

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 : 20190212

2. Purpose of Report :

3. Test Standard / Item : LED / 180129 FN1 40K-24V

4. Test Period 20190212 20190212

5. Test Environment

Ambient Temp. : (18.82 +- 3) °C

Relative Humidity : (10.4 +- 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		0.3956, 0.3983	
Correlated Color Temperature	K	4116	
Ra	-	80.85	
Power Factor	%	1.000	
Input Voltage	V	23.940	
Input Current	A	0.486	
Input Watt	W	11.64	
Lamp Flux	lm	423	
Efficient	lm/W	35.35	
Illuminance	lx	116	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

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt

Lamp flux (lm) 411

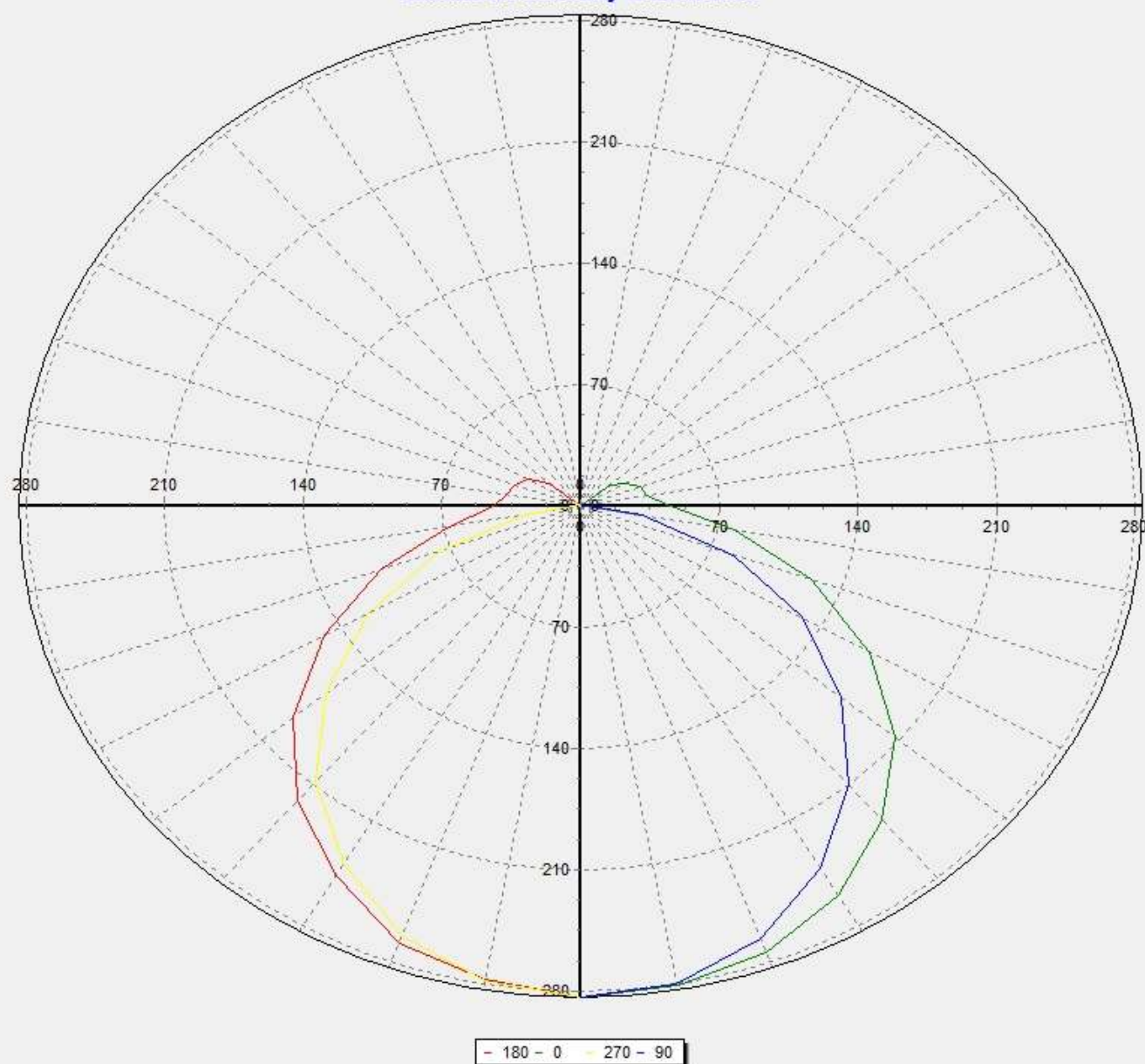
Operator current (A) 0.486

Total flux (lm) 411

Date Power Factor 1

2019-01-31 오후 4:54:58

Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 411

Total flux (lm) 411

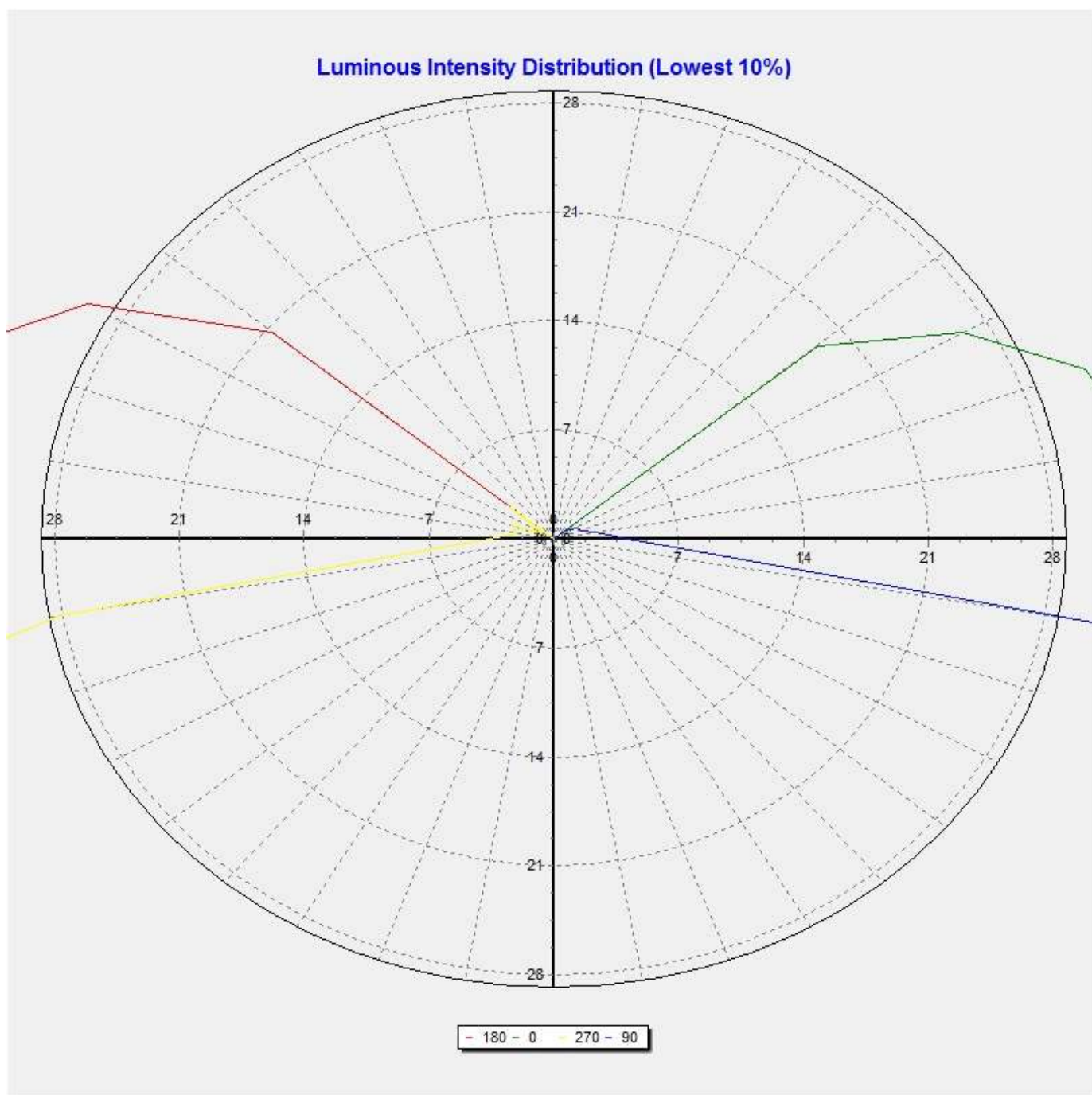
Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt

Operator current (A) 0.486

Date Power Factor 1

2019-01-31 오후 4:54:58



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp	Report			
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt		
Lamp flux (lm)	411	Operator	current (A)	0.486
Total flux (lm)	411	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	116.48	116.07	113.31	116.49	116.48	116.14	116.48	116.07	113.31	116.49	116.48	116.14	116.48
10	115.44	114.59	111.28	114.90	115.76	115.92	113.96	114.54	112.06	114.37	115.05	116.72	115.44
20	112.48	112.74	106.92	109.32	109.51	111.82	110.31	109.80	105.37	108.52	110.00	112.48	112.48
30	106.76	105.33	99.14	99.16	101.15	104.20	101.21	101.87	96.80	98.06	101.56	106.41	106.76
40	97.25	95.65	88.61	86.33	89.71	93.30	91.46	90.48	85.47	85.42	90.48	95.28	97.25
50	85.18	82.41	75.17	70.62	76.36	79.15	77.78	77.33	71.16	69.09	75.19	80.78	85.18
60	69.30	66.03	58.57	52.91	58.83	63.46	61.33	60.60	54.45	51.02	57.80	64.84	69.30
70	51.00	48.28	40.06	33.75	39.86	45.73	43.87	42.13	35.54	31.19	38.68	46.13	51.00
80	32.48	28.82	20.75	12.98	21.20	28.00	27.81	25.32	18.38	11.56	18.68	27.68	32.48
90	18.68	15.71	8.39	1.70	9.17	17.34	18.04	15.70	7.95	1.48	7.40	14.87	18.68
100	13.75	11.92	7.13	0.98	7.78	14.07	15.45	13.92	7.06	0.86	6.22	12.15	13.75
110	13.06	11.47	6.35	0.68	7.06	12.38	14.66	12.08	5.05	1.05	4.79	10.81	13.06
120	10.88	8.70	0.50	0.60	0.17	9.71	12.43	9.68	1.17	0.32	0.59	7.92	10.88
130	7.92	4.99	3.01	0.32	2.74	6.43	8.48	3.49	2.54	1.37	2.69	2.05	7.92

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt		
Lamp flux (lm)	411	Operator	current (A)	0.486
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Luminous Flux Table

Total Lamp Lumens: 411

Luminaire Efficiency (lm/W):411.34

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.77	2.77	0.67	0.67
10	21.79	24.55	5.97	5.97
20	41.18	65.74	15.98	15.98
30	55.75	121.49	29.54	29.53
40	63.91	185.40	45.08	45.07
50	64.34	249.74	60.72	60.71
60	56.84	306.58	74.54	74.53
70	42.56	349.14	84.89	84.88
80	24.60	373.74	90.87	90.86
90	12.45	386.19	93.89	93.89
100	10.00	396.19	96.33	96.32
110	8.53	404.72	98.40	98.39
120	4.95	409.67	99.60	99.59
130	1.67	411.34	100.01	100.00

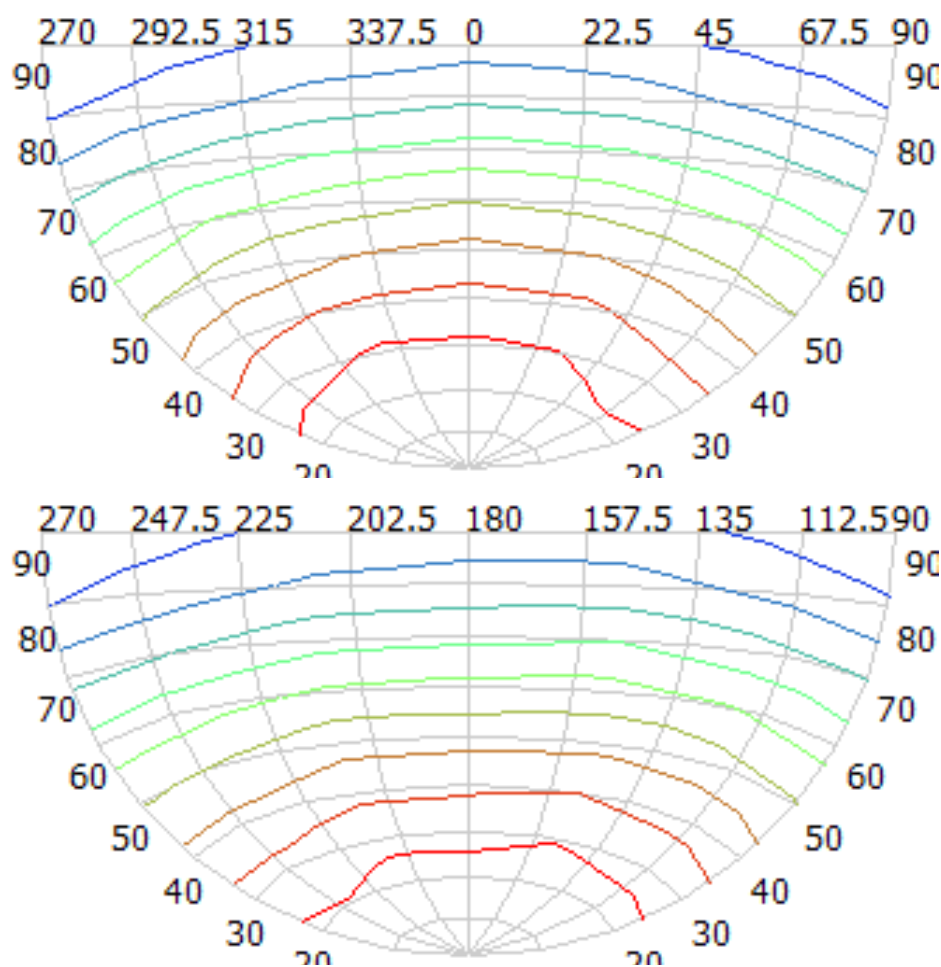
Luminaire

Lamp

No. of lamps	1	Report	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt
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IsoCandela (Type C)



0 ~ 12	58 ~ 70
12 ~ 23	70 ~ 82
23 ~ 35	82 ~ 93
35 ~ 47	93 ~ 105
47 ~ 58	105 ~ 117

Luminaire

Lamp

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Lamp flux (lm) 411

Total flux (lm) 411

Report

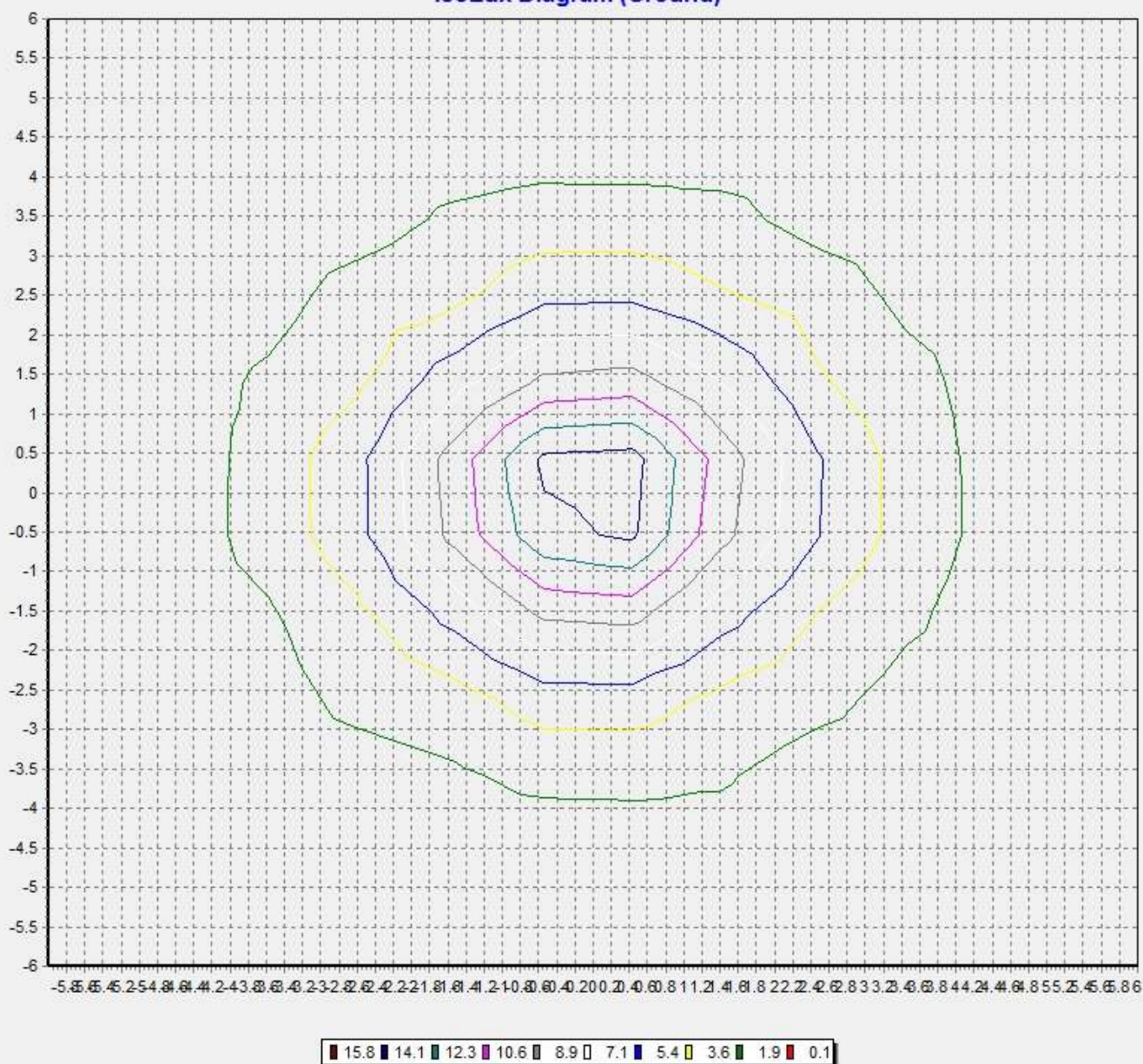
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt

Operatorcurrent (A) 0.486

Date Power Factor 1

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IsoLux Diagram (Ground)



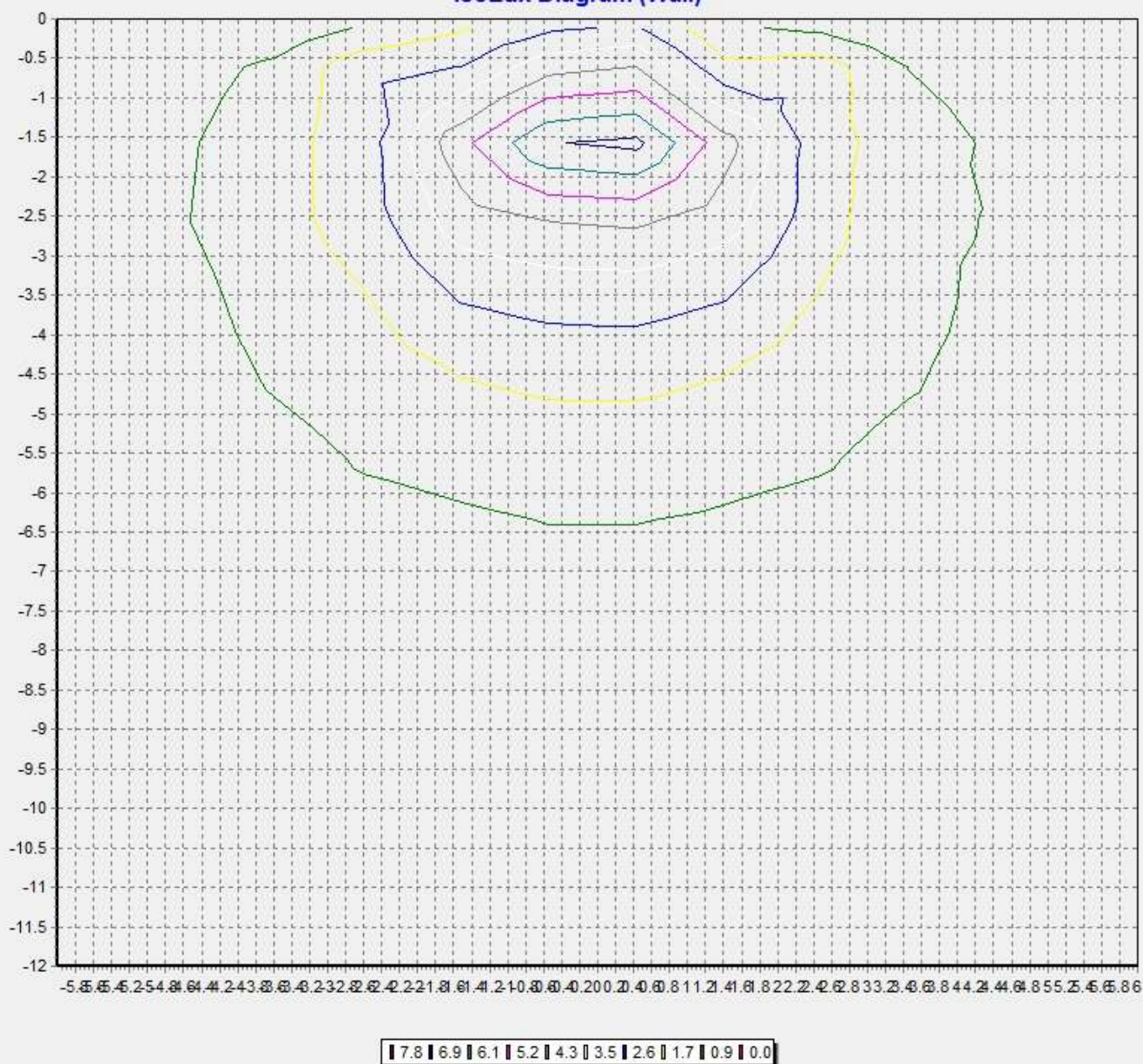
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-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)	23.94
Lamp flux (lm)	411	Current (A)	0.486
Total flux (lm)	411	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 35K-24V.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.20	0.25	0.21	0.31	0.36	0.42	0.40	0.40	0.42	0.36	0.25	0.28	0.24
5.00	0.29	0.24	0.33	0.44	0.85	0.98	1.00	0.97	0.92	0.50	0.38	0.32	0.32
4.00	0.27	0.40	0.72	1.02	1.14	1.39	1.44	1.38	1.27	1.09	0.84	0.45	0.31
3.00	0.32	0.55	1.12	1.28	2.42	2.81	3.03	3.01	2.52	1.52	1.21	0.61	0.37
2.00	0.40	0.88	1.16	2.61	3.56	5.62	6.46	5.97	3.99	2.75	1.29	0.96	0.46
1.00	0.47	1.05	1.52	2.93	5.67	9.76	12.98	10.26	6.03	3.16	1.63	1.11	0.50
0.00	0.49	1.11	1.63	3.31	6.75	12.88	15.98	13.05	7.16	3.60	1.82	1.22	0.56
-1.00	0.48	1.06	1.53	2.94	5.70	9.87	12.92	9.73	5.73	2.93	1.63	1.13	0.52
-2.00	0.40	0.89	1.18	2.57	3.72	5.66	6.39	5.66	3.52	2.66	1.15	0.88	0.39
-3.00	0.33	0.53	1.10	1.38	2.41	2.84	2.97	2.76	2.39	1.25	1.13	0.56	0.31
-4.00	0.26	0.39	0.77	1.03	1.17	1.31	1.40	1.32	1.12	0.99	0.70	0.40	0.27
-5.00	0.28	0.28	0.34	0.46	0.86	0.93	0.97	0.94	0.83	0.42	0.31	0.23	0.29
-6.00	0.22	0.26	0.22	0.32	0.38	0.37	0.38	0.38	0.35	0.30	0.20	0.25	0.19
-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.): 16.0

All illuminance level values are in lux.

Illum. (Min.): 0.19

Illum. Avg.: 2.01

Total Optical Solution Provider


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

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 411

Total flux (lm) 411

Report

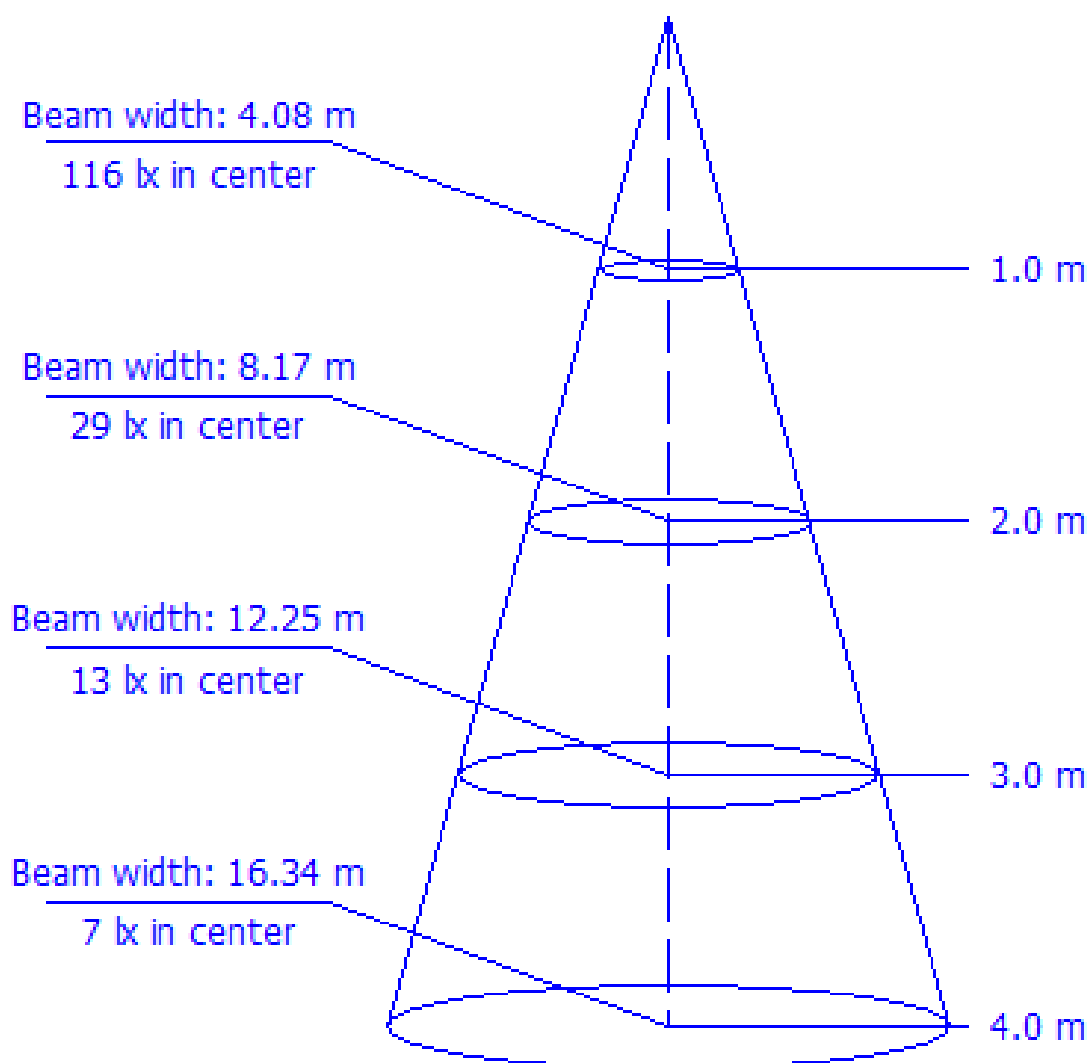
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Operatorcurrent (A) 0.486

Date Power Factor 1

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Illuminance Cone Diagram



Beam Angle = 128 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	411	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