

# 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 27K-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.  
 This report cannot be reproduced, except in full.  
 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		0.4657, 0.4222	
Correlated Color Temperature	K	2726	
Ra	-	82.49	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.464	
Input Watt	W	11.12	
Lamp Flux	lm	333.6	
Efficient	lm/W	30.02	
Illuminance	lx	93	1 m
		23	2 m
		10	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) 334

Total flux (lm) 334

## Report

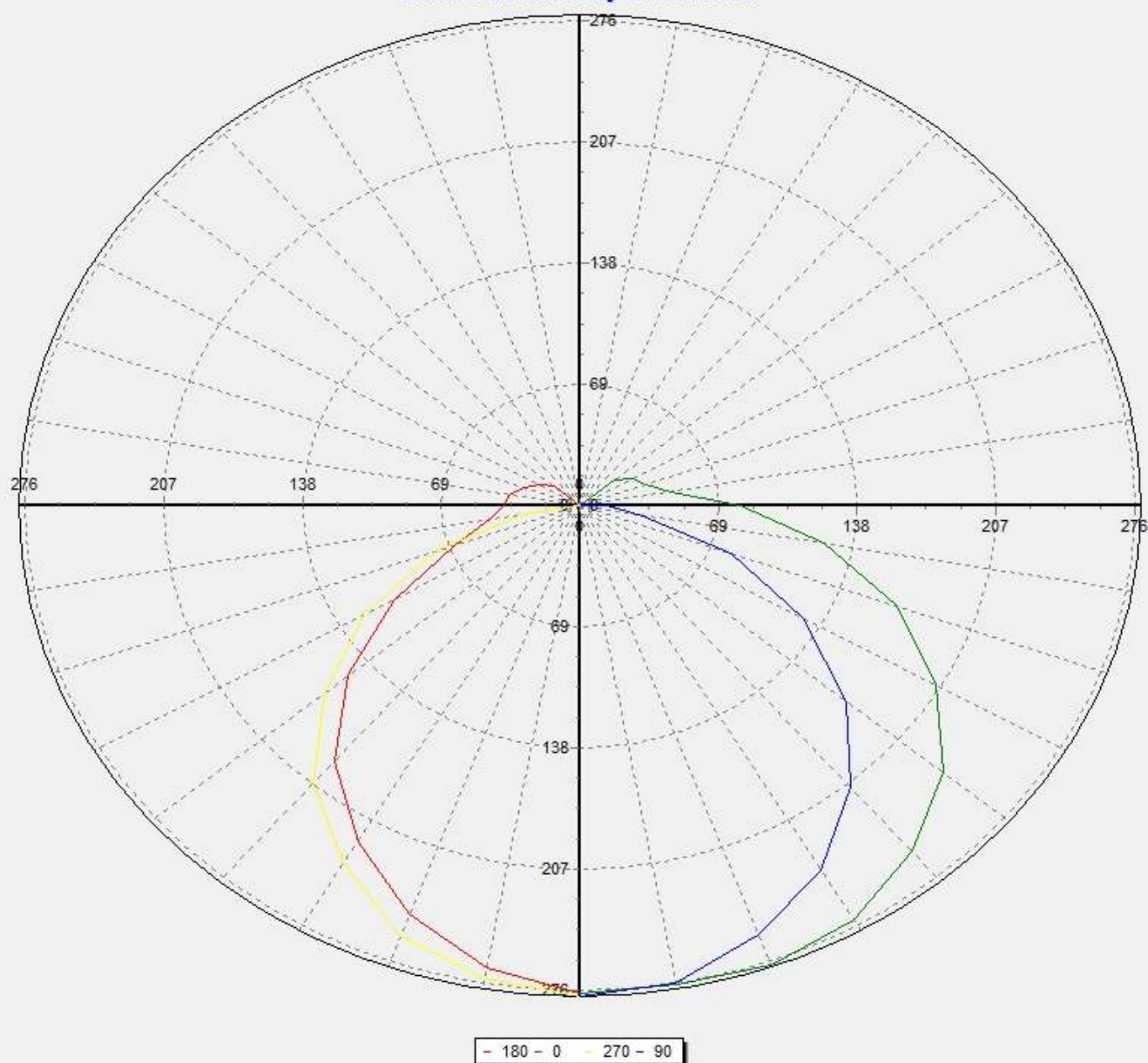
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt

Operatorcurrent (A) 0.464

Date Power Factor 1

2019-02-11 오후 2:08:47

## 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 27K-24V.jdt

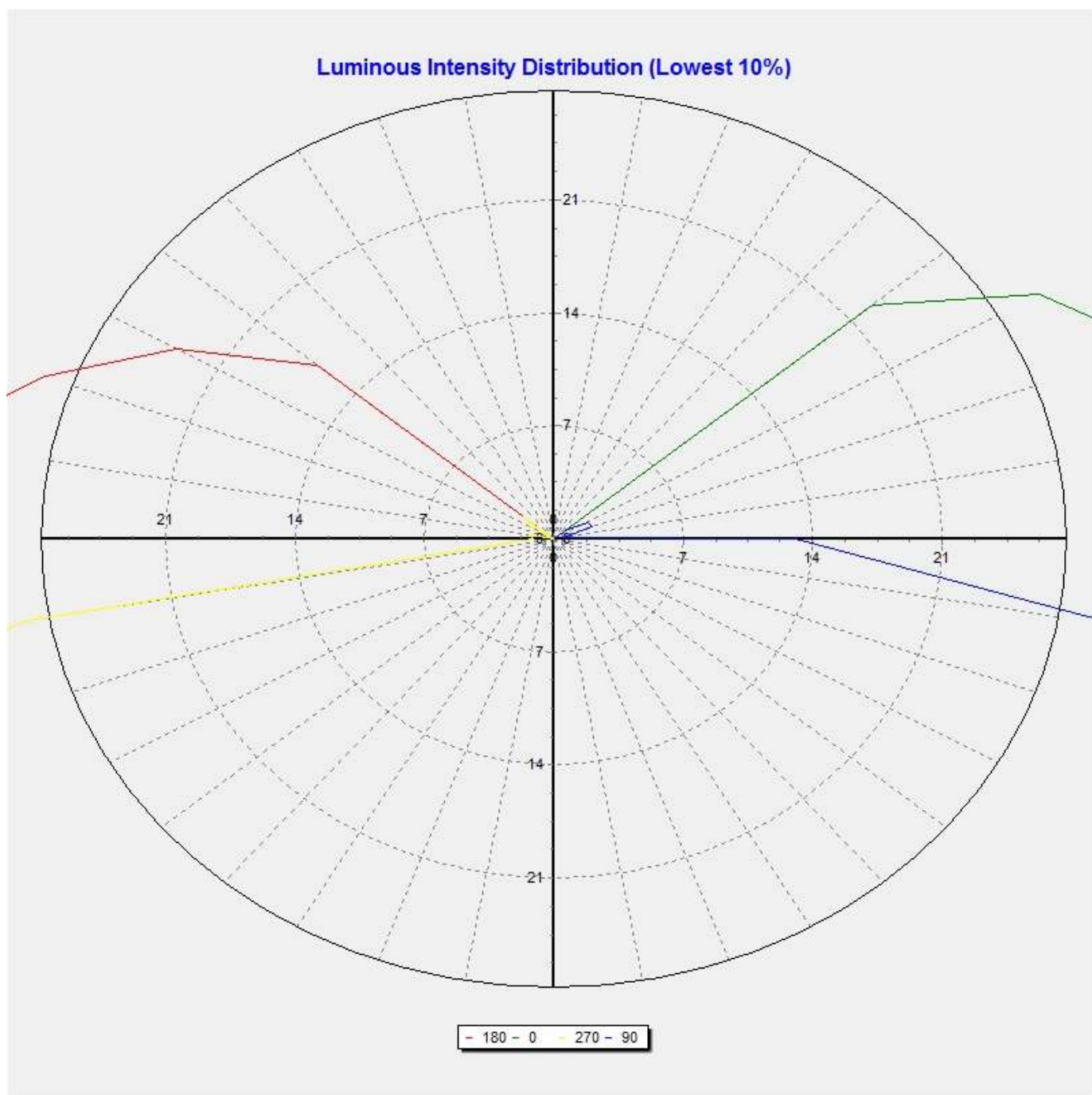
Lamp flux (lm) 334

Operator current (A) 0.464

Total flux (lm) 334

Date Power Factor 1

2019-02-11 오후 2:08:47



All luminous intensity values are in Cd/Klm unit.

## Luminaire

Lamp	Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt	
Lamp flux (lm)	334	Operator	current (A) 0.464
Total flux (lm)	334	Date	Power Factor 1

2019-02-11 오후 2:08:47

## Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	92.58	92.76	92.59	93.29	92.64	93.09	92.58	92.76	92.59	93.29	92.64	93.09	92.58
10	92.51	93.09	92.99	92.05	90.65	91.68	89.21	89.87	90.53	91.23	93.04	94.24	92.51
20	92.86	91.54	89.61	86.91	86.02	84.93	82.69	83.68	84.92	87.32	88.46	92.30	92.86
30	91.10	88.52	82.77	79.98	77.30	76.44	73.75	74.06	77.31	78.41	82.45	88.78	91.10
40	85.73	82.59	75.96	69.91	67.56	65.82	63.57	64.31	66.25	69.05	74.91	83.03	85.73
50	78.81	74.52	65.19	57.79	54.40	52.97	50.20	51.43	52.69	55.64	63.83	74.41	78.81
60	68.50	63.59	53.04	42.70	40.28	38.75	35.67	36.32	38.71	41.40	52.20	63.22	68.50
70	56.05	50.48	39.33	26.62	24.04	24.29	22.18	22.51	22.80	25.34	38.27	50.60	56.05
80	41.25	36.33	25.18	10.66	11.26	14.01	15.08	13.64	10.32	9.70	23.27	35.08	41.25
90	26.52	22.42	11.04	4.36	5.91	11.88	12.57	11.87	5.27	0.36	9.20	20.28	26.52
100	15.29	12.06	5.82	0.17	5.03	10.42	11.77	10.20	5.03	0.45	5.84	11.21	15.29
110	11.63	10.61	5.37	0.73	3.98	8.45	9.79	8.34	3.26	-0.17	4.56	9.80	11.63
120	10.13	7.29	0.00	0.70	0.90	5.65	7.86	4.67	0.30	0.31	0.65	6.36	10.13
130	7.52	5.06	2.71	0.33	1.07	3.45	5.58	0.66	1.39	0.72	2.72	2.52	7.52

# Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt		
Lamp flux (lm)	334	Operator	current (A)	0.464
Total flux (lm)	334	Date	Power Factor	1

2019-02-11 오후 2:08:47

## Luminous Flux Table

Total Lamp Lumens: 334

Luminaire Efficiency (lm/W):333.56

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.22	2.22	0.67	0.67
10	17.45	19.67	5.90	5.90
20	32.82	52.49	15.73	15.73
30	44.31	96.79	29.01	29.02
40	50.96	147.75	44.29	44.30
50	51.17	198.92	59.63	59.64
60	45.40	244.32	73.24	73.25
70	34.52	278.84	83.59	83.60
80	22.09	300.94	90.21	90.22
90	12.93	313.87	94.09	94.09
100	8.38	322.25	96.60	96.61
110	6.55	328.80	98.56	98.57
120	3.54	332.34	99.62	99.63
130	1.22	333.56	99.99	100.00

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt

Lamp flux (lm) 334

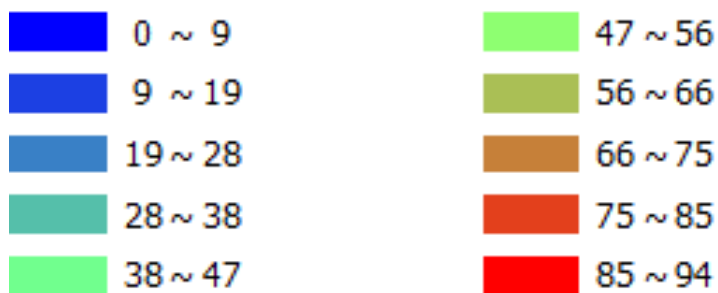
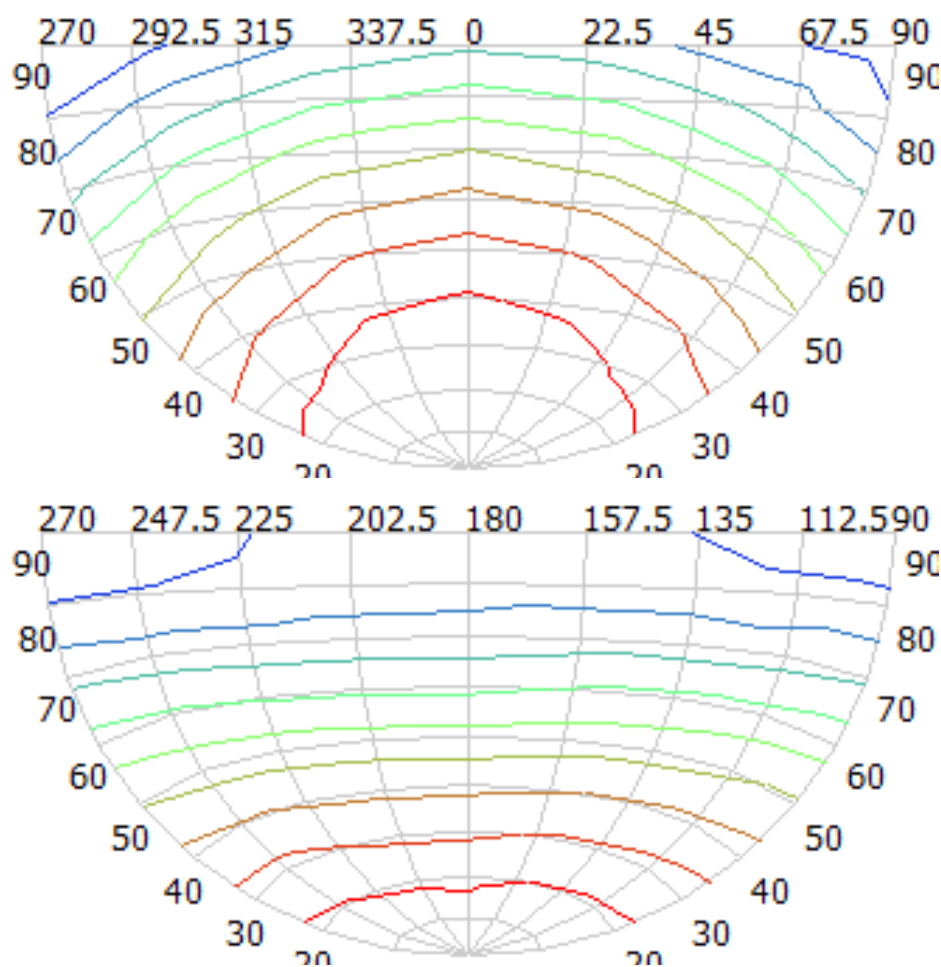
Operator current (A) 0.464

Total flux (lm) 334

Date Power Factor 1

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### IsoCandela (Type C)





# Luminaire

## Lamp

No. of lamps 1

Lamp flux (lm) 334

Total flux (lm) 334

## Report

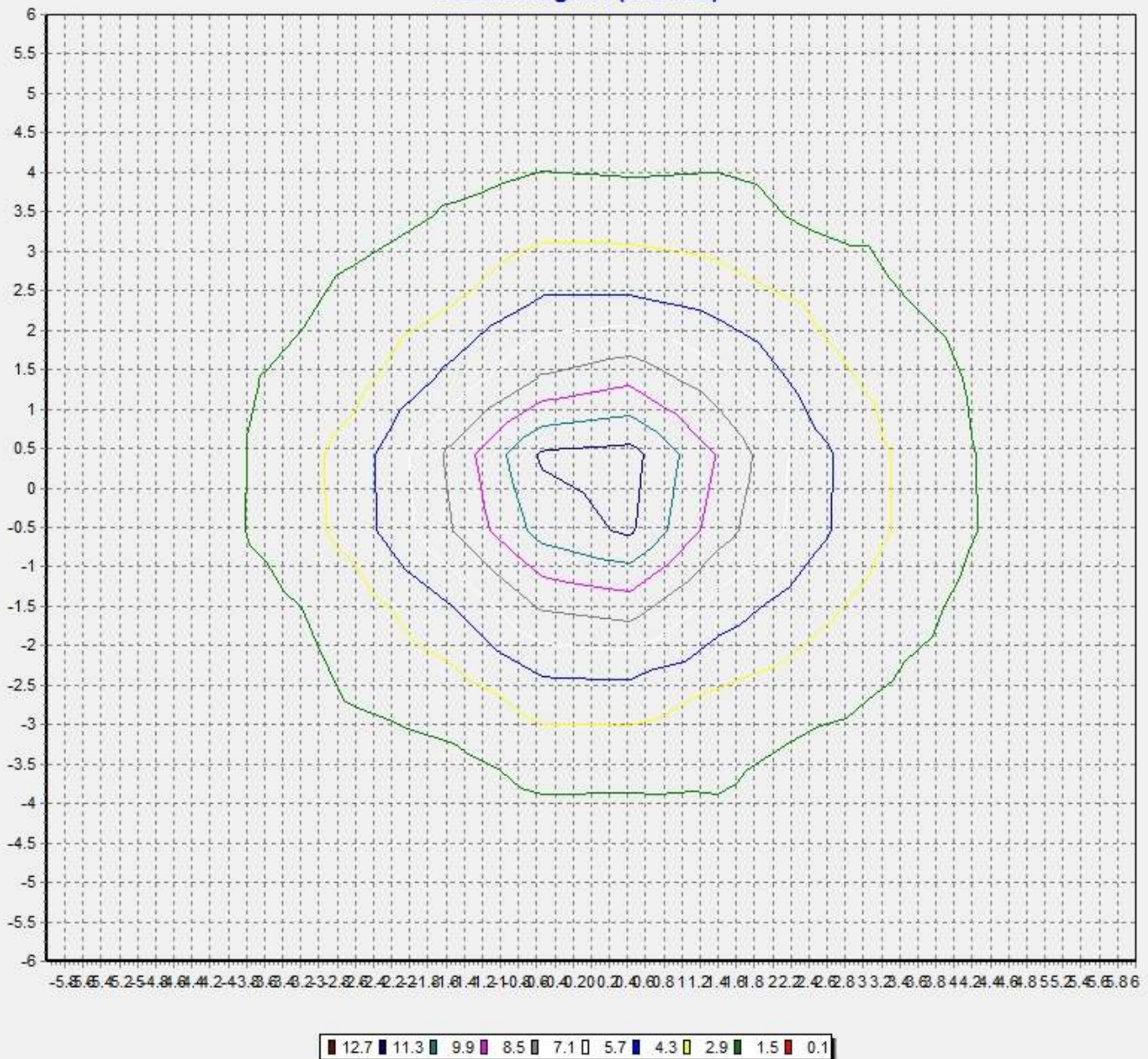
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt

Operatorcurrent (A) 0.464

Date Power Factor 1

2019-02-11 오후 2:08:47

IsoLux Diagram (Ground)



Pole Height (m): 2.7

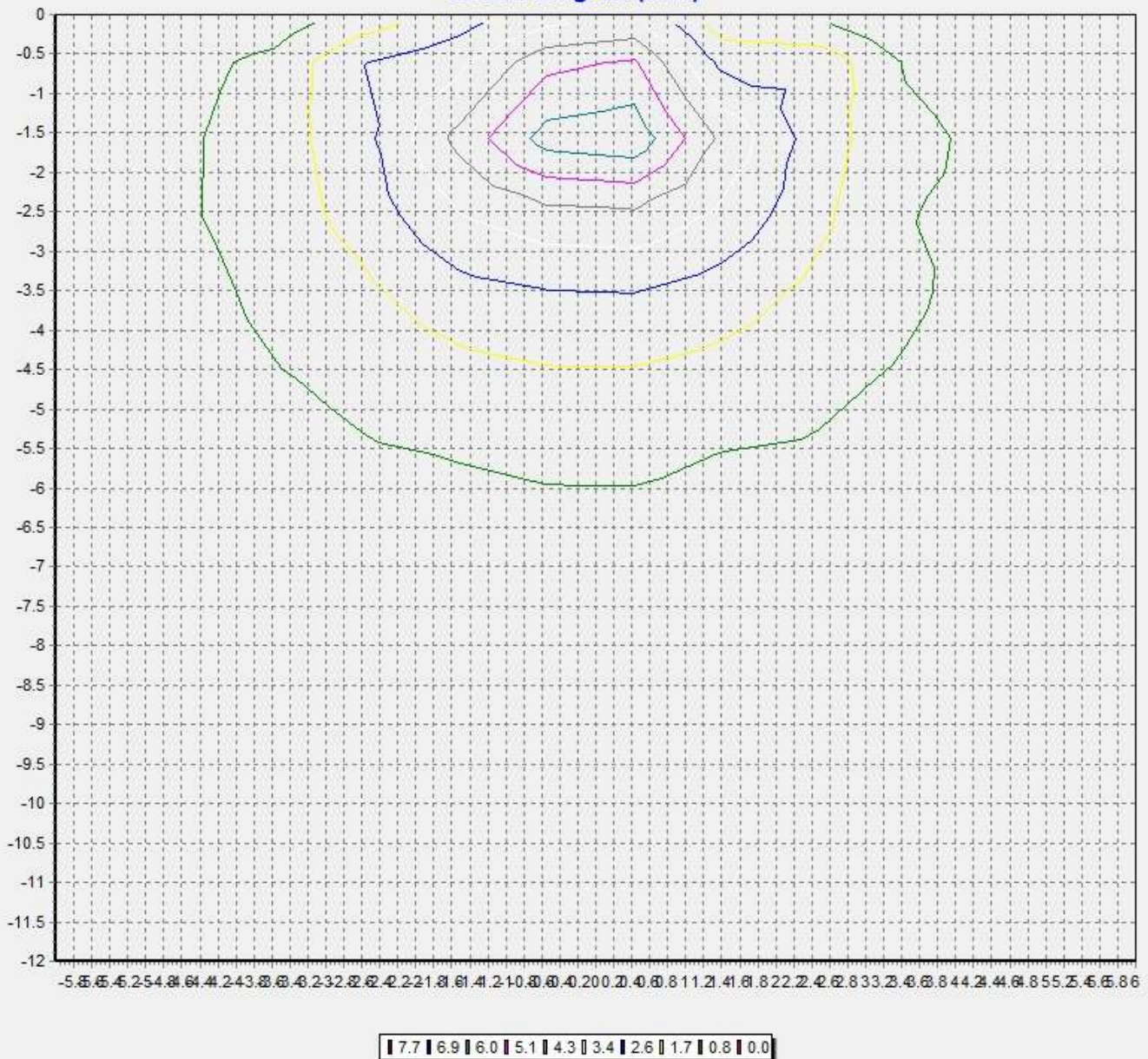
Area Width (m): 12



# Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt
Lamp flux (lm)	334	Operator	current (A) 0.464
Total flux (lm)	334	Date	Power Factor 1
			2019-02-11 오후 2:08:47

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)	334	Current (A)	0.464
Total flux (lm)	334	Power Factor	1

## Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt

Operator

Date

2019-02-11 오후 2:08:47

## Illuminance Levels (Ground)

6.00	0.14	0.19	0.16	0.20	0.25	0.38	0.32	0.34	0.42	0.37	0.24	0.26	0.24
5.00	0.18	0.17	0.25	0.35	0.62	0.84	0.81	0.81	0.84	0.47	0.37	0.34	0.31
4.00	0.15	0.23	0.54	0.80	0.80	1.19	1.17	1.17	1.20	0.96	0.79	0.47	0.33
3.00	0.19	0.32	0.75	0.96	1.94	2.12	2.47	2.68	2.17	1.46	1.12	0.63	0.38
2.00	0.24	0.61	0.79	1.83	2.74	4.27	5.22	5.14	3.59	2.46	1.24	0.89	0.47
1.00	0.26	0.68	0.94	2.05	4.24	7.67	10.39	8.62	5.21	2.87	1.56	1.04	0.52
0.00	0.26	0.70	1.00	2.17	4.78	10.07	12.70	10.47	6.23	3.29	1.75	1.13	0.58
-1.00	0.27	0.69	0.95	1.94	4.05	7.26	10.31	7.84	4.77	2.57	1.57	1.05	0.54
-2.00	0.22	0.57	0.72	1.76	2.51	4.07	5.15	4.67	2.90	2.34	1.04	0.78	0.39
-3.00	0.18	0.29	0.71	0.84	1.82	1.97	2.39	2.30	1.94	1.06	1.03	0.57	0.30
-4.00	0.14	0.21	0.48	0.74	0.72	1.01	1.13	1.00	0.99	0.81	0.59	0.41	0.29
-5.00	0.17	0.15	0.22	0.31	0.58	0.72	0.78	0.71	0.71	0.34	0.27	0.21	0.28
-6.00	0.13	0.17	0.14	0.18	0.23	0.28	0.30	0.27	0.31	0.28	0.16	0.21	0.17
-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.): 12.7

All illuminance level values are in lux.

Illum. (Min.): 0.13

Illum. Avg.: 1.60

Total Optical Solution Provider


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

# Luminaire

## Lamp

No. of lamps 1

Lamp flux (lm) 334

Total flux (lm) 334

## Report

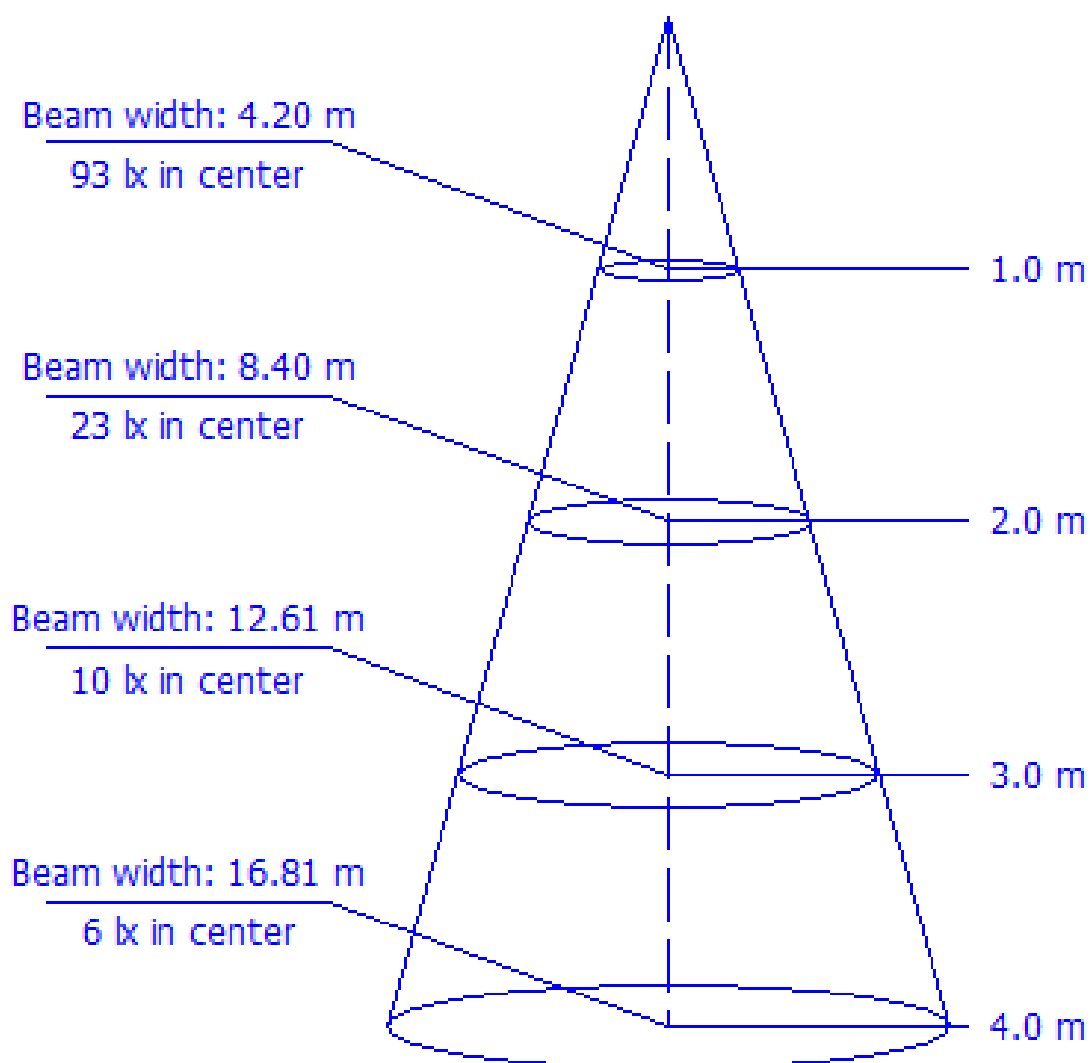
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Operatorcurrent (A) 0.464

Date Power Factor 1

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## Illuminance Cone Diagram



Beam Angle = 129 deg.

Based on 50% of maximum illuminance.

## Luminaire

## Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	334	Current (A)	0.464
Total flux (lm)	334	Power Factor	1

## Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 27K-24V.jdt

## 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