

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 : 20190125

2. Purpose of Report :

3. Test Standard / Item : LED / 190125 FN1 30K-24V

4. Test Period : 20190125 ~ 20190125

5. Test Environment

Ambient Temp. : (18.83 +- 3) °C
Relative Humidity : (12.92 +- 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		0.4331, 0.4180	
Correlated Color Temperature	K	3189	
Ra	-	80.96	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.472	
Input Watt	W	11.3	
Lamp Flux	lm	392.3	
Efficient	lm/W	34.70	
Illuminance	lx	106	1 m
		27	2 m
		12	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\190125 FN1 30K-24V.jdt

Lamp flux (lm) 392

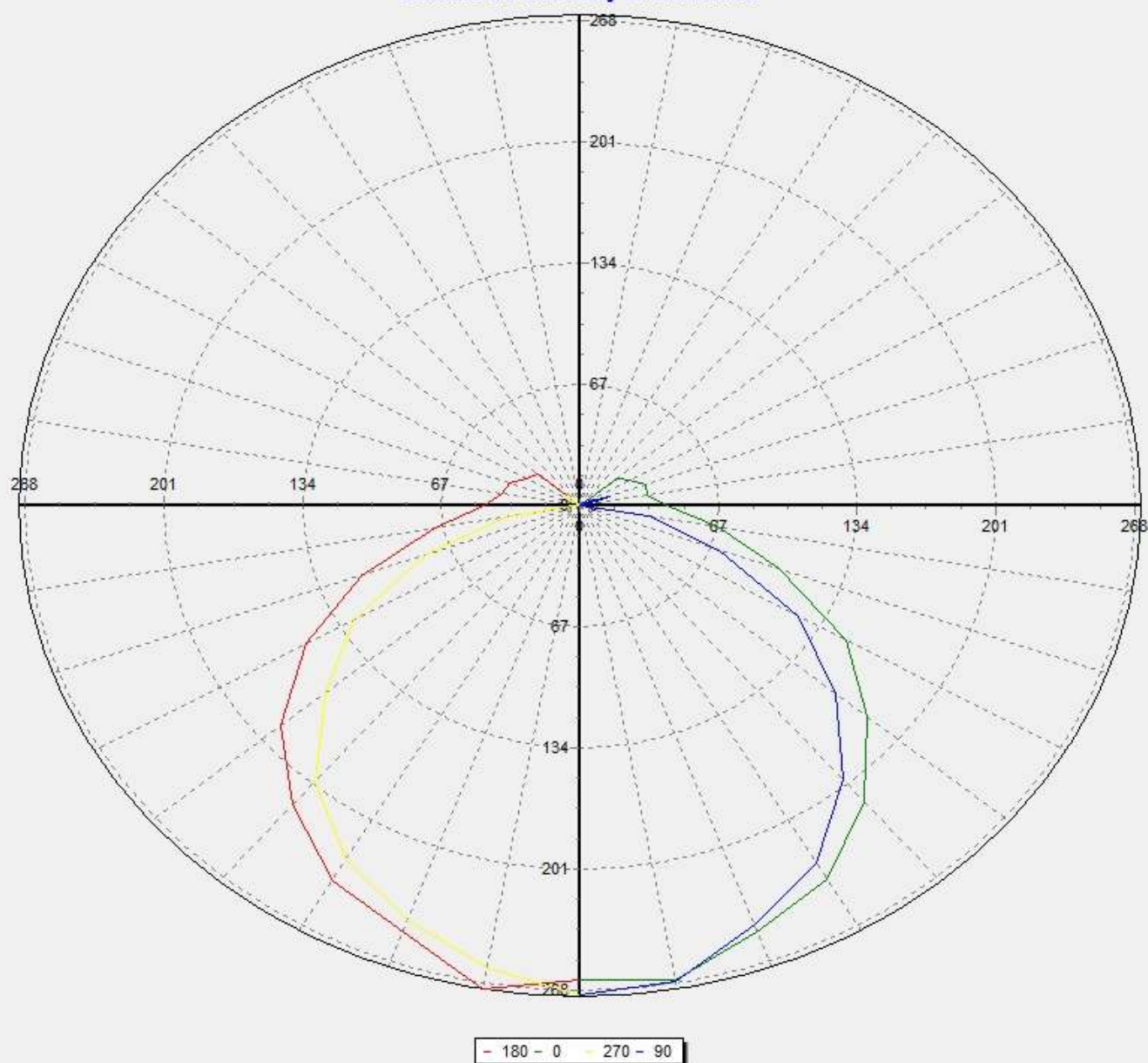
Operator current (A) 0.472

Total flux (lm) 392

Date Power Factor 1

2019-01-25 오후 4:26:32

Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

No. of lamps 1

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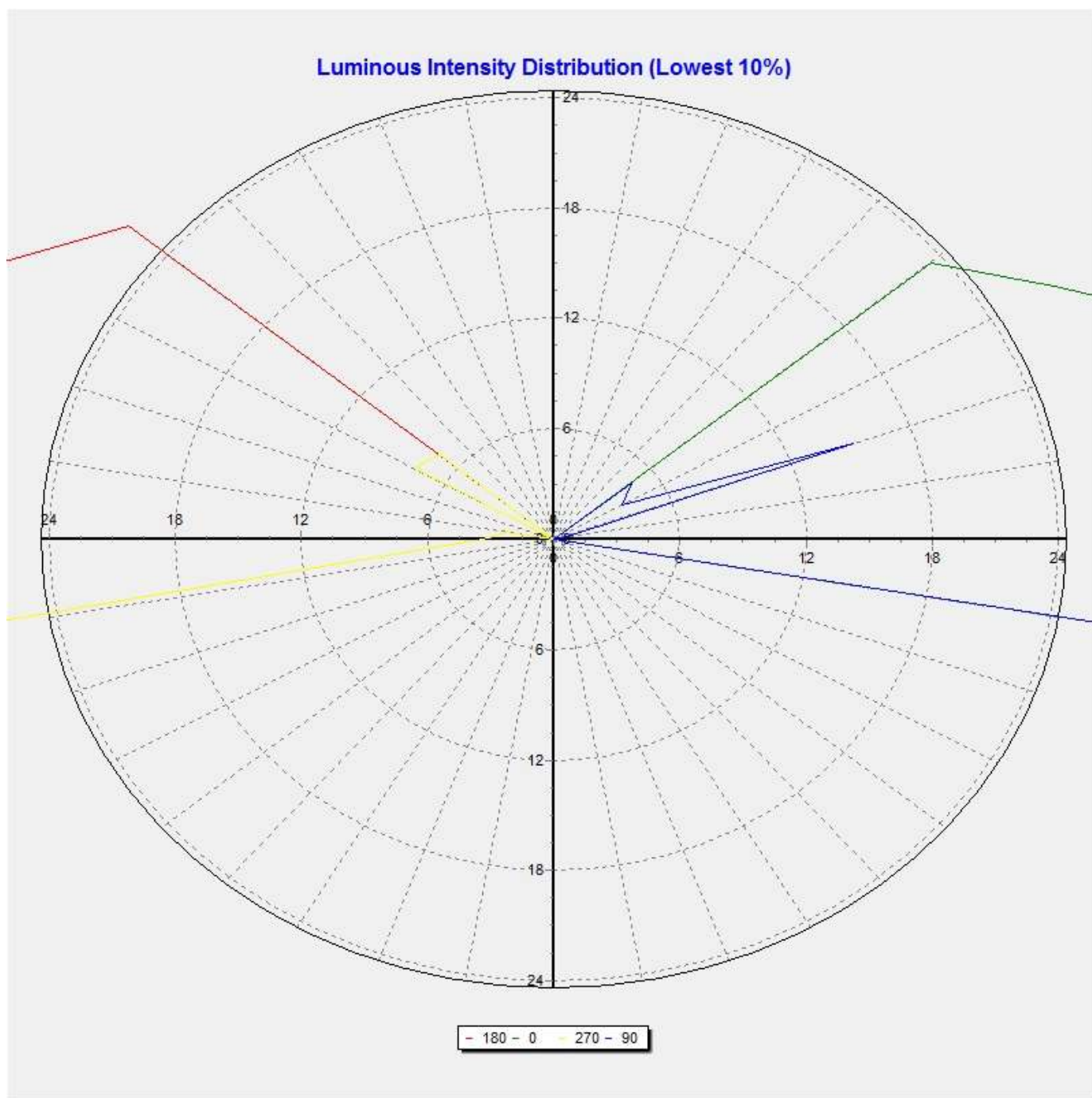
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All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190125 FN1 30K-24V.jdt
Lamp flux (lm)	392	Operator	current (A) 0.472
Total flux (lm)	392	Date	Power Factor 1

2019-01-25 오후 4:26:32

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	102.60	102.18	103.80	106.04	105.69	102.67	102.60	102.18	103.80	106.04	105.69	102.67	102.60
10	104.29	100.57	102.81	104.78	105.41	104.92	106.32	104.85	103.80	101.62	103.16	103.59	104.29
20	98.19	101.41	99.17	96.72	100.57	100.92	98.19	101.62	98.26	95.46	95.95	103.23	98.19
30	93.64	93.29	87.89	89.51	93.78	96.86	93.78	93.22	87.68	88.60	90.98	93.29	93.64
40	83.97	82.57	78.79	77.53	83.27	86.84	84.53	85.23	82.85	78.09	81.03	85.44	83.97
50	71.22	69.61	65.69	63.38	69.89	78.51	74.03	73.82	69.19	63.10	68.00	71.50	71.22
60	58.41	54.69	52.24	47.83	53.71	79.56	59.95	60.02	52.10	49.30	49.30	56.51	58.41
70	40.19	39.00	34.59	28.01	39.07	73.12	44.12	44.96	38.58	30.67	35.43	38.79	40.19
80	26.40	24.92	16.66	13.16	21.63	59.53	27.87	28.22	20.44	14.28	19.39	21.35	26.40
90	16.45	12.04	10.42	-0.29	11.55	44.26	18.27	19.81	8.81	1.32	7.97	15.82	16.45
100	13.02	9.51	10.92	0.27	7.62	28.22	15.05	12.74	6.36	0.90	6.92	13.72	13.02
110	13.30	10.35	9.02	5.94	8.81	17.22	14.14	12.18	8.04	-0.01	4.61	13.37	13.30
120	10.77	8.53	-1.20	1.46	1.88	14.56	11.83	8.67	2.44	3.00	1.74	12.67	10.77
130	9.16	0.90	2.09	1.88	5.52	10.07	10.35	0.06	2.79	2.79	4.12	5.59	9.16

Luminaire

Lamp		Report		
No. of lamps	1	Filename: C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190125 FN1 30K-24V.jdt		
Lamp flux (lm)	392	Operator	current (A)	0.472
Total flux (lm)	392	Date	Power Factor	1

2019-01-25 오후 4:26:32

Luminous Flux Table

Total Lamp Lumens: 392

Luminaire Efficiency (lm/W): 392.26

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.48	2.48	0.63	0.63
10	19.75	22.23	5.67	5.67
20	37.14	59.37	15.13	15.14
30	50.31	109.68	27.96	27.96
40	58.09	167.77	42.77	42.77
50	58.59	226.36	57.70	57.71
60	53.24	279.60	71.27	71.28
70	41.73	321.33	81.91	81.92
80	26.41	347.74	88.64	88.65
90	15.19	362.93	92.51	92.52
100	11.26	374.19	95.38	95.39
110	10.03	384.22	97.94	97.95
120	6.03	390.25	99.48	99.49
130	2.01	392.26	99.99	100.00

Luminaire

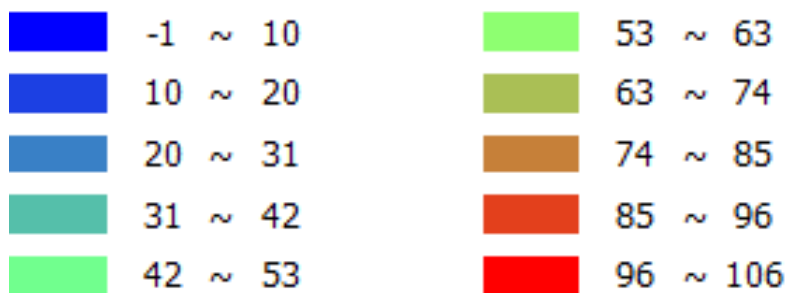
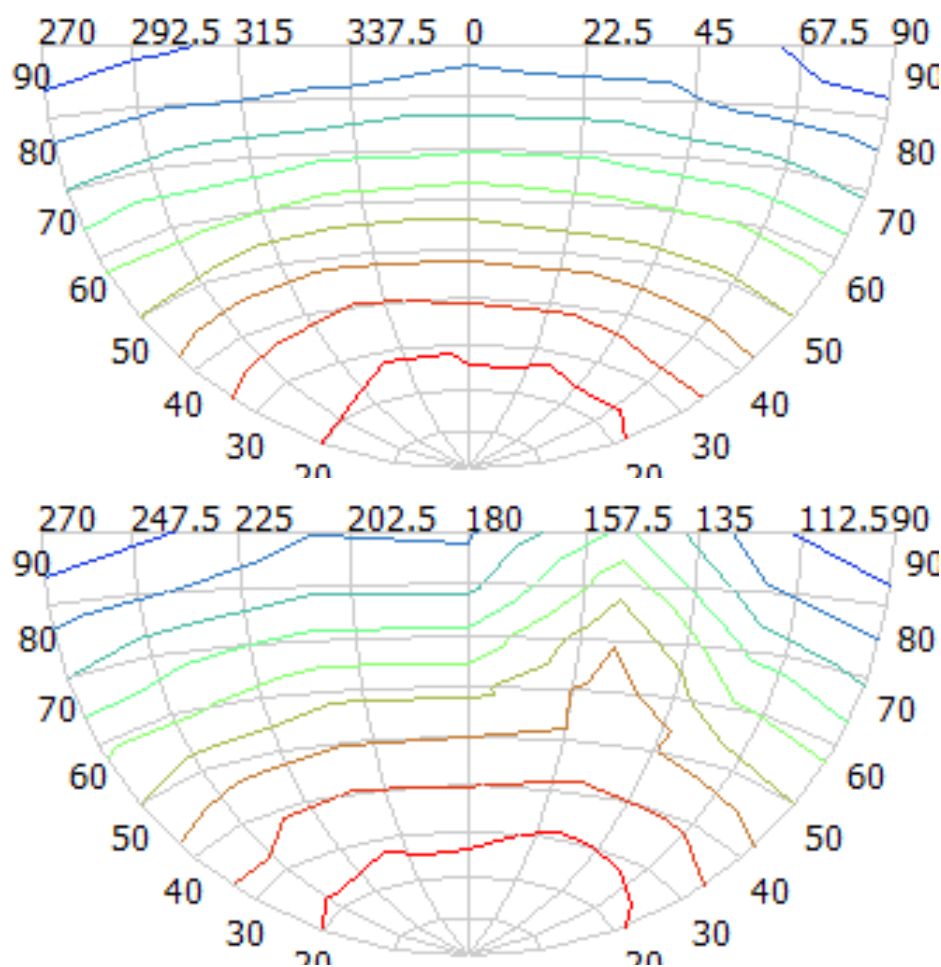
Lamp

Report

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Lamp flux (lm)	392	Operator	current (A) 0.472
Total flux (lm)	392	Date	Power Factor 1

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 392

Total flux (lm) 392

Report

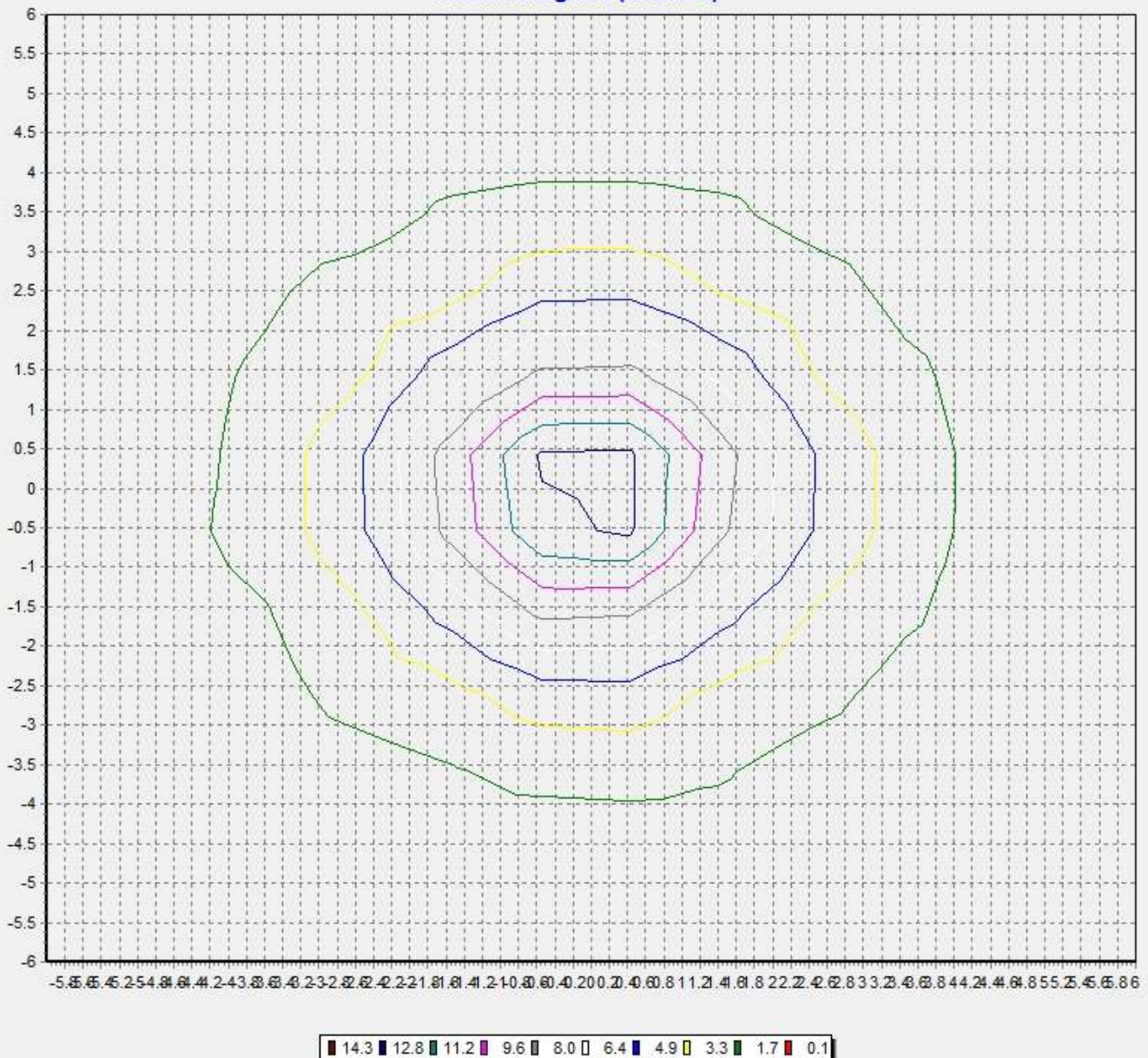
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190125 FN1 30K-24V.jdt

Operatorcurrent (A) 0.472

Date Power Factor 1

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IsoLux Diagram (Ground)



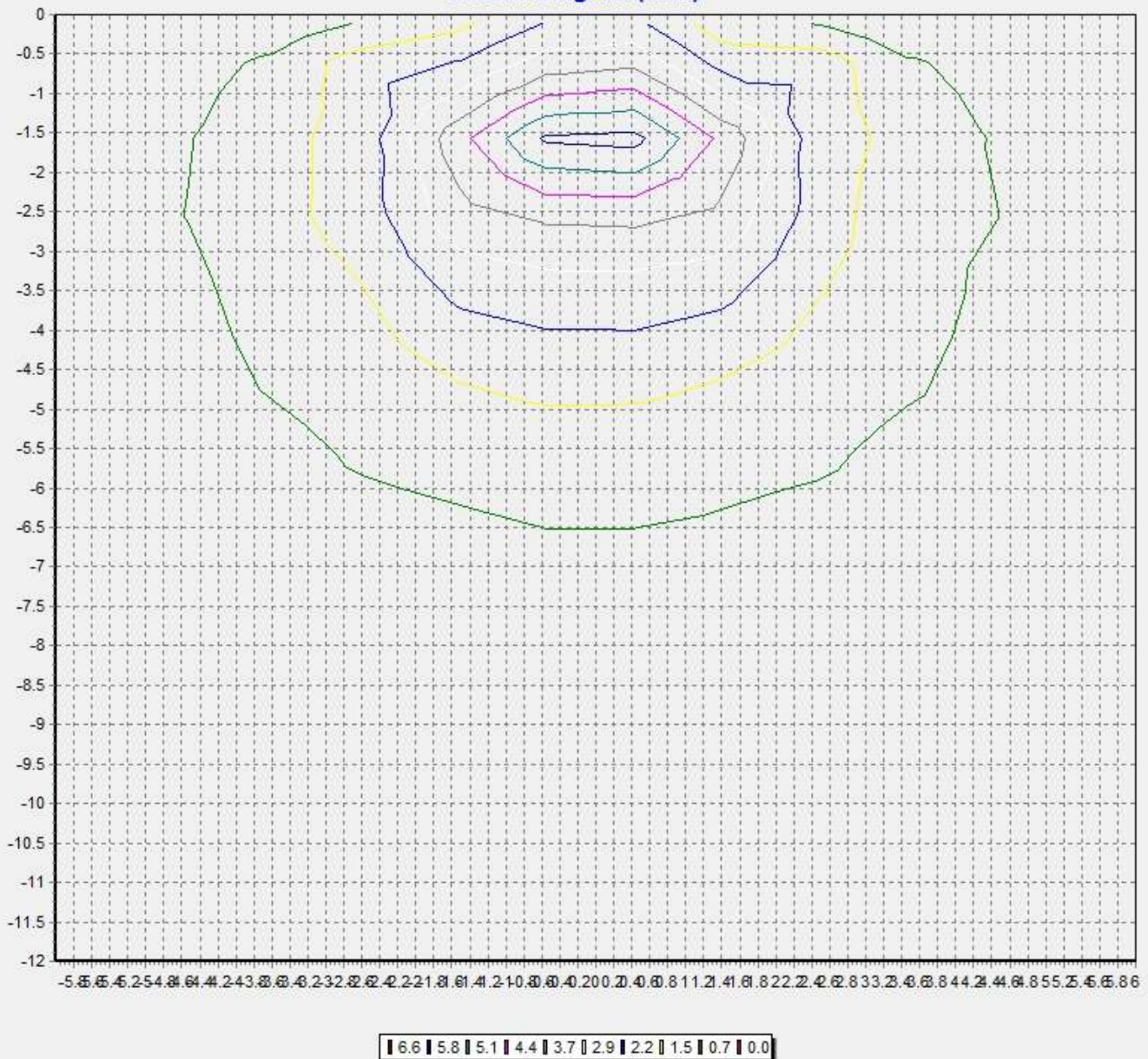
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
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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)	392	Current (A)	0.472
Total flux (lm)	392	Power Factor	1

Report

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Operator

Date

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Illuminance Levels (Ground)

6.00	0.18	0.23	0.18	0.29	0.33	0.36	0.34	0.34	0.35	0.30	0.21	0.25	0.20
5.00	0.34	0.22	0.29	0.39	0.77	0.87	0.90	0.86	0.79	0.44	0.33	0.26	0.27
4.00	0.41	0.53	0.65	0.92	1.04	1.24	1.30	1.23	1.06	0.95	0.70	0.36	0.24
3.00	0.33	0.77	1.12	1.16	2.18	2.56	2.72	2.58	2.22	1.27	1.01	0.50	0.30
2.00	0.46	0.84	1.10	2.47	3.24	5.20	5.81	5.17	3.39	2.36	1.08	0.81	0.37
1.00	0.53	1.04	1.61	2.77	5.27	8.90	11.82	9.05	5.21	2.66	1.40	0.96	0.42
0.00	0.48	1.06	1.58	3.13	6.24	12.00	14.07	11.77	6.22	3.03	1.53	1.02	0.45
-1.00	0.62	1.07	1.63	2.80	5.36	9.06	11.47	8.69	5.13	2.63	1.40	0.96	0.43
-2.00	0.41	0.85	1.17	2.40	3.52	5.34	5.82	5.08	3.19	2.38	0.99	0.78	0.34
-3.00	0.34	0.53	1.05	1.35	2.33	2.73	2.71	2.51	2.18	1.13	1.00	0.48	0.28
-4.00	0.27	0.39	0.74	0.99	1.15	1.25	1.32	1.26	0.97	0.91	0.64	0.34	0.23
-5.00	0.28	0.29	0.36	0.46	0.83	0.87	0.90	0.89	0.75	0.40	0.30	0.21	0.25
-6.00	0.22	0.26	0.24	0.34	0.39	0.37	0.37	0.39	0.32	0.27	0.19	0.23	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.): 14.1

All illuminance level values are in lux.

Illum. (Min.): 0.17

Illum. Avg.: 1.83

Total Optical Solution Provider


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

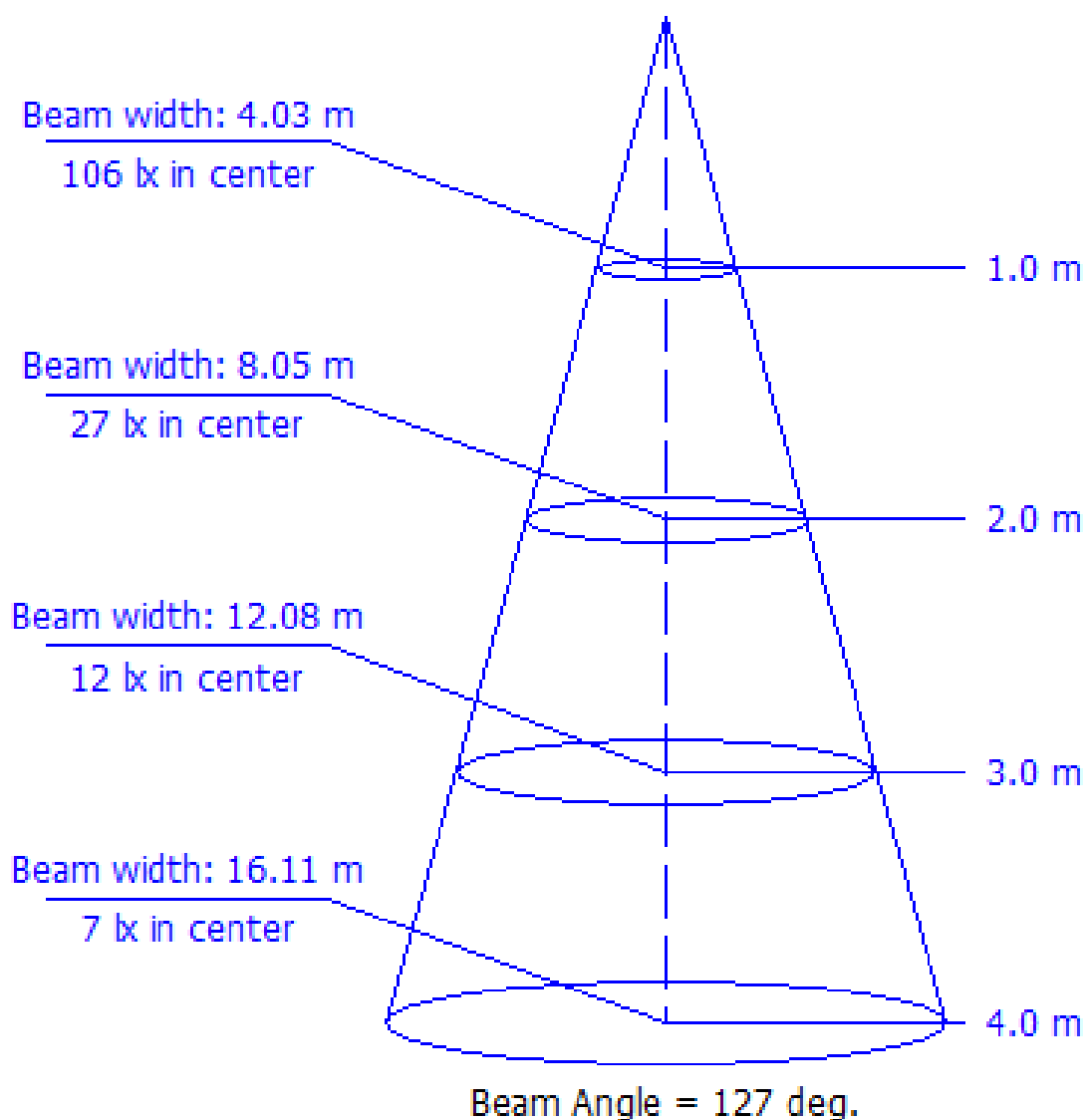
Luminaire

Lamp

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Illuminance Cone Diagram



Based on 50% of maximum illuminance.

Luminaire

Lamp

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Lamp flux (lm)	392	Current (A)	0.472
Total flux (lm)	392	Power Factor	1

Report

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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