

# 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 : 20190129

## 2. Purpose of Report :

3. Test Standard / Item : LED / 190211 FN1 GR-24V

4. Test Period : 20190129 ~ 20190129

## 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 JSY	Technical manager JSY
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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
	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.1301, 0.6971	
Correlated Color Temperature	K	8802	
Ra	-	-26.21	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.467	
Input Watt	W	11.18	
Lamp Flux	lm	211.2	
Efficient	lm/W	18.88	
Illuminance	lx	60	1 m
		15	2 m
		7	3 m

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

Sample photo

Click to load image

# Luminaire

## Lamp

No. of lamps 1

Lamp flux (lm) 211

Total flux (lm) 211

## Report

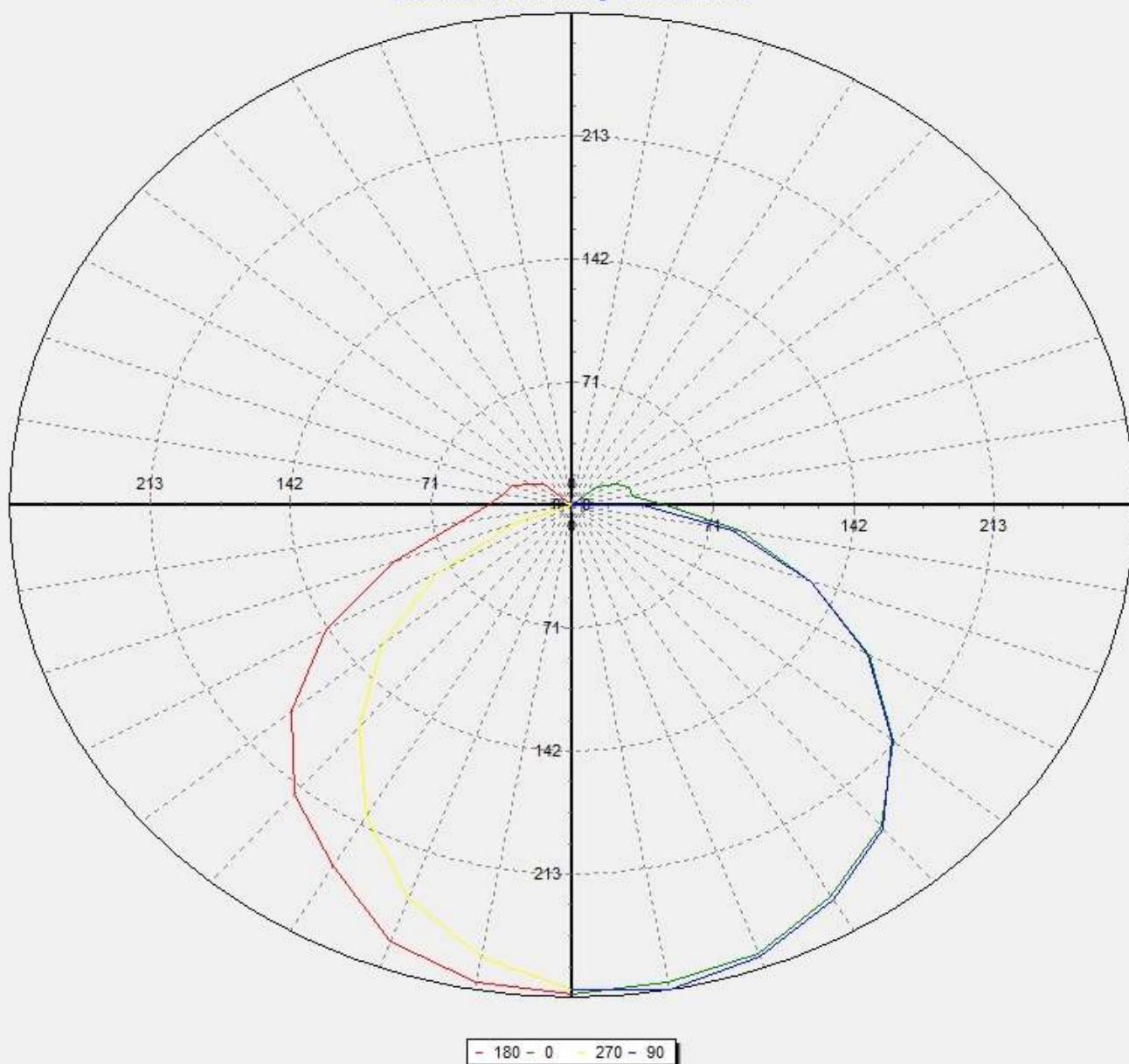
Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt

Operator rrent (A) 0.467

Date Power Factor 1

2019-02-11 오후 2:36:00

## Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

## Luminaire

## Lamp

## Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt

Lamp flux (lm) 211

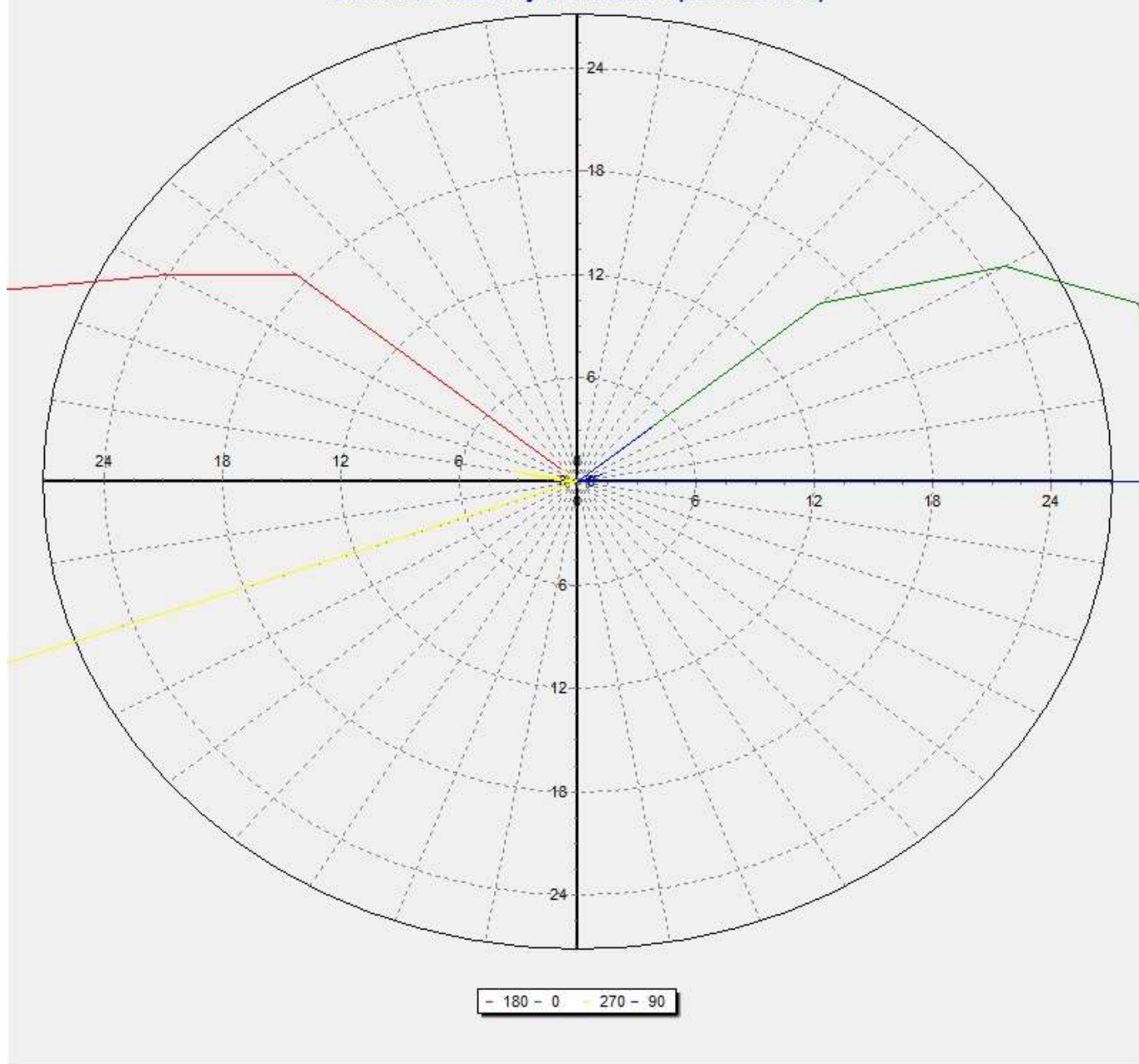
Operator rrent (A) 0.467

Total flux (lm) 211

Date Power Factor 1

2019-02-11 오후 2:36:00

## Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

## Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt
Lamp flux (lm)	211	Operator	rrrent (A) 0.467
Total flux (lm)	211	Date	2019-02-11 오후 2:36:00
		Power Factor	1

## Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	59.56	58.96	59.36	59.06	59.58	61.31	59.56	58.96	59.36	59.06	59.58	61.31	59.56
10	58.90	59.10	59.95	59.89	58.06	59.76	58.91	58.85	58.05	55.79	58.96	60.24	58.90
20	58.10	57.34	56.98	58.57	56.14	57.65	56.53	56.66	56.30	50.83	56.46	57.53	58.10
30	55.00	53.98	52.37	55.54	51.18	53.02	50.87	52.70	51.59	43.91	51.33	54.65	55.00
40	51.09	49.67	46.95	51.41	45.11	47.09	45.94	45.79	44.94	35.38	46.75	50.26	51.09
50	44.69	43.32	39.61	44.36	37.87	40.04	38.94	38.19	38.48	26.58	39.07	42.81	44.69
60	36.45	34.91	30.88	36.41	28.46	32.28	30.27	30.31	29.30	16.73	30.07	34.61	36.45
70	26.99	25.40	21.77	27.09	19.59	21.80	20.19	20.96	19.04	6.53	20.76	25.26	26.99
80	18.18	15.84	12.12	17.39	9.95	13.08	12.37	11.87	9.35	0.01	10.64	14.96	18.18
90	9.84	8.11	3.96	7.57	4.14	7.97	8.88	7.22	3.78	0.14	3.57	7.84	9.84
100	6.55	6.15	3.21	0.04	4.03	7.33	7.48	6.54	2.99	0.69	2.96	6.30	6.55
110	6.38	5.88	2.80	0.28	2.68	6.13	6.76	5.88	2.08	-0.04	2.39	5.34	6.38
120	5.28	4.11	0.40	-0.45	0.76	3.75	5.07	4.39	1.11	-0.21	0.93	3.83	5.28
130	3.38	1.75	0.88	1.04	0.61	2.82	3.93	0.65	1.42	0.21	1.24	0.95	3.38

# Luminaire

Lamp		Report		
No. of lamps	1	Filename: C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt		
Lamp flux (lm)	211	Operator	rrrent (A)	0.467
Total flux (lm)	211	Date	Power Factor	1

2019-02-11 오후 2:36:00

## Luminous Flux Table

Total Lamp Lumens: 211

Luminaire Efficiency (lm/W): 211.22

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.43	1.43	0.68	0.68
10	11.20	12.62	5.98	5.98
20	21.20	33.82	16.01	16.01
30	28.57	62.40	29.54	29.54
40	32.88	95.27	45.11	45.10
50	33.14	128.41	60.80	60.79
60	29.30	157.71	74.67	74.66
70	21.90	179.61	85.04	85.03
80	13.10	192.71	91.25	91.24
90	6.66	199.38	94.40	94.39
100	4.88	204.26	96.71	96.70
110	3.99	208.25	98.60	98.59
120	2.29	210.54	99.69	99.68
130	0.68	211.22	100.01	100.00

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt

Lamp flux (lm) 211

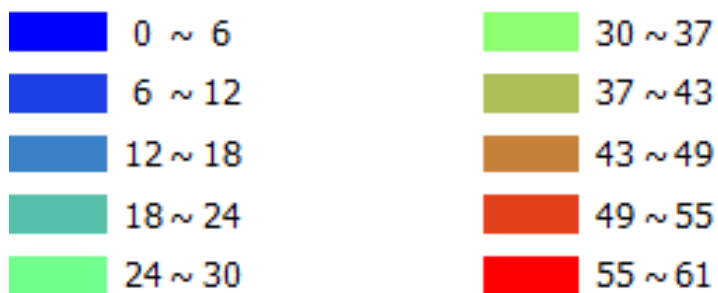
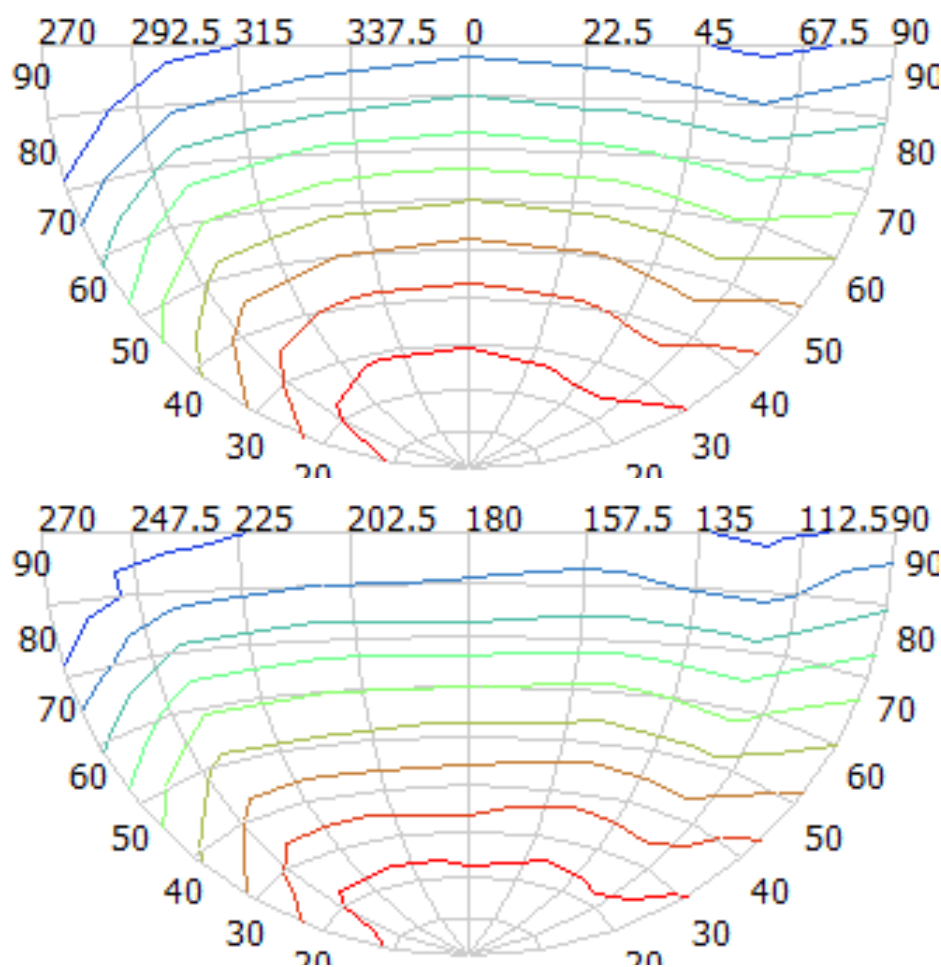
Operator rrent (A) 0.467

Total flux (lm) 211

Date Power Factor 1

2019-02-11 오후 2:36:00

### IsoCandela (Type C)





Luminaire

Lamp

Report

No. of lamps 1

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Lamp flux (lm) 211

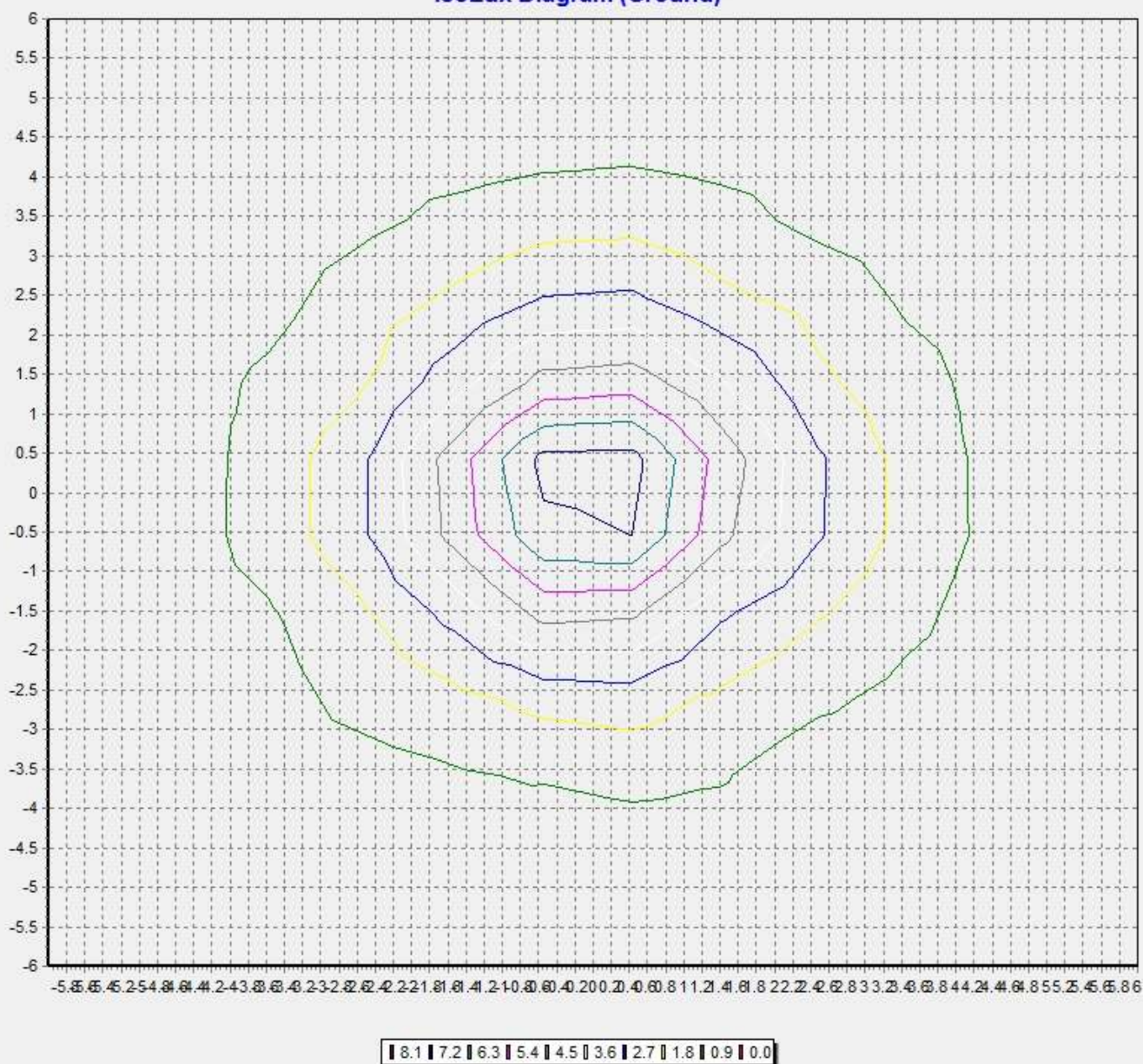
Operator rrent (A) 0.467

Total flux (lm) 211

Date Power Factor 1

2019-02-11 오후 2:36:00

IsoLux Diagram (Ground)



Pole Height (m): 2.7

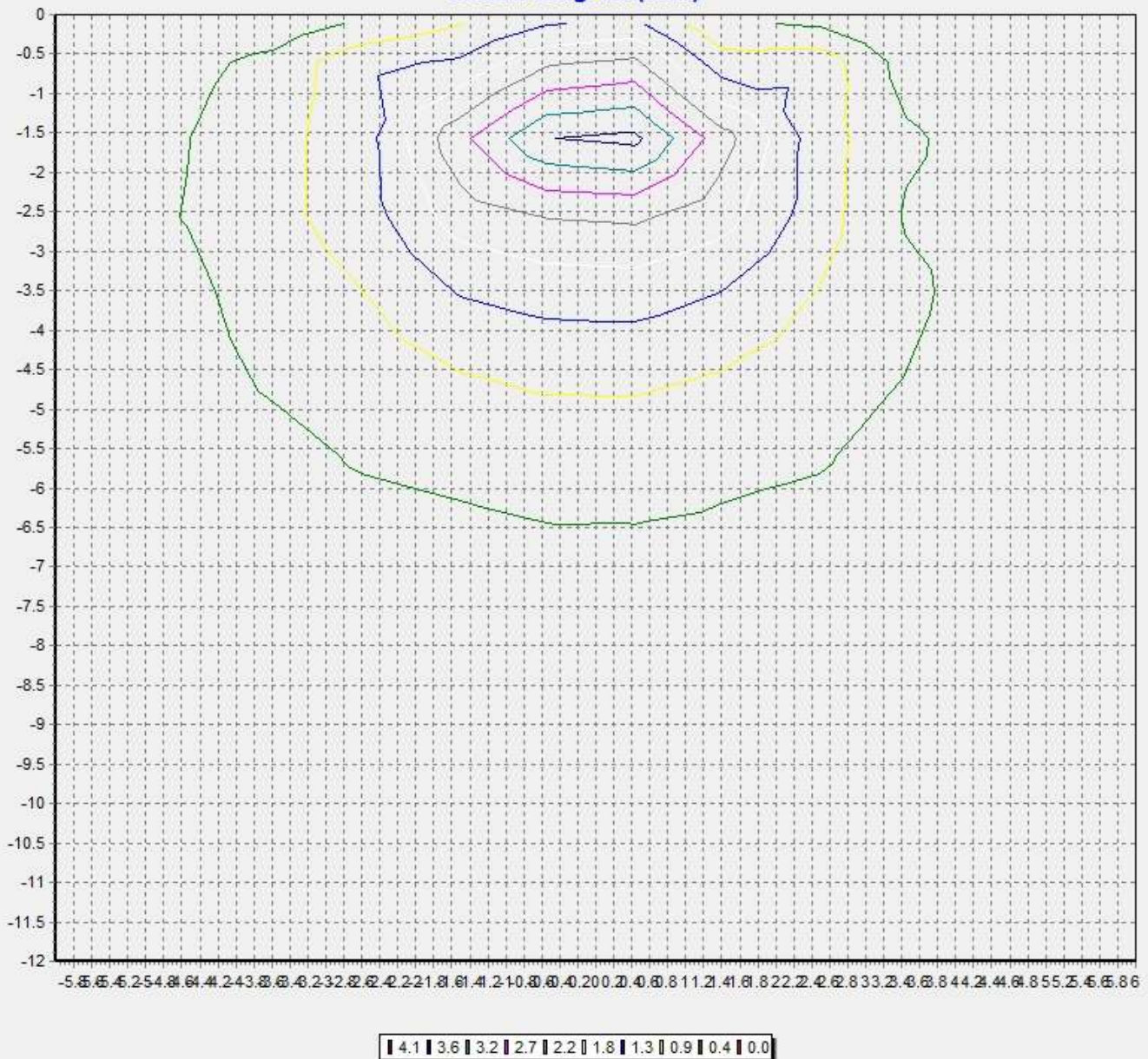
Area Width (m): 12



# Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt
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		Power Factor	1

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)	211	Current (A)	0.467
Total flux (lm)	211	Power Factor	1

## Report

Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 GR-24V.jdt
Operator	
Date	2019-02-11 오후 2:36:00

## Illuminance Levels (Ground)

6.00	0.12	0.16	0.16	0.16	0.21	0.25	0.29	0.27	0.22	0.19	0.13	0.15	0.13
5.00	0.14	0.15	0.22	0.32	0.45	0.56	0.63	0.57	0.49	0.27	0.20	0.17	0.17
4.00	0.13	0.19	0.41	0.61	0.58	0.82	0.95	0.82	0.67	0.57	0.44	0.24	0.16
3.00	0.15	0.27	0.56	0.73	1.43	1.53	1.88	1.59	1.33	0.80	0.63	0.32	0.20
2.00	0.19	0.44	0.57	1.32	1.98	2.89	3.76	3.10	2.09	1.44	0.68	0.50	0.24
1.00	0.23	0.53	0.76	1.47	2.86	5.18	6.77	5.27	3.13	1.66	0.86	0.59	0.27
0.00	0.23	0.55	0.81	1.66	3.39	6.65	8.17	6.66	3.73	1.89	0.96	0.64	0.29
-1.00	0.23	0.53	0.77	1.46	2.89	5.05	6.29	4.68	2.97	1.54	0.86	0.59	0.28
-2.00	0.20	0.44	0.59	1.29	1.86	2.88	2.73	2.86	1.62	1.40	0.60	0.46	0.21
-3.00	0.16	0.26	0.55	0.69	1.27	1.45	1.16	1.30	1.01	0.55	0.60	0.30	0.16
-4.00	0.12	0.19	0.38	0.54	0.59	0.58	0.50	0.60	0.56	0.41	0.31	0.21	0.15
-5.00	0.14	0.13	0.18	0.24	0.44	0.41	0.37	0.45	0.40	0.12	0.11	0.09	0.15
-6.00	0.11	0.14	0.12	0.16	0.19	0.13	0.10	0.18	0.15	0.15	0.05	0.10	0.08
-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.): 8.17

All illuminance level values are in lux.

Illum. (Min.): 0.05

Illum. Avg.: 1.03

Total Optical Solution Provider


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

# Luminaire

## Lamp

No. of lamps 1

Lamp flux (lm) 211

Total flux (lm) 211

## Report

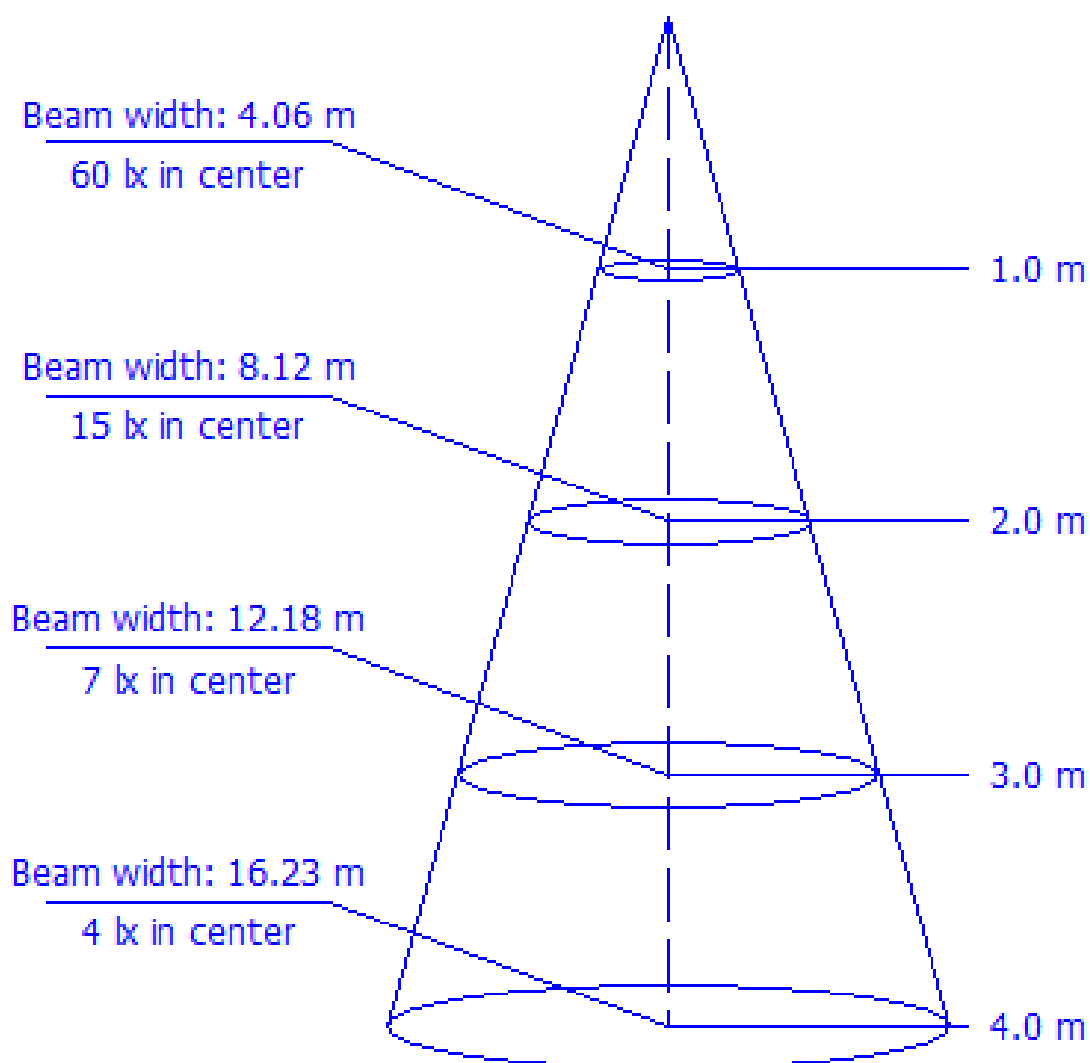
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Operator rrent (A) 0.467

Date Power Factor 1

2019-02-11 오후 2:36:00

## Illuminance Cone Diagram



Beam Angle = 128 deg.

Based on 50% of maximum illuminance.

## Luminaire

## Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	211	Current (A)	0.467
Total flux (lm)	211	Power Factor	1

## Report

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Operator

Date

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## 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