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Nata

Client:

LumCAT: 1-1060-N

Luminaire: 92.70.246.00

Report No: 200826-B015

Test No: 200826-C015

LampCAT: LUMINUS CXM-9-AC40

Lamp flux(lm): 1460.9

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V):

Current(A):

Power (W): 10.1120

PF:

Ballast type:

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1218.71, Efficiency(%): 83.42% , Luminous Efficacy(lm/W): 120.52

Central intensity(cd): 6703.031, Maximum intensity(cd): 6703.031

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=46.2

[C90/270]Total=46.2

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.34 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.42%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.058%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6703.032	0.000	0	.000%	.000%
1.0	6647.344	6.388	6.388	.437%	.524%
2.0	6484.430	18.848	25.236	1.290%	2.071%
3.0	6185.602	30.303	55.538	2.074%	4.557%
4.0	5817.024	40.177	95.715	2.750%	7.854%
5.0	5394.164	48.230	143.945	3.301%	11.811%
6.0	4866.258	53.921	197.866	3.691%	16.236%
7.0	4328.227	57.070	254.936	3.906%	20.919%
8.0	3844.125	58.488	313.424	4.004%	25.718%
9.0	3324.164	58.095	371.519	3.977%	30.485%
10.0	2877.328	56.121	427.641	3.841%	35.090%
11.0	2535.821	54.088	481.729	3.702%	39.528%
12.0	2231.719	52.116	533.845	3.567%	43.804%
13.0	1971.704	49.884	583.729	3.415%	47.897%
14.0	1766.883	47.854	631.583	3.276%	51.824%
15.0	1586.532	46.037	677.62	3.151%	55.601%
16.0	1418.864	44.037	721.657	3.014%	59.215%
17.0	1295.269	42.266	763.924	2.893%	62.683%
18.0	1165.029	40.565	804.489	2.777%	66.012%
19.0	1051.418	38.562	843.05	2.640%	69.176%
20.0	953.705	36.699	879.75	2.512%	72.187%
21.0	850.620	34.647	914.396	2.372%	75.030%
22.0	763.777	32.442	946.838	2.221%	77.692%
23.0	681.441	30.325	977.163	2.076%	80.180%
24.0	599.344	28.003	1005.165	1.917%	82.478%
25.0	528.174	25.637	1030.803	1.755%	84.582%
26.0	462.931	23.395	1054.198	1.601%	86.501%
27.0	395.775	21.008	1075.206	1.438%	88.225%
28.0	336.600	18.542	1093.748	1.269%	89.747%
29.0	274.521	15.989	1109.737	1.094%	91.058%
30.0	219.931	13.350	1123.087	.914%	92.154%
31.0	172.512	10.921	1134.008	.748%	93.050%
32.0	124.840	8.519	1142.527	.583%	93.749%
33.0	94.338	6.457	1148.984	.442%	94.279%
34.0	72.823	5.059	1154.043	.346%	94.694%
35.0	59.351	4.105	1158.148	.281%	95.031%
36.0	51.061	3.516	1161.663	.241%	95.319%
37.0	43.988	3.100	1164.763	.212%	95.574%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	37.828	2.731	1167.494	.187%	95.798%
39.0	32.927	2.415	1169.909	.165%	95.996%
40.0	28.779	2.152	1172.061	.147%	96.172%
41.0	25.362	1.928	1173.989	.132%	96.331%
42.0	22.486	1.738	1175.728	.119%	96.473%
43.0	20.046	1.576	1177.303	.108%	96.603%
44.0	18.225	1.444	1178.748	.099%	96.721%
45.0	16.657	1.341	1180.088	.092%	96.831%
46.0	15.321	1.251	1181.339	.086%	96.934%
47.0	14.288	1.178	1182.516	.081%	97.030%
48.0	13.479	1.122	1183.639	.077%	97.122%
49.0	12.741	1.077	1184.716	.074%	97.211%
50.0	12.122	1.037	1185.752	.071%	97.296%
51.0	11.616	1.004	1186.757	.069%	97.378%
52.0	11.180	0.978	1187.735	.067%	97.458%
53.0	10.786	0.956	1188.69	.065%	97.537%
54.0	10.456	0.936	1189.626	.064%	97.614%
55.0	10.196	0.922	1190.548	.063%	97.689%
56.0	9.957	0.911	1191.459	.062%	97.764%
57.0	9.759	0.901	1192.36	.062%	97.838%
58.0	9.605	0.895	1193.256	.061%	97.912%
59.0	9.471	0.892	1194.148	.061%	97.985%
60.0	9.331	0.888	1195.036	.061%	98.058%
61.0	9.218	0.885	1195.921	.061%	98.130%
62.0	9.106	0.883	1196.804	.060%	98.203%
63.0	9.035	0.882	1197.686	.060%	98.275%
64.0	8.930	0.882	1198.568	.060%	98.347%
65.0	8.838	0.879	1199.447	.060%	98.420%
66.0	8.761	0.878	1200.325	.060%	98.492%
67.0	8.663	0.876	1201.201	.060%	98.563%
68.0	8.536	0.871	1202.073	.060%	98.635%
69.0	8.389	0.863	1202.936	.059%	98.706%
70.0	8.206	0.852	1203.788	.058%	98.776%
71.0	8.079	0.842	1204.63	.058%	98.845%
72.0	7.917	0.832	1205.462	.057%	98.913%
73.0	7.756	0.820	1206.281	.056%	98.980%
74.0	7.615	0.808	1207.089	.055%	99.047%
75.0	7.474	0.797	1207.887	.055%	99.112%

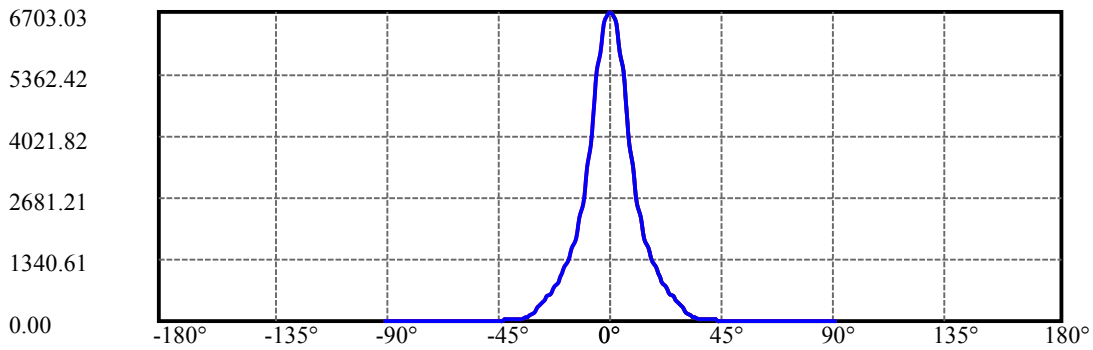
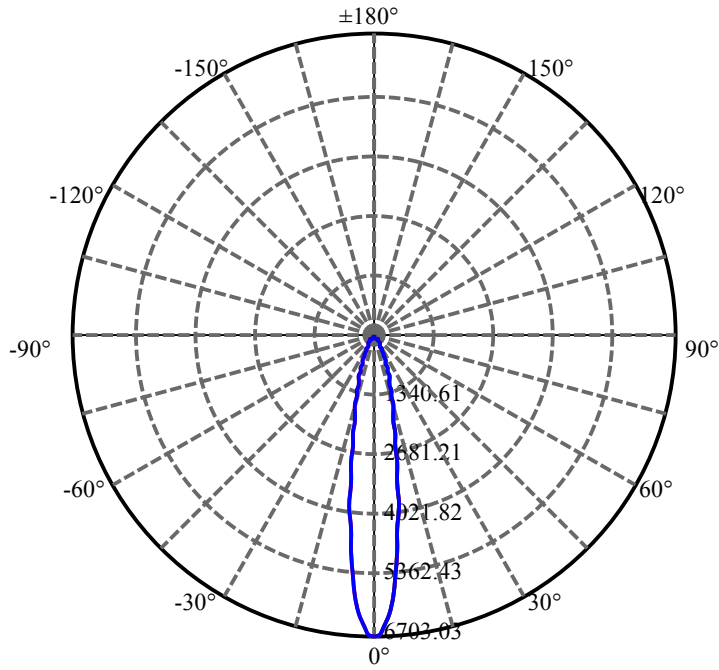
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.369	0.788	1208.675	.054%	99.177%
77.0	7.235	0.779	1209.453	.053%	99.241%
78.0	7.144	0.770	1210.223	.053%	99.304%
79.0	7.025	0.761	1210.984	.052%	99.366%
80.0	6.926	0.752	1211.736	.051%	99.428%
81.0	6.842	0.745	1212.481	.051%	99.489%
82.0	6.778	0.739	1213.219	.051%	99.550%
83.0	6.701	0.733	1213.952	.050%	99.610%
84.0	6.631	0.726	1214.678	.050%	99.669%
85.0	6.497	0.716	1215.395	.049%	99.728%
86.0	6.216	0.695	1216.09	.048%	99.785%
87.0	6.075	0.673	1216.762	.046%	99.840%
88.0	5.949	0.659	1217.421	.045%	99.894%
89.0	5.871	0.648	1218.069	.044%	99.948%
90.0	5.794	0.640	1218.708	.044%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1123.09	76.88%	92.15%
0-40	1172.06	80.23%	96.17%
0-60	1195.04	81.80%	98.06%
0-90	1218.07	83.38%	99.95%
0-120	1218.07	83.38%	99.95%
0-180	1218.71	83.42%	100.00%
60-90	23.92	1.64%	1.96%
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%
0-22.93	974.97	66.74%	80.00%

ZONAL LUMEN SUMMARY

0-10	427.64
10-20	452.11
20-30	243.34
30-40	48.97
40-50	13.69
50-60	9.28
60-70	8.75
70-80	7.95
80-90	6.33
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



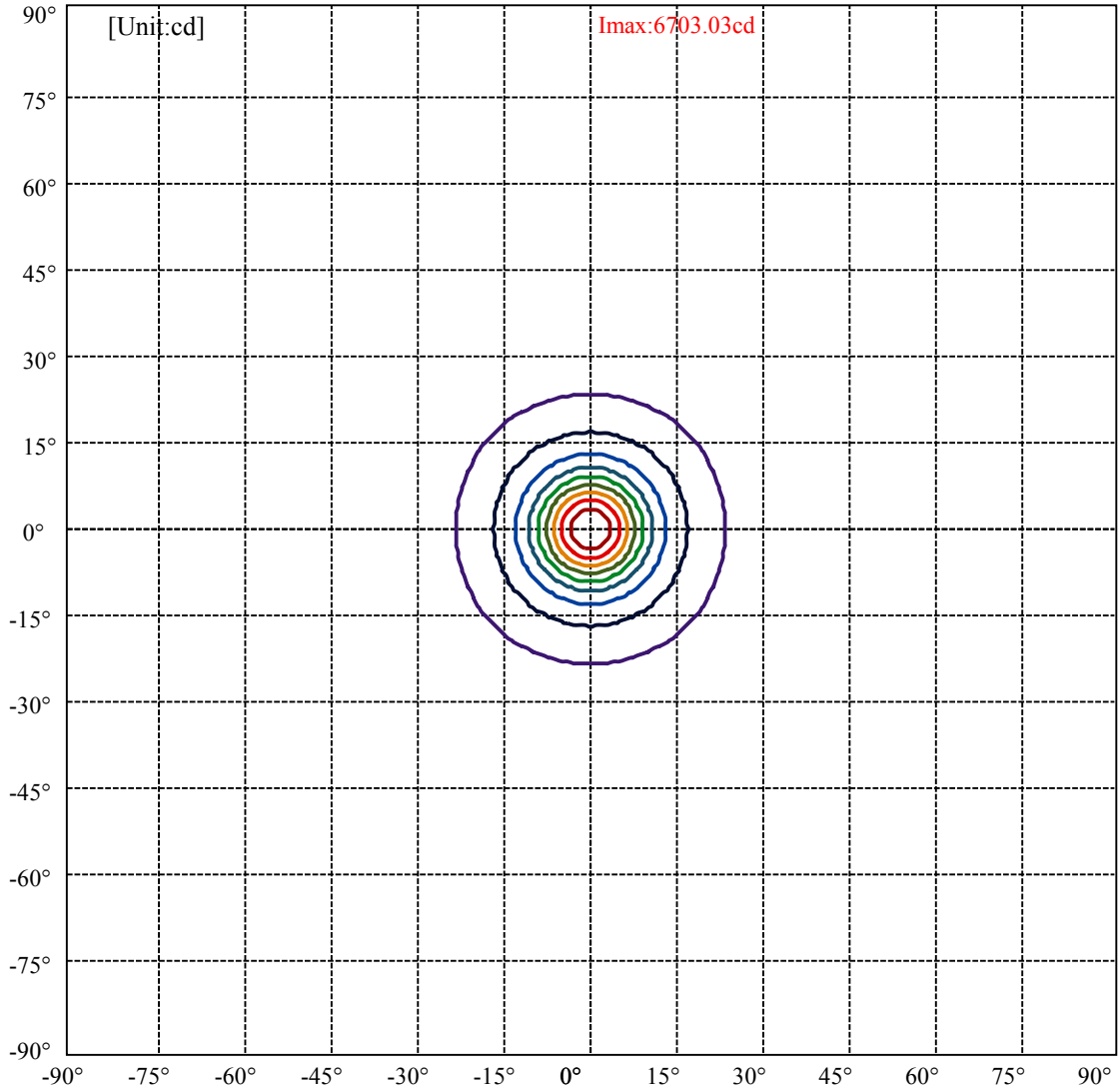
C0(Max): —————

C0/C180: —————

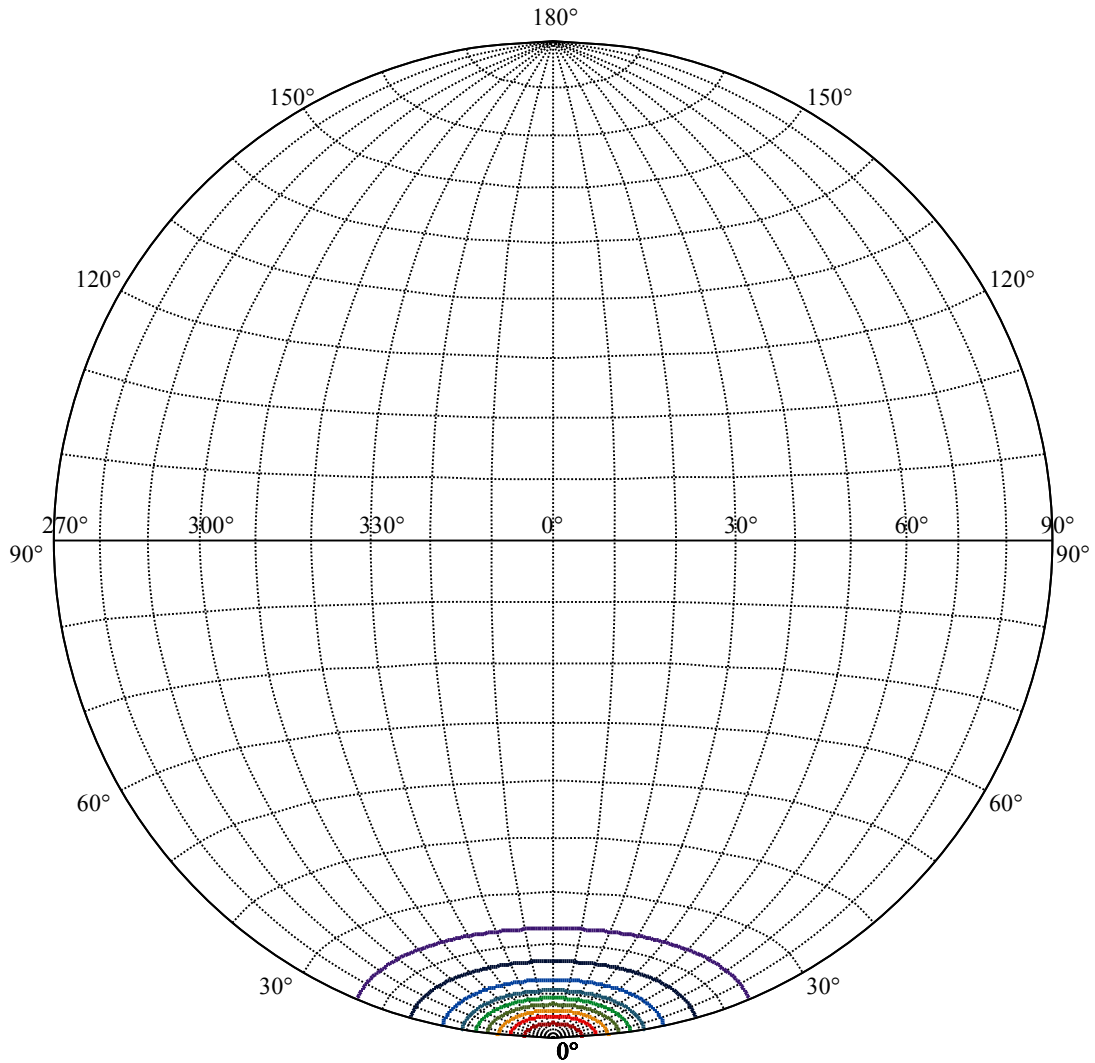
C90/C270: —————

Field angle(10%Imax):C0/180Left:23.1 Right:23.1
:C90/270Left:23.1 Right:23.1

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



(10%Imax) 670.303	—
(20%Imax) 1340.61	—
(30%Imax) 2010.91	—
(40%Imax) 2681.21	—
(50%Imax) 3351.52	—
(60%Imax) 4021.82	—
(70%Imax) 4692.12	—
(80%Imax) 5362.42	—
(90%Imax) 6032.73	—



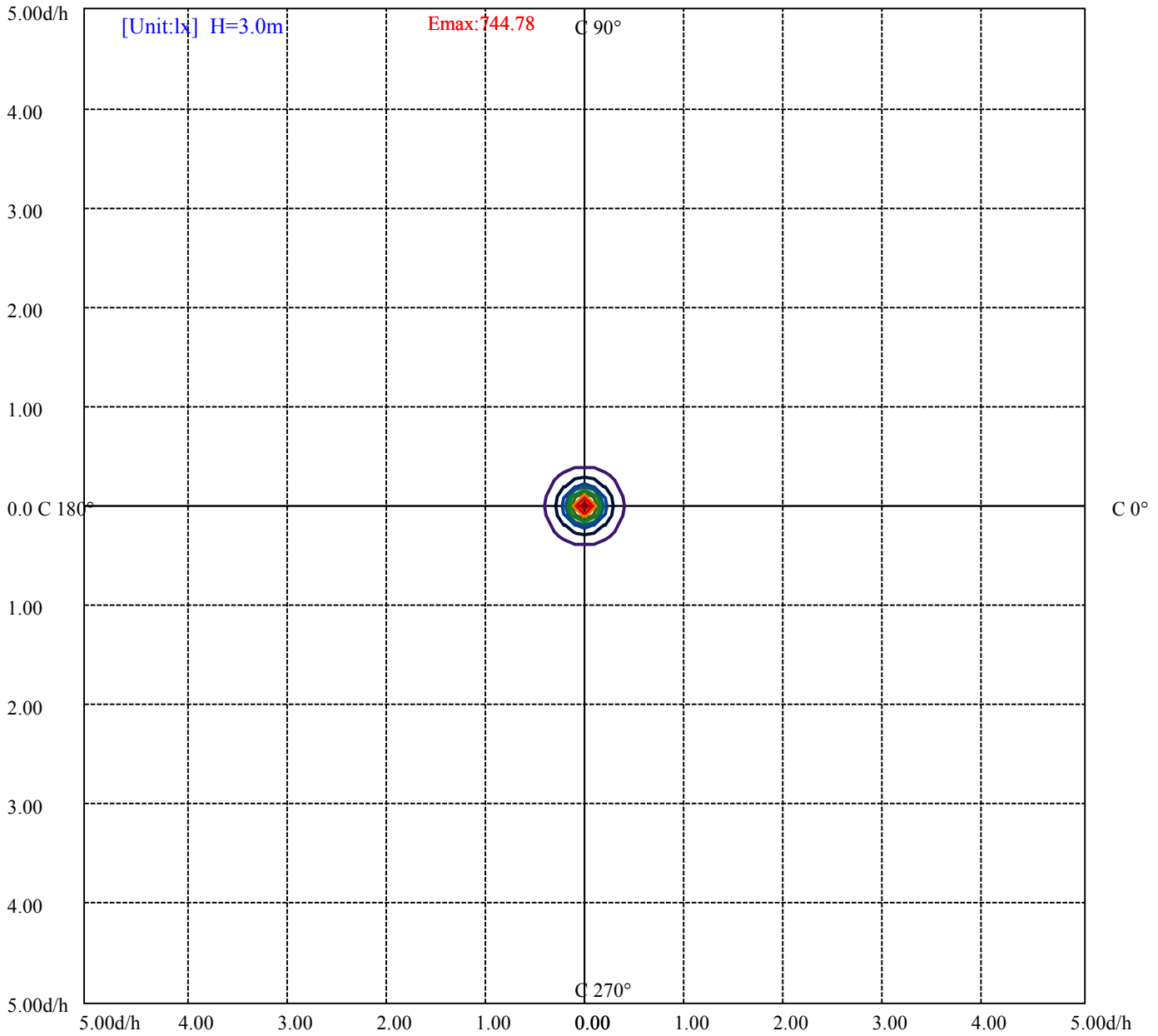
House

[Unit:cd]

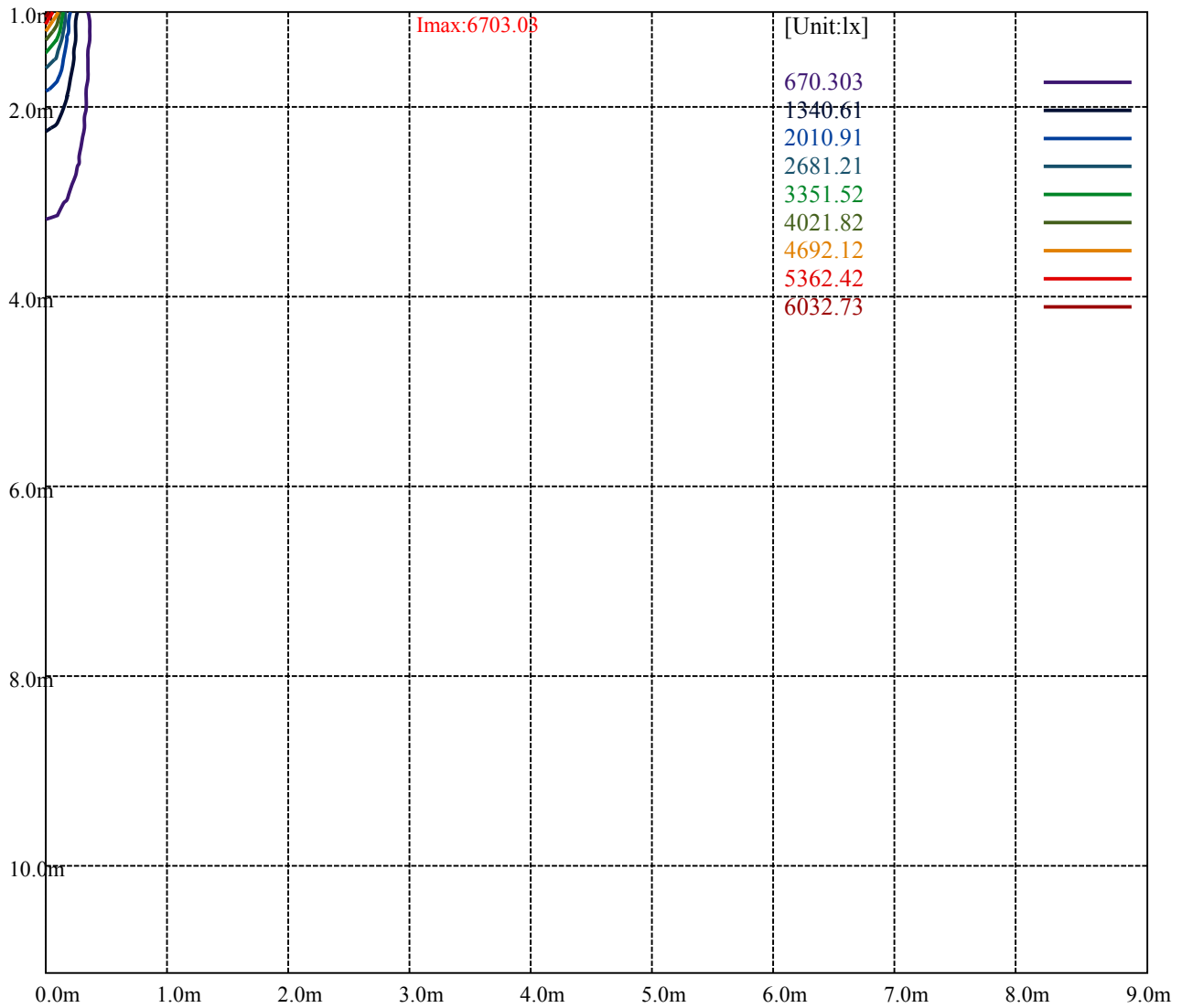
Road

Imax:6703.03

(10%Imax) 670.303	—
(20%Imax) 1340.61	—
(30%Imax) 2010.91	—
(40%Imax) 2681.21	—
(50%Imax) 3351.52	—
(60%Imax) 4021.82	—
(70%Imax) 4692.12	—
(80%Imax) 5362.42	—
(90%Imax) 6032.73	—



- (10%Emax) 74.478
- (20%Emax) 148.9556
- (30%Emax) 223.4344
- (40%Emax) 297.9122
- (50%Emax) 372.39
- (60%Emax) 446.8678
- (70%Emax) 521.3467
- (80%Emax) 595.8245
- (90%Emax) 670.3022



Luminance Table

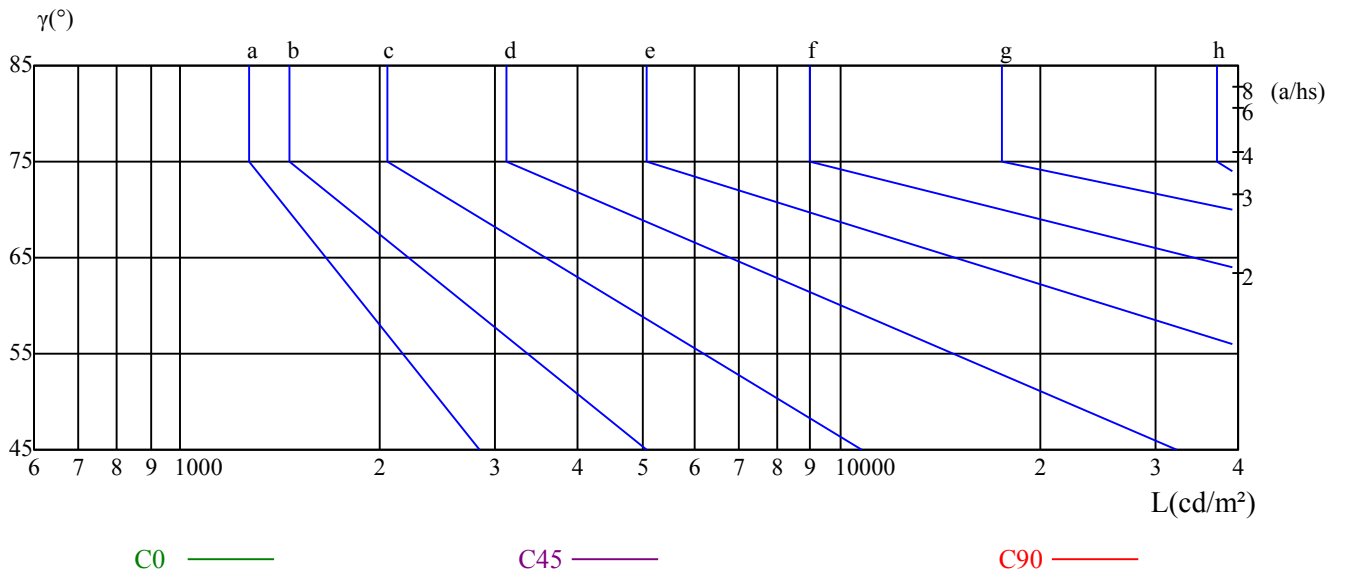
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

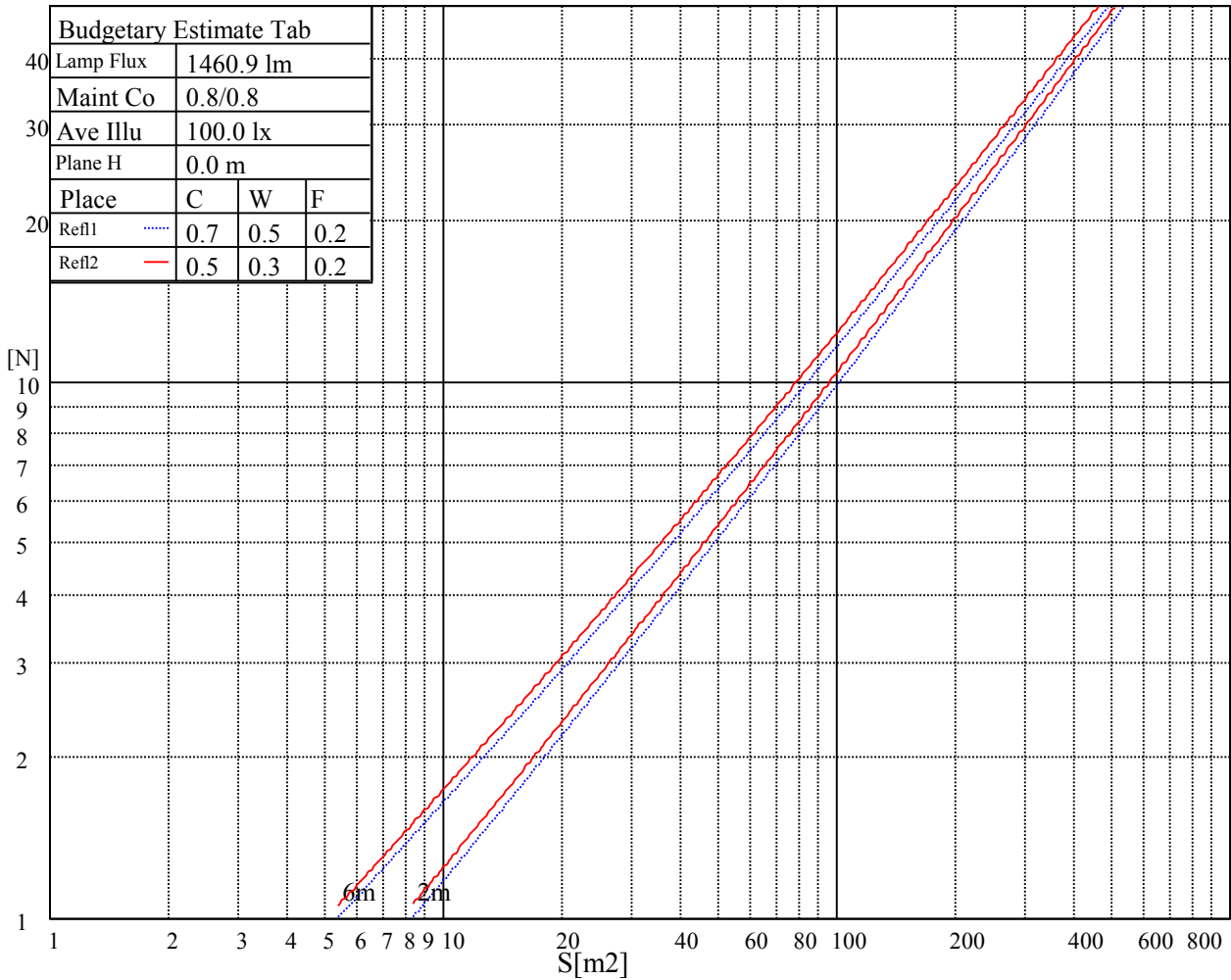
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

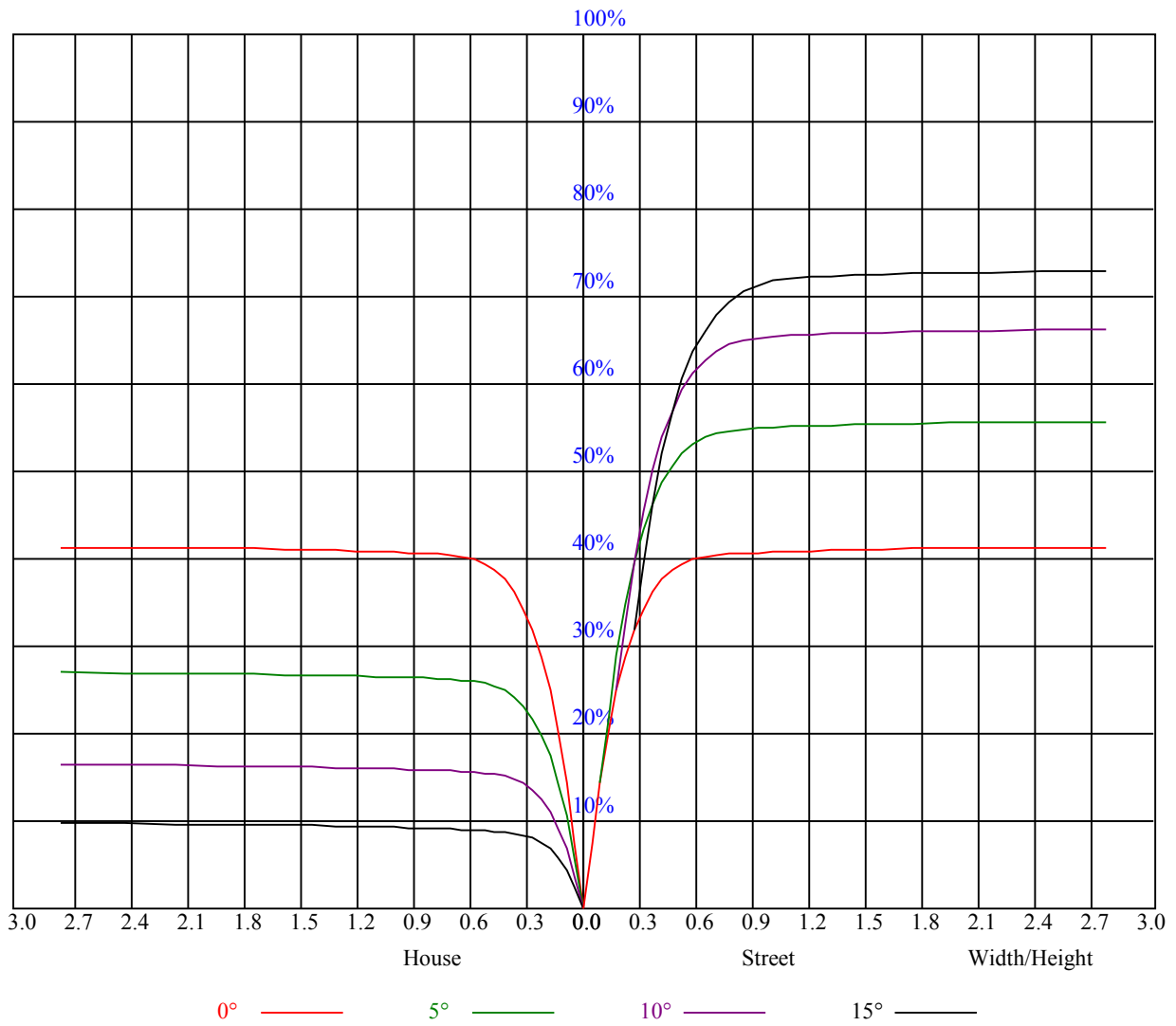


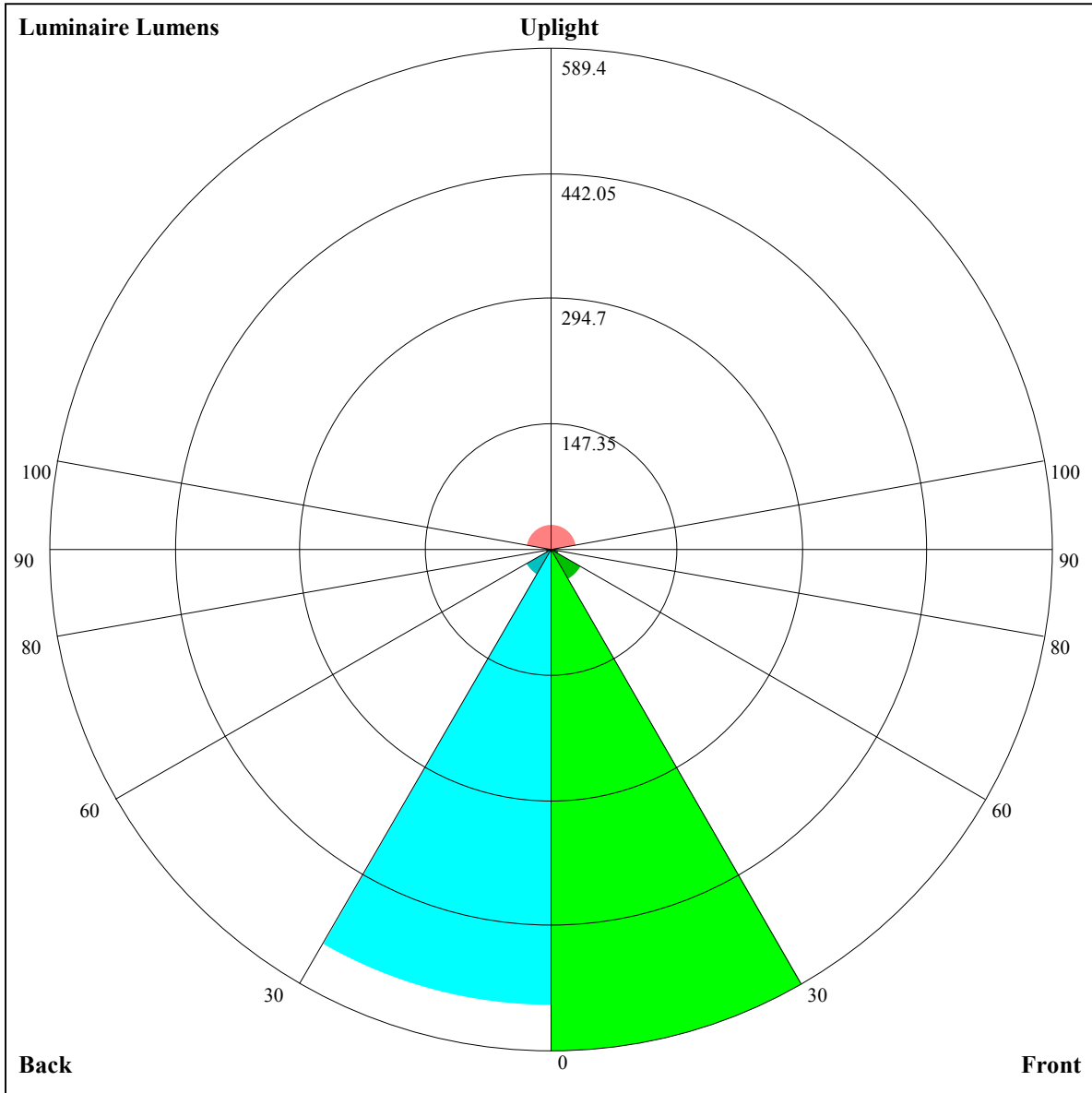
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.94	0.92	0.90	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.80
2	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.78	0.76
3	0.85	0.81	0.79	0.84	0.81	0.78	0.81	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.74
4	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.68	0.71	0.69	0.67	0.66
7	0.72	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.60	0.59





Luminaire Lumens:

FL=589.4,FM=39.67,FH=8.41,FVH=3.53

BL=536.04,BM=34.04,BH=8.32,BVH=3.46

UL=6.32,UH=30.08

BUG Rating:B2-U2-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	6684.75	6756.19	6712.88	6522.75	6271.88	5929.88	5391.56	4925.25	4417.31
45.0	6732.00	6824.81	6778.13	6608.81	6329.81	5987.25	5571.00	4962.94	4430.81
90.0	6644.81	6786.56	6813.56	6700.50	6505.31	6165.00	5734.69	5270.63	4834.13
135.0	6750.56	6721.31	6561.00	6280.31	5955.19	5542.88	4957.31	4426.88	3921.19
180.0	6684.75	6491.25	6215.63	5817.38	5322.38	4858.88	4276.13	3700.13	3231.00
225.0	6732.00	6552.00	6273.00	5806.69	5352.75	4813.31	4241.81	3719.81	3230.44
270.0	6644.81	6381.00	6052.50	5583.94	5058.56	4573.13	4063.50	3425.63	2989.13
315.0	6750.56	6665.63	6468.75	6164.44	5740.31	5283.00	4694.06	4194.56	3699.00
360.0	6684.75	6756.19	6712.88	6522.75	6271.88	5929.88	5391.56	4925.25	4417.31
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3800.81	3330.00	2927.81	2539.69	2224.13	1989.00	1765.13	1598.63	1434.94
45.0	3915.56	3310.31	2889.00	2534.06	2235.94	1946.25	1756.69	1558.69	1432.69
90.0	4106.81	3616.88	3155.06	2715.75	2355.19	2120.06	1855.69	1657.13	1527.75
135.0	3331.13	2910.38	2559.94	2239.88	1980.56	1793.25	1607.63	1469.25	1325.25
180.0	2825.44	2415.94	2151.56	1936.13	1710.56	1559.25	1420.31	1284.19	1114.31
225.0	2743.88	2419.31	2144.25	1896.19	1694.25	1541.81	1389.94	1258.31	1151.44
270.0	2628.00	2256.75	2019.38	1819.13	1648.69	1466.44	1335.38	1121.85	1096.09
315.0	3241.69	2759.06	2439.56	2172.94	1924.31	1719.00	1561.50	1402.88	1279.69
360.0	3800.81	3330.00	2927.81	2539.69	2224.13	1989.00	1765.13	1598.63	1434.94
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1293.75	1181.81	1065.38	955.69	862.88	776.81	681.75	611.44	542.25
45.0	1295.44	1114.82	1064.87	954.90	860.29	762.41	684.34	607.61	531.68
90.0	1360.13	1243.13	1123.31	1008.56	913.50	812.25	719.44	648.56	576.56
135.0	1193.63	1087.88	977.06	870.75	780.75	703.69	605.25	538.31	474.19
180.0	1048.67	925.48	843.02	746.33	663.98	594.96	515.70	442.91	384.81
225.0	1035.56	936.00	831.38	735.19	659.25	582.19	504.56	446.06	386.44
270.0	978.75	882.00	780.64	691.43	621.84	543.38	478.29	412.09	351.00
315.0	1114.31	1040.23	943.99	842.12	747.73	675.84	605.42	518.40	456.53
360.0	1293.75	1181.81	1065.38	955.69	862.88	776.81	681.75	611.44	542.25
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	465.19	398.81	342.56	289.69	222.86	172.63	128.70	91.24	71.10
45.0	466.37	405.11	332.72	276.58	223.14	162.00	120.21	89.78	68.62
90.0	490.50	427.50	369.56	307.13	286.88	193.61	141.36	100.18	77.01
135.0	409.50	338.06	288.56	221.23	165.26	122.01	87.02	67.89	57.99
180.0	327.77	259.71	207.51	157.89	111.38	79.48	66.09	57.15	48.99
225.0	311.63	285.75	203.06	152.33	106.59	80.16	65.14	56.31	48.77
270.0	298.91	247.28	184.50	138.49	101.08	72.45	62.33	53.72	45.56
315.0	396.34	330.58	267.69	216.11	162.90	116.38	83.87	66.32	56.76
360.0	465.19	398.81	342.56	289.69	222.86	172.63	128.70	91.24	71.10
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	62.94	52.59	45.51	39.43	33.36	29.42	25.99	22.61	20.25
45.0	58.50	51.19	43.37	37.35	32.85	28.58	25.54	22.61	20.08
90.0	64.63	56.25	47.59	40.61	35.49	31.16	26.89	24.08	21.60
135.0	50.79	43.14	36.51	32.40	28.46	24.98	21.88	19.46	17.83
180.0	42.58	36.79	32.23	28.18	25.03	21.94	19.80	17.66	16.31
225.0	42.02	37.07	32.34	28.24	25.14	22.33	19.69	18.06	16.76
270.0	39.09	33.92	29.64	25.93	23.12	20.70	18.73	17.10	15.69
315.0	47.93	40.95	35.44	31.28	26.78	23.79	21.38	18.79	17.27
360.0	62.94	52.59	45.51	39.43	33.36	29.42	25.99	22.61	20.25

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	18.45	16.65	15.41	14.46	13.50	12.77	12.21	11.64	11.19
45.0	18.23	16.54	15.19	14.18	13.39	12.54	11.98	11.48	11.03
90.0	19.13	17.44	16.14	14.91	13.95	13.16	12.49	11.98	11.48
135.0	16.37	14.91	14.01	13.28	12.49	11.98	11.53	11.03	10.63
180.0	15.13	14.12	13.28	12.71	12.15	11.53	11.08	10.74	10.41
225.0	15.36	14.40	13.61	12.94	12.21	11.76	11.31	10.97	10.58
270.0	14.68	13.84	12.99	12.38	11.93	11.42	11.03	10.69	10.41
315.0	15.92	14.68	13.67	12.99	12.32	11.81	11.31	10.91	10.58
360.0	18.45	16.65	15.41	14.46	13.50	12.77	12.21	11.64	11.19
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.86	10.46	10.24	9.96	9.79	9.62	9.45	9.28	9.17
45.0	10.63	10.35	10.01	9.84	9.62	9.45	9.28	9.17	9.00
90.0	11.03	10.74	10.41	10.13	9.96	9.79	9.56	9.45	9.28
135.0	10.35	10.07	9.84	9.68	9.51	9.39	9.23	9.17	9.11
180.0	10.13	9.90	9.68	9.51	9.39	9.28	9.17	9.11	9.00
225.0	10.29	10.07	9.84	9.68	9.56	9.45	9.34	9.23	9.11
270.0	10.13	9.96	9.79	9.62	9.51	9.39	9.34	9.23	9.11
315.0	10.24	10.01	9.84	9.68	9.51	9.39	9.28	9.11	9.06
360.0	10.86	10.46	10.24	9.96	9.79	9.62	9.45	9.28	9.17
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.17	9.00	8.94	8.89	8.83	8.78	8.61	8.44	8.33
45.0	8.94	8.89	8.78	8.78	8.72	8.66	8.49	8.33	8.27
90.0	9.23	9.11	9.06	8.94	8.89	8.83	8.72	8.55	8.49
135.0	9.00	8.89	8.83	8.72	8.66	8.49	8.44	8.21	7.99
180.0	8.94	8.83	8.72	8.66	8.49	8.33	8.16	7.99	7.88
225.0	9.00	8.89	8.78	8.72	8.55	8.38	8.21	7.99	7.88
270.0	9.06	8.94	8.83	8.72	8.55	8.38	8.21	8.04	7.88
315.0	8.94	8.89	8.78	8.66	8.61	8.44	8.27	8.10	7.93
360.0	9.17	9.00	8.94	8.89	8.83	8.78	8.61	8.44	8.33
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.16	7.99	7.82	7.65	7.59	7.48	7.43	7.31	7.26
45.0	8.04	7.88	7.71	7.59	7.43	7.31	7.20	7.09	6.98
90.0	8.27	8.10	7.93	7.71	7.65	7.48	7.37	7.26	7.14
135.0	7.93	7.71	7.59	7.43	7.31	7.14	7.09	6.98	6.86
180.0	7.71	7.59	7.48	7.31	7.26	7.14	7.03	6.92	6.86
225.0	7.76	7.59	7.48	7.37	7.26	7.14	7.03	6.86	6.81
270.0	7.71	7.59	7.43	7.37	7.26	7.09	6.98	6.92	6.75
315.0	7.76	7.59	7.48	7.37	7.20	7.09	7.03	6.86	6.75
360.0	8.16	7.99	7.82	7.65	7.59	7.48	7.43	7.31	7.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.14	7.20	7.31	7.48	7.54	6.30	6.13	6.02	5.96
45.0	6.86	6.81	6.64	6.58	6.47	6.30	6.19	6.13	5.96
90.0	7.03	6.92	6.81	6.69	6.58	6.47	6.36	6.24	6.13
135.0	6.69	6.64	6.53	6.47	6.36	6.19	6.08	5.91	5.79
180.0	6.92	6.92	6.86	6.64	6.24	6.08	5.96	5.74	5.74
225.0	6.69	6.58	6.53	6.41	6.30	6.13	5.96	5.79	5.79
270.0	6.69	6.58	6.47	6.41	6.24	6.13	5.91	5.85	5.85
315.0	6.69	6.58	6.47	6.36	6.24	6.13	6.02	5.91	5.74
360.0	7.14	7.20	7.31	7.48	7.54	6.30	6.13	6.02	5.96

Intensity data(cd)

C/γ(°)	90.0
0.0	5.79
45.0	5.85
90.0	5.96
135.0	5.68
180.0	5.68
225.0	5.79
270.0	5.85
315.0	5.74
360.0	5.79