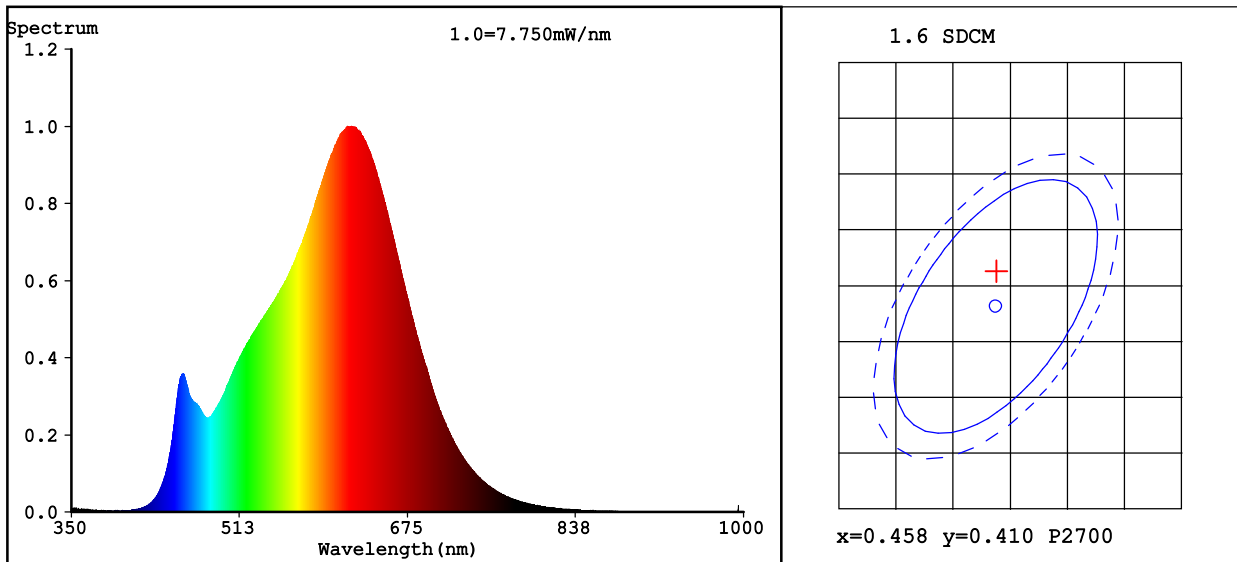


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4579$ $y=0.4132$ / $u'=0.2600$ $v'=0.5280$
 CCT=2749K (Duv=0.0011) Dominant WL:Ld =583.6nm Purity=61.5%
 Ratio:R=26.0% G=71.2% B=2.8% Peak WL:Lp=620.8nm FWHM=145.4nm
 Render Index:Ra=92.5
 R1 =93 R2 =98 R3 =98 R4 =92 R5 =93 R6 =98 R7 =90
 R8 =79 R9 =56 R10=95 R11=93 R12=84 R13=95 R14=100 R15=88

Photo Parameters:

Flux = 359.8 lm Eff. : 99.70 lm/W Fe = 1.257 W

Electrical parameters:

V = 120.02 V I = 0.03884 A P = 3.609 W PF = 0.7759

Status: Integral T = 1846 ms Ip = 50608 (77%)

Model:G16.5-3-E26-927-F-C	Number:1
Tester:XXL	Date:2018-09-14
Temperature:25.0Deg	Humidity:65.0%
Manufacturer:RAB Lighting Inc.	Remarks:

Client:RAB Lighting Inc.

LumCAT: G16.5-3-E26-927-F-C

Luminaire:

Report No:

Voltage(V): 120.1000

Test No: 253501-01-001

Current(A): 0.0390

LampCAT:

Power (W): 3.5990

Lamp flux(lm)

PF: 0.7717

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 442.58

Lumens(lm)/Power(W): 122.97

Central intensity(cd): 7.674

Maximum intensity(cd): 57.400

Angle of maximum intensity: C=180.0 γ =95.0

Beam Angle(50%Imax): [C0/180]Total=264.6

[C90/270]Total=265.2

Field angle(10%Imax): [C0/180]Total=300.6

[C90/270]Total=325.2

Maximum s/h(1/2): C0_180=4.19 C90_270=7.59

Maximum s/h(1/4): C0_180=3.99 C90_270=7.25

Up flux rate of LUM(%): 45.62%

Down flux rate of LUM(%): 54.38%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 21.642%

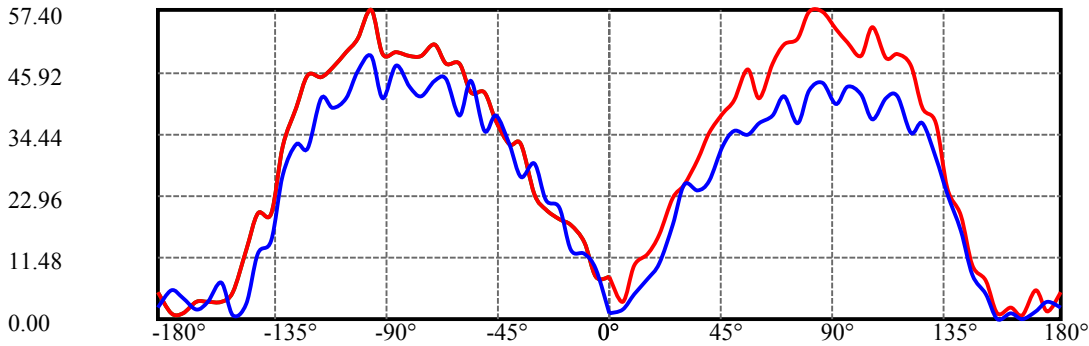
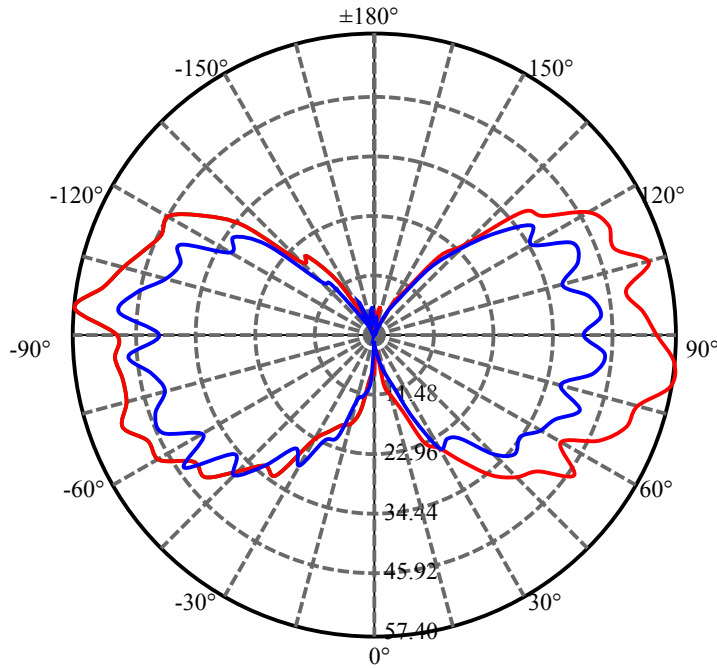
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4.451	0.000	0	.000%	.000%
5.0	5.525	0.119	0.119	.027%	.027%
10.0	10.206	0.563	0.682	.127%	.154%
15.0	12.508	1.347	2.029	.304%	.459%
20.0	16.268	2.372	4.401	.536%	.994%
25.0	20.566	3.863	8.264	.873%	1.867%
30.0	25.477	5.827	14.091	1.317%	3.184%
35.0	28.086	7.888	21.978	1.782%	4.966%
40.0	31.386	9.922	31.901	2.242%	7.208%
45.0	36.143	12.504	44.404	2.825%	10.033%
50.0	38.139	15.010	59.414	3.391%	13.424%
55.0	41.669	17.353	76.767	3.921%	17.345%
60.0	40.594	19.015	95.782	4.296%	21.642%
65.0	44.278	20.632	116.414	4.662%	26.303%
70.0	46.887	23.083	139.498	5.216%	31.519%
75.0	44.661	23.929	163.427	5.407%	36.926%
80.0	47.808	24.742	188.169	5.590%	42.516%
85.0	49.419	26.419	214.588	5.969%	48.486%
90.0	45.889	26.096	240.684	5.896%	54.382%
95.0	50.186	26.306	266.99	5.944%	60.326%
100.0	47.194	26.460	293.45	5.979%	66.304%
105.0	45.505	24.804	318.254	5.604%	71.909%
110.0	43.894	23.368	341.622	5.280%	77.189%
115.0	44.047	22.267	363.889	5.031%	82.220%
120.0	39.597	20.334	384.223	4.594%	86.814%
125.0	36.911	17.684	401.907	3.996%	90.810%
130.0	31.386	14.850	416.757	3.355%	94.165%
135.0	20.489	10.482	427.239	2.368%	96.534%
140.0	16.959	6.934	434.173	1.567%	98.100%
145.0	8.441	4.238	438.411	.958%	99.058%
150.0	4.297	1.876	440.287	.424%	99.482%
155.0	2.763	0.893	441.18	.202%	99.684%
160.0	2.379	0.539	441.719	.122%	99.805%
165.0	1.381	0.310	442.029	.070%	99.875%
170.0	3.070	0.264	442.293	.060%	99.935%
175.0	2.839	0.211	442.505	.048%	99.983%
180.0	3.530	0.076	442.581	.017%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	14.09	3.18%
0-40	31.90	7.21%
0-60	95.78	21.64%
0-90	240.68	54.38%
0-120	384.22	86.81%
0-180	442.58	100.00%
60-90	163.92	37.04%
90-120	169.64	38.33%
90-130	202.17	45.68%
90-150	225.70	51.00%
90-180	227.92	51.50%
0-112.79	354.06	80.00%

ZONAL LUMEN SUMMARY

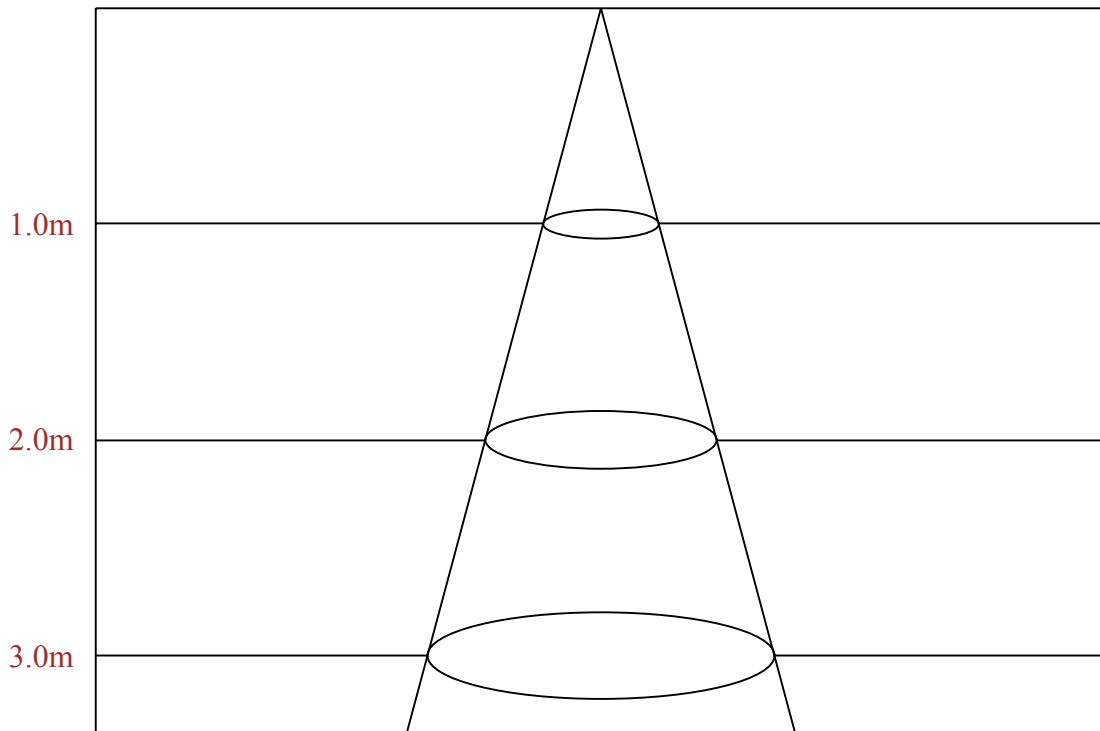
0-10	0.68
10-20	3.72
20-30	9.69
30-40	17.81
40-50	27.51
50-60	36.37
60-70	43.72
70-80	48.67
80-90	52.51
90-100	52.77
100-110	48.17
110-120	42.60
120-130	32.53
130-140	17.42
140-150	6.11
150-160	1.43
160-170	0.57
170-180	0.21



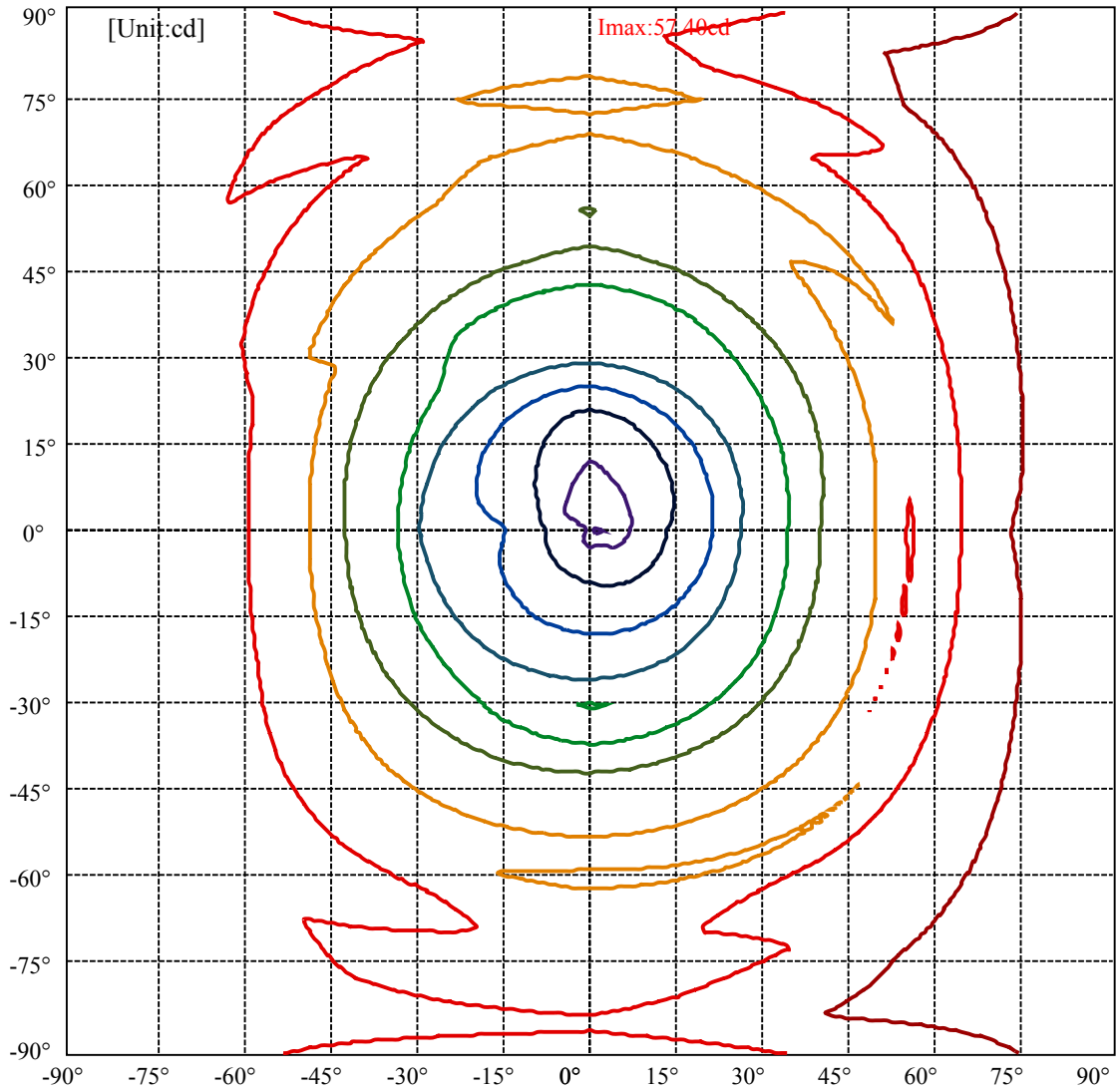
C180(Max): ———
 C0/C180: ———
 C90/C270: ———










Field angle(10%Imax):C0/180Left:54.5 Right:246.1
 :C90/270Left:80.6 Right:244.6

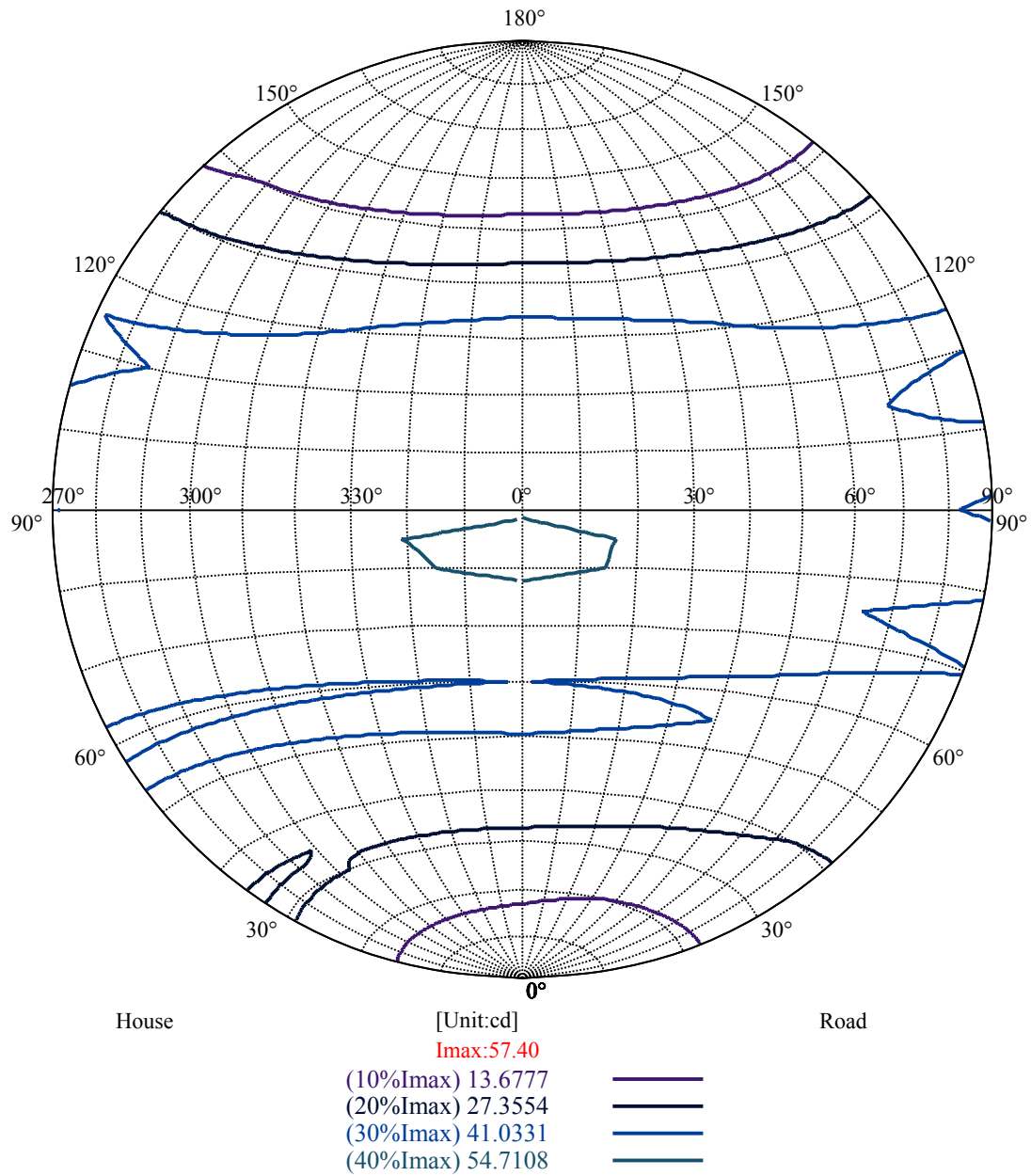
Beam Angle(50%Imax):C0/180Left:36.4 Right:228.2
 :C90/270Left:36.0 Right:229.2

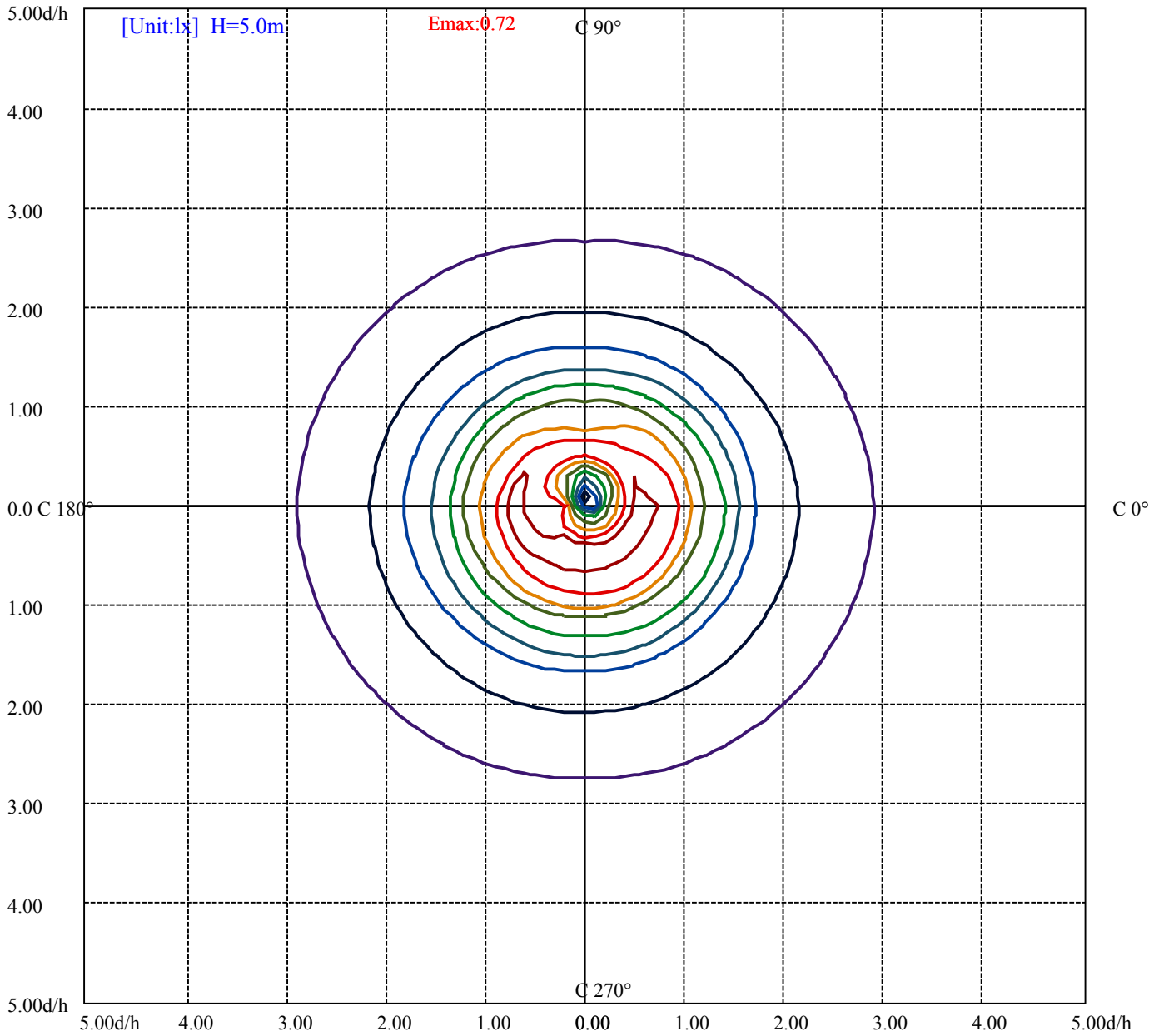


Max , Ave Beam angle of C180 plane 184.91

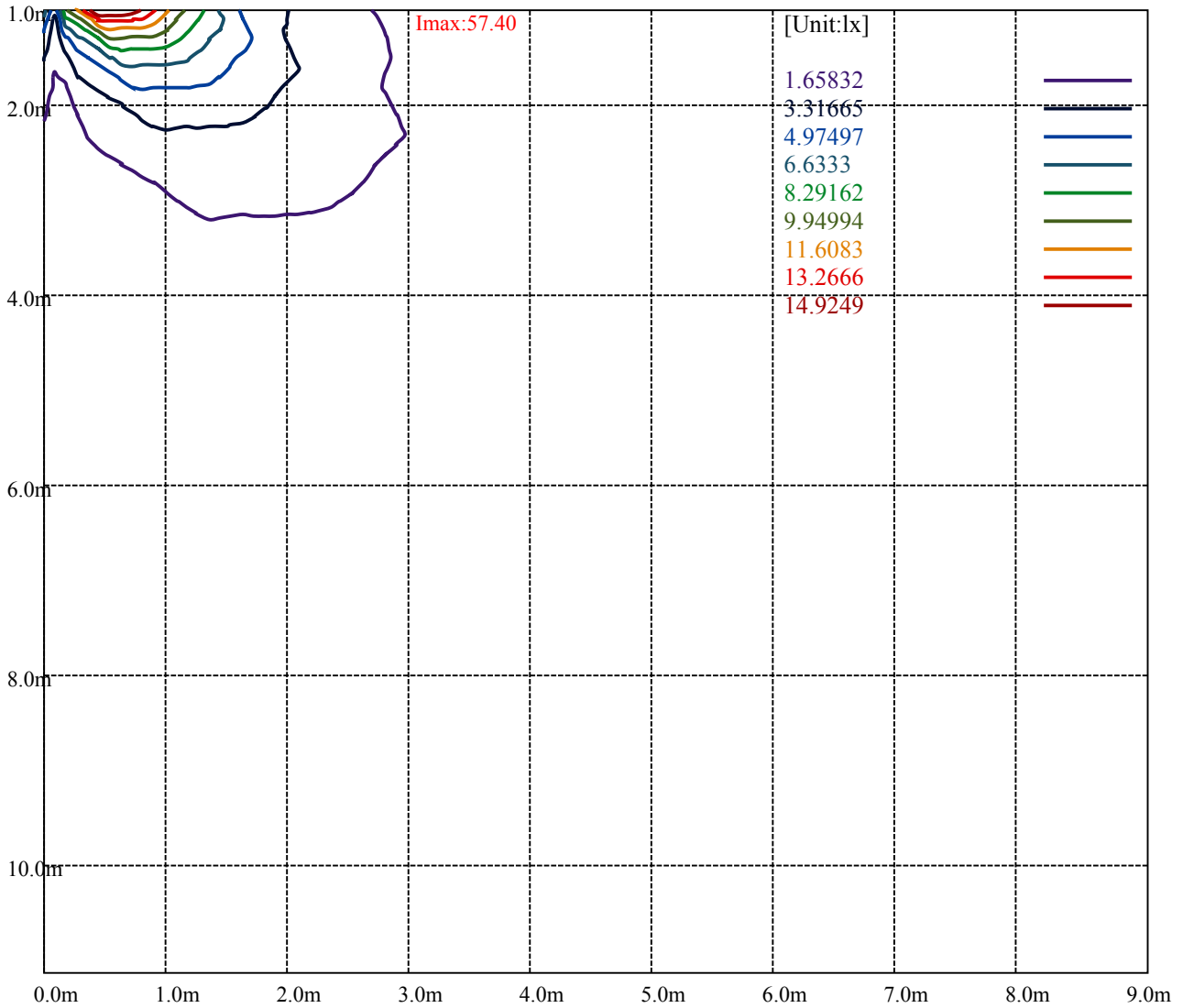


(10%Imax) 5.70928	
(20%Imax) 11.4186	
(30%Imax) 17.1278	
(40%Imax) 22.8371	
(50%Imax) 28.5464	
(60%Imax) 34.2557	
(70%Imax) 39.9649	
(80%Imax) 45.6742	
(90%Imax) 51.3835	





(10%Emax) 0.0715676	—
(20%Emax) 0.1431356	—
(30%Emax) 0.2147032	—
(40%Emax) 0.2862712	—
(50%Emax) 0.3578388	—
(60%Emax) 0.429408	—
(70%Emax) 0.500976	—
(80%Emax) 0.572544	—
(90%Emax) 0.644112	—



G50-1CD 3.8W 120V 2700K E26

Luminance Limiting Curve(no luminous side)

Luminance Table

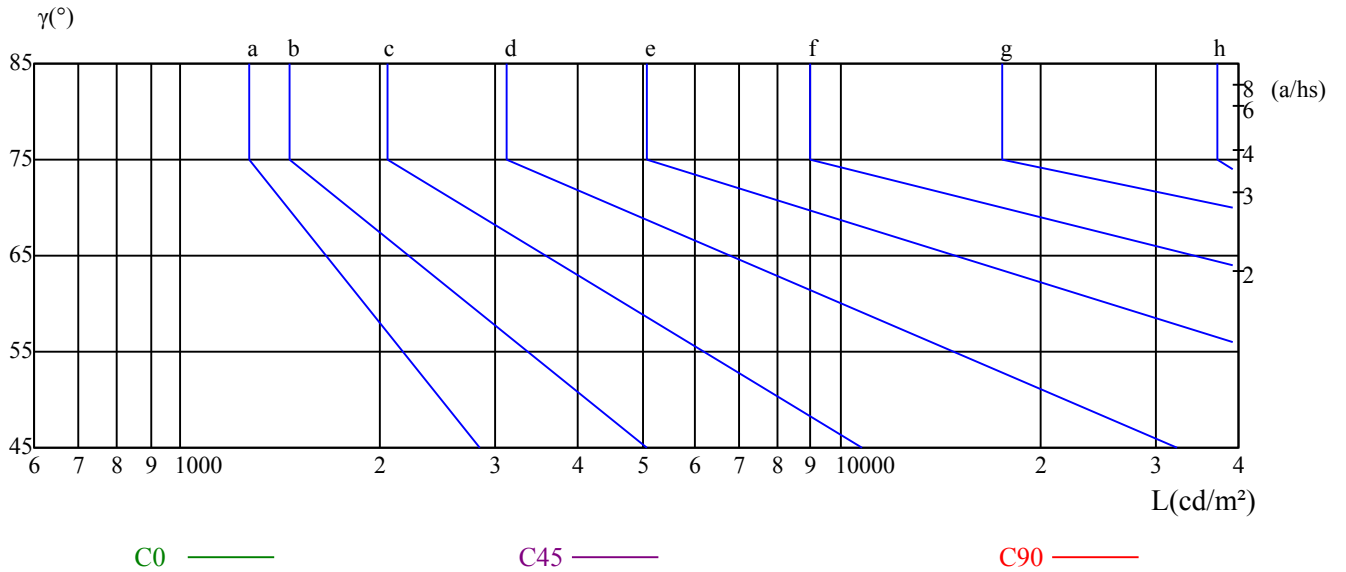
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

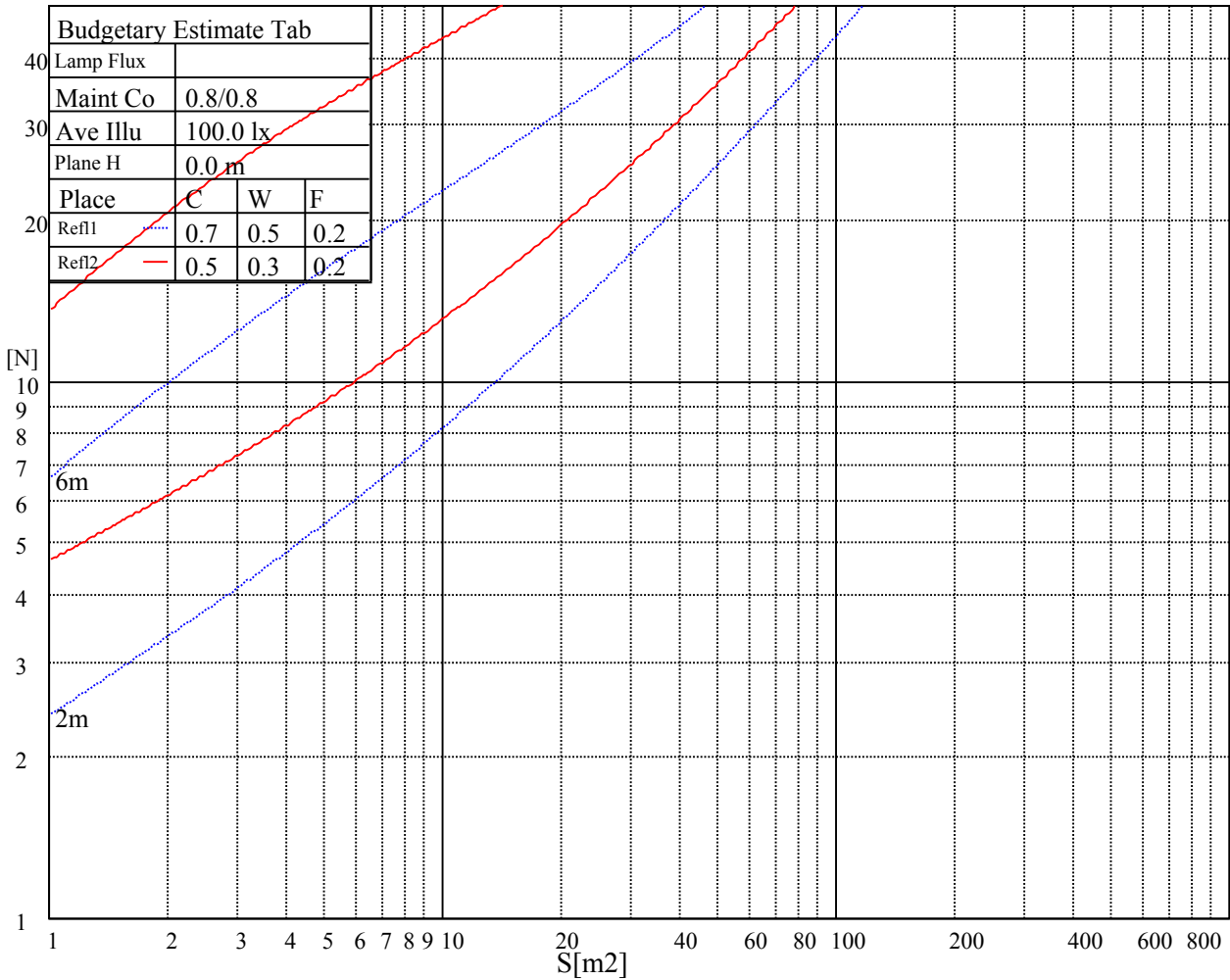
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

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





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 _C =20 CU															
0	1.08	1.08	1.08	1.00	1.00	1.00	0.86	0.86	0.86	0.72	0.72	0.72	0.60	0.60	0.60	0.54
1	0.86	0.80	0.74	0.79	0.73	0.68	0.66	0.62	0.58	0.54	0.51	0.48	0.44	0.41	0.39	0.33
2	0.72	0.63	0.56	0.66	0.58	0.51	0.55	0.49	0.43	0.44	0.40	0.36	0.35	0.31	0.28	0.23
3	0.61	0.51	0.44	0.56	0.47	0.40	0.46	0.39	0.34	0.37	0.32	0.27	0.29	0.25	0.21	0.17
4	0.53	0.43	0.35	0.48	0.39	0.32	0.40	0.33	0.27	0.32	0.26	0.22	0.25	0.20	0.17	0.13
5	0.46	0.36	0.29	0.42	0.33	0.27	0.35	0.28	0.22	0.28	0.22	0.18	0.22	0.17	0.14	0.10
6	0.41	0.31	0.24	0.37	0.29	0.22	0.31	0.24	0.19	0.25	0.19	0.15	0.19	0.15	0.11	0.08
7	0.36	0.27	0.21	0.33	0.25	0.19	0.28	0.21	0.16	0.22	0.17	0.13	0.17	0.13	0.09	0.07
8	0.33	0.24	0.18	0.30	0.22	0.16	0.25	0.18	0.14	0.20	0.15	0.11	0.16	0.11	0.08	0.06
9	0.30	0.21	0.15	0.27	0.19	0.14	0.23	0.16	0.12	0.18	0.13	0.09	0.14	0.10	0.07	0.05
10	0.27	0.19	0.14	0.25	0.17	0.12	0.21	0.15	0.10	0.17	0.12	0.08	0.13	0.09	0.06	0.04

G50-1CD 3.8W 120V 2700K E26

Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	7.67	3.07	9.82	12.28	15.65	22.41	24.86	29.47	34.69
90.0	1.23	1.84	4.60	7.37	10.44	17.50	24.86	23.94	25.78
180.0	7.67	7.98	14.43	17.50	18.42	20.26	23.33	32.54	32.54
270.0	1.23	9.21	11.97	12.89	20.57	22.10	28.85	26.40	32.54
360.0	7.67	3.07	9.82	12.28	15.65	22.41	24.86	29.47	34.69
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	38.06	40.52	46.35	41.13	47.27	50.95	51.87	57.09	57.09
90.0	31.92	34.99	34.07	36.22	37.75	41.44	36.53	42.36	43.89
180.0	36.83	42.05	42.05	47.27	47.58	50.95	48.81	48.81	49.73
270.0	37.75	34.99	44.20	37.75	44.51	44.20	41.44	42.97	46.96
360.0	38.06	40.52	46.35	41.13	47.27	50.95	51.87	57.09	57.09
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	53.72	51.26	48.81	54.02	48.50	49.11	46.96	39.29	36.53
90.0	39.90	43.28	41.75	37.14	41.13	41.44	34.69	36.53	30.08
180.0	49.11	57.40	52.18	49.73	46.66	44.81	45.12	39.29	32.23
270.0	40.82	48.81	46.04	41.13	39.29	40.82	31.62	32.54	26.70
360.0	53.72	51.26	48.81	54.02	48.50	49.11	46.96	39.29	36.53
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	24.25	19.34	9.82	7.06	1.23	2.15	0.61	5.53	1.53
90.0	23.33	16.58	8.29	4.60	0.00	0.92	0.00	1.53	3.38
180.0	19.64	19.64	12.89	4.91	3.07	3.38	3.07	1.23	1.23
270.0	14.73	12.28	2.76	0.61	6.75	3.07	1.84	3.99	5.22
360.0	24.25	19.34	9.82	7.06	1.23	2.15	0.61	5.53	1.53
C/γ(°)	180.0								
0.0	4.91								
90.0	2.15								
180.0	4.91								
270.0	2.15								
360.0	4.91								