.0	1.49
360.0	1.44