

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 / 190129 FN2 50K-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		0.3344, 0.3565	
Correlated Color Temperature	K	5421	
Ra	-	78.13	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.469	
Input Watt	W	11.23	
Lamp Flux	lm	734.6	
Efficient	lm/W	65.40	
Illuminance	lx	216	1 m
		54	2 m
		24	3 m

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

Sample photo

Click to load image

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 50K-24V.jdt

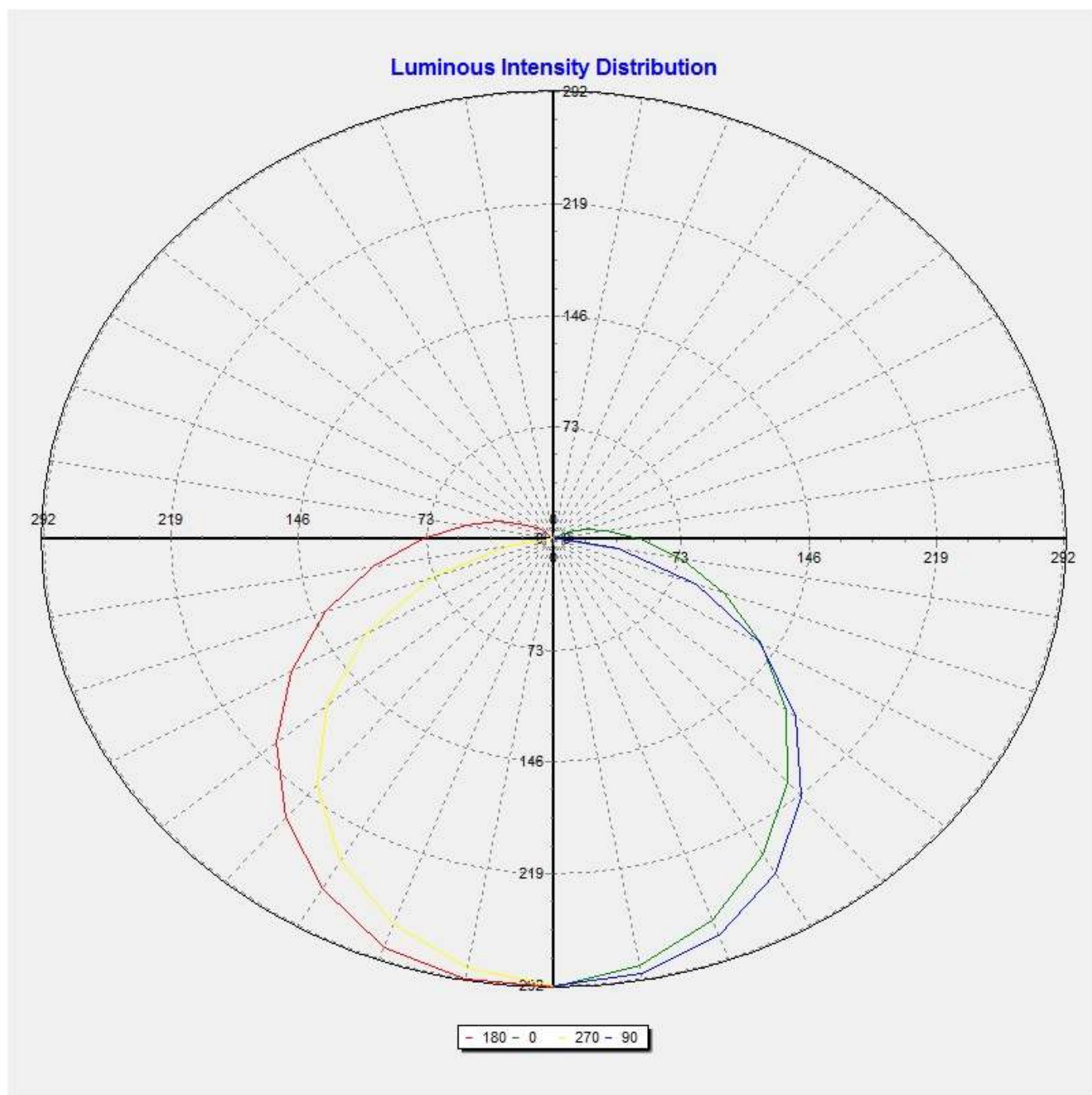
Lamp flux (lm) 735

Operator current (A) 0.469

Total flux (lm) 735

Date Power Factor 1

2019-02-11 오후 4:20:05



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\190129 FN2 50K-24V.jdt

Lamp flux (lm) 735

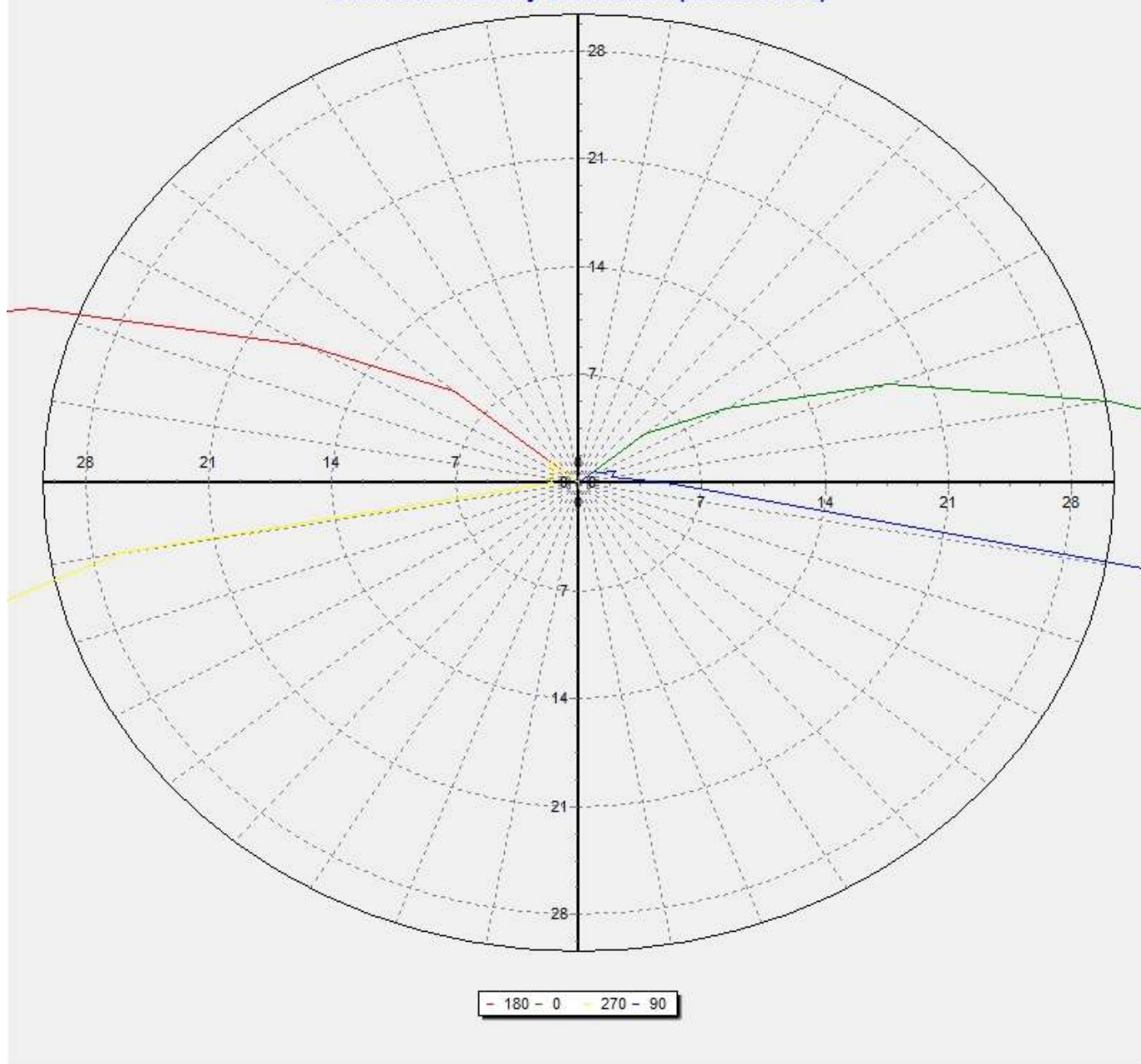
Operator current (A) 0.469

Total flux (lm) 735

Date Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp		Report	
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Lamp flux (lm)	735	Operator	current (A) 0.469
Total flux (lm)	735	Date	Power Factor 1

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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	215.60	214.33	214.30	214.79	204.88	214.90	215.60	214.33	214.30	214.79	204.88	214.90	215.60
10	208.04	207.11	209.36	212.17	202.35	215.35	214.65	213.92	211.59	209.51	198.82	206.42	208.04
20	195.30	195.12	198.23	203.02	197.43	208.16	209.00	207.07	202.56	197.35	185.29	191.64	195.30
30	175.56	176.71	179.42	185.88	183.68	194.91	194.64	190.98	186.28	178.90	165.54	172.14	175.56
40	152.90	153.19	156.00	161.78	164.20	176.63	175.21	172.02	163.10	154.86	141.76	148.75	152.90
50	127.58	126.37	126.79	133.04	139.25	153.52	152.19	146.46	136.15	124.38	113.70	121.75	127.58
60	101.01	99.07	95.65	100.02	109.72	127.18	127.77	121.26	104.33	90.74	82.74	93.82	101.01
70	76.73	71.88	63.65	63.83	78.81	100.27	101.92	93.16	72.90	54.32	53.54	66.89	76.73
80	55.09	49.60	35.87	27.29	50.15	73.21	77.19	68.34	41.99	19.40	28.98	44.84	55.09
90	36.34	31.21	17.08	3.66	26.19	50.92	55.28	45.78	22.26	1.05	13.40	28.28	36.34
100	22.42	18.25	7.38	1.40	13.11	31.99	37.63	29.24	10.39	1.30	5.46	16.36	22.42
110	13.74	10.43	3.15	1.63	6.57	19.68	24.21	18.03	4.52	1.05	2.02	9.77	13.74
120	7.08	5.20	0.96	0.99	1.34	10.52	13.13	8.77	1.44	1.31	1.35	4.75	7.08
130	3.57	2.62	1.93	0.87	1.49	5.04	6.80	3.44	2.45	1.63	2.40	2.78	3.57

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 50K-24V.jdt		
Lamp flux (lm)	735	Operator	current (A)	0.469
Total flux (lm)	735	Date	Power Factor	1

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Luminous Flux Table

Total Lamp Lumens: 735

Luminaire Efficiency (lm/W):734.64

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.10	5.10	0.69	0.69
10	39.77	44.87	6.11	6.11
20	74.61	119.48	16.26	16.26
30	99.70	219.17	29.84	29.83
40	112.66	331.84	45.17	45.17
50	111.95	443.78	60.41	60.41
60	99.06	542.85	73.90	73.89
70	77.01	619.86	84.38	84.38
80	51.41	671.26	91.38	91.37
90	30.25	701.52	95.50	95.49
100	17.52	719.04	97.88	97.88
110	9.85	728.88	99.22	99.22
120	4.49	733.38	99.83	99.83
130	1.27	734.64	100.01	100.00

Luminaire

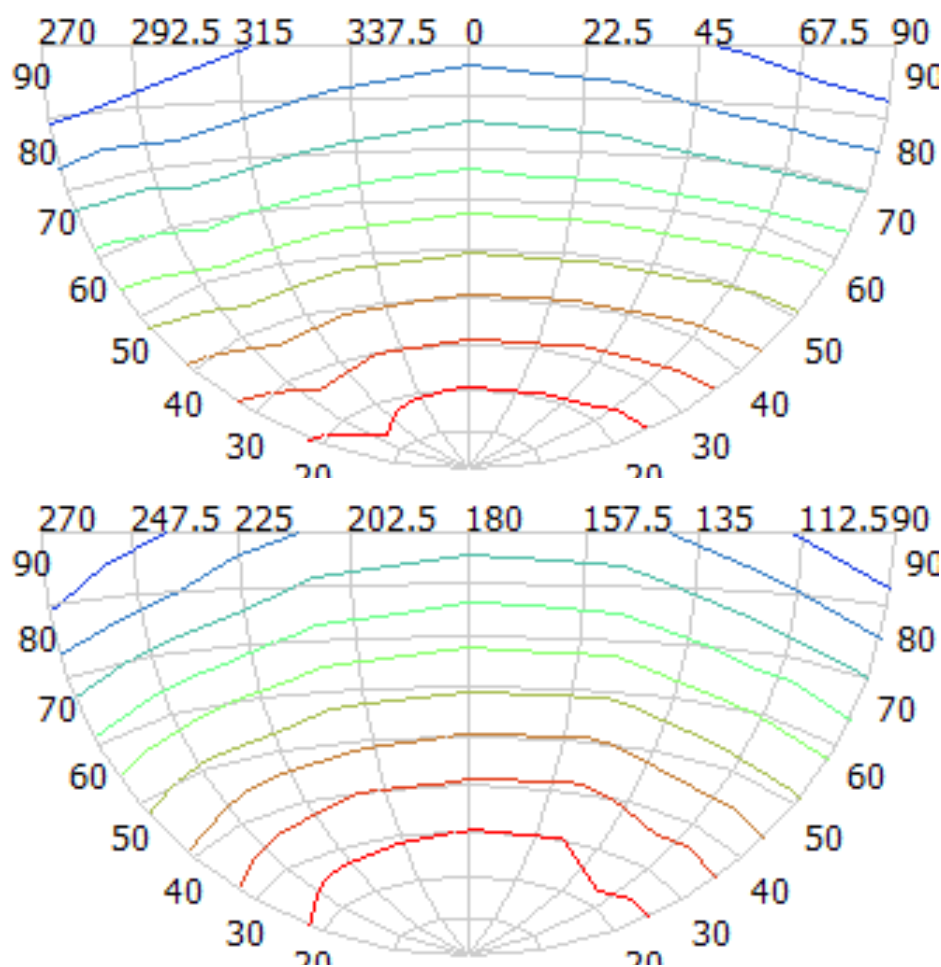
Lamp

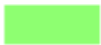
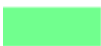
Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 50K-24V.jdt
Lamp flux (lm)	735	Operator	current (A) 0.469
Total flux (lm)	735	Date	Power Factor 1

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IsoCandela (Type C)



	1 ~ 22		108 ~ 130
	22 ~ 44		130 ~ 151
	44 ~ 65		151 ~ 173
	65 ~ 87		173 ~ 194
	87 ~ 108		194 ~ 216

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 735

Total flux (lm) 735

Report

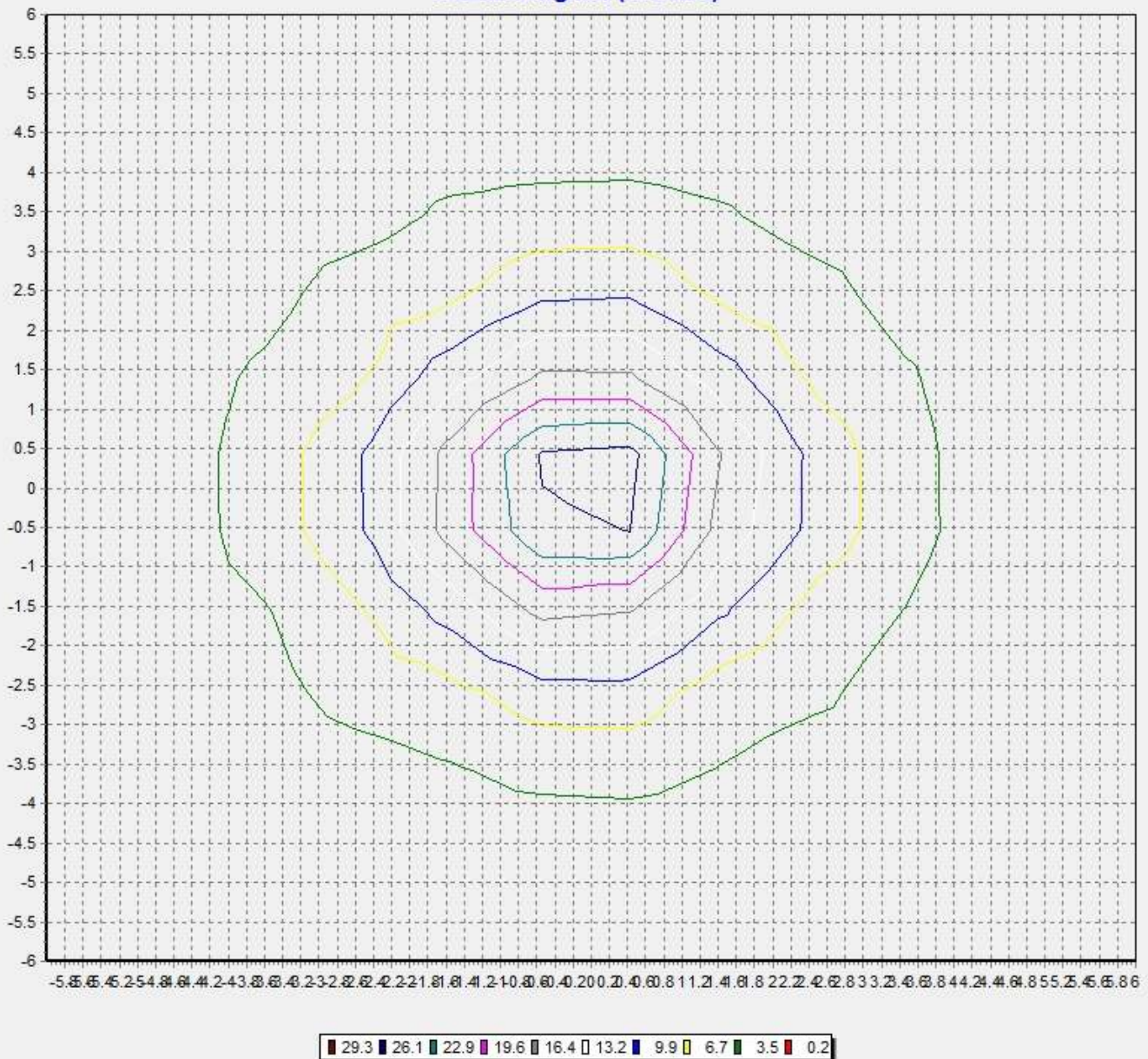
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Operatorcurrent (A) 0.469

Date Power Factor 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

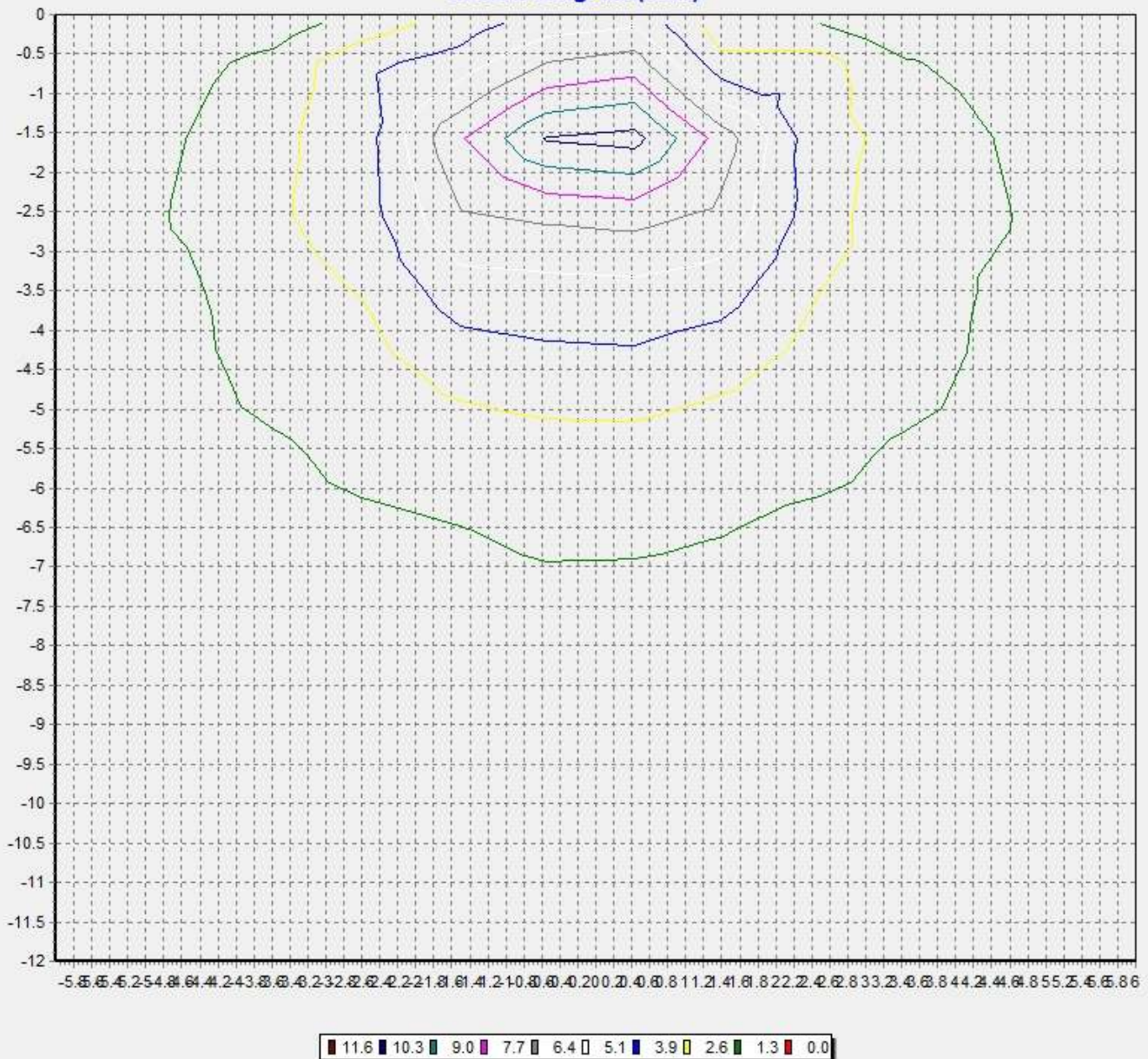
Area Width (m): 12

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 50K-24V.jdt
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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)	735	Current (A)	0.469
Total flux (lm)	735	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 50K-24V.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.37	0.48	0.40	0.59	0.69	0.70	0.75	0.71	0.65	0.54	0.39	0.45	0.36
5.00	0.57	0.46	0.63	0.83	1.57	1.72	1.88	1.74	1.44	0.81	0.60	0.48	0.47
4.00	0.59	0.82	1.34	1.90	2.12	2.44	2.72	2.44	1.93	1.79	1.26	0.66	0.46
3.00	0.62	1.15	2.15	2.39	4.52	5.19	5.70	4.80	4.33	2.27	1.81	0.90	0.55
2.00	0.80	1.65	2.18	4.95	6.59	10.32	12.11	9.67	6.17	4.28	1.94	1.45	0.68
1.00	1.02	2.07	3.06	5.48	10.42	17.97	23.97	17.22	9.65	4.81	2.39	1.66	0.74
0.00	1.07	2.18	3.31	6.44	12.95	24.26	29.57	23.49	11.44	5.45	2.68	1.81	0.82
-1.00	1.02	2.08	3.06	5.63	10.85	18.73	23.65	16.85	8.99	4.44	2.40	1.68	0.77
-2.00	0.87	1.72	2.36	4.95	7.15	10.76	11.62	9.03	5.86	4.11	1.66	1.31	0.56
-3.00	0.71	1.16	2.16	2.77	4.60	5.40	5.36	4.48	4.24	2.01	1.70	0.81	0.43
-4.00	0.60	0.86	1.52	1.97	2.31	2.43	2.50	2.45	1.65	1.72	1.15	0.57	0.39
-5.00	0.59	0.62	0.70	0.90	1.66	1.71	1.75	1.76	1.31	0.73	0.51	0.35	0.42
-6.00	0.45	0.51	0.46	0.69	0.78	0.68	0.66	0.73	0.53	0.42	0.33	0.41	0.30
-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.): 29.57

All illuminance level values are in lux.

Illum. (Min.): 0.30

Illum. Avg.: 3.57

Total Optical Solution Provider


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

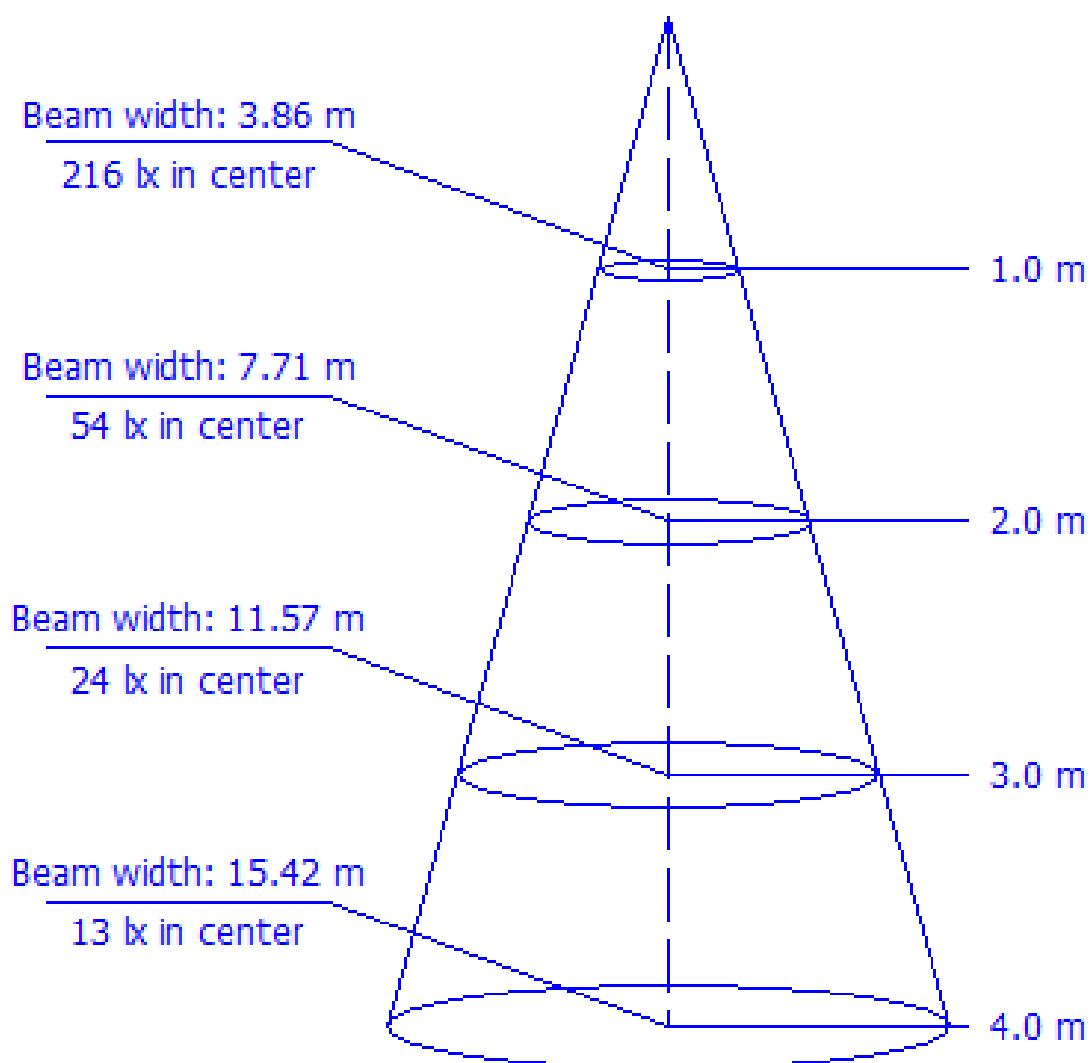
Luminaire

Lamp

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Illuminance Cone Diagram



Beam Angle = 125 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	735	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