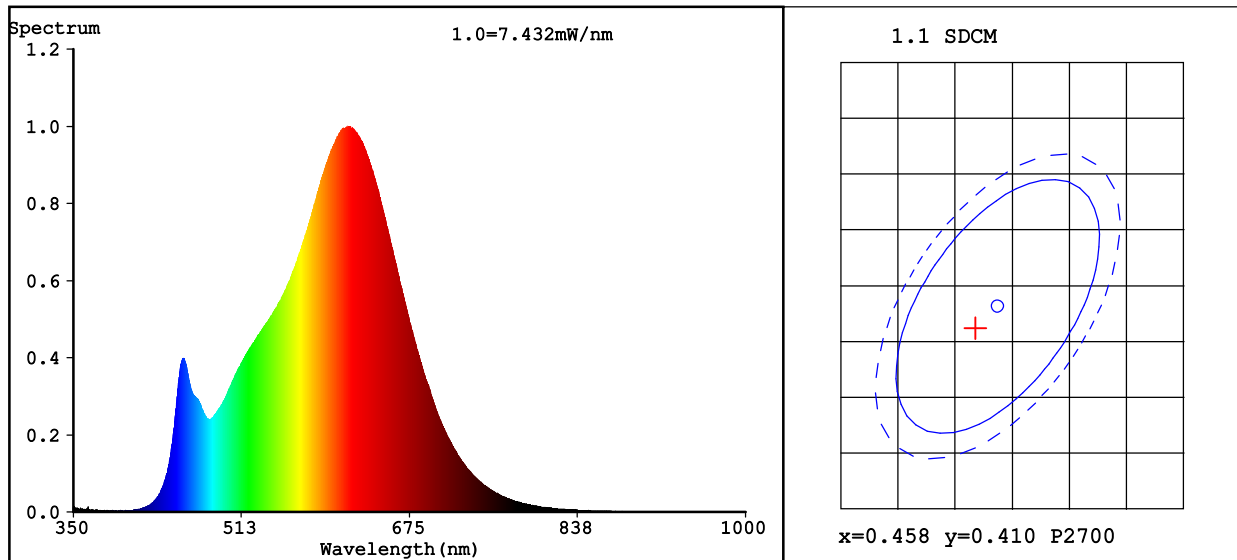


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4559$ $y=0.4081$ $u'=0.2610$ $v'=0.5258$

CCT=2737K (Duv=-0.0006) Dominant WL:Ld =584.2nm Purity=59.3%

Ratio: R=26.0% G=71.2% B=2.8% Peak WL:Lp=616.5nm FWHM=135.1nm

Render Index: Ra=90.2

R1 =91	R2 =98	R3 =95	R4 =89	R5 =91	R6 =97	R7 =87
R8 =73	R9 =45	R10=95	R11=90	R12=84	R13=93	R14=98
						R15=85

Photo Parameters:

Flux = 342.7 lm Eff. : 105.08 lm/W Fe = 1.169 W

Electrical parameters:

V = 120.03 V I = 0.03543 A P = 3.261 W PF = 0.7651

Status: Integral T = 1846 ms Ip = 48925 (75%)

Model: B11-3-E26-927-F-C
 Tester: XXL
 Temperature: 25.1Deg
 Manufacturer: RAB Lighting Inc.

Number: 1
 Date: 2018-09-14
 Humidity: 65.0%
 Remarks:

Client: RAB Lighting Inc.

LumCAT: B11-3-E26-927-F-C

Luminaire:

Report No:

Voltage(V): 120.1100

Test No: 253503-01-001

Current(A): 0.0360

LampCAT:

Power (W): 3.2580

Lamp flux(lm)

PF: 0.7634

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 304.59

Lumens(lm)/Power(W): 93.49

Central intensity(cd): 13.199

Maximum intensity(cd): 39.290

Angle of maximum intensity: C=90.0 γ =85.0

Beam Angle(50%Imax): [C0/180]Total=265.3

[C90/270]Total=266.8

Field angle(10%Imax): [C0/180]Total=333.9

[C90/270]Total=329.8

Maximum s/h(1/2): C0_180=2.52 C90_270=6.00

Maximum s/h(1/4): C0_180=2.56 C90_270=5.34

Up flux rate of LUM(%): 45.47%

Down flux rate of LUM(%): 54.53%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 21.488%

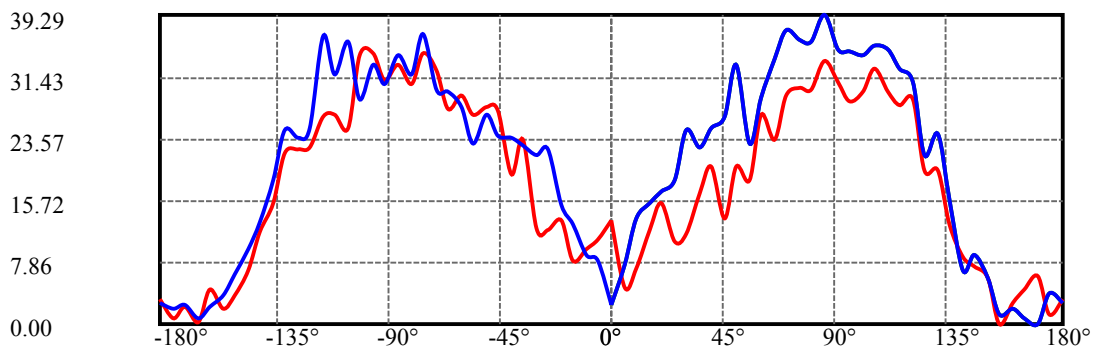
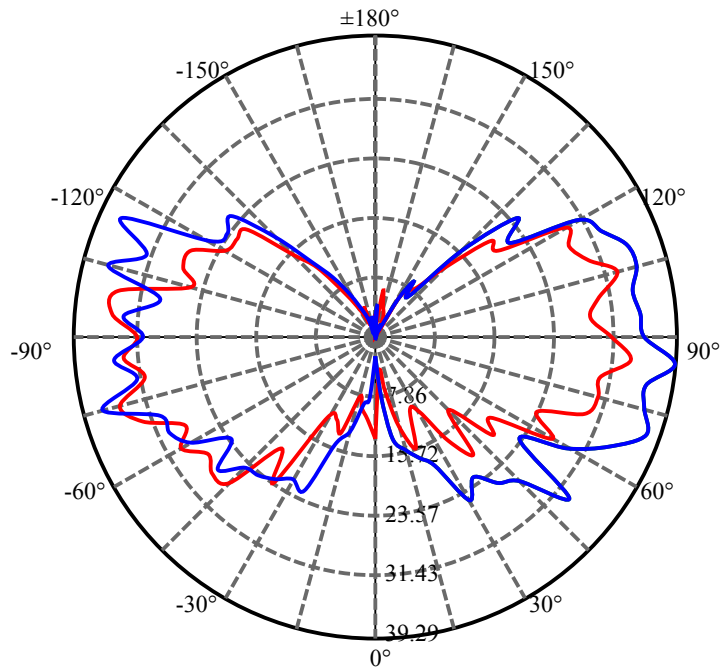
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7.827	0.000	0	.000%	.000%
5.0	7.750	0.186	0.186	.061%	.061%
10.0	9.746	0.626	0.812	.205%	.267%
15.0	11.971	1.288	2.1	.423%	.690%
20.0	15.117	2.232	4.333	.733%	1.422%
25.0	15.731	3.235	7.568	1.062%	2.485%
30.0	17.419	4.195	11.763	1.377%	3.862%
35.0	21.256	5.695	17.459	1.870%	5.732%
40.0	21.870	7.195	24.654	2.362%	8.094%
45.0	22.714	8.255	32.909	2.710%	10.804%
50.0	26.781	10.001	42.911	3.284%	14.088%
55.0	22.791	10.779	53.689	3.539%	17.627%
60.0	28.086	11.760	65.449	3.861%	21.488%
65.0	28.470	13.749	79.198	4.514%	26.001%
70.0	32.153	15.350	94.548	5.040%	31.041%
75.0	34.378	17.390	111.939	5.709%	36.750%
80.0	31.923	17.740	129.679	5.824%	42.575%
85.0	34.916	18.162	147.841	5.963%	48.537%
90.0	31.769	18.259	166.099	5.995%	54.532%
95.0	32.537	17.608	183.707	5.781%	60.313%
100.0	31.539	17.411	201.118	5.716%	66.029%
105.0	32.153	17.042	218.16	5.595%	71.624%
110.0	30.695	16.427	234.588	5.393%	77.017%
115.0	30.849	15.583	250.171	5.116%	82.133%
120.0	26.628	13.973	264.143	4.587%	86.721%
125.0	21.717	11.175	275.318	3.669%	90.389%
130.0	22.561	9.627	284.946	3.161%	93.550%
135.0	15.578	7.706	292.652	2.530%	96.080%
140.0	9.976	4.731	297.384	1.553%	97.634%
145.0	8.134	3.022	300.405	.992%	98.626%
150.0	5.448	2.000	302.405	.657%	99.282%
155.0	1.688	0.903	303.308	.297%	99.579%
160.0	2.763	0.467	303.775	.153%	99.732%
165.0	1.458	0.348	304.123	.114%	99.846%
170.0	2.686	0.246	304.369	.081%	99.927%
175.0	1.918	0.165	304.534	.054%	99.981%
180.0	2.916	0.058	304.591	.019%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	11.76	3.86%
0-40	24.65	8.09%
0-60	65.45	21.49%
0-90	166.10	54.53%
0-120	264.14	86.72%
0-180	304.59	100.00%
60-90	112.41	36.91%
90-120	116.30	38.18%
90-130	137.11	45.01%
90-150	154.56	50.74%
90-180	156.69	51.44%
0-112.92	243.67	80.00%

ZONAL LUMEN SUMMARY

0-10	0.81
10-20	3.52
20-30	7.43
30-40	12.89
40-50	18.26
50-60	22.54
60-70	29.10
70-80	35.13
80-90	36.42
90-100	35.02
100-110	33.47
110-120	29.56
120-130	20.80
130-140	12.44
140-150	5.02
150-160	1.37
160-170	0.59
170-180	0.16



C90(Max):

C0/C180:

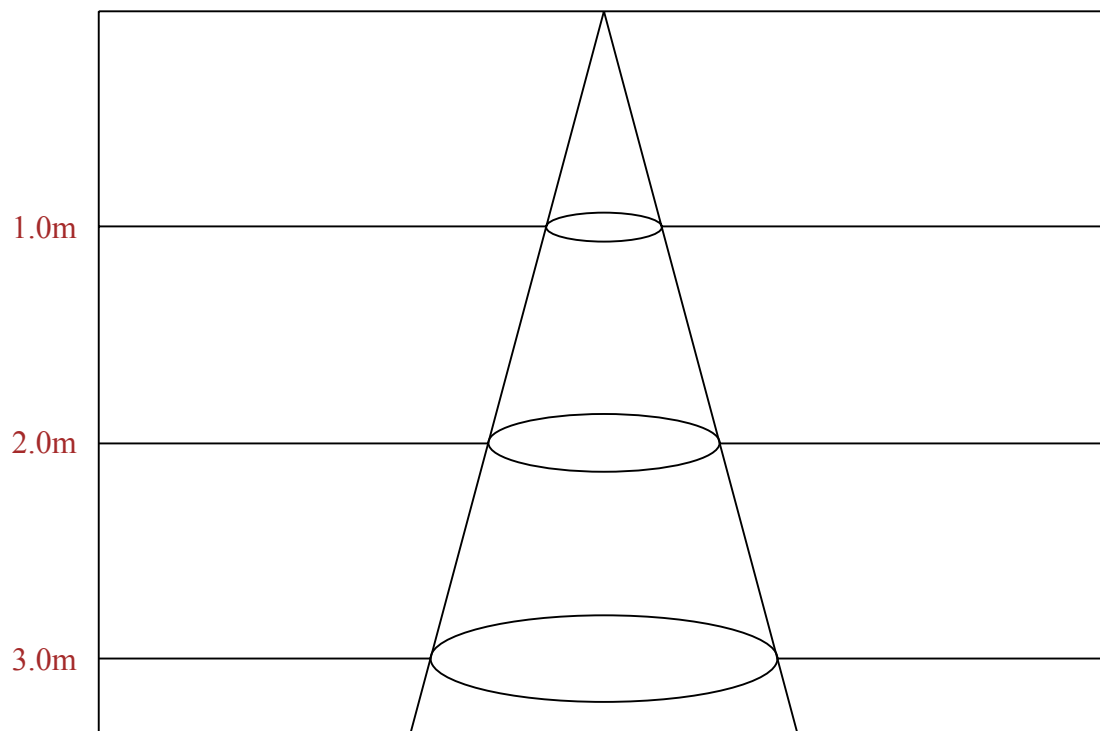
C90/C270:

Field angle(10%I_{max}):C0/180Left:86.1 Right:247.8

:C90/270Left:239.6 Right:90.3

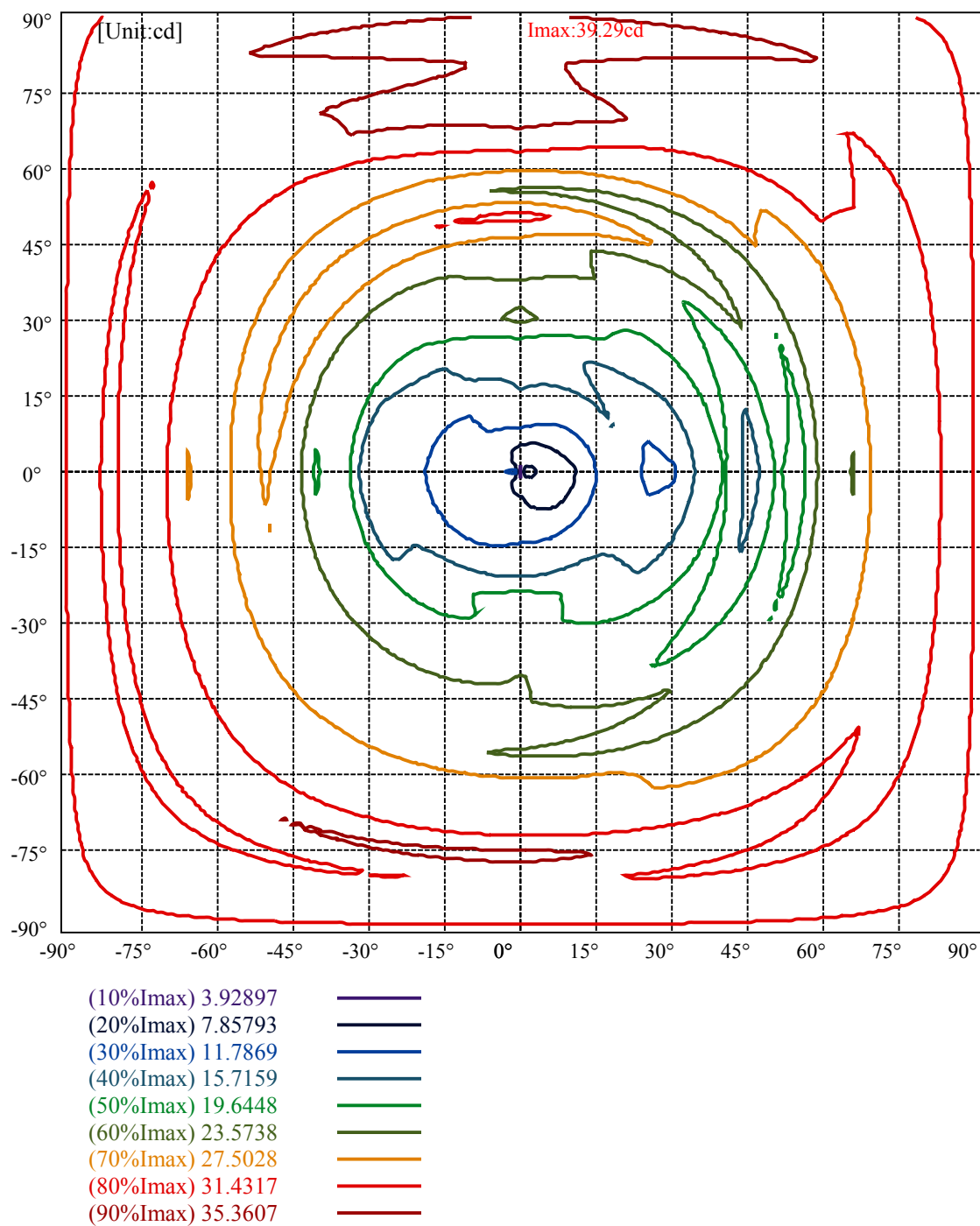
Beam Angle(50%I_{max}):C0/180Left:58.6 Right:206.7

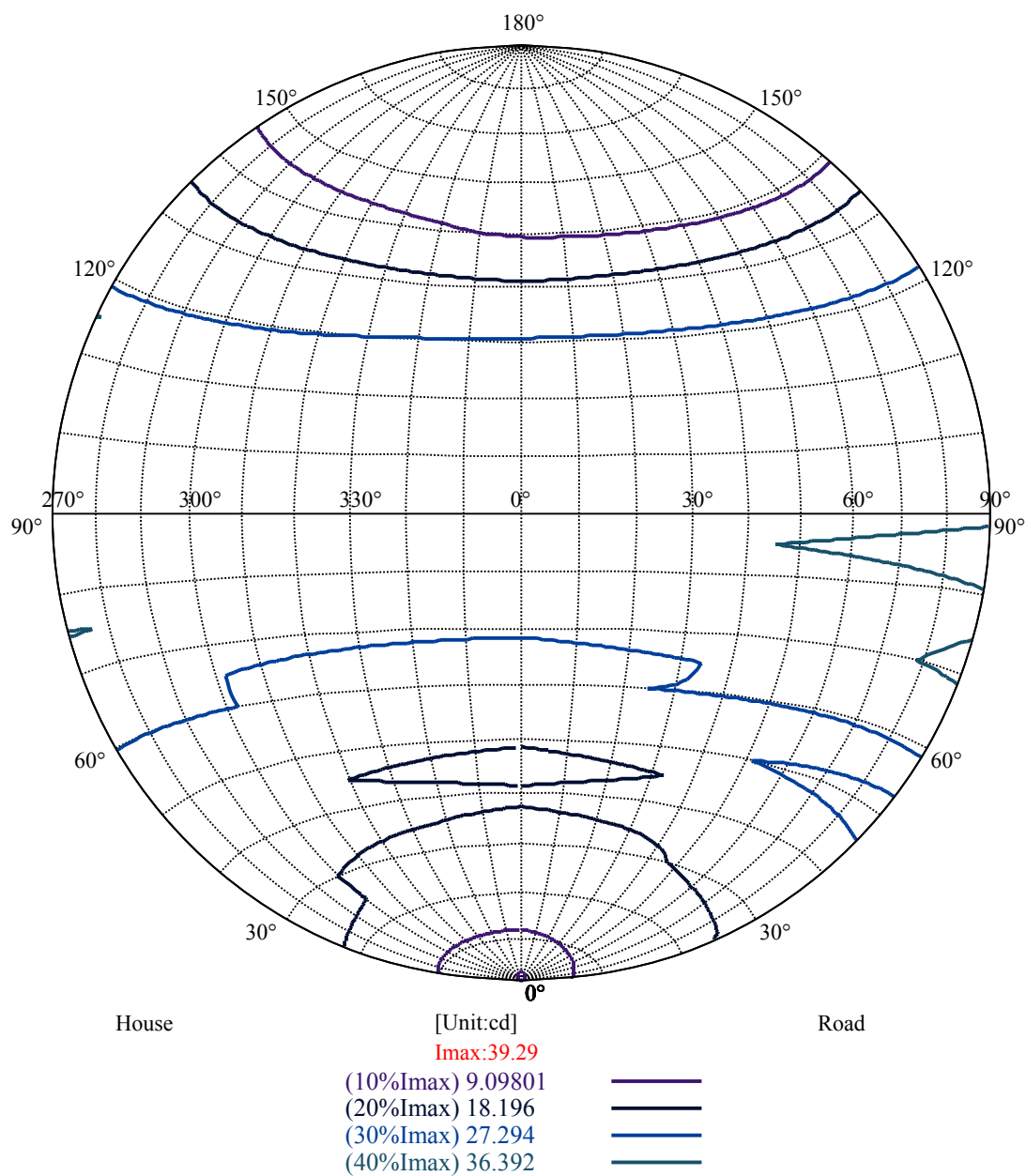
:C90/270Left:219.0 Right:47.8

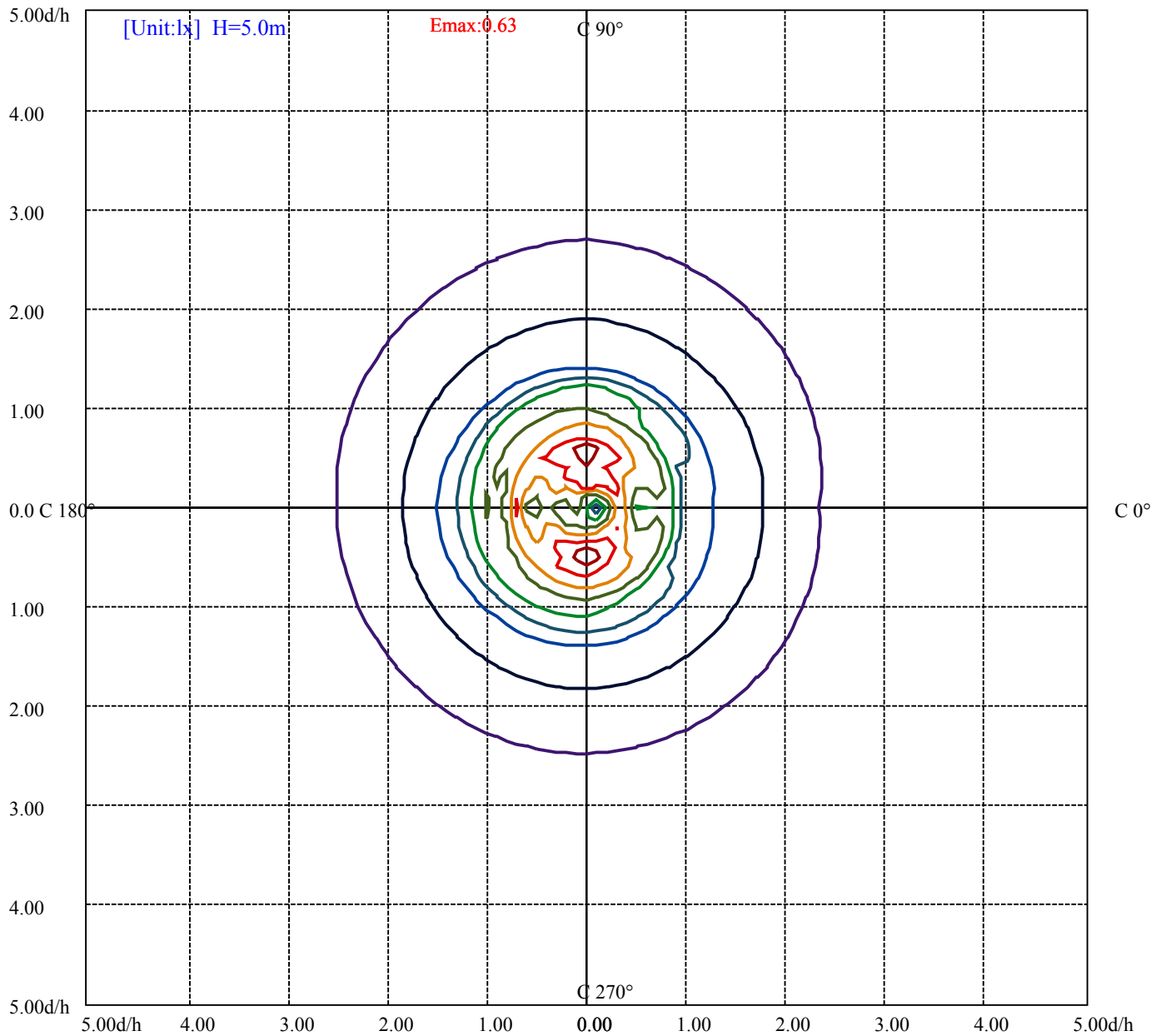


Max , Ave

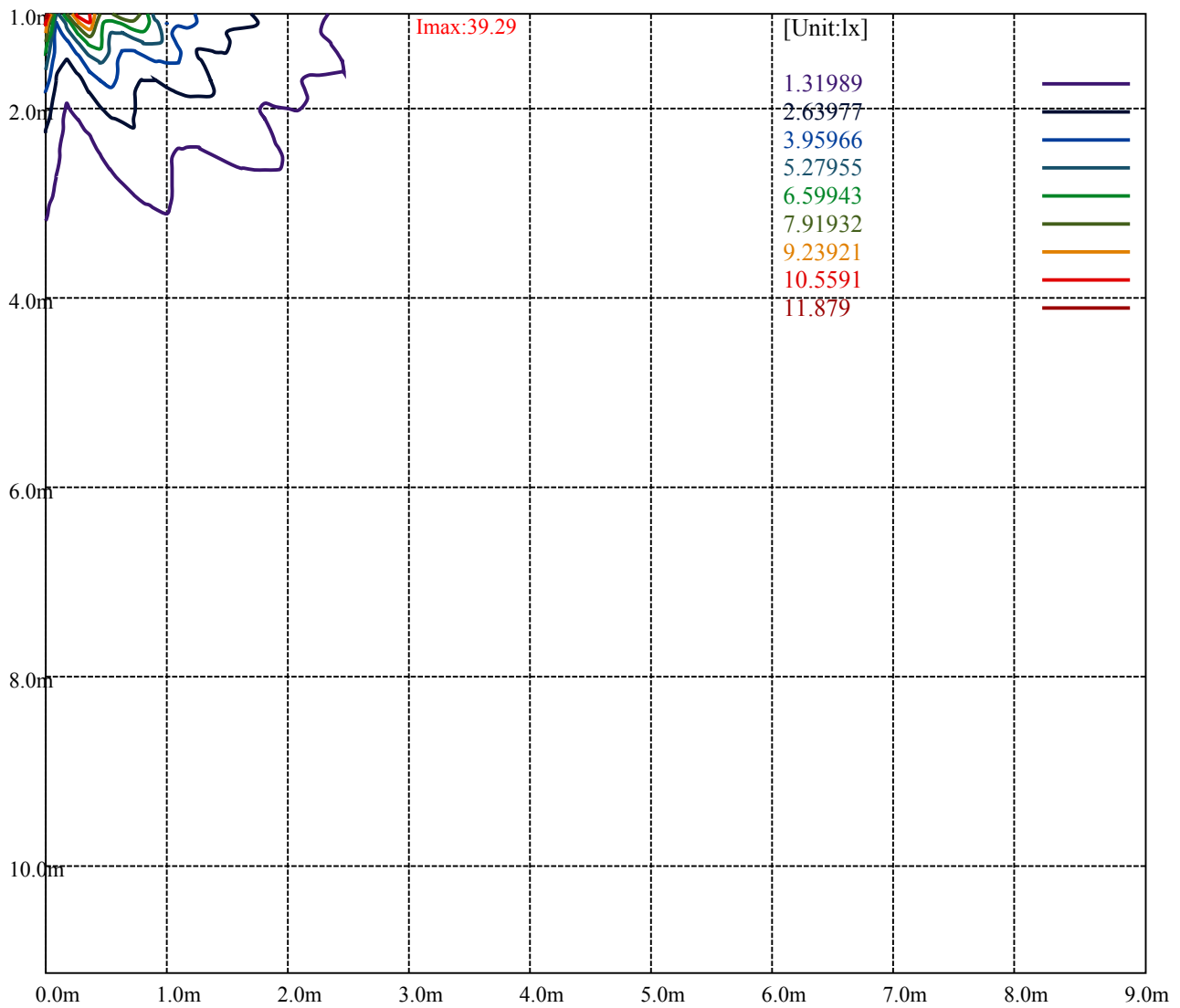
Beam angle of C90 plane 329.44







(10%Emax) 0.0627012	—
(20%Emax) 0.1254028	—
(30%Emax) 0.188104	—
(40%Emax) 0.2508052	—
(50%Emax) 0.3135068	—
(60%Emax) 0.376208	—
(70%Emax) 0.438908	—
(80%Emax) 0.501612	—
(90%Emax) 0.564312	—



C35-1CD 3.3W 120V 2700K E26

Luminance Limiting Curve(no luminous side)

Appendix Page: 10 Total:13

Luminance Table

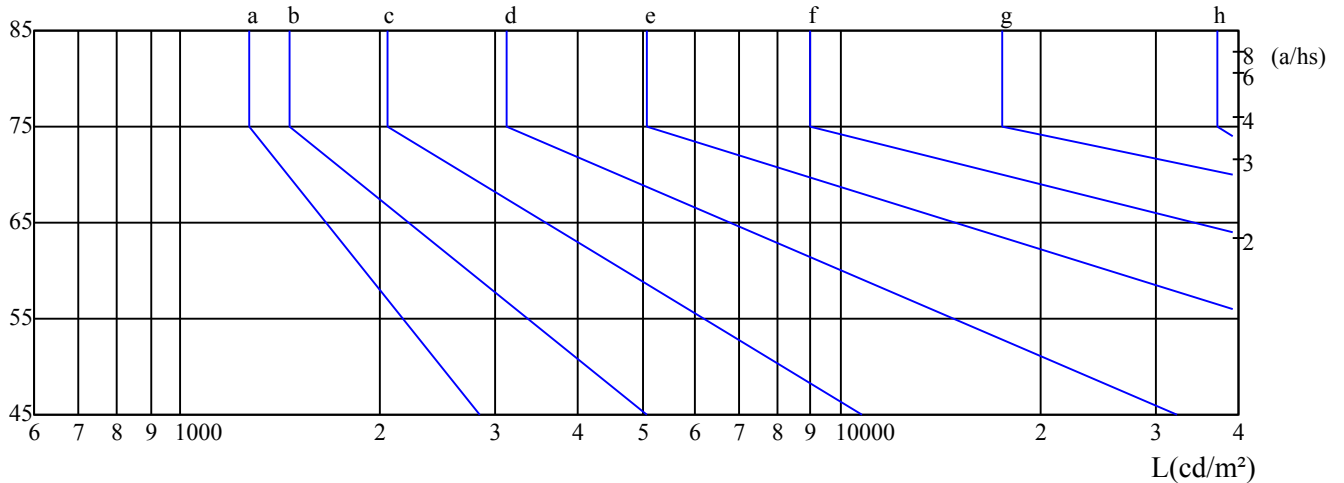
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

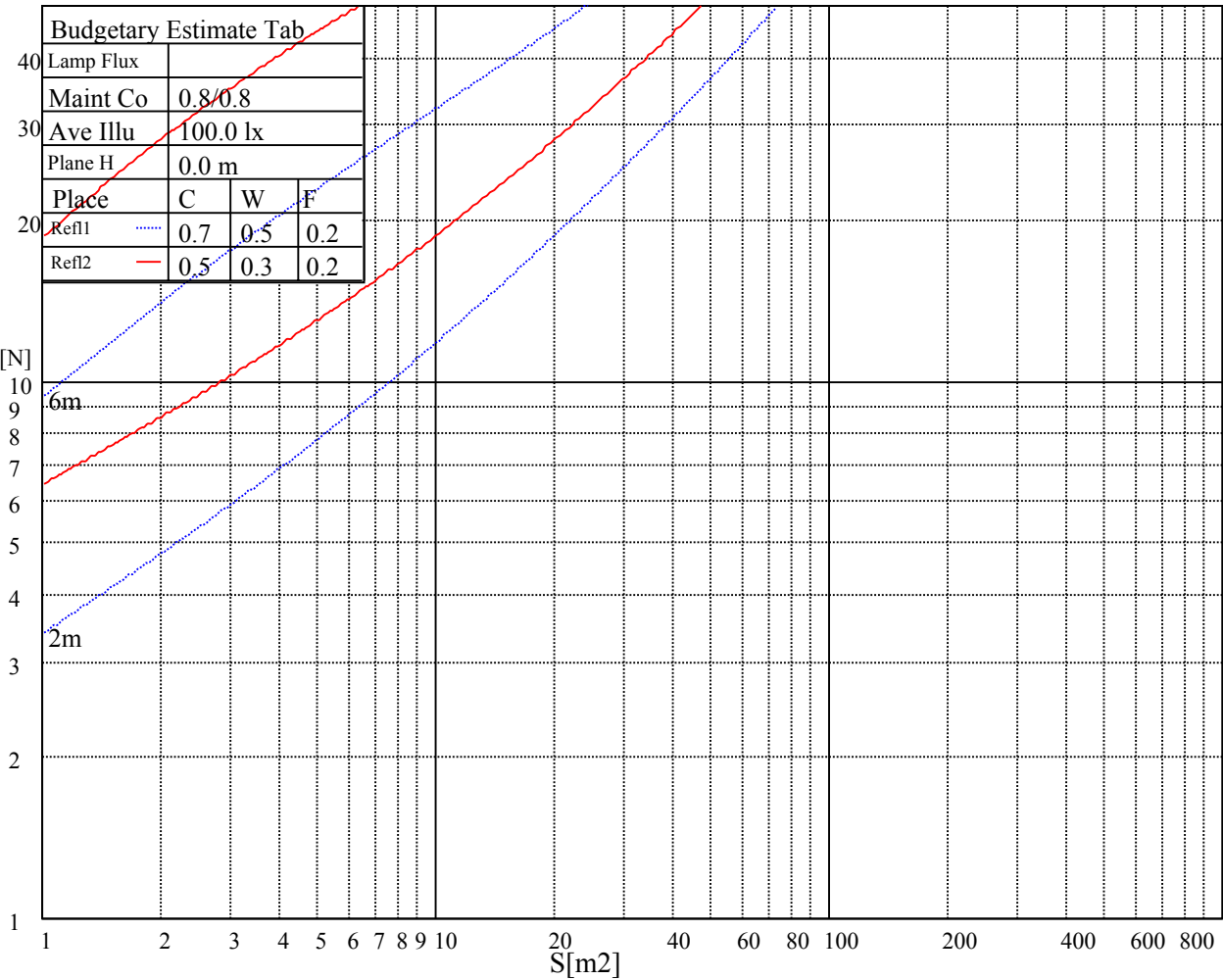
Luminance Limiting Curve

 $\gamma(^{\circ})$ 

C0 ———

C45 ———

C90 ———



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 RHOFC=20 CU															
0	1.08	1.08	1.08	1.00	1.00	1.00	0.86	0.86	0.86	0.73	0.73	0.73	0.60	0.60	0.60	0.55
1	0.86	0.79	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	0.28	0.29	0.25	0.22	0.17
4	0.53	0.43	0.35	0.48	0.40	0.33	0.40	0.33	0.27	0.32	0.27	0.22	0.25	0.21	0.17	0.13
5	0.46	0.37	0.29	0.43	0.34	0.27	0.35	0.28	0.23	0.28	0.23	0.18	0.22	0.18	0.14	0.10
6	0.41	0.32	0.25	0.38	0.29	0.23	0.31	0.24	0.19	0.25	0.20	0.15	0.20	0.15	0.12	0.09
7	0.37	0.28	0.21	0.34	0.25	0.19	0.28	0.21	0.16	0.23	0.17	0.13	0.18	0.13	0.10	0.07
8	0.33	0.24	0.18	0.30	0.22	0.17	0.25	0.19	0.14	0.21	0.15	0.11	0.16	0.12	0.09	0.06
9	0.30	0.22	0.16	0.28	0.20	0.15	0.23	0.17	0.12	0.19	0.14	0.10	0.15	0.11	0.07	0.05
10	0.27	0.19	0.14	0.25	0.18	0.13	0.21	0.15	0.11	0.17	0.12	0.09	0.14	0.09	0.07	0.04

C35-1CD 3.3W 120V 2700K E26

Appendix Page: 13 Total:13

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	13.20	4.60	7.06	11.97	15.35	10.44	11.36	16.58	19.95
90.0	2.46	7.67	13.51	15.35	16.88	18.42	24.56	22.41	24.86
180.0	13.20	10.74	9.52	7.98	13.20	11.97	12.28	23.33	19.03
270.0	2.46	7.98	8.90	12.58	15.04	22.10	21.49	22.71	23.64
360.0	13.20	4.60	7.06	11.97	15.35	10.44	11.36	16.58	19.95
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	13.51	19.95	18.42	26.70	23.33	29.16	30.08	29.77	33.46
90.0	26.40	32.84	23.02	28.85	33.76	37.45	36.22	35.91	39.29
180.0	27.01	27.63	26.70	29.16	27.32	32.23	34.38	30.39	32.84
270.0	23.94	26.70	23.02	27.63	29.47	29.77	36.83	31.62	34.07
360.0	13.51	19.95	18.42	26.70	23.33	29.16	30.08	29.77	33.46
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	30.70	28.24	29.47	32.54	29.47	27.93	28.55	19.64	19.64
90.0	34.99	34.69	34.07	35.30	34.99	32.54	30.70	21.49	24.25
180.0	31.00	34.38	34.07	24.86	26.70	26.40	22.41	22.10	21.79
270.0	30.39	32.84	28.55	35.91	31.62	36.53	24.86	23.64	24.56
360.0	30.70	28.24	29.47	32.54	29.47	27.93	28.55	19.64	19.64
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	12.58	8.59	7.37	5.83	0.00	2.76	4.30	6.14	1.23
90.0	15.96	6.75	8.90	5.83	1.23	1.84	0.61	0.00	3.99
180.0	15.35	11.66	6.75	3.68	1.84	4.30	0.31	2.15	0.61
270.0	18.42	12.89	9.52	6.45	3.68	2.15	0.61	2.46	1.84
360.0	12.58	8.59	7.37	5.83	0.00	2.76	4.30	6.14	1.23
C/γ(°)	180.0								
0.0	3.07								
90.0	2.76								
180.0	3.07								
270.0	2.76								
360.0	3.07								