

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 RD-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		0.6900, 0.3098	
Correlated Color Temperature	K	5294	
Ra	-	-39.5	
Power Factor	%	1.000	
Input Voltage	V	23.940	
Input Current	A	0.521	
Input Watt	W	12.47	
Lamp Flux	lm	80.9	
Efficient	lm/W	6.49	
Illuminance	lx	24	1 m
		6	2 m
		3	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) 81

Total flux (lm) 81

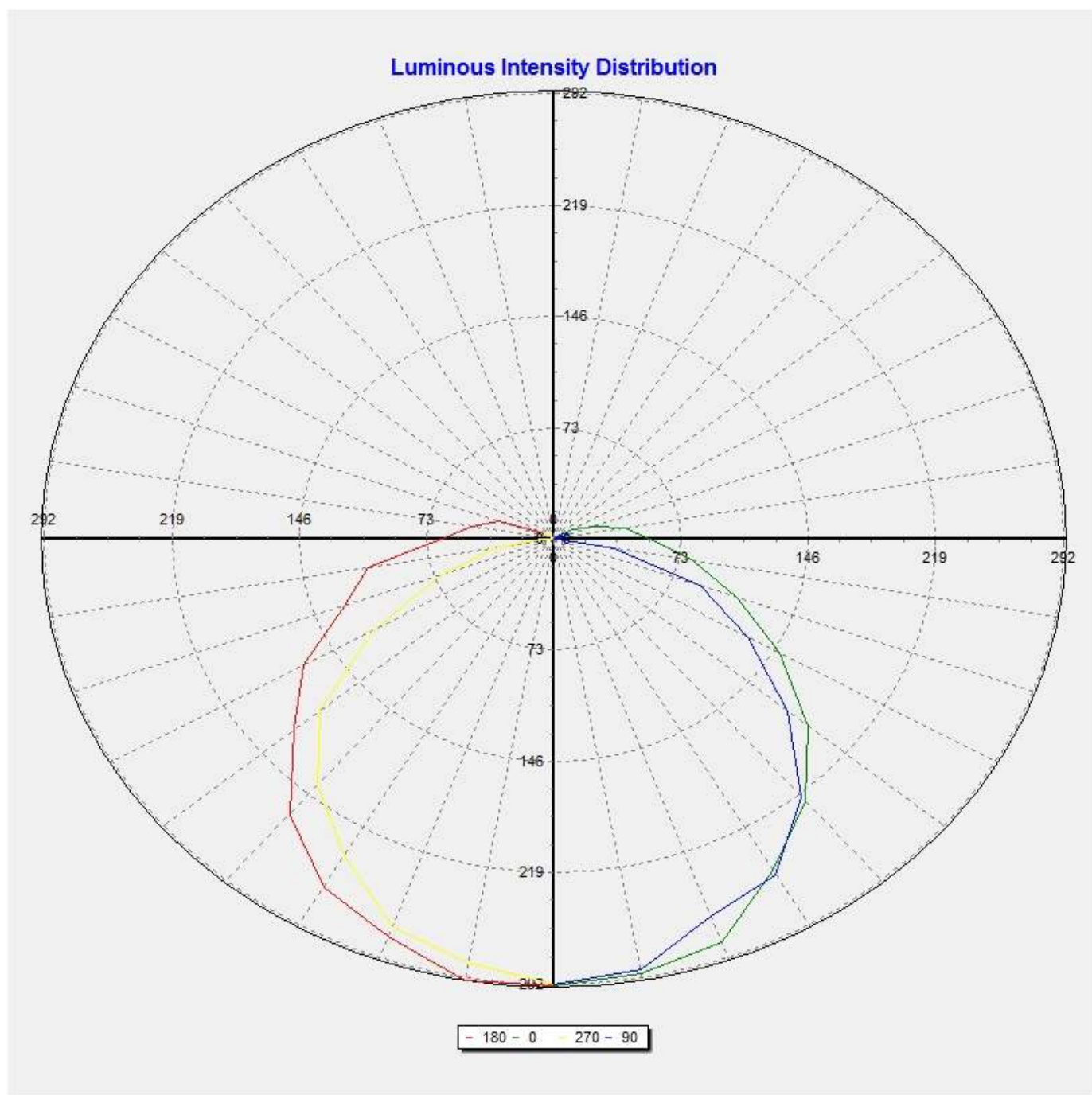
Report

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

Operator rrent (A) 0.521

Date Power Factor 1

2019-02-11 오후 4:34:04



All luminous intensity values are in Cd/KLm unit.

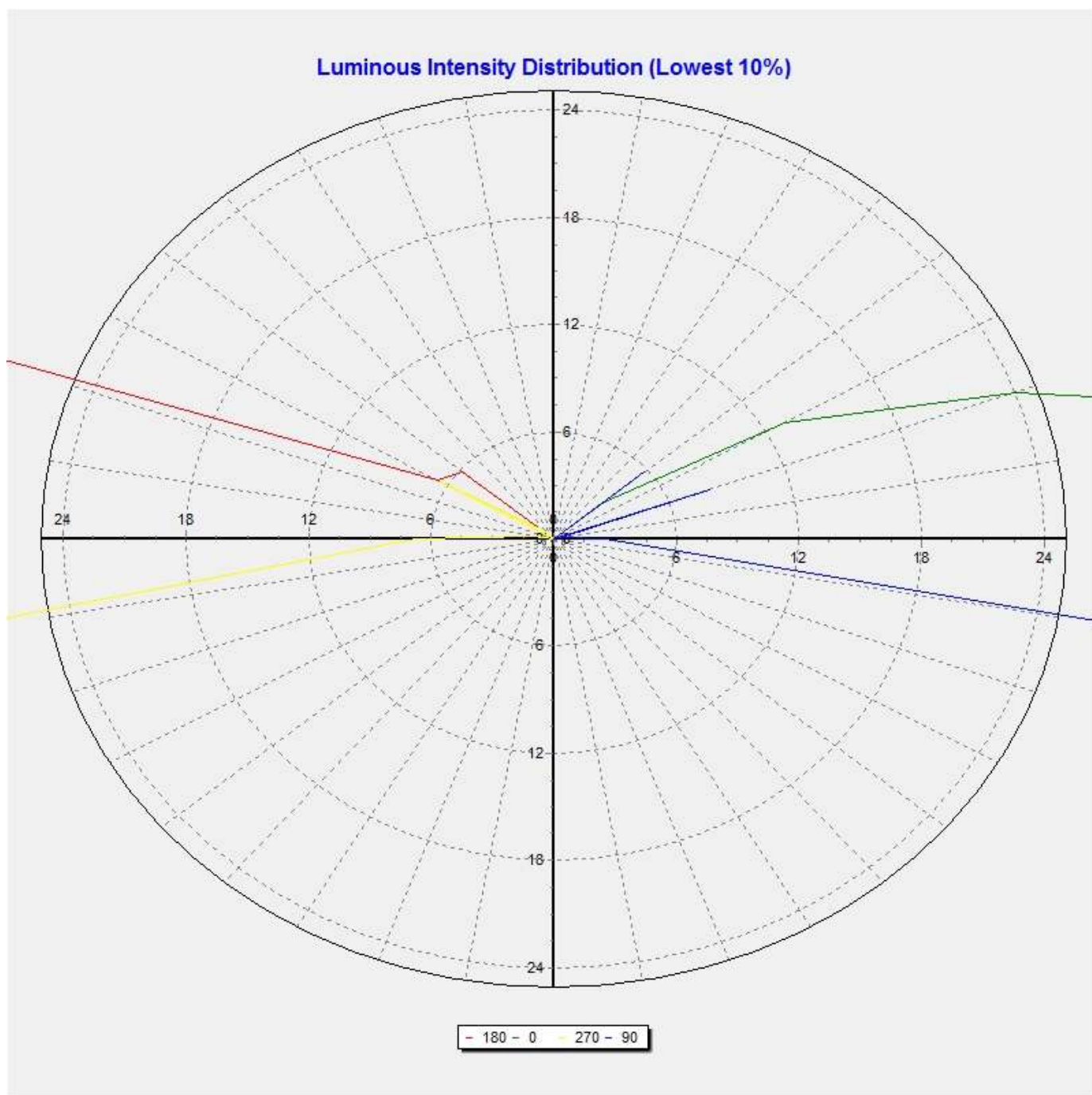
Luminaire

Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 RD-24V.jdt
Lamp flux (lm)	81	Operator	rrrent (A) 0.521
Total flux (lm)	81	Date	Power Factor 1

2019-02-11 오후 4:34:04



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Luminaire

Lamp	Report		
No. of lamps	1	Filename)C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 RD-24V.jdt	
Lamp flux (lm)	81	Operator	rrrent (A) 0.521
Total flux (lm)	81	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	23.67	24.41	23.61	23.65	24.15	23.27	23.67	24.41	23.61	23.65	24.15	23.27	23.67
10	23.38	23.03	23.39	23.20	23.37	22.76	23.77	23.69	23.34	22.84	22.98	22.73	23.38
20	22.75	21.22	21.79	21.32	21.84	21.93	22.42	22.60	22.83	21.88	21.14	21.12	22.75
30	20.34	19.96	19.97	20.60	20.71	20.97	21.31	20.99	20.15	19.40	18.99	18.48	20.34
40	18.15	17.22	17.41	17.84	17.96	18.06	19.07	18.08	17.57	17.02	16.03	16.08	18.15
50	15.40	15.19	14.45	14.19	15.05	15.96	15.73	15.32	14.08	14.12	13.13	13.75	15.40
60	12.10	12.12	10.96	10.39	11.51	12.06	13.38	13.06	11.83	9.67	8.52	9.95	12.10
70	9.06	9.23	7.66	7.24	8.17	10.54	10.31	9.83	7.21	5.54	6.49	8.03	9.06
80	6.57	6.40	4.52	2.82	6.08	7.19	8.74	7.58	4.54	2.75	3.82	5.31	6.57
90	4.44	4.56	1.78	0.20	2.70	4.89	5.20	4.60	2.70	0.55	1.19	2.57	4.44
100	3.32	2.82	1.14	0.03	1.27	3.23	3.86	2.91	1.29	0.08	0.82	1.64	3.32
110	1.95	1.46	0.44	0.66	1.07	2.23	2.69	1.28	-0.19	-0.22	0.23	0.98	1.95
120	1.06	0.40	0.12	-0.11	-0.11	1.31	0.53	0.57	-0.16	0.52	0.10	0.84	1.06
130	0.26	0.39	-0.46	0.47	0.57	0.44	0.48	-0.23	-0.05	0.06	0.53	-0.03	0.26

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 RD-24V.jdt		
Lamp flux (lm)	81	Operator	rrrent (A)	0.521
Total flux (lm)	81	Date	Power Factor	1

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Luminous Flux Table

Total Lamp Lumens: 80.9

Luminaire Efficiency (lm/W): 80.91

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.57	0.57	0.70	0.70
10	4.41	4.98	6.16	6.16
20	8.20	13.19	16.30	16.30
30	11.04	24.22	29.94	29.94
40	12.35	36.57	45.21	45.20
50	12.33	48.90	60.45	60.44
60	10.72	59.62	73.69	73.69
70	8.52	68.14	84.22	84.21
80	5.96	74.10	91.59	91.58
90	3.23	77.32	95.58	95.57
100	2.01	79.34	98.07	98.06
110	1.08	80.42	99.40	99.39
120	0.40	80.82	99.90	99.89
130	0.09	80.91	100.01	100.00

Luminaire

Lamp

Report

No. of lamps 1

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

Lamp flux (lm) 81

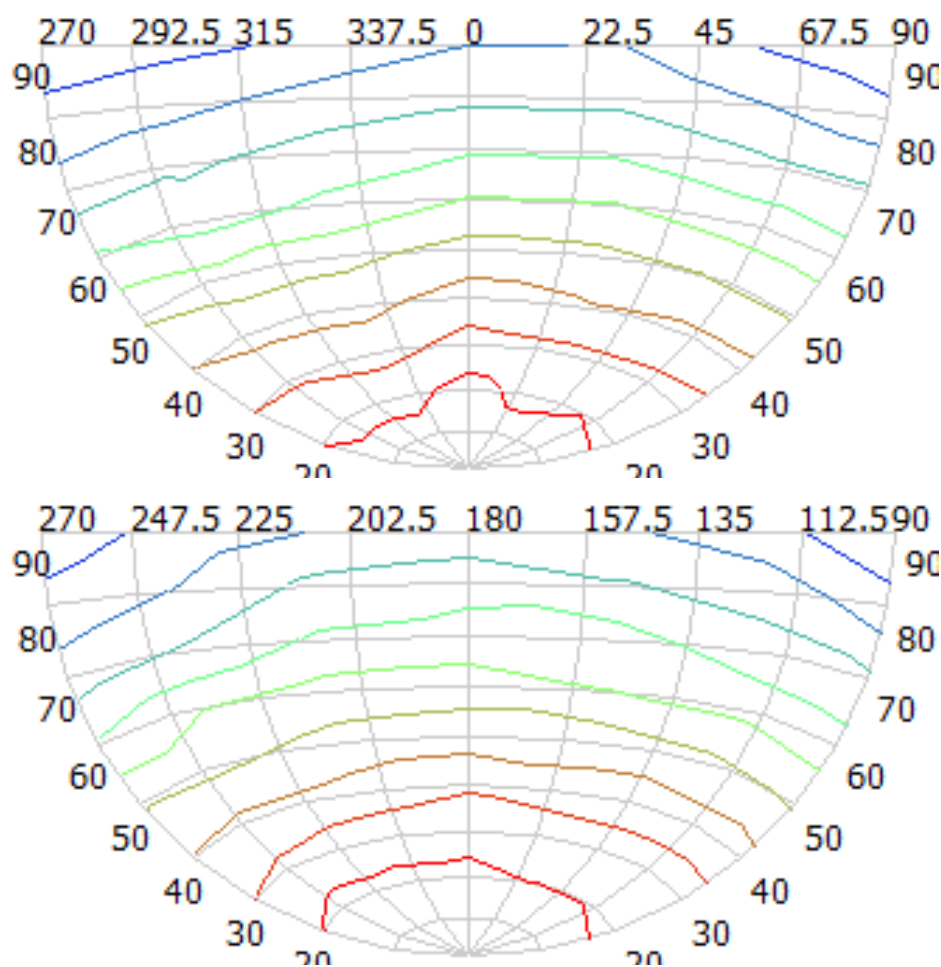
Operator rrent (A) 0.521

Total flux (lm) 81

Date Power Factor 1

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IsoCandela (Type C)



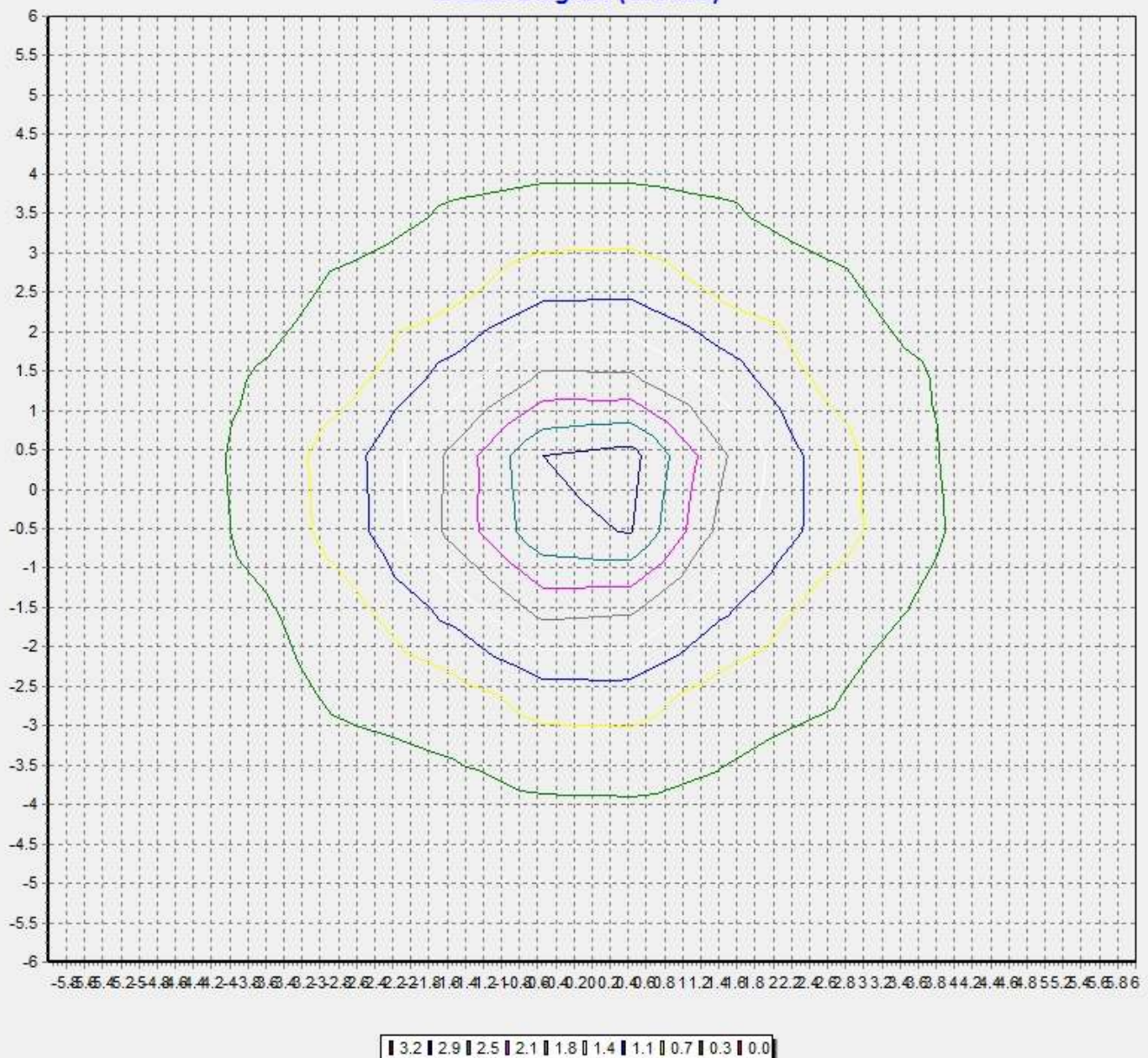
Luminaire

Lamp

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IsoLux Diagram (Ground)



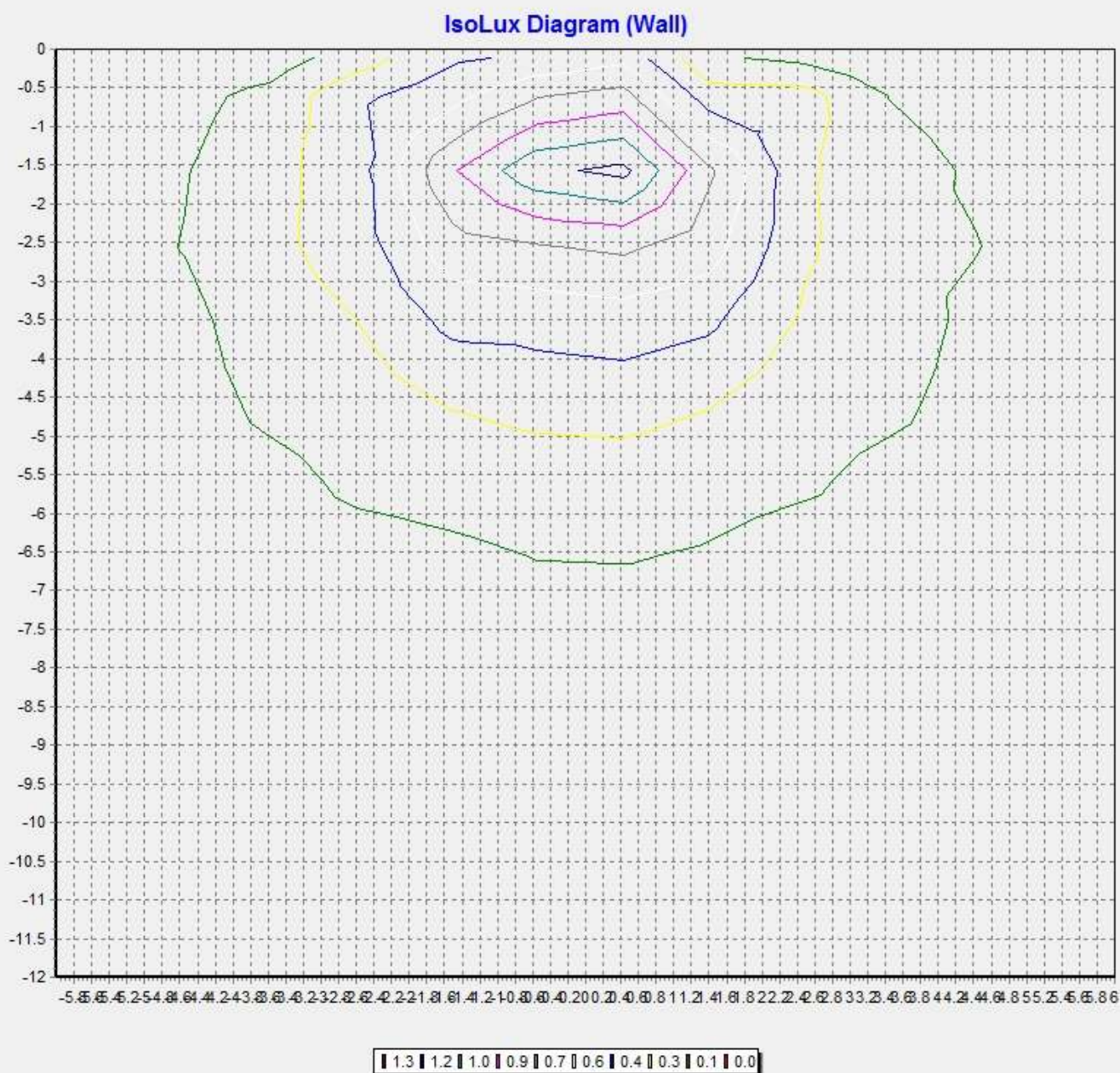
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report		
No. of lamps	1	Filename)C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 RD-24V.jdt	
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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)	81	Current (A)	0.521
Total flux (lm)	81	Power Factor	1

Report

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Operator

Date

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Illuminance Levels (Ground)

6.00	0.04	0.05	0.04	0.06	0.07	0.08	0.08	0.08	0.08	0.07	0.05	0.05	0.04
5.00	0.06	0.05	0.07	0.09	0.17	0.19	0.20	0.19	0.17	0.09	0.07	0.06	0.06
4.00	0.06	0.08	0.14	0.20	0.22	0.27	0.29	0.27	0.23	0.21	0.15	0.08	0.05
3.00	0.06	0.11	0.22	0.25	0.49	0.56	0.61	0.56	0.49	0.27	0.22	0.11	0.07
2.00	0.08	0.17	0.23	0.51	0.71	1.13	1.34	1.09	0.73	0.51	0.24	0.18	0.08
1.00	0.10	0.21	0.31	0.58	1.13	1.99	2.62	1.96	1.09	0.58	0.27	0.19	0.08
0.00	0.11	0.23	0.34	0.67	1.41	2.68	3.25	2.64	1.35	0.65	0.32	0.22	0.10
-1.00	0.10	0.21	0.31	0.59	1.15	2.05	2.58	1.88	1.01	0.51	0.28	0.20	0.09
-2.00	0.09	0.18	0.25	0.53	0.75	1.14	1.27	1.02	0.66	0.45	0.17	0.15	0.06
-3.00	0.08	0.12	0.22	0.29	0.49	0.56	0.60	0.51	0.47	0.22	0.19	0.09	0.05
-4.00	0.06	0.09	0.16	0.21	0.25	0.27	0.28	0.27	0.17	0.19	0.13	0.07	0.05
-5.00	0.06	0.06	0.07	0.10	0.18	0.19	0.20	0.19	0.15	0.08	0.05	0.04	0.04
-6.00	0.05	0.06	0.05	0.07	0.08	0.07	0.07	0.08	0.06	0.05	0.03	0.04	0.03
-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.): 3.25

All illuminance level values are in lux.

Illum. (Min.): 0.03

Illum. Avg.: 0.39

Total Optical Solution Provider


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

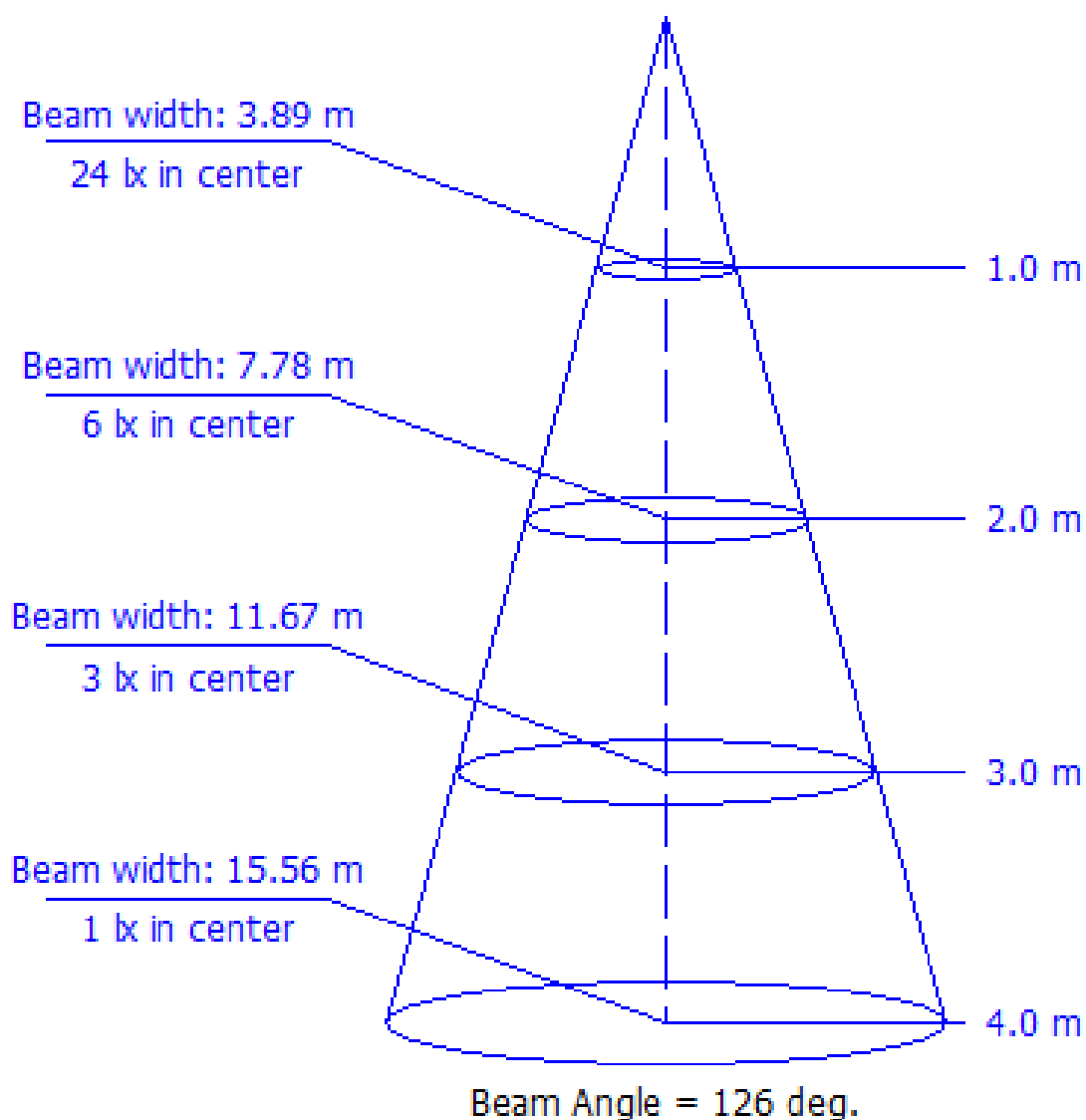
Luminaire

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Illuminance Cone Diagram



Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	81	Power Factor	1

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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