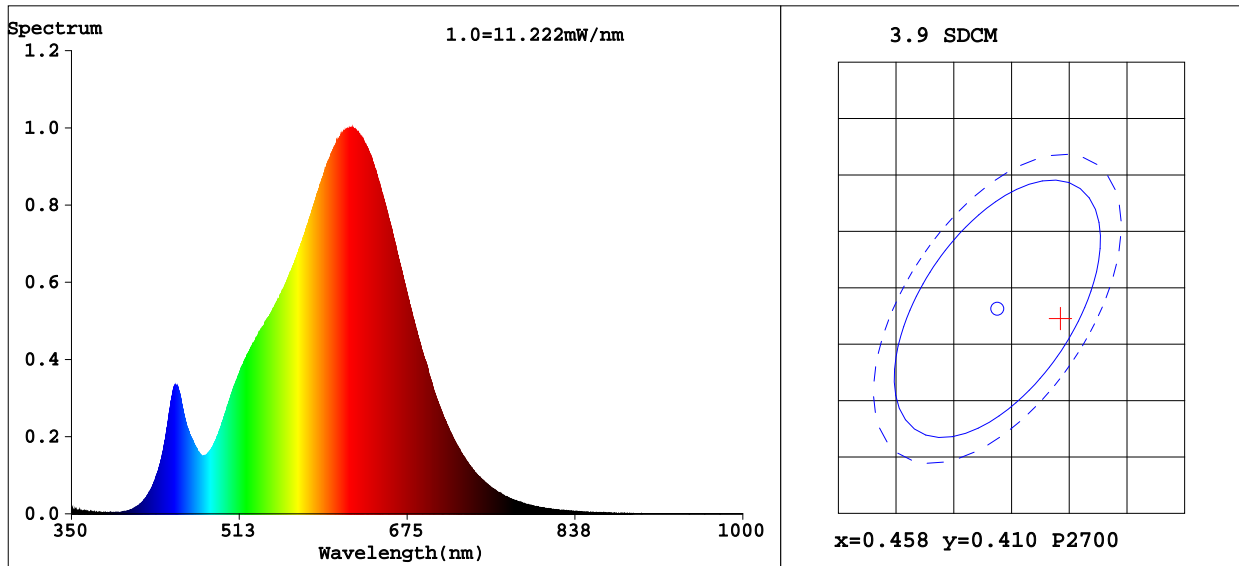


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4633$ $y=0.4092$ / $u'=0.2653$ $v'=0.5273$
 CCT=2643K(Duv=-0.0008) Dominant WL:Ld =584.7nm Purity=61.9%
 Ratio:R=26.5% G=71.3% B=2.1% Peak WL:Lp=620.4nm FWHM=142.6nm
 Render Index:Ra=90.0
 R1 =90 R2 =95 R3 =98 R4 =90 R5 =90 R6 =94 R7 =89
 R8 =76 R9 =47 R10=87 R11=90 R12=83 R13=91 R14=98 R15=85

Photo Parameters:

Flux = 512.9 lm Eff. : 96.16 lm/W Fe = 1.811 W

Electrical parameters:

V = 120.00 V I = 0.05657 A P = 5.334 W PF = 0.7859

Status: Integral T = 845 ms Ip = 32510 (50%)

Model:B11-5-E26-927-F-C	Number:1
Tester:XXL	Date:2018-09-04
Temperature:25.1Deg	Humidity:65.0%
Manufacturer:RAB Lighting Inc.	Remarks:

Client:RAB Lighting Inc.
LumCAT:B11-5-E26-927-F-C

Luminaire:

Report No:

Voltage(V): 120.0700

Test No: 253499-01-001

Current(A): 0.0560

LampCAT:

Power (W): 5.2160

Lamp flux(lm)

PF: 0.7816

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 518.07

Lumens(lm)/Power(W): 99.32

Central intensity(cd): 7.060

Maximum intensity(cd): 68.450

Angle of maximum intensity: C=90.0 γ =75.0

Beam Angle(50%Imax): [C0/180]Total=266.8

[C90/270]Total=266.6

Field angle(10%Imax): [C0/180]Total=297.4

[C90/270]Total=297.3

Maximum s/h(1/2): C0_180=4.27 C90_270=4.40

Maximum s/h(1/4): C0_180=3.94 C90_270=4.14

Up flux rate of LUM(%): 45.64%

Down flux rate of LUM(%): 54.36%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 21.059%

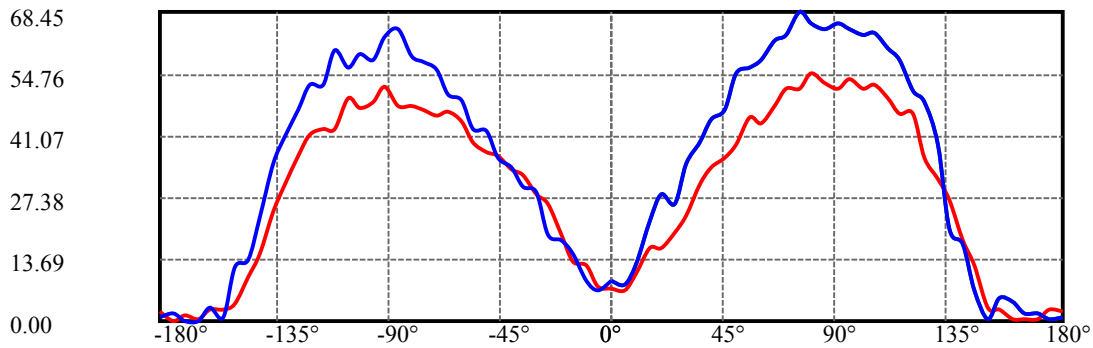
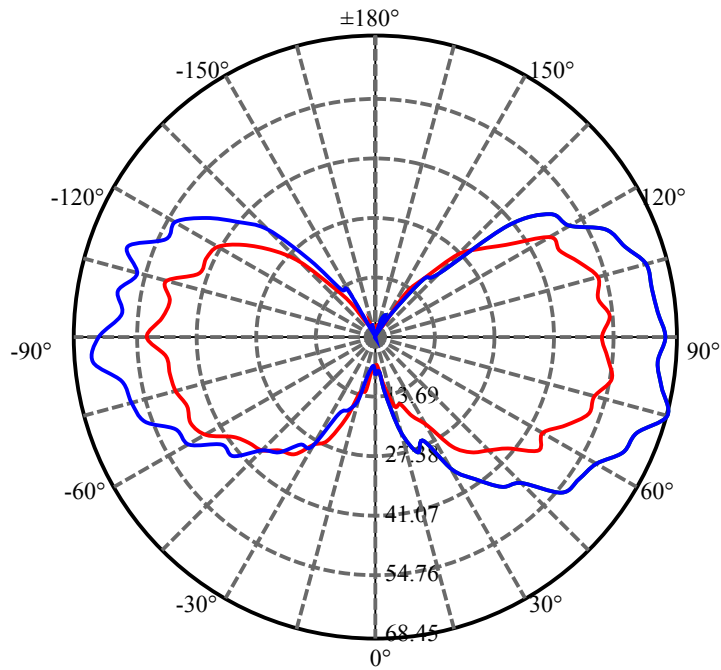
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7.981	0.000	0	.000%	.000%
5.0	7.290	0.183	0.183	.035%	.035%
10.0	11.127	0.659	0.841	.127%	.162%
15.0	16.652	1.648	2.489	.318%	.480%
20.0	20.335	3.048	5.538	.588%	1.069%
25.0	22.714	4.515	10.053	.872%	1.940%
30.0	28.700	6.507	16.559	1.256%	3.196%
35.0	32.997	9.085	25.644	1.754%	4.950%
40.0	36.604	11.612	37.257	2.241%	7.191%
45.0	38.906	13.981	51.238	2.699%	9.890%
50.0	43.433	16.638	67.876	3.212%	13.102%
55.0	45.812	19.405	87.281	3.746%	16.847%
60.0	48.575	21.817	109.098	4.211%	21.059%
65.0	51.491	24.326	133.425	4.696%	25.754%
70.0	53.947	26.697	160.122	5.153%	30.907%
75.0	56.095	28.763	188.885	5.552%	36.459%
80.0	56.709	30.183	219.068	5.826%	42.285%
85.0	57.323	30.985	250.054	5.981%	48.266%
90.0	58.014	31.580	281.634	6.096%	54.362%
95.0	56.018	31.223	312.857	6.027%	60.389%
100.0	55.328	30.255	343.112	5.840%	66.229%
105.0	55.405	29.629	372.741	5.719%	71.948%
110.0	52.949	28.322	401.063	5.467%	77.415%
115.0	49.649	25.979	427.041	5.014%	82.429%
120.0	47.501	23.617	450.659	4.559%	86.988%
125.0	42.052	20.700	471.359	3.996%	90.984%
130.0	35.453	16.852	488.211	3.253%	94.236%
135.0	26.551	12.529	500.74	2.418%	96.655%
140.0	18.110	8.269	509.009	1.596%	98.251%
145.0	10.590	4.788	513.797	.924%	99.175%
150.0	4.834	2.271	516.069	.438%	99.614%
155.0	2.839	0.971	517.04	.187%	99.801%
160.0	2.686	0.579	517.619	.112%	99.913%
165.0	0.537	0.266	517.885	.051%	99.964%
170.0	0.767	0.077	517.962	.015%	99.979%
175.0	1.305	0.074	518.036	.014%	99.993%
180.0	1.535	0.034	518.07	.007%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	16.56	3.20%
0-40	37.26	7.19%
0-60	109.10	21.06%
0-90	281.63	54.36%
0-120	450.66	86.99%
0-180	518.07	100.00%
60-90	194.35	37.51%
90-120	200.60	38.72%
90-130	238.16	45.97%
90-150	266.01	51.35%
90-180	267.98	51.73%
0-112.58	414.46	80.00%

ZONAL LUMEN SUMMARY

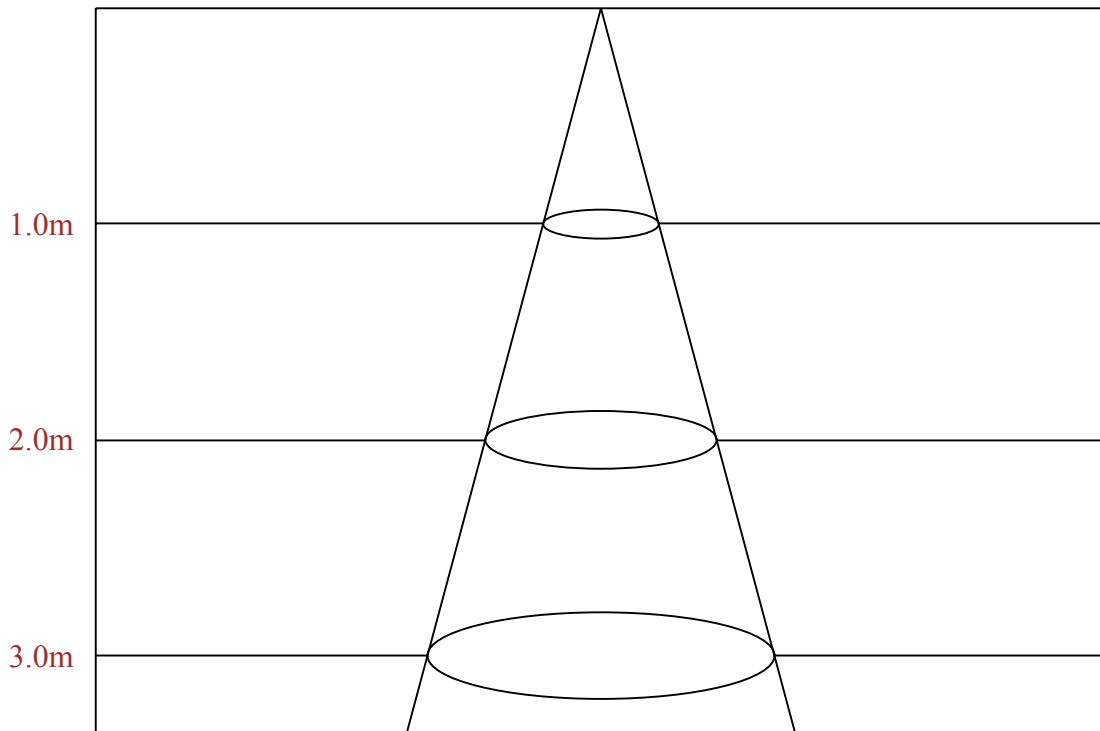
0-10	0.84
10-20	4.70
20-30	11.02
30-40	20.70
40-50	30.62
50-60	41.22
60-70	51.02
70-80	58.95
80-90	62.57
90-100	61.48
100-110	57.95
110-120	49.60
120-130	37.55
130-140	20.80
140-150	7.06
150-160	1.55
160-170	0.34
170-180	0.07



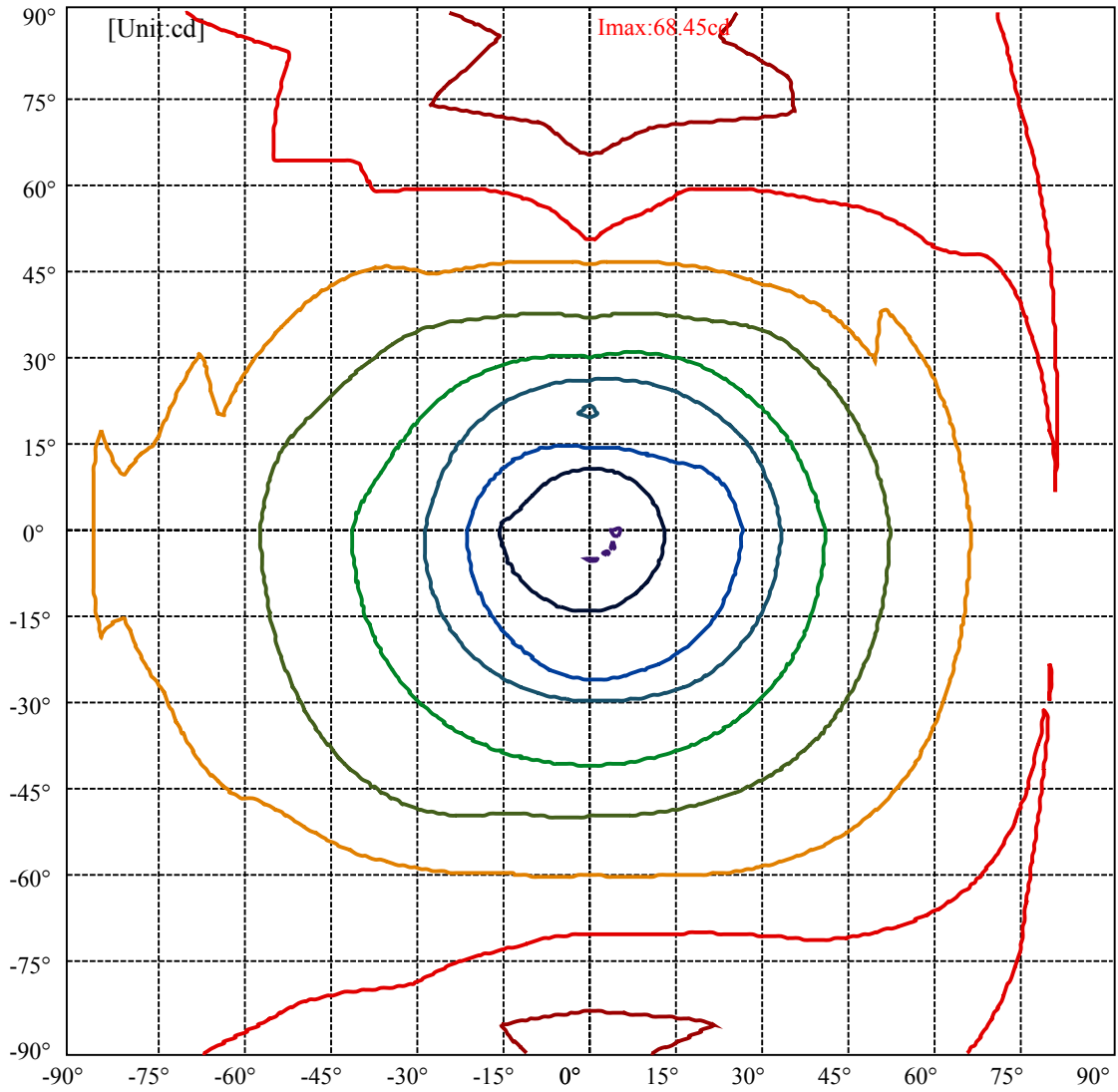
C90(Max): ———
 C0/C180: ———
 C90/C270: ———










Field angle(10%Imax):C0/180Left:228.7 Right:68.7
 :C90/270Left:227.3 Right:70.0

Beam Angle(50%Imax):C0/180Left:212.5 Right:54.3
 :C90/270Left:210.2 Right:56.4



Max , Ave Beam angle of C90 plane 315.56

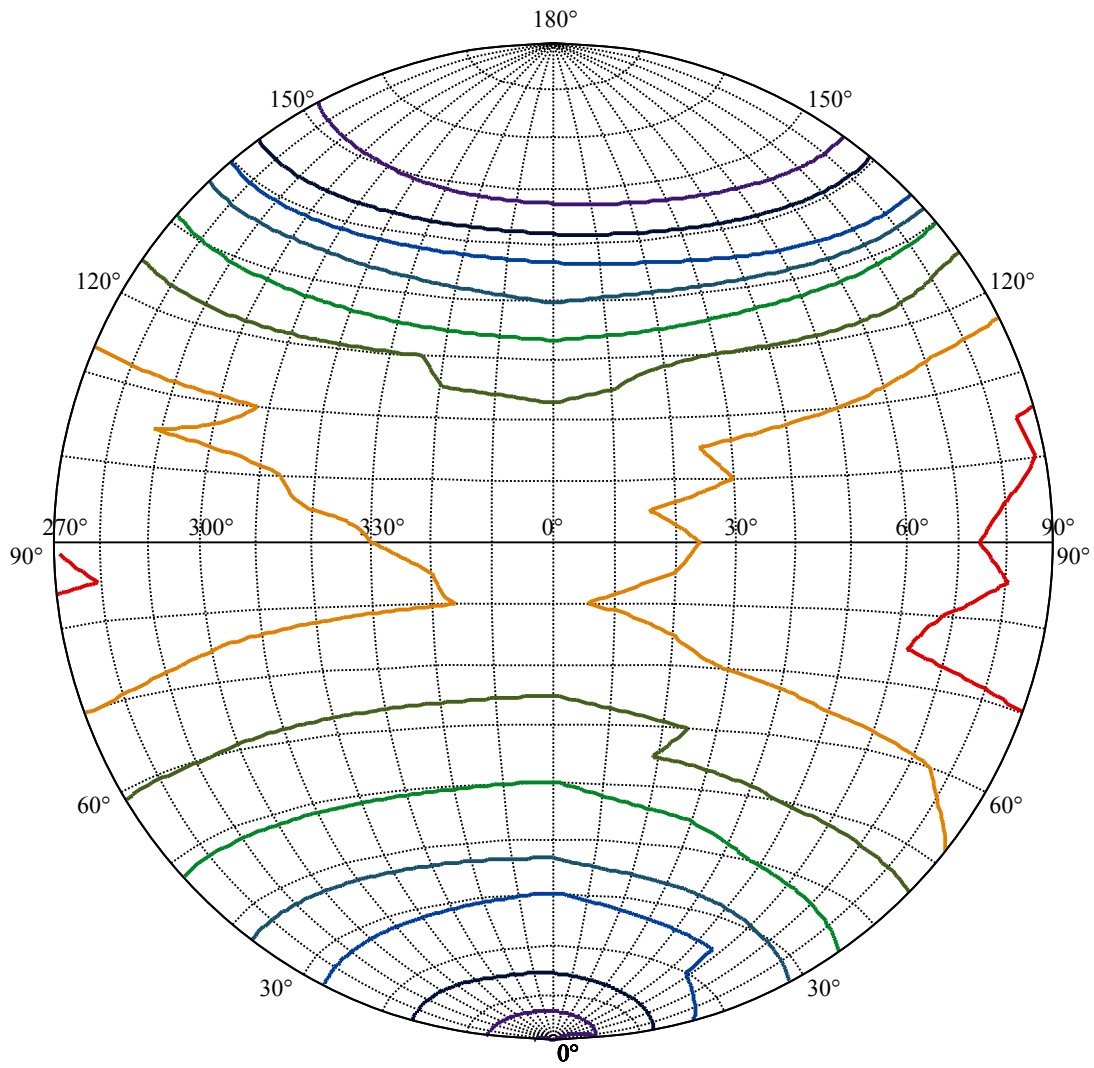


(10%Imax)	6.84499	
(20%Imax)	13.69	
(30%Imax)	20.535	
(40%Imax)	27.38	
(50%Imax)	34.225	
(60%Imax)	41.07	
(70%Imax)	47.915	
(80%Imax)	54.76	
(90%Imax)	61.6049	

Equipment: Goniophotometer
 Temperature(°C): 0.0

Date: 2018/9/11
 Humidity(%): 0.0%

Operator: WANG
 Distance(m): 17.52



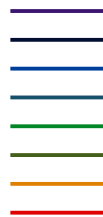
House

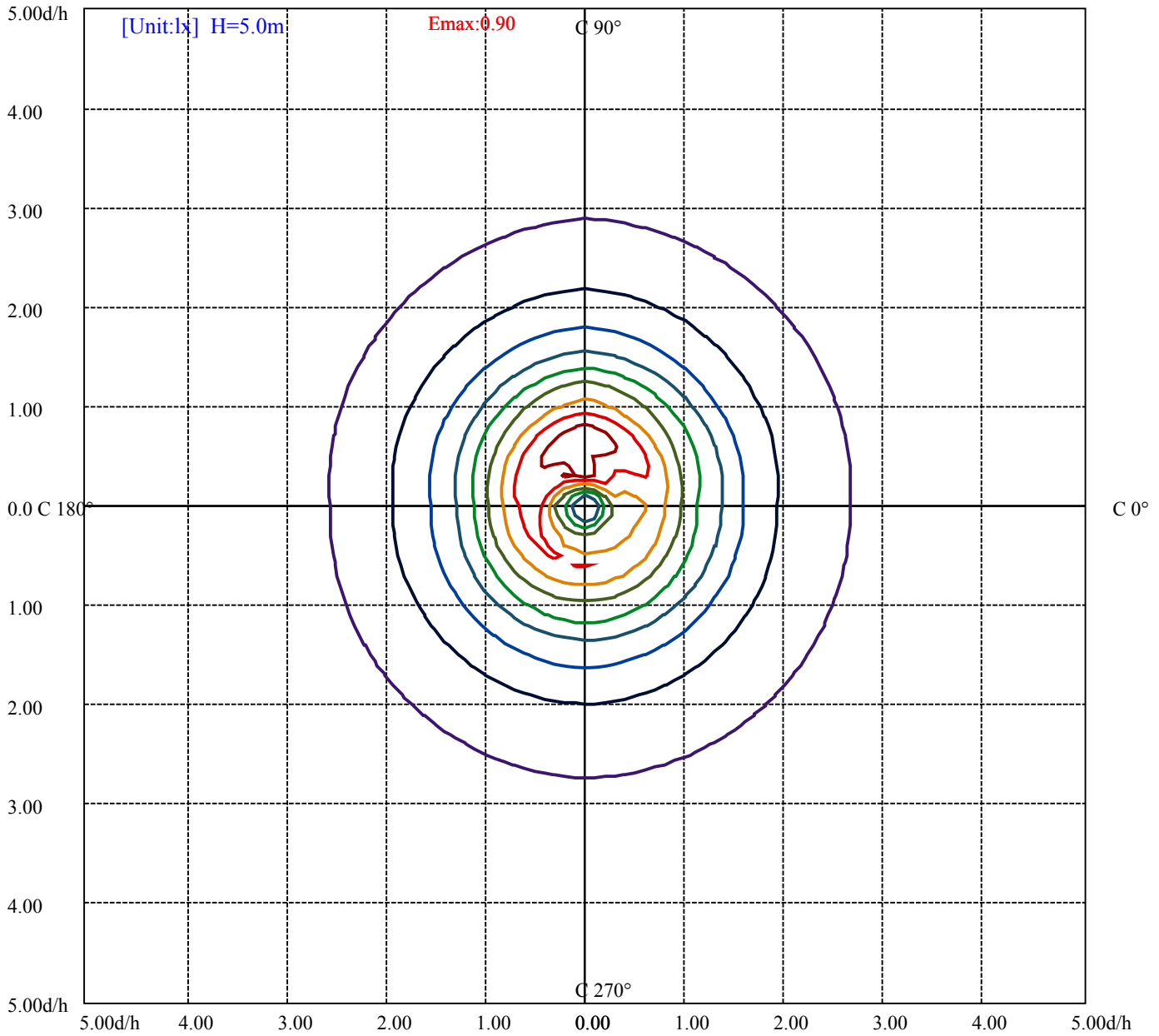
[Unit:cd]

Road

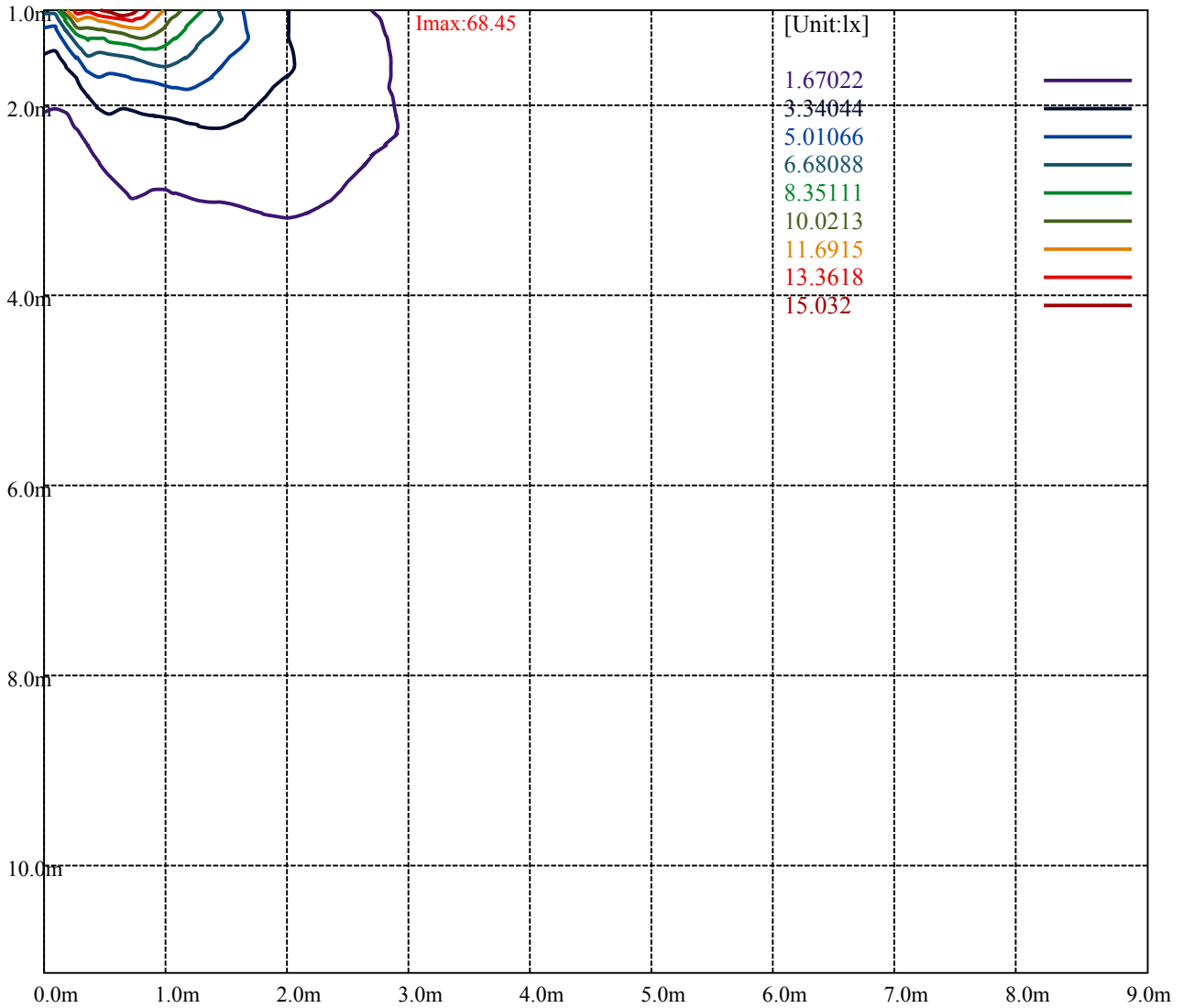
I_{max}:68.45

- (10%I_{max}) 7.90704
- (20%I_{max}) 15.8141
- (30%I_{max}) 23.7211
- (40%I_{max}) 31.6282
- (50%I_{max}) 39.5352
- (60%I_{max}) 47.4423
- (70%I_{max}) 55.3493
- (80%I_{max}) 63.2563





(10%Emax) 0.0898632	—
(20%Emax) 0.1797268	—
(30%Emax) 0.26959	—
(40%Emax) 0.3594532	—
(50%Emax) 0.449316	—
(60%Emax) 0.53918	—
(70%Emax) 0.629044	—
(80%Emax) 0.718908	—
(90%Emax) 0.808768	—



C35-1CD 5.5W 120V 2700K E26

Luminance Limiting Curve(no luminous side)

Luminance Table

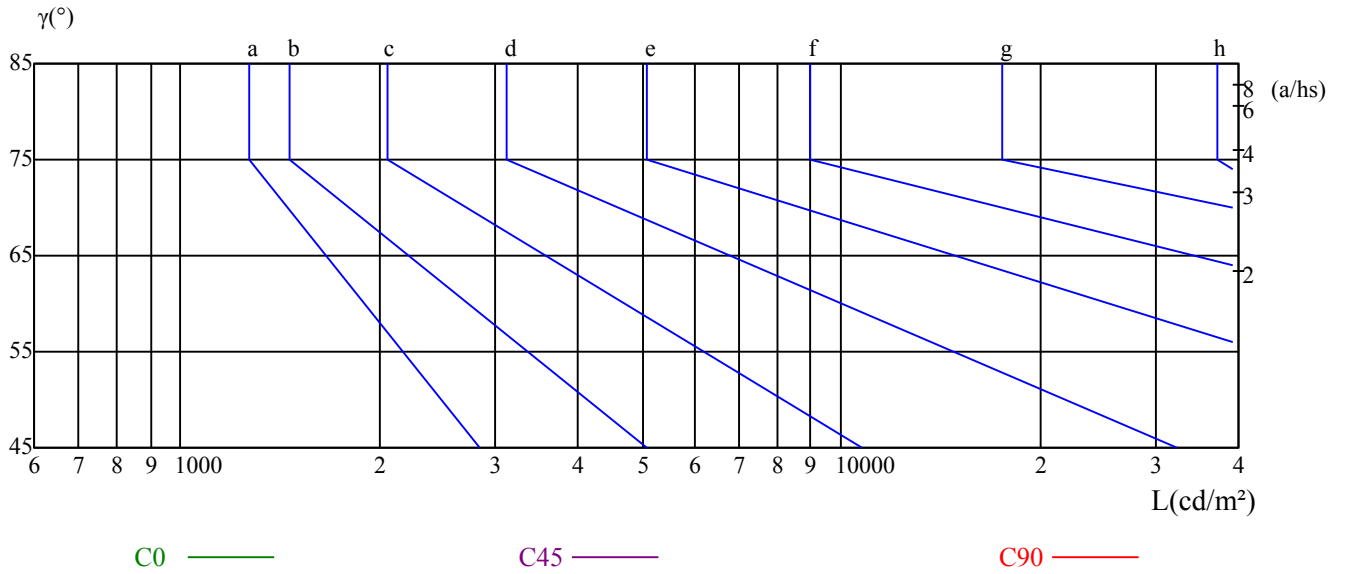
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

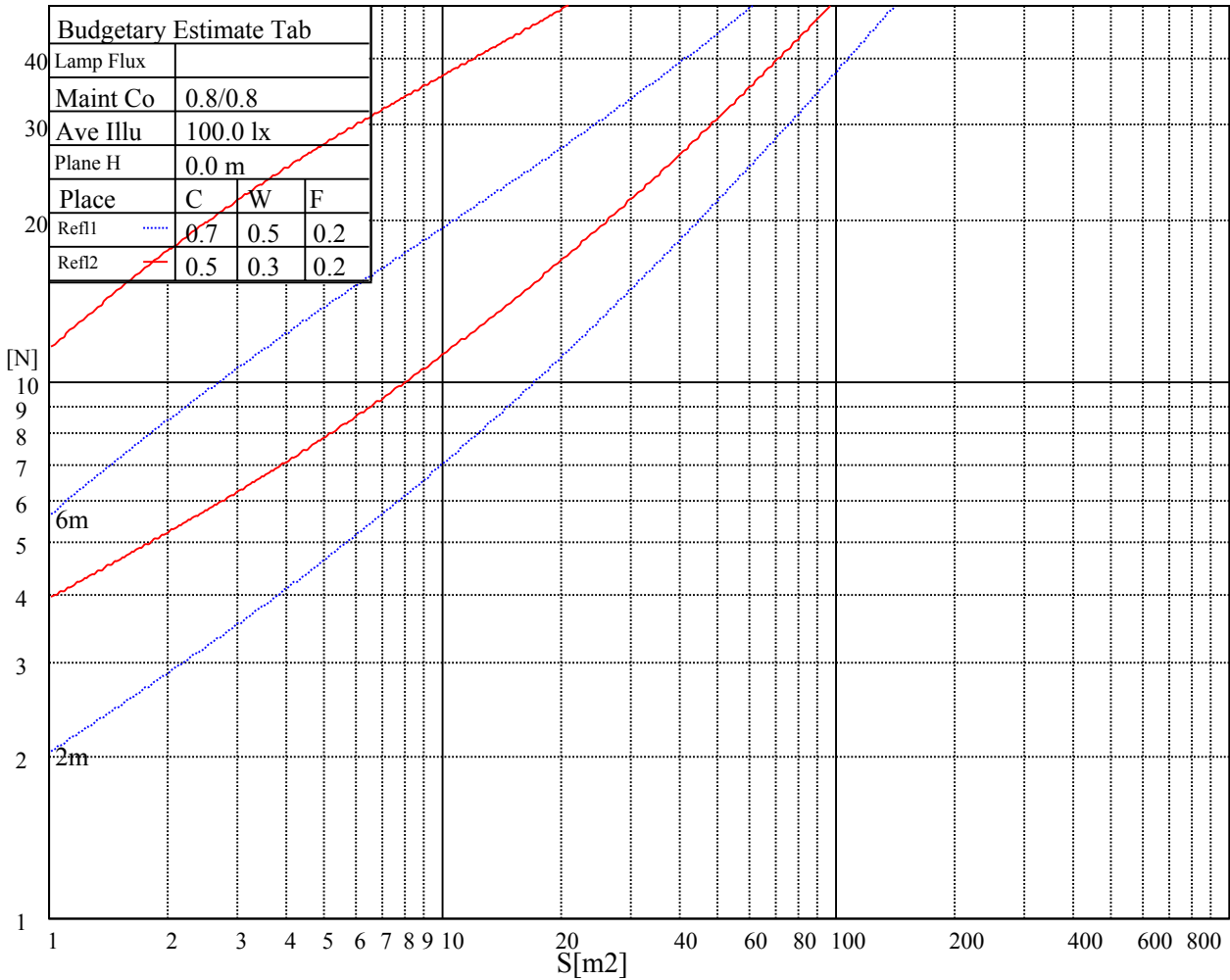
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

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	0.79	0.74	0.79	0.73	0.68	0.66	0.62	0.58	0.54	0.51	0.48	0.43	0.41	0.38	0.33
2	0.71	0.63	0.55	0.65	0.58	0.51	0.54	0.48	0.43	0.44	0.39	0.35	0.35	0.31	0.28	0.23
3	0.61	0.51	0.43	0.56	0.47	0.40	0.46	0.39	0.33	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	0.13	0.10
6	0.41	0.31	0.24	0.37	0.29	0.22	0.31	0.24	0.18	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	0.13	0.20	0.15	0.11	0.16	0.11	0.08	0.05
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	0.13	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

C35-1CD 5.5W 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	7.06	6.75	10.44	16.27	16.27	19.64	23.33	30.39	34.07
90.0	8.90	7.98	12.89	22.10	27.93	26.09	34.69	39.60	44.51
180.0	7.06	7.67	12.28	13.20	19.34	25.78	28.24	32.23	33.76
270.0	8.90	6.75	8.90	15.04	17.80	19.34	28.55	29.77	34.07
360.0	7.06	6.75	10.44	16.27	16.27	19.64	23.33	30.39	34.07
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	36.22	39.29	45.12	43.59	47.58	51.57	51.57	54.64	52.80
90.0	46.66	54.94	56.17	57.71	62.00	63.23	68.45	65.99	64.46
180.0	36.53	37.45	39.60	44.20	46.35	45.43	46.96	47.58	47.58
270.0	36.22	42.05	42.36	48.81	50.03	55.56	57.40	58.63	64.46
360.0	36.22	39.29	45.12	43.59	47.58	51.57	51.57	54.64	52.80
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	51.57	53.41	51.26	52.18	49.11	46.04	45.74	36.22	31.31
90.0	65.69	64.46	63.54	63.85	60.16	57.71	50.95	48.50	39.29
180.0	51.87	48.50	47.27	49.42	42.67	42.36	41.13	36.53	30.39
270.0	62.92	57.71	59.24	56.17	59.86	52.49	52.18	46.96	40.82
360.0	51.57	53.41	51.26	52.18	49.11	46.04	45.74	36.22	31.31
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	26.70	17.80	12.28	3.07	2.76	0.61	0.31	0.31	2.76
90.0	20.57	16.88	6.75	0.31	5.22	4.30	1.53	1.53	0.61
180.0	24.25	14.73	9.82	3.99	2.46	2.76	0.31	1.23	0.00
270.0	34.69	23.02	13.51	11.97	0.92	3.07	0.00	0.00	1.84
360.0	26.70	17.80	12.28	3.07	2.76	0.61	0.31	0.31	2.76
C/γ(°)	180.0								
0.0	2.15								
90.0	0.92								
180.0	2.15								
270.0	0.92								
360.0	2.15								