

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 24K-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		0.4842, 0.4275	
Correlated Color Temperature	K	2534	
Ra	-	81.51	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.505	
Input Watt	W	12.08	
Lamp Flux	lm	617.8	
Efficient	lm/W	51.08	
Illuminance	lx	180	1 m
		45	2 m
		20	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) 618

Total flux (lm) 618

Report

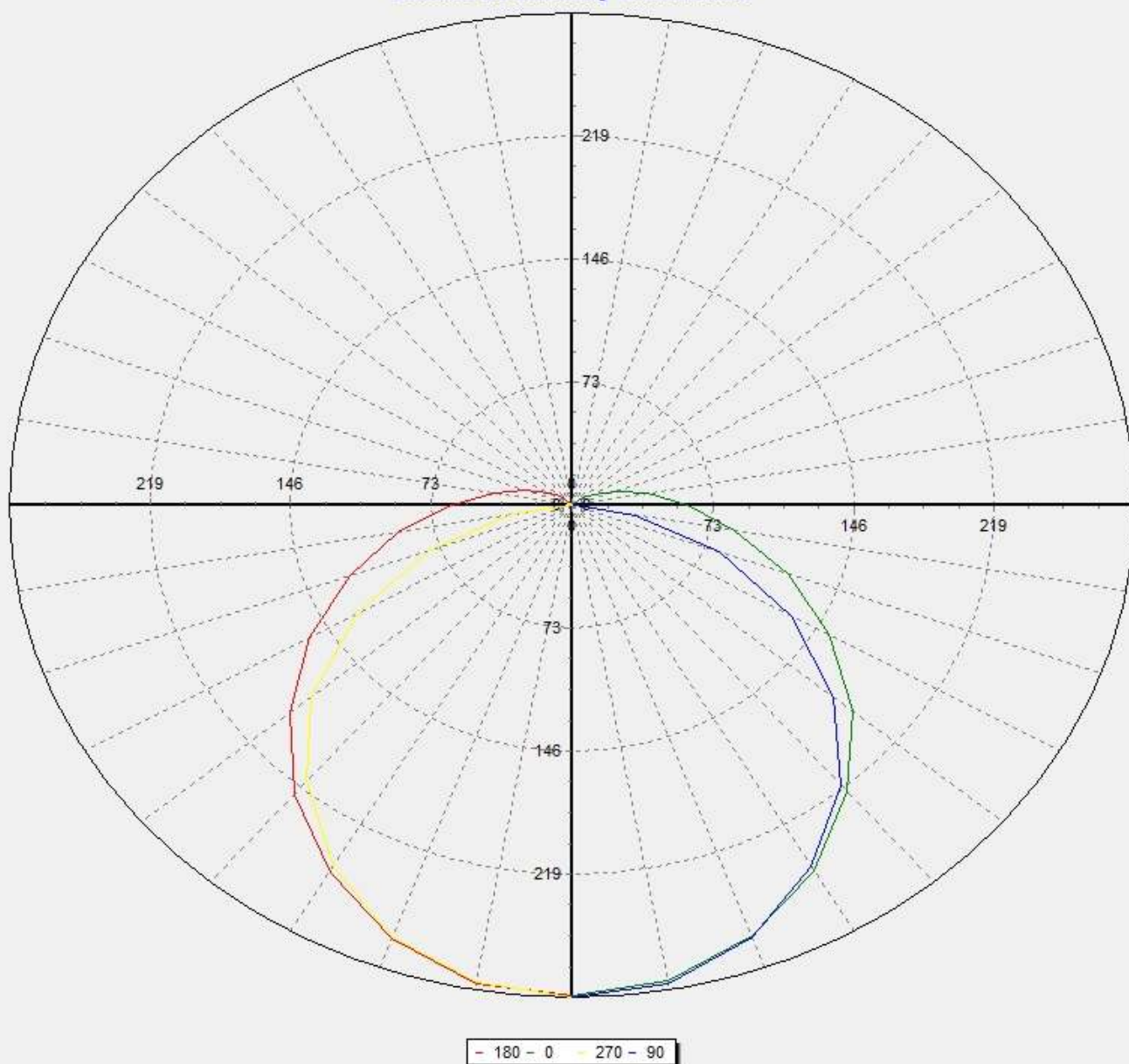
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 24K-24V.jdt

Operatorcurrent (A) 0.505

Date Power Factor 1

2019-02-11 오후 3:17:11

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\190129 FN2 24K-24V.jdt

Lamp flux (lm) 618

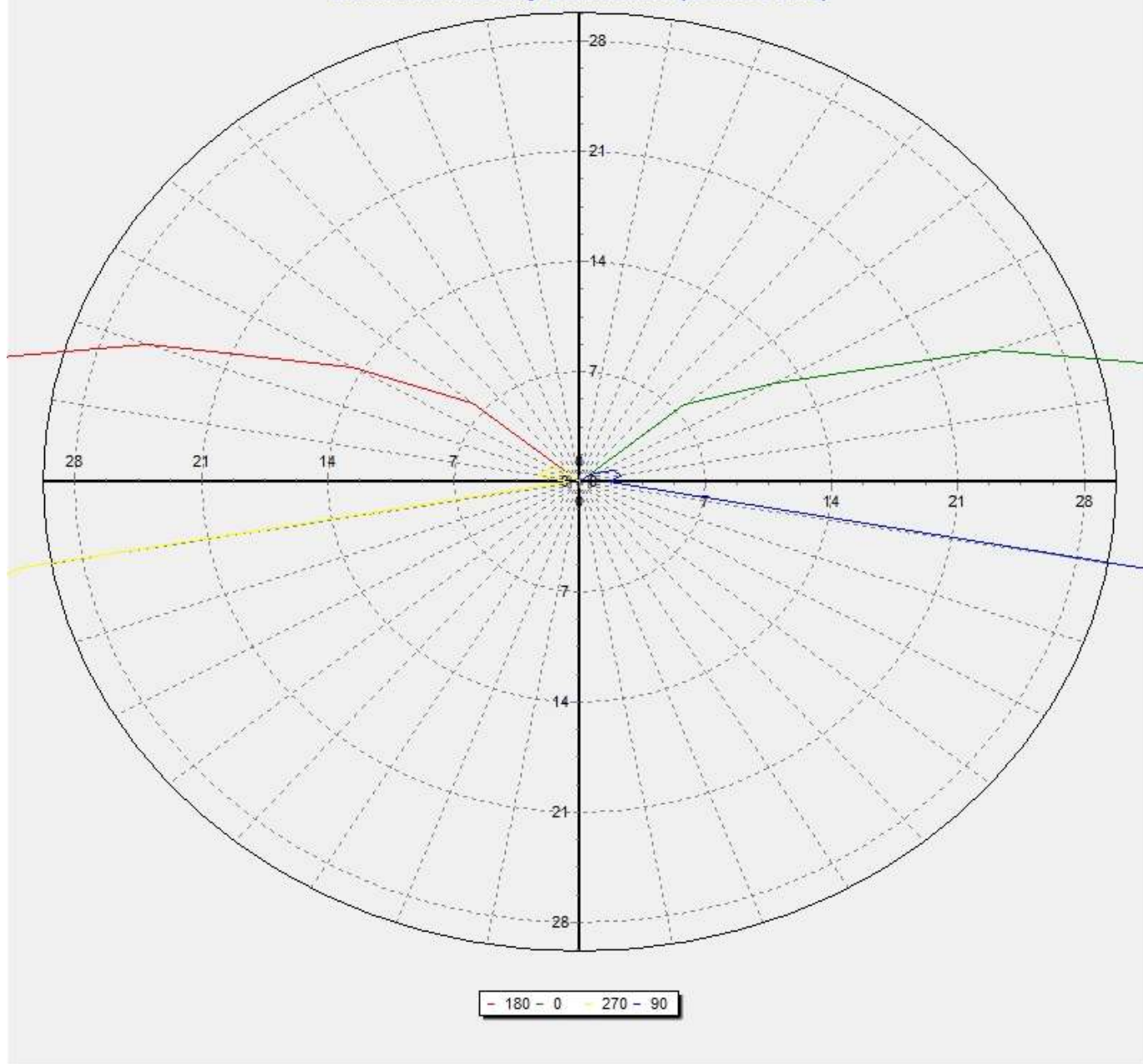
Operator current (A) 0.505

Total flux (lm) 618

Date Power Factor 1

2019-02-11 오후 3:17:11

Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp		Report	
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 24K-24V.jdt	
Lamp flux (lm)	618	Operator	current (A) 0.505
Total flux (lm)	618	Date	Power Factor 1

2019-02-11 오후 3:17:11

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	179.75	179.43	180.68	180.38	178.15	180.65	179.75	179.43	180.68	180.38	178.15	180.65	179.75
10	177.08	175.90	177.87	177.89	175.68	178.53	178.19	177.24	177.32	177.31	173.86	176.79	177.08
20	168.13	168.38	167.25	168.59	167.47	170.11	168.84	168.88	168.27	168.37	164.96	167.05	168.13
30	154.94	152.93	152.74	153.30	152.83	157.55	155.29	155.92	153.78	152.83	149.90	152.27	154.94
40	137.04	134.60	133.38	133.91	134.72	139.24	138.24	137.22	134.13	132.43	129.61	133.95	137.04
50	117.27	112.83	109.42	109.18	111.58	119.24	118.00	115.53	111.27	109.09	105.96	112.32	117.27
60	94.87	90.88	83.72	81.27	85.81	95.61	96.95	93.21	84.96	79.29	80.06	89.34	94.87
70	73.78	67.59	56.84	50.04	59.86	73.20	75.82	70.90	58.48	48.73	53.52	66.43	73.78
80	52.94	47.63	32.66	20.72	35.78	52.07	56.56	49.86	34.01	19.45	30.28	46.06	52.94
90	36.87	29.80	16.61	0.99	17.96	34.87	38.33	33.23	16.31	0.37	14.76	29.24	36.87
100	24.27	19.08	7.29	1.45	8.51	21.95	25.36	20.56	8.36	1.38	6.89	18.01	24.27
110	15.11	11.11	3.48	1.25	3.75	13.69	15.75	12.55	3.34	1.29	2.51	10.65	15.11
120	7.77	5.49	1.29	0.66	1.69	6.49	9.00	5.79	1.25	1.01	1.49	5.85	7.77
130	4.68	2.41	1.89	0.48	1.68	3.35	4.81	1.52	1.84	0.64	1.14	2.29	4.68

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\FEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 24K-24V.jdt		
Lamp flux (lm)	618	Operator	current (A)	0.505
Total flux (lm)	618	Date	Power Factor	1

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Luminous Flux Table

Total Lamp Lumens: 618

Luminaire Efficiency (lm/W):617.81

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.30	4.30	0.70	0.70
10	33.66	37.96	6.14	6.14
20	62.94	100.90	16.33	16.33
30	84.16	185.06	29.95	29.95
40	94.95	280.01	45.32	45.32
50	94.50	374.51	60.62	60.62
60	83.47	457.98	74.13	74.13
70	64.77	522.75	84.61	84.61
80	42.97	565.72	91.57	91.57
90	24.58	590.30	95.55	95.55
100	14.66	604.96	97.92	97.92
110	8.10	613.06	99.23	99.23
120	3.78	616.84	99.84	99.84
130	0.97	617.81	100.00	100.00

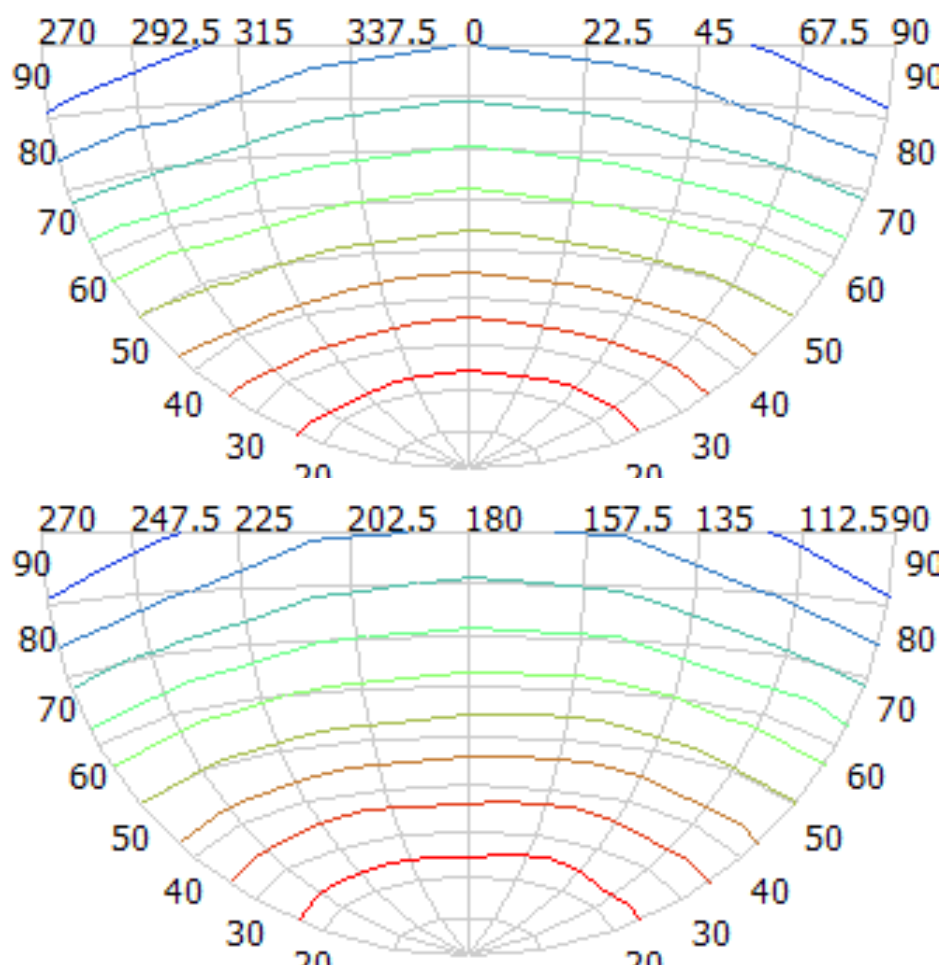
Luminaire

Lamp

No. of lamps	1	Report	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 24K-24V.jdt
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Total flux (lm)	618	Date	Power Factor	1

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IsoCandela (Type C)



0 ~ 18	91 ~ 109
18 ~ 36	109 ~ 127
36 ~ 54	127 ~ 145
54 ~ 72	145 ~ 163
72 ~ 91	163 ~ 181

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 618

Total flux (lm) 618

Report

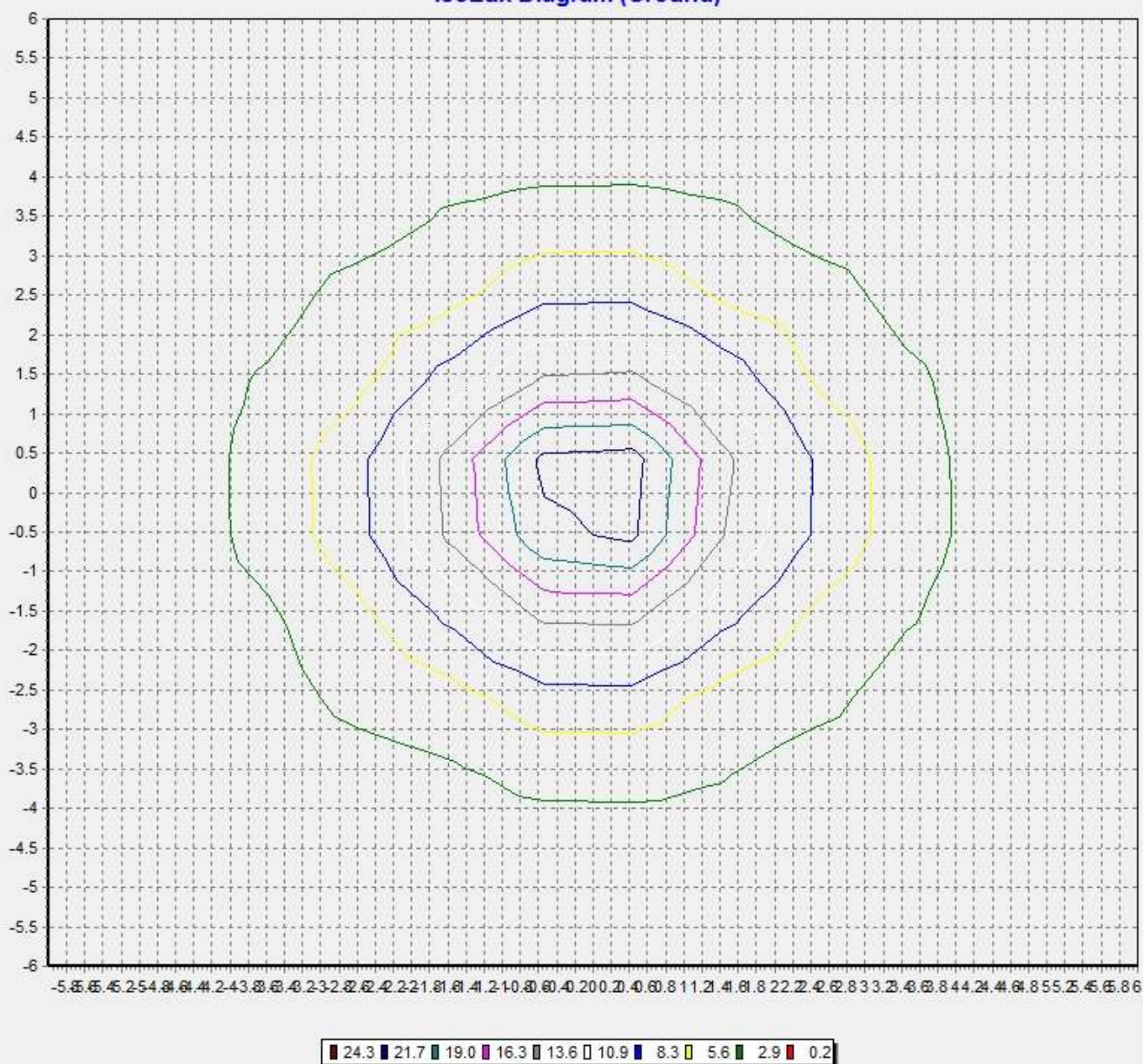
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Operatorcurrent (A) 0.505

Date Power Factor 1

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IsoLux Diagram (Ground)



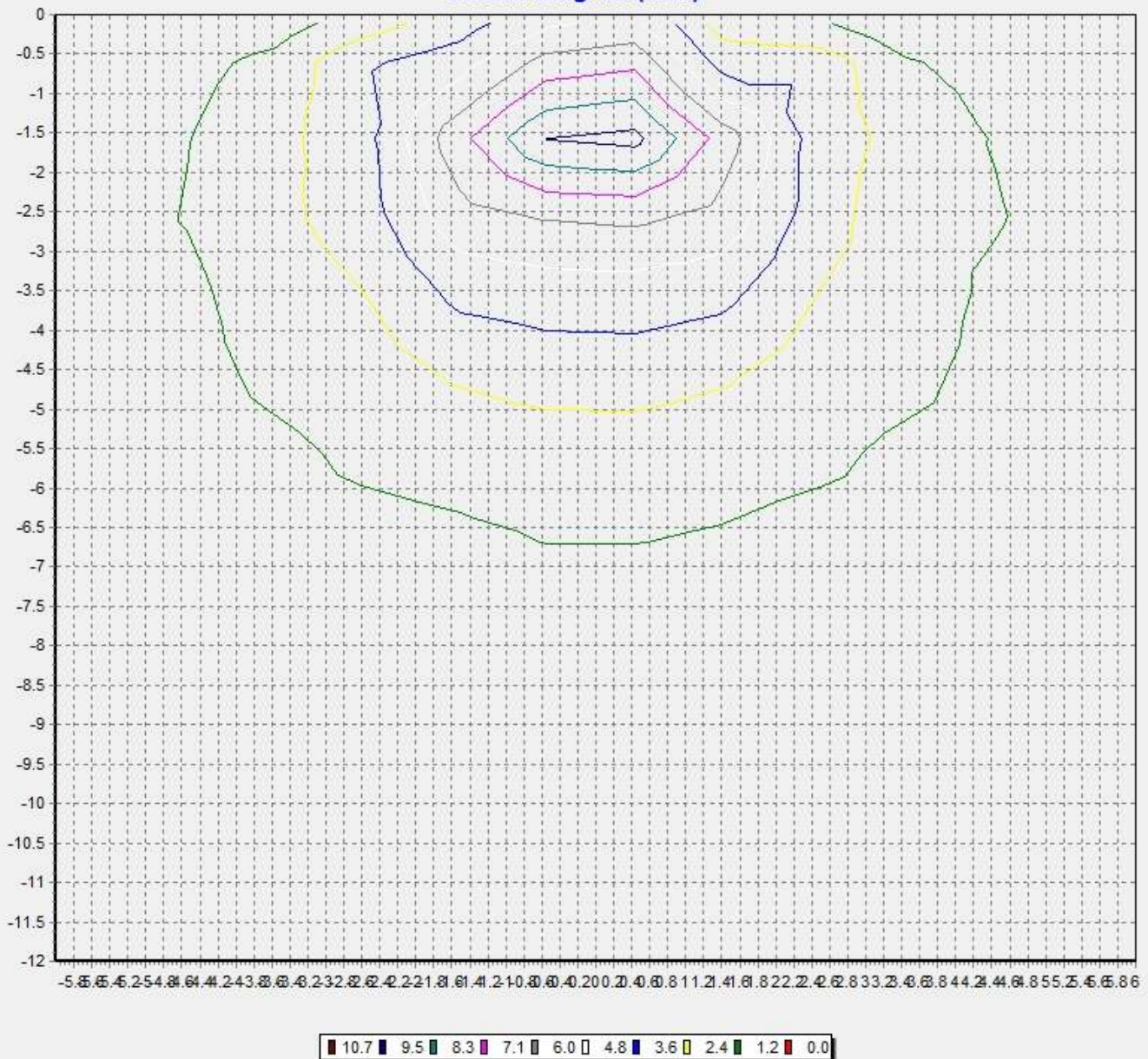
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 24K-24V.jdt
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Total flux (lm)	618	Date	Power Factor 1
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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)	618	Current (A)	0.505
Total flux (lm)	618	Power Factor	1

Report

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Operator

Date

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Illuminance Levels (Ground)

6.00	0.29	0.38	0.31	0.46	0.54	0.60	0.60	0.59	0.59	0.51	0.35	0.40	0.34
5.00	0.43	0.36	0.49	0.67	1.26	1.46	1.54	1.46	1.29	0.71	0.54	0.45	0.44
4.00	0.43	0.61	1.08	1.55	1.67	2.06	2.22	2.05	1.75	1.56	1.15	0.63	0.44
3.00	0.47	0.85	1.67	1.91	3.73	4.20	4.69	4.23	3.72	2.09	1.66	0.85	0.52
2.00	0.60	1.30	1.70	3.91	5.38	8.48	10.01	8.47	5.54	3.85	1.78	1.32	0.64
1.00	0.76	1.60	2.33	4.34	8.52	14.93	20.09	15.00	8.49	4.34	2.24	1.54	0.71
0.00	0.80	1.69	2.53	5.01	10.26	20.12	24.66	20.00	10.20	4.98	2.50	1.67	0.78
-1.00	0.76	1.60	2.33	4.41	8.65	15.14	20.02	14.78	8.20	4.11	2.25	1.56	0.73
-2.00	0.66	1.34	1.82	3.89	5.62	8.62	9.93	8.19	5.25	3.74	1.59	1.23	0.55
-3.00	0.54	0.87	1.68	2.13	3.76	4.32	4.67	4.07	3.68	1.84	1.57	0.79	0.43
-4.00	0.45	0.65	1.17	1.59	1.80	2.05	2.19	2.06	1.57	1.53	1.04	0.56	0.39
-5.00	0.45	0.47	0.56	0.73	1.31	1.46	1.53	1.47	1.21	0.65	0.47	0.33	0.40
-6.00	0.34	0.41	0.36	0.53	0.61	0.58	0.58	0.61	0.50	0.42	0.30	0.37	0.28
-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.): 24.7

All illuminance level values are in lux.

Illum. (Min.): 0.28

Illum. Avg.: 3.01

Total Optical Solution Provider


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

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 618

Total flux (lm) 618

Report

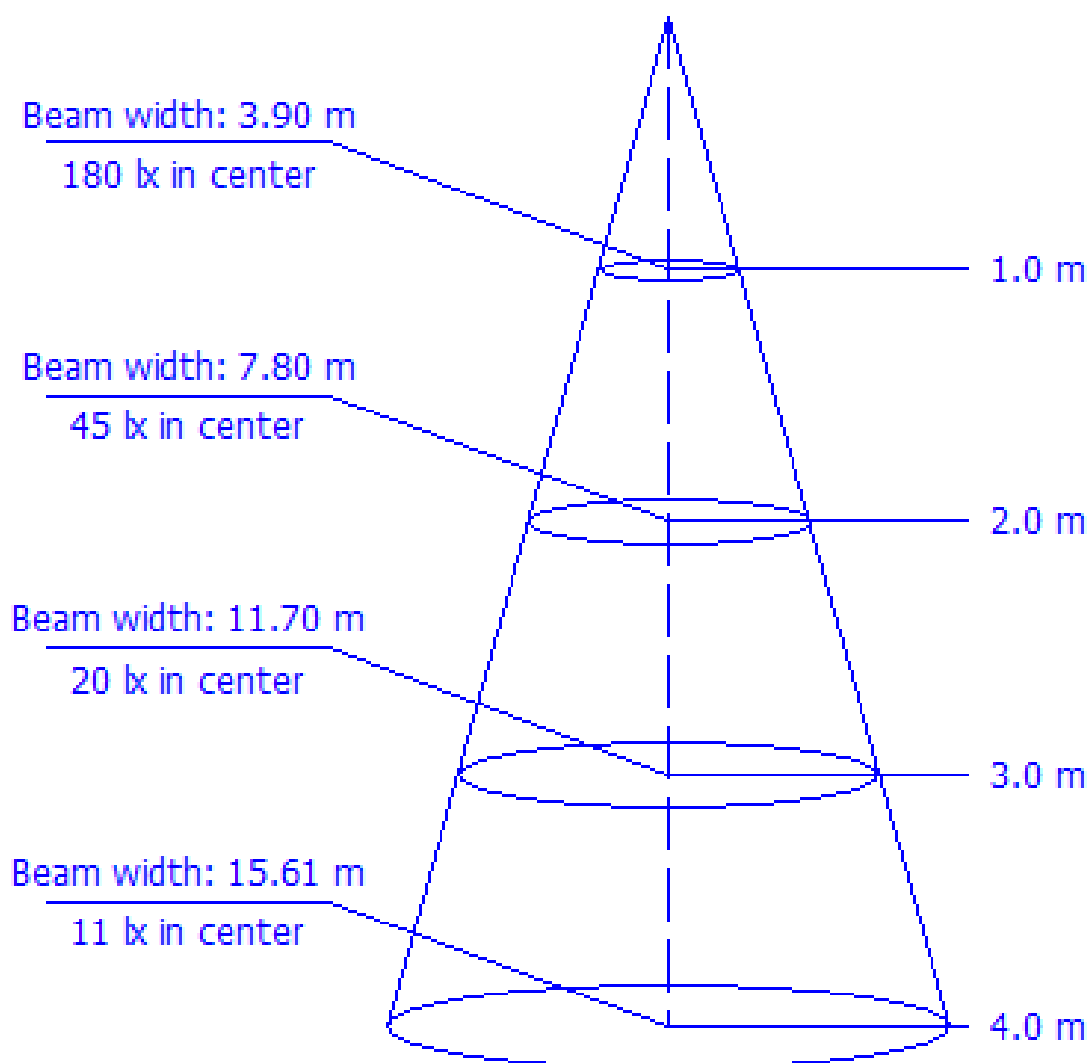
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Operatorcurrent (A) 0.505

Date Power Factor 1

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Illuminance Cone Diagram



Beam Angle = 126 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	618	Current (A)	0.505
Total flux (lm)	618	Power Factor	1

Report

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Operator

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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