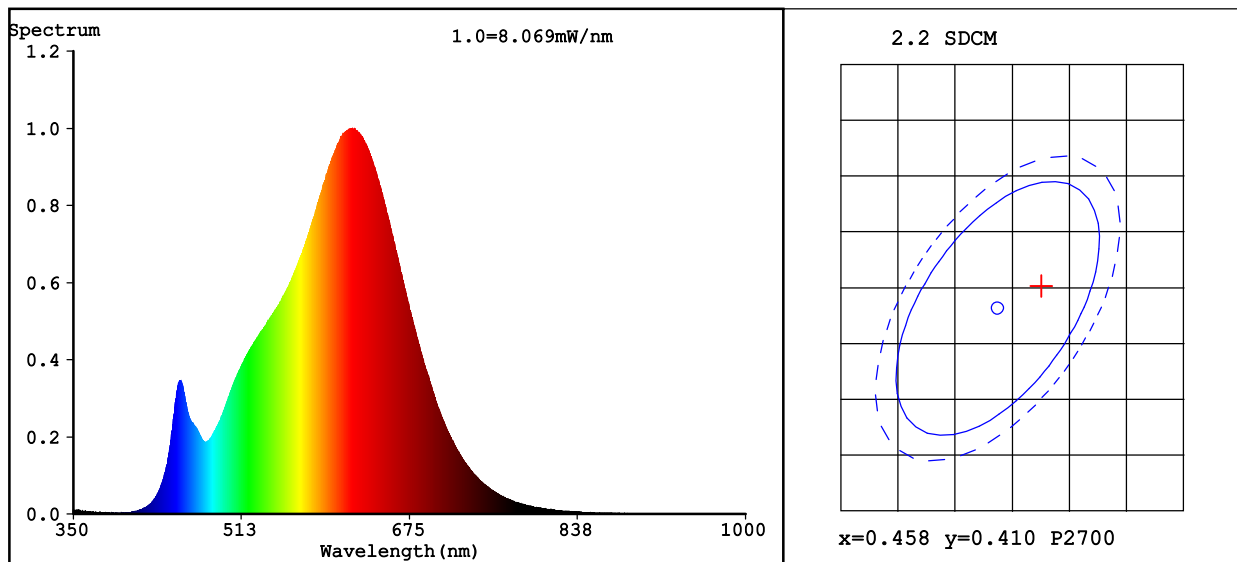


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4616$ $y=0.4121$ $u'=0.2630$ $v'=0.5282$

CCT=2687K (Duv=0.0004) Dominant WL:Ld =584.1nm Purity=62.3%

Ratio: R=26.4% G=71.1% B=2.4% Peak WL:Lp=620.1nm FWHM=139.7nm

Render Index: Ra=91.6

R1 =92	R2 =97	R3 =99	R4 =91	R5 =92	R6 =97	R7 =89
R8 =77	R9 =50	R10=91	R11=93	R12=85	R13=93	R14=100 R15=86

Photo Parameters:

Flux = 368.2 lm Eff. : 98.94 lm/W Fe = 1.276 W

Electrical parameters:

V = 120.03 V I = 0.04017 A P = 3.722 W PF = 0.7721

Status: Integral T = 1609 ms Ip = 48314 (74%)

Model: G25-3-E26-927-F-F
 Tester: XCJ
 Temperature: 25.0Deg
 Manufacturer: RAB Lighting Inc.

Number: 1
 Date: 2018-10-17 13:59:28
 Humidity: 65.0%
 Remarks:

RAB Lighting Inc.

Client:

LumCAT: G25-3-E26-927-F-F

Luminaire:

Report No:

Voltage(V): 120.0100

Test No: 255189-01-001

Current(A): 0.0390

LampCAT:

Power (W): 3.5890

Lamp flux(lm)

PF: 0.7654

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 367.00

Lumens(lm)/Power(W): 102.26

Central intensity(cd): 28.239

Maximum intensity(cd): 39.597

Angle of maximum intensity: C=270.0 γ =65.0

Beam Angle(50%Imax): [C0/180]Total=287.3

[C90/270]Total=277.8

Field angle(10%Imax): [C0/180]Total=344.0

[C90/270]Total=339.4

Maximum s/h(1/2): C0_180=1.44 C90_270=1.60

Maximum s/h(1/4): C0_180=1.96 C90_270=1.78

Up flux rate of LUM(%): 42.32%

Down flux rate of LUM(%): 55.07%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 28.008%

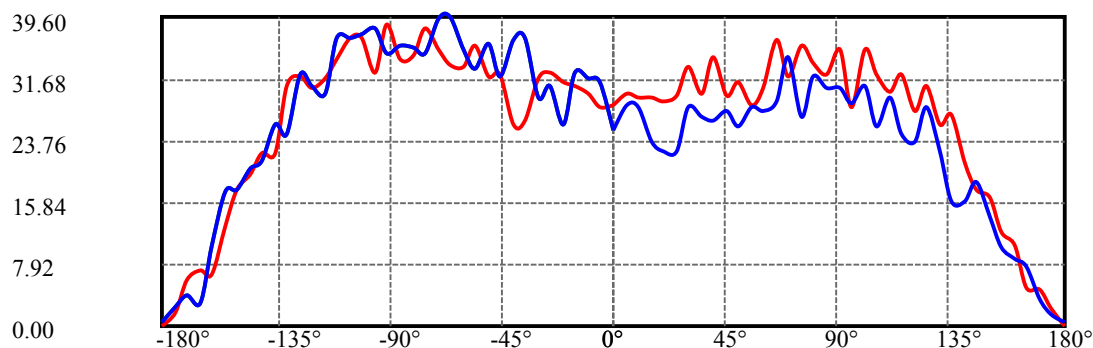
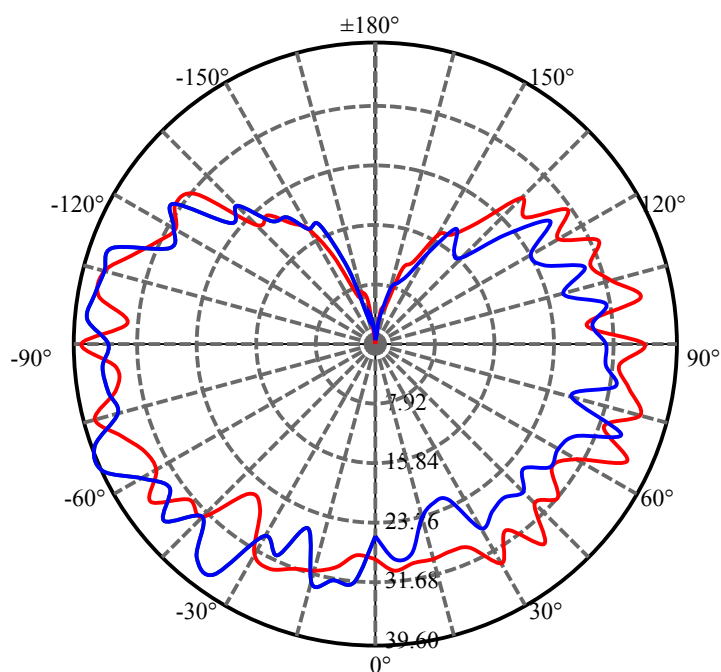
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	26.705	0.160	0.16	.044%	.044%
5.0	29.314	1.400	1.56	.382%	.425%
10.0	29.621	2.819	4.38	.768%	1.193%
15.0	29.007	4.115	8.495	1.121%	2.315%
20.0	27.088	5.078	13.573	1.384%	3.698%
25.0	28.777	6.666	20.239	1.816%	5.515%
30.0	30.465	8.349	28.589	2.275%	7.790%
35.0	29.928	9.409	37.998	2.564%	10.354%
40.0	30.772	10.842	48.84	2.954%	13.308%
45.0	30.311	11.748	60.588	3.201%	16.509%
50.0	31.232	13.114	73.703	3.573%	20.083%
55.0	31.232	14.024	87.726	3.821%	23.904%
60.0	31.616	15.008	102.734	4.089%	27.993%
65.0	34.609	17.193	119.927	4.685%	32.678%
70.0	35.223	18.142	138.07	4.943%	37.621%
75.0	33.918	17.958	156.028	4.893%	42.515%
80.0	33.995	18.351	174.379	5.000%	47.515%
85.0	33.151	18.102	192.481	4.932%	52.447%
90.0	34.839	19.096	211.577	5.203%	57.651%
95.0	31.769	17.348	228.925	4.727%	62.378%
100.0	35.069	18.931	247.855	5.158%	67.536%
105.0	32.844	17.389	265.245	4.738%	72.274%
110.0	32.537	16.759	282.004	4.567%	76.841%
115.0	29.544	14.677	296.681	3.999%	80.840%
120.0	28.086	13.332	310.013	3.633%	84.473%
125.0	30.695	13.782	323.795	3.755%	88.228%
130.0	25.861	10.859	334.654	2.959%	91.187%
135.0	22.714	8.804	343.458	2.399%	93.586%
140.0	20.029	7.057	350.515	1.923%	95.509%
145.0	18.877	5.935	356.45	1.617%	97.126%
150.0	16.422	4.501	360.951	1.226%	98.353%
155.0	13.045	3.022	363.973	.823%	99.176%
160.0	9.055	1.698	365.67	.463%	99.639%
165.0	5.679	0.806	366.476	.220%	99.858%
170.0	4.451	0.424	366.9	.115%	99.974%
175.0	1.995	0.095	366.995	.026%	99.999%
180.0	0.307	0.002	366.997	.001%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	28.59	7.79%
0-40	48.84	13.31%
0-60	102.73	27.99%
0-90	211.58	57.65%
0-120	310.01	84.47%
0-180	367.00	100.00%
60-90	123.85	33.75%
90-120	117.53	32.03%
90-130	142.17	38.74%
90-150	168.47	45.91%
90-180	174.51	47.55%
0-113.95	293.60	80.00%

ZONAL LUMEN SUMMARY

0-10	4.38
10-20	9.19
20-30	15.02
30-40	20.25
40-50	24.86
50-60	29.03
60-70	35.34
70-80	36.31
80-90	37.20
90-100	36.28
100-110	34.15
110-120	28.01
120-130	24.64
130-140	15.86
140-150	10.44
150-160	4.72
160-170	1.23
170-180	0.10



C270(Max): —————

C0/C180: —————

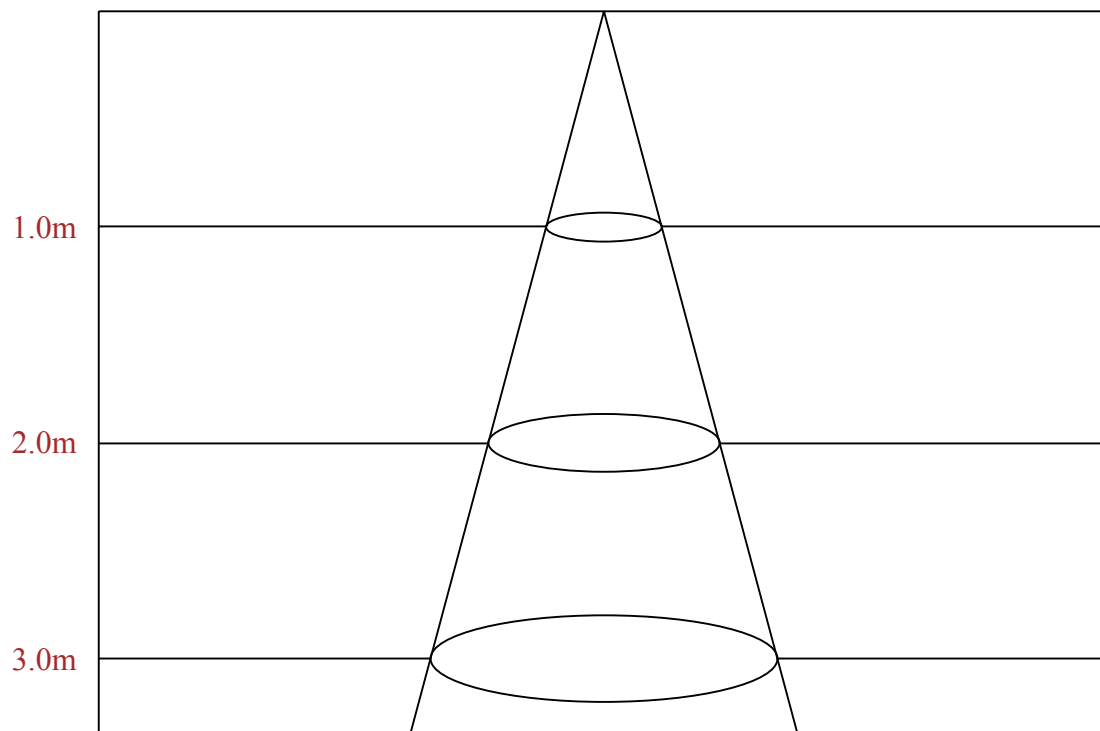
C90/C270: —————

Field angle(10%Imax):C0/180Left:82.5 Right:261.5

:C90/270Left:105.1 Right:234.3

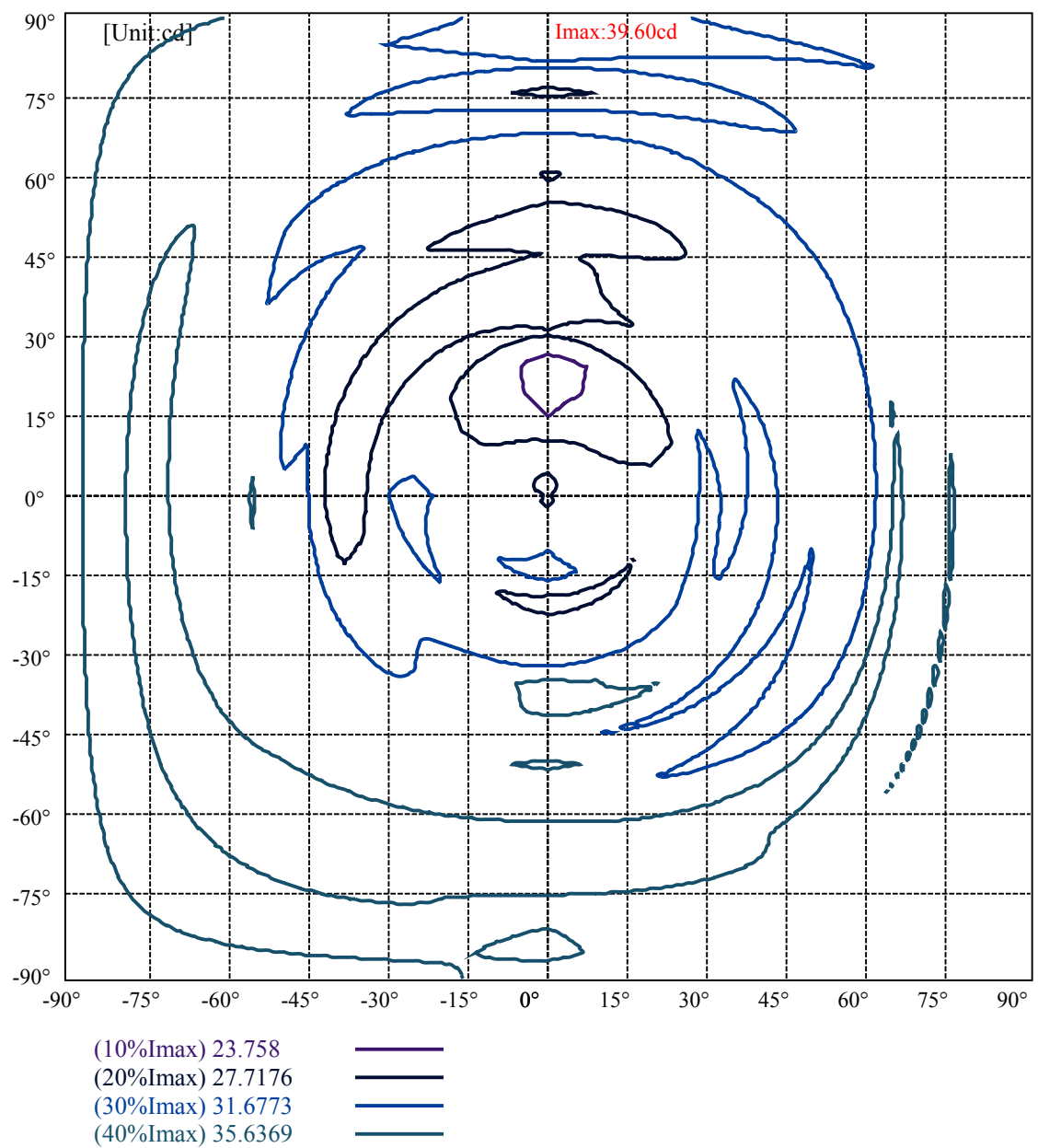
Beam Angle(50%Imax):C0/180Left:55.0 Right:232.3

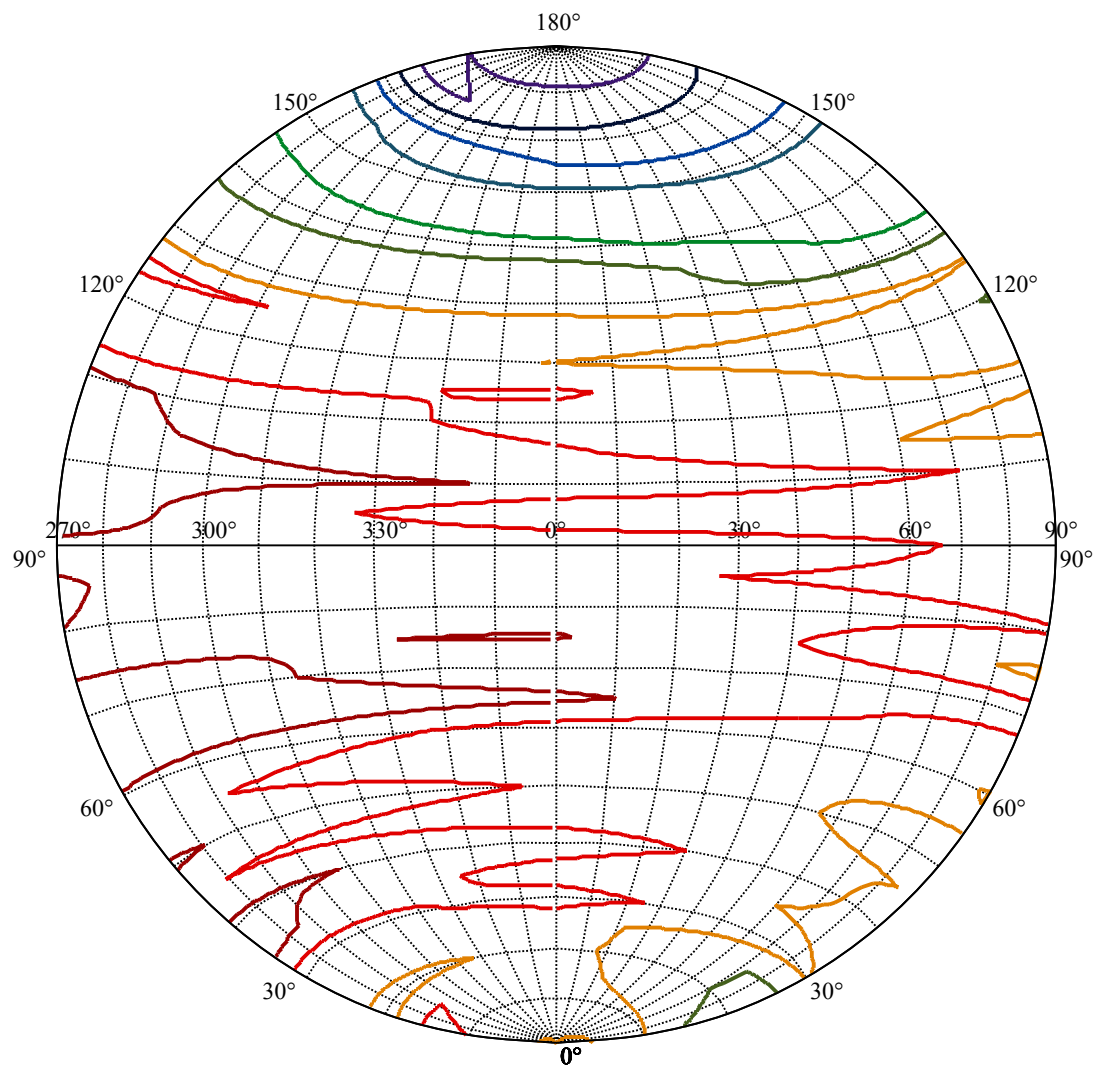
:C90/270Left:80.8 Right:197.0



Max , Ave

Beam angle of C270 plane 307.27





House

[Unit:cd]

Road

Imax:39.60

(10%Imax) 3.95966

(20%Imax) 7.91932

(30%Imax) 11.879

(40%Imax) 15.8386

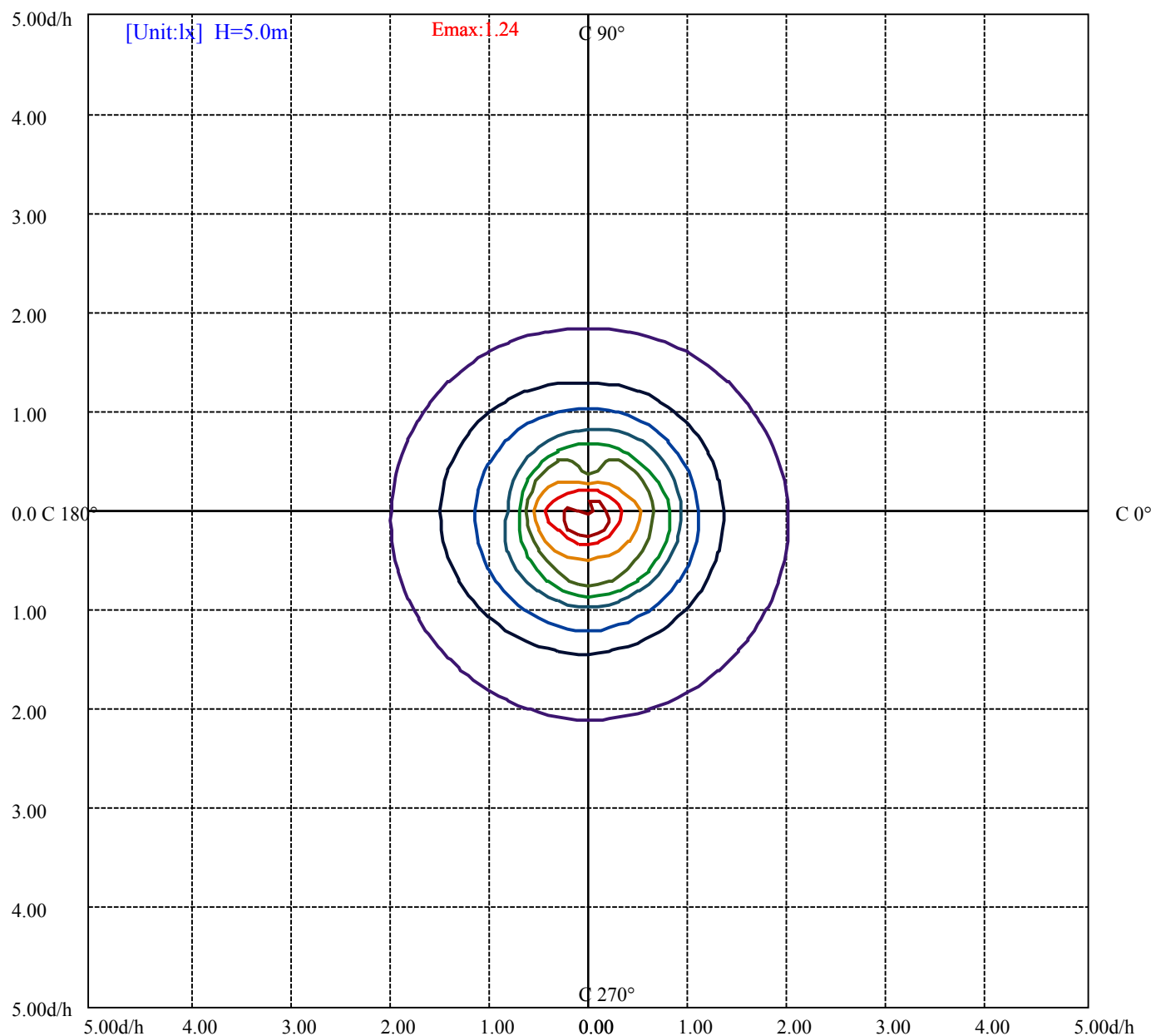
(50%Imax) 19.7983

(60%Imax) 23.758

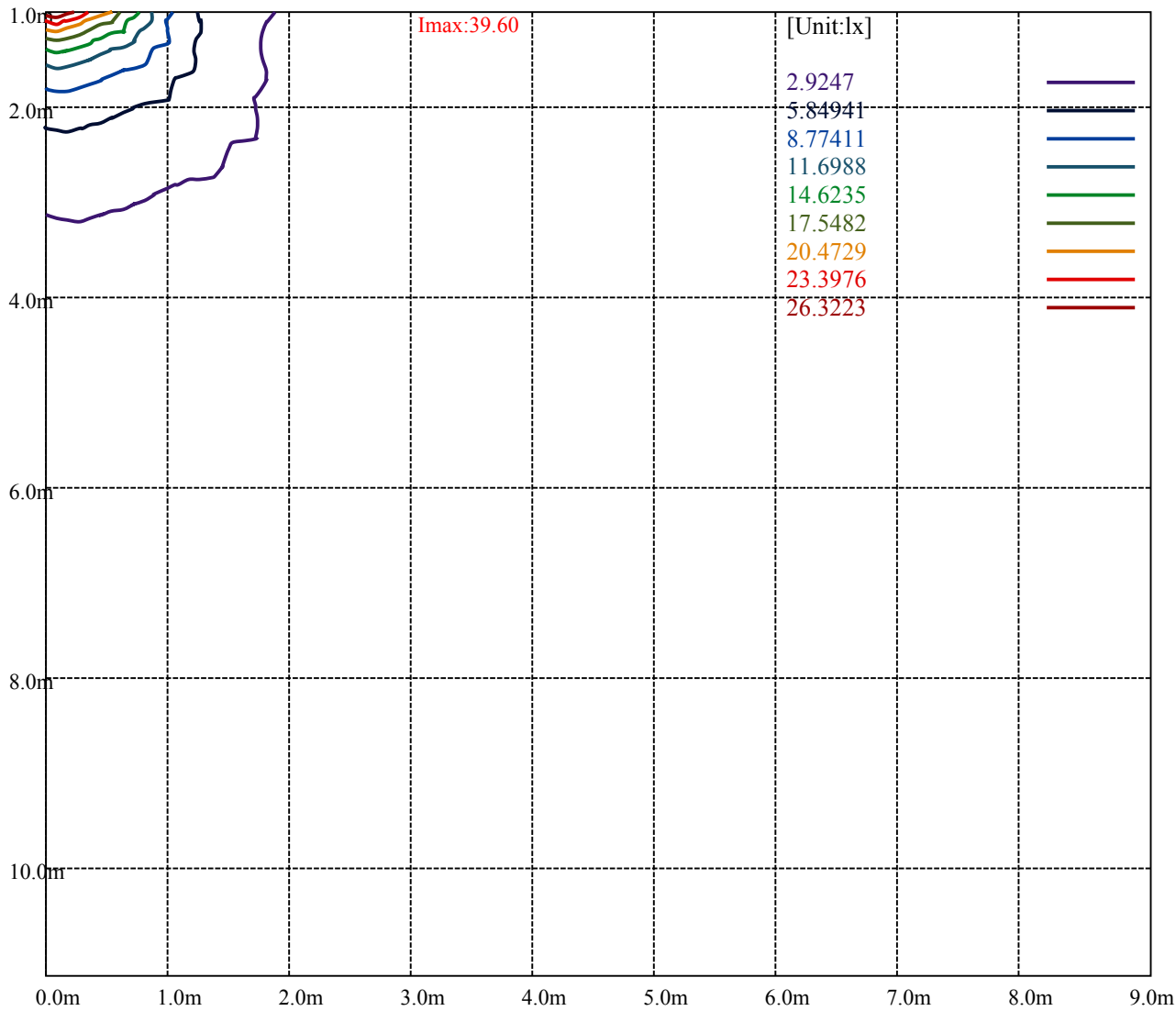
(70%Imax) 27.7176

(80%Imax) 31.6773

(90%Imax) 35.6369



(10%E _{max}) 0.123552	—
(20%E _{max}) 0.2471044	—
(30%E _{max}) 0.3706564	—
(40%E _{max}) 0.494208	—
(50%E _{max}) 0.61776	—
(60%E _{max}) 0.741312	—
(70%E _{max}) 0.864864	—
(80%E _{max}) 0.988416	—
(90%E _{max}) 1.111968	—



Luminance Table

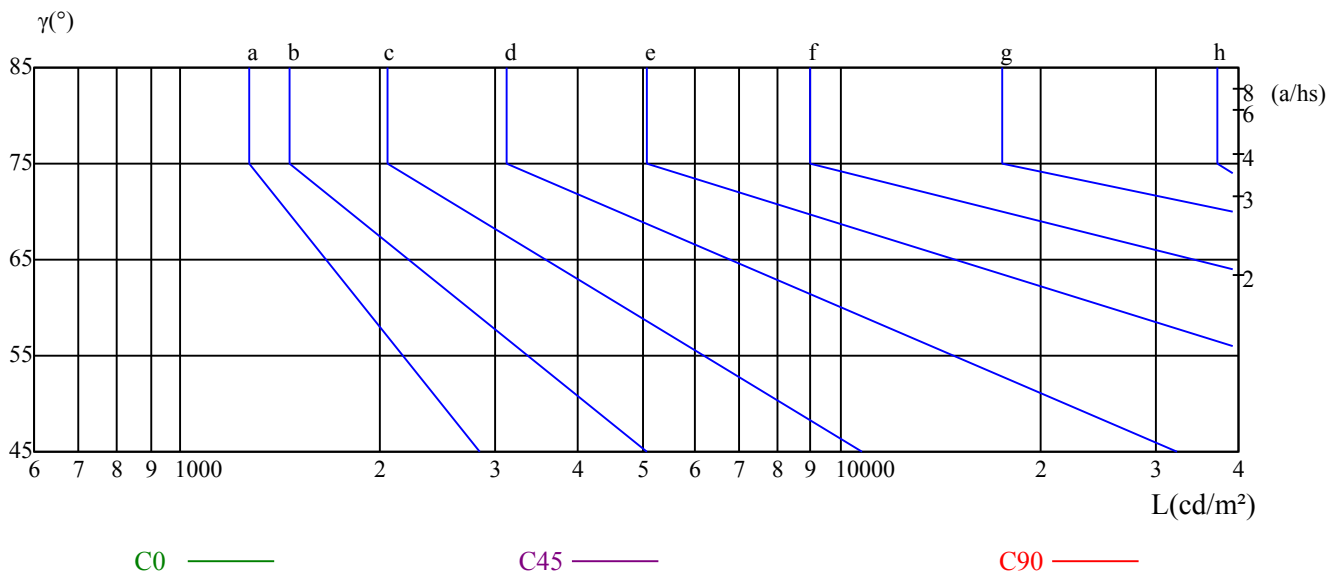
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

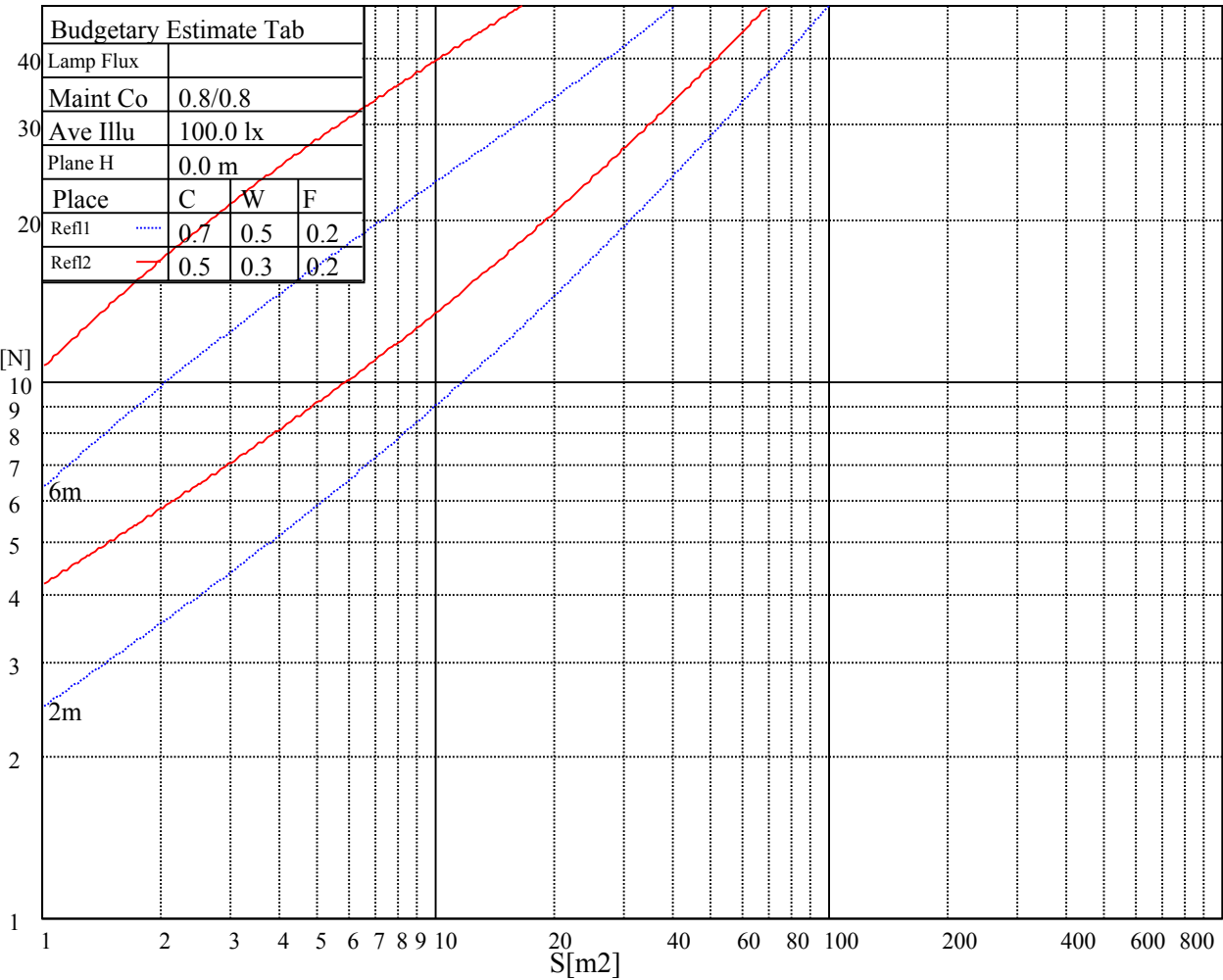
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

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





RHOC	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	1.08	1.08	1.08	1.01	1.01	1.01	0.86	0.86	0.86	0.73	0.73	0.73	0.61	0.61	0.61	0.55
1	0.89	0.84	0.79	0.82	0.77	0.73	0.70	0.66	0.63	0.58	0.55	0.53	0.48	0.45	0.44	0.38
2	0.75	0.67	0.61	0.69	0.62	0.56	0.58	0.53	0.48	0.48	0.44	0.41	0.39	0.36	0.33	0.28
3	0.65	0.56	0.48	0.60	0.52	0.45	0.50	0.44	0.39	0.41	0.36	0.32	0.33	0.30	0.26	0.22
4	0.56	0.47	0.40	0.52	0.44	0.37	0.44	0.37	0.32	0.36	0.31	0.27	0.29	0.25	0.22	0.18
5	0.50	0.40	0.33	0.46	0.37	0.31	0.39	0.32	0.27	0.32	0.27	0.22	0.26	0.21	0.18	0.15
6	0.44	0.35	0.28	0.41	0.33	0.27	0.34	0.28	0.23	0.29	0.23	0.19	0.23	0.19	0.16	0.12
7	0.40	0.31	0.25	0.37	0.29	0.23	0.31	0.25	0.20	0.26	0.21	0.17	0.21	0.17	0.13	0.11
8	0.36	0.27	0.21	0.33	0.25	0.20	0.28	0.22	0.17	0.24	0.18	0.15	0.19	0.15	0.12	0.09
9	0.33	0.24	0.19	0.30	0.23	0.18	0.26	0.20	0.15	0.22	0.17	0.13	0.18	0.14	0.11	0.08
10	0.30	0.22	0.17	0.28	0.21	0.16	0.24	0.18	0.14	0.20	0.15	0.12	0.16	0.12	0.10	0.07

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	28.24	29.77	29.16	29.16	28.85	29.47	33.15	29.77	34.38
90.0	25.17	28.24	27.93	23.64	22.41	22.41	27.93	26.70	26.40
180.0	28.24	27.93	29.77	30.70	31.31	32.54	31.62	26.40	25.78
270.0	25.17	31.31	31.62	32.54	25.78	30.70	29.16	36.83	36.53
360.0	28.24	29.77	29.16	29.16	28.85	29.47	33.15	29.77	34.38
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	29.47	31.31	28.24	30.39	36.53	31.92	35.91	33.76	32.23
90.0	27.63	25.48	27.93	27.63	28.85	34.38	26.70	31.92	30.39
180.0	32.23	31.92	35.91	33.15	33.46	35.30	38.06	34.69	34.07
270.0	31.92	36.22	32.84	35.30	39.60	39.29	34.99	35.61	35.91
360.0	29.47	31.31	28.24	30.39	36.53	31.92	35.91	33.76	32.23
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	35.30	27.93	35.30	32.23	30.08	32.23	27.63	30.70	25.78
90.0	30.39	28.55	30.70	25.48	29.16	24.56	23.64	27.93	22.41
180.0	38.68	32.54	36.83	36.83	34.07	31.62	30.39	31.92	30.70
270.0	34.99	38.06	37.45	36.83	36.83	29.77	30.70	32.23	24.56
360.0	35.30	27.93	35.30	32.23	30.08	32.23	27.63	30.70	25.78
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	27.01	20.87	17.50	16.58	11.97	10.44	4.91	4.60	2.15
90.0	15.96	15.96	18.42	14.12	10.13	8.59	7.67	3.38	1.53
180.0	22.10	22.10	19.34	17.50	12.89	6.75	7.06	5.83	1.84
270.0	25.78	21.18	20.26	17.50	17.19	10.44	3.07	3.99	2.46
360.0	27.01	20.87	17.50	16.58	11.97	10.44	4.91	4.60	2.15
C/γ(°)	180.0								
0.0	0.00								
90.0	0.61								
180.0	0.00								
270.0	0.61								
360.0	0.00								