

# TEST REPORT

## 1. Applicant

Client Name : FEELUX Co. Ltd.  
Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea  
Date of Receipt : 190312

## 2. Purpose of Report :

3. Test Standard / Item : LED / 190312 FN1 50K-24V

4. Test Period : 190312 ~ 190312

## 5. Test Environment

Ambient Temp. : ( 0 +- 3 ) °C  
Relative Humidity : ( 0 +- 10 ) % RH

6. Test Result : Refer to the attachment

### Test Item

Name of Product :

FEELUX

Model / Rating :

Model : FEELUX

Rating :

Confirmation	Test by CGR	Technical manager CGR
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\*\*\*\*\*  
The result shown in this test report refer only to the sample(s) tested unless otherwise stated.  
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This report is for reference only. It cannot replace the report by standard organization(s).

# TEST RESULT

Report Number	Sample Name	Sample Number	Test Standard
190312-01	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3389, 0.3585	
Correlated Color Temperature	K	5249	
Ra	-	79.29	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.483	
Input Watt	W	11.57	
Lamp Flux	lm	417.7	
Efficient	lm/W	36.11	
Illuminance	lx	117	1 m
		29	2 m
		13	3 m

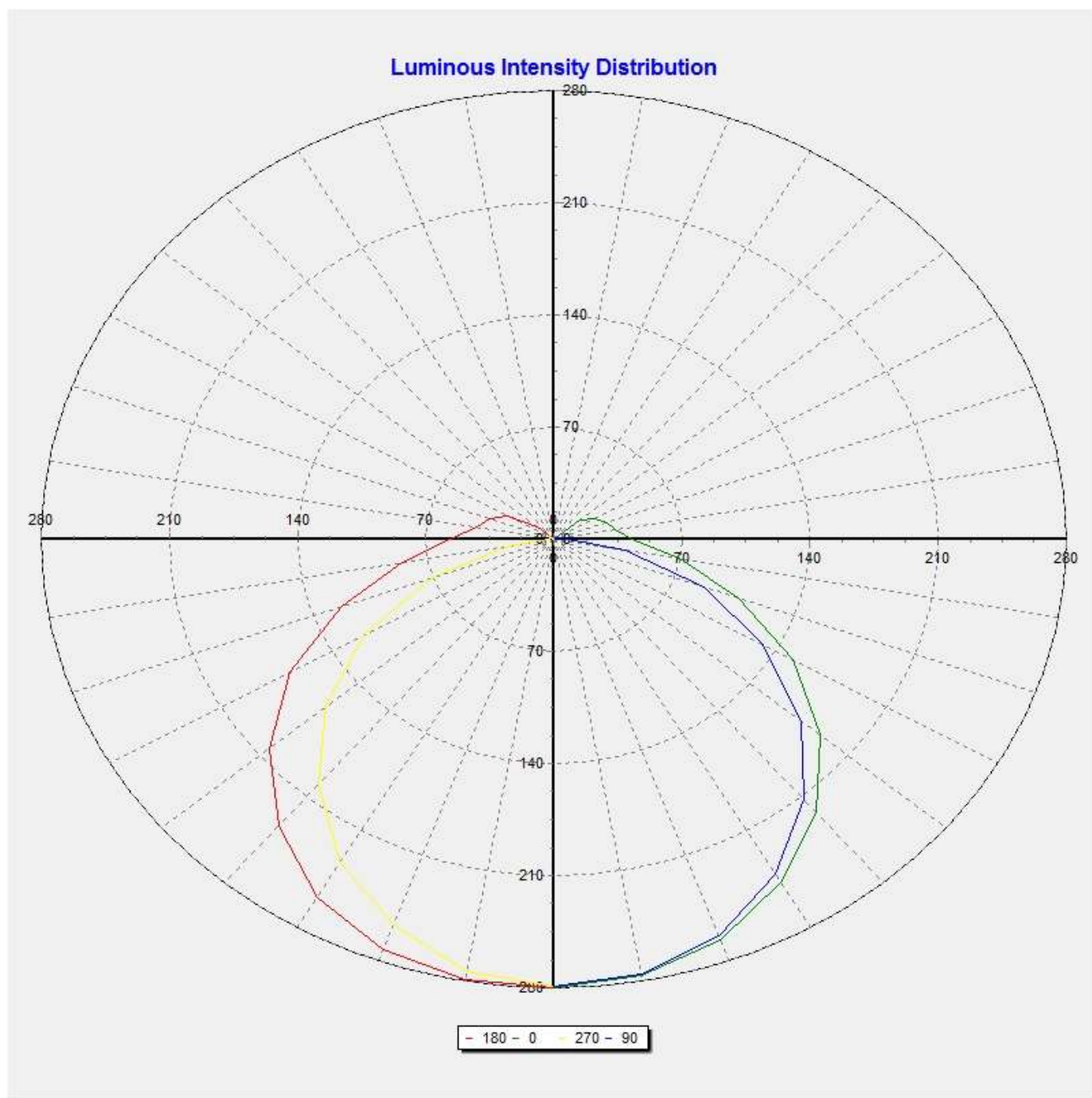
\* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

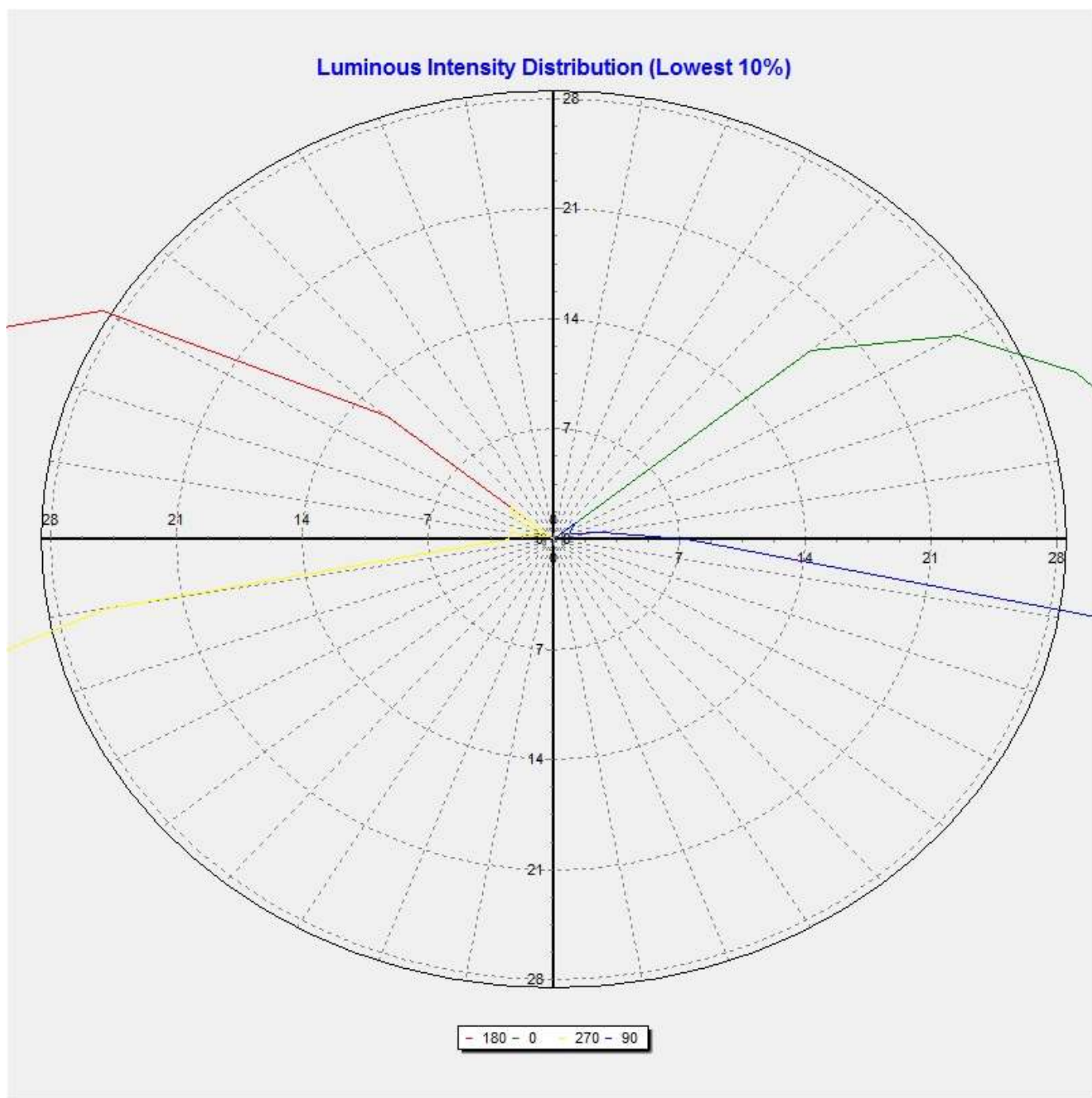
Lamp		Report	190312-01
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190312 Flexible Neon1.jdt
Lamp flux (lm)	418	Operator	Current (A) 0.483 CGR
Total flux (lm)	418	Date	Power Factor 1 2019-03-12 오후 1:32:49



All luminous intensity values are in Cd/KLm unit.

## Luminaire

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## Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	117.08	116.97	116.85	116.56	115.96	116.73	117.08	116.97	116.85	116.56	115.96	116.73	117.08
10	115.68	116.05	115.65	115.38	115.78	117.30	116.64	116.76	115.00	114.36	113.83	114.43	115.68
20	111.19	111.21	109.72	110.12	112.15	113.64	113.86	112.59	109.58	107.00	107.25	109.61	111.19
30	103.62	103.80	101.40	101.15	105.34	107.68	108.07	105.19	100.72	97.50	98.54	101.52	103.62
40	93.08	92.33	90.76	88.65	94.17	98.10	97.78	94.89	88.91	83.64	85.74	89.60	93.08
50	79.44	78.92	76.33	73.67	80.19	86.16	84.77	81.75	74.81	67.91	70.29	74.65	79.44
60	62.93	61.56	58.13	55.01	63.74	69.82	69.42	65.74	58.15	49.95	53.11	58.01	62.93
70	45.01	43.35	39.43	36.39	45.47	52.79	51.57	48.37	38.56	29.57	34.30	40.33	45.01
80	29.16	25.64	20.13	16.58	26.46	35.60	35.31	30.39	20.57	10.60	16.50	24.05	29.16
90	17.71	14.64	8.55	3.08	13.42	22.64	23.72	19.45	9.33	1.04	7.77	14.08	17.71
100	14.35	11.97	6.72	1.12	8.80	17.25	17.91	15.43	7.00	1.03	6.39	11.49	14.35
110	12.92	10.58	5.48	0.44	4.08	14.20	15.47	13.15	3.40	0.21	3.49	10.90	12.92
120	10.86	7.63	0.73	0.43	1.39	8.68	12.12	8.77	0.72	1.02	0.95	7.16	10.86
130	7.79	1.15	2.77	0.66	2.55	1.59	5.07	2.05	2.76	1.29	3.36	0.98	7.79

# Luminaire

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## Luminous Flux Table

Total Lamp Lumens: 418  
 Luminaire Efficiency (lm/W): 417.68  
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.79	2.79	0.67	0.67
10	21.98	24.77	5.93	5.93
20	41.45	66.22	15.85	15.85
30	56.34	122.56	29.34	29.34
40	64.40	186.96	44.76	44.76
50	64.94	251.90	60.31	60.31
60	57.35	309.25	74.04	74.04
70	43.32	352.58	84.41	84.41
80	26.15	378.73	90.67	90.67
90	14.19	392.92	94.07	94.07
100	10.74	403.65	96.64	96.64
110	8.09	411.74	98.57	98.58
120	4.78	416.52	99.72	99.72
130	1.16	417.68	100.00	100.00

Luminaire

Lamp

Report

190312-01

No. of lamps

1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190312 Flexible Neon1.jdt

Lamp flux (lm)

418

Operator Current (A)

0.483

CGR

Total flux (lm)

418

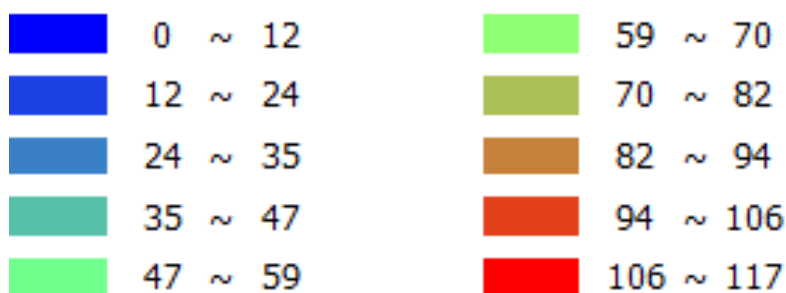
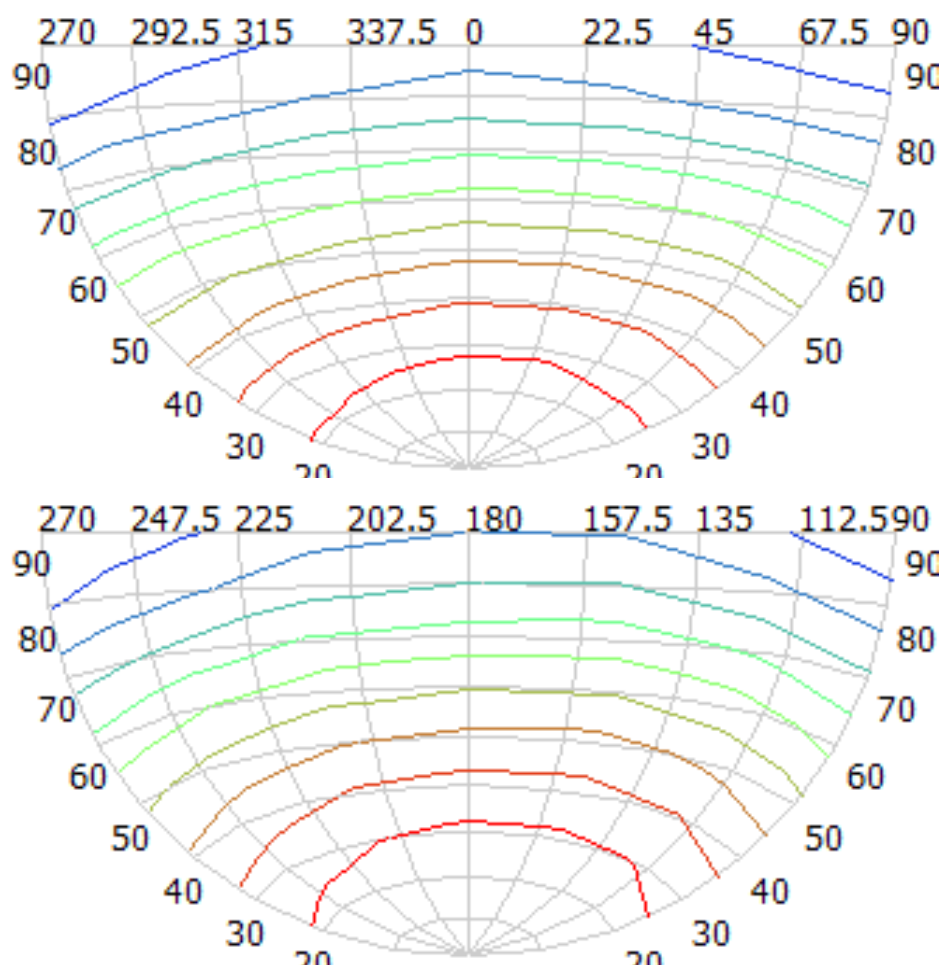
Date

Power Factor

1

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### IsoCandela (Type C)

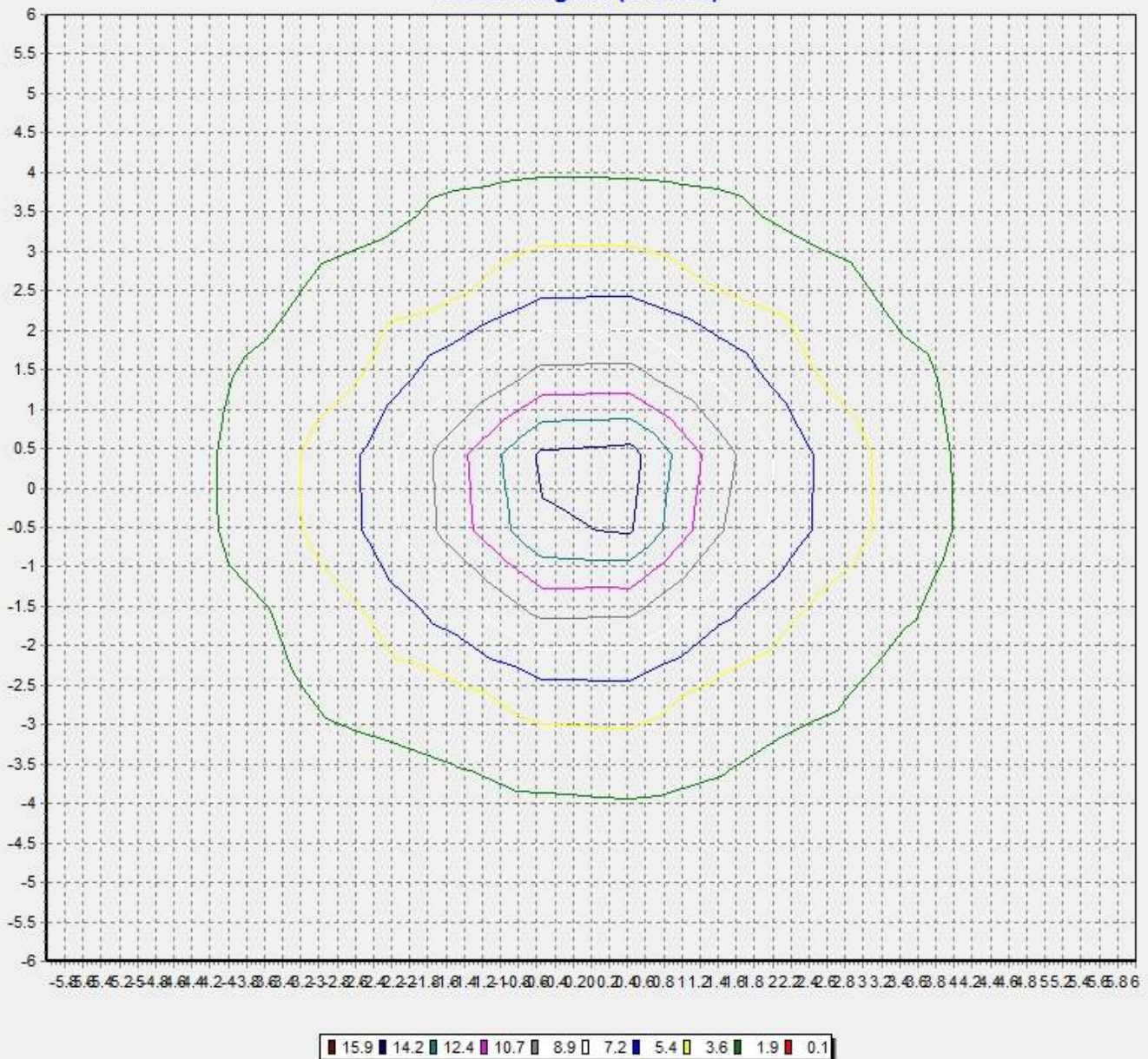




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IsoLux Diagram (Ground)



Pole Height (m): 2.7

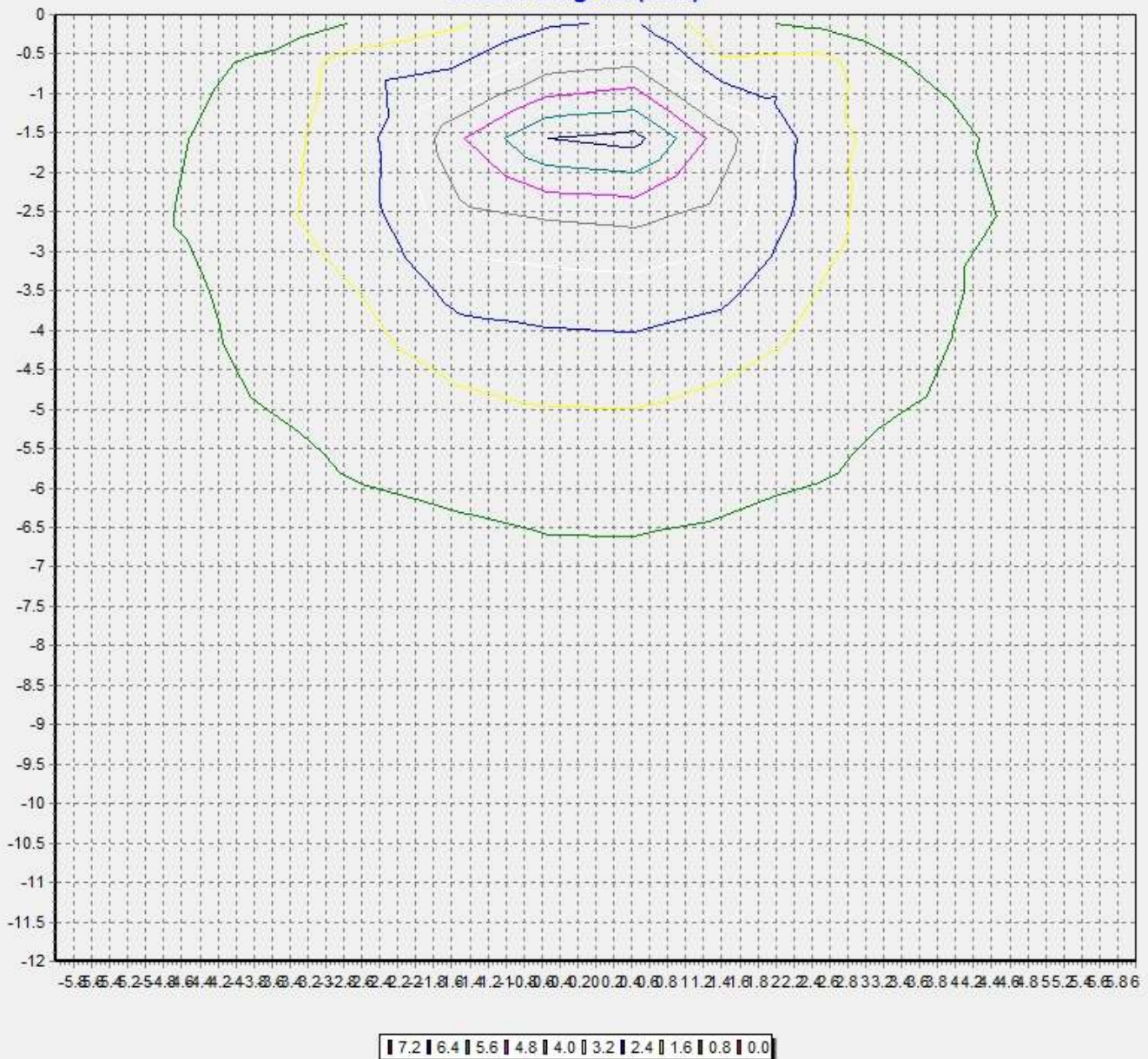
Area Width (m): 12



# Luminaire

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IsoLux Diagram (Wall)



Pole Height (m): 2.7 Wall Distance (m): 2.7  
Aiming Plane: 0 Wall Height (m): 12

## Luminaire

## Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	418	Current (A)	0.483
Total flux (lm)	418	Power Factor	1

## Report

190312-01

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190312 Flexible Neon1.jdt

Operator CGR

Date 2019-03-12 오후 1:32:49

## Illuminance Levels (Ground)

6.00	0.21	0.27	0.23	0.34	0.40	0.42	0.42	0.41	0.40	0.33	0.24	0.28	0.22
5.00	0.32	0.27	0.36	0.47	0.90	1.00	1.04	1.00	0.89	0.49	0.37	0.29	0.29
4.00	0.31	0.45	0.76	1.06	1.22	1.41	1.50	1.41	1.20	1.09	0.78	0.40	0.27
3.00	0.36	0.62	1.21	1.35	2.50	2.94	3.15	2.95	2.55	1.41	1.13	0.55	0.34
2.00	0.45	0.94	1.26	2.77	3.71	5.89	6.62	5.80	3.80	2.62	1.21	0.91	0.41
1.00	0.54	1.15	1.68	3.12	5.95	10.02	13.03	10.06	5.82	3.00	1.48	1.03	0.45
0.00	0.56	1.21	1.82	3.59	7.21	13.18	16.06	13.07	6.89	3.37	1.67	1.13	0.50
-1.00	0.54	1.16	1.69	3.14	5.99	10.32	12.91	9.55	5.43	2.73	1.49	1.04	0.46
-2.00	0.46	0.95	1.29	2.76	3.98	5.93	6.30	5.39	3.38	2.49	1.05	0.81	0.35
-3.00	0.37	0.61	1.20	1.52	2.52	2.99	2.92	2.63	2.33	1.19	1.04	0.50	0.28
-4.00	0.31	0.45	0.84	1.08	1.26	1.34	1.37	1.35	1.04	0.96	0.67	0.35	0.24
-5.00	0.32	0.32	0.38	0.49	0.92	0.94	0.96	0.96	0.79	0.40	0.29	0.21	0.26
-6.00	0.24	0.28	0.24	0.36	0.42	0.37	0.36	0.40	0.32	0.27	0.18	0.24	0.18
-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	

Illum. (Max.): 16.1

All illuminance level values are in lux.

Illum. (Min.): 0.18

Illum. Avg.: 2.03

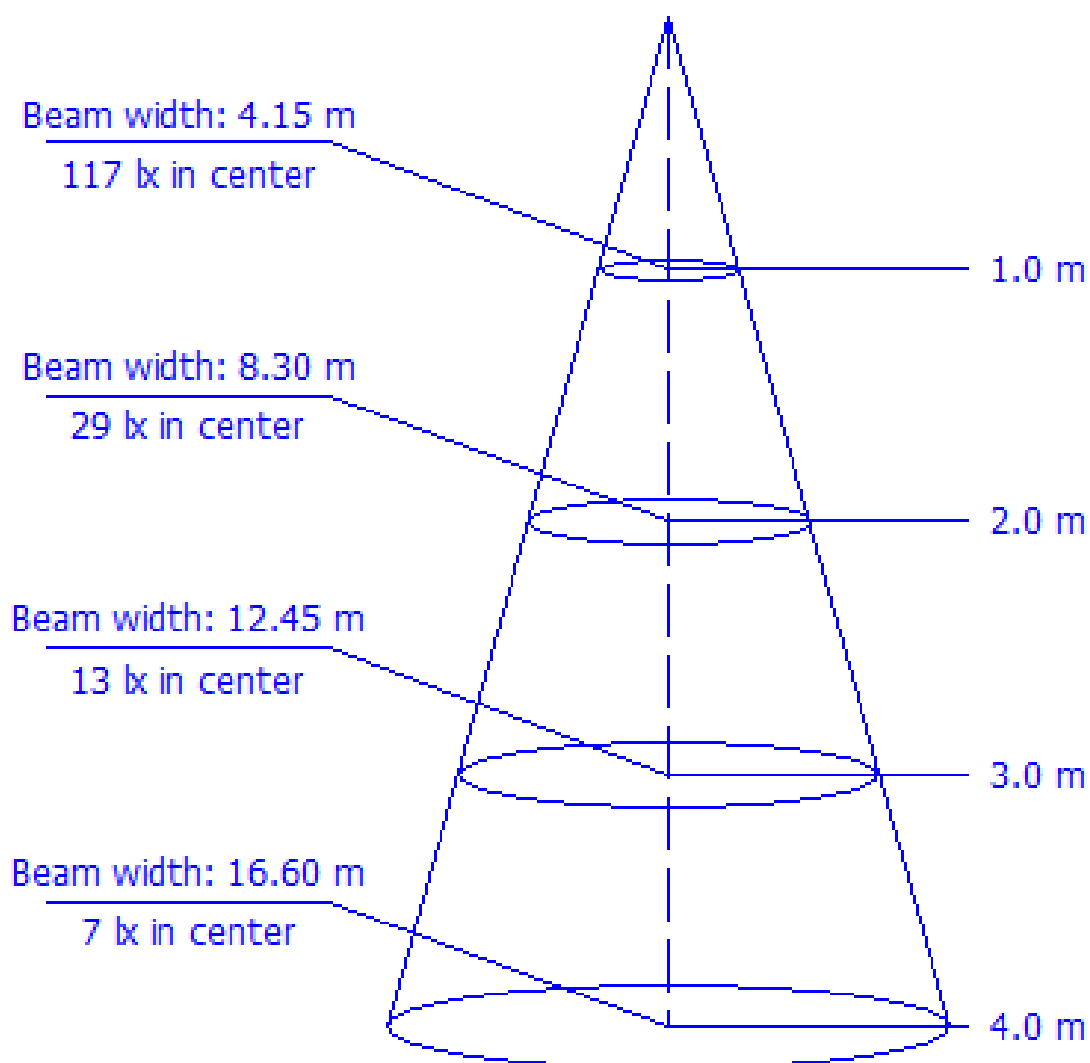
Total Optical Solution Provider


<http://www.jnctech.co.kr>  
J & C Technology Co., Ltd.

# Luminaire

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## Illuminance Cone Diagram



Beam Angle = 129 deg.

Based on 50% of maximum illuminance.

## Luminaire

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190312-01

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## Operator

CGR

## Date

2019-03-12 오후 1:32:49

## Coefficient of Utilization

Refl. Ceiling (%)	80%	80%	80%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
Refl. Wall (%)	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
Eff. Floor Cavity Refl.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Room CR 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00