

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 / 190211 FN2 BL-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		0.1411, 0.0607	
Correlated Color Temperature	K	0	
Ra	-	0	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.434	
Input Watt	W	10.41	
Lamp Flux	lm	85.8	
Efficient	lm/W	8.25	
Illuminance	lx	25	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

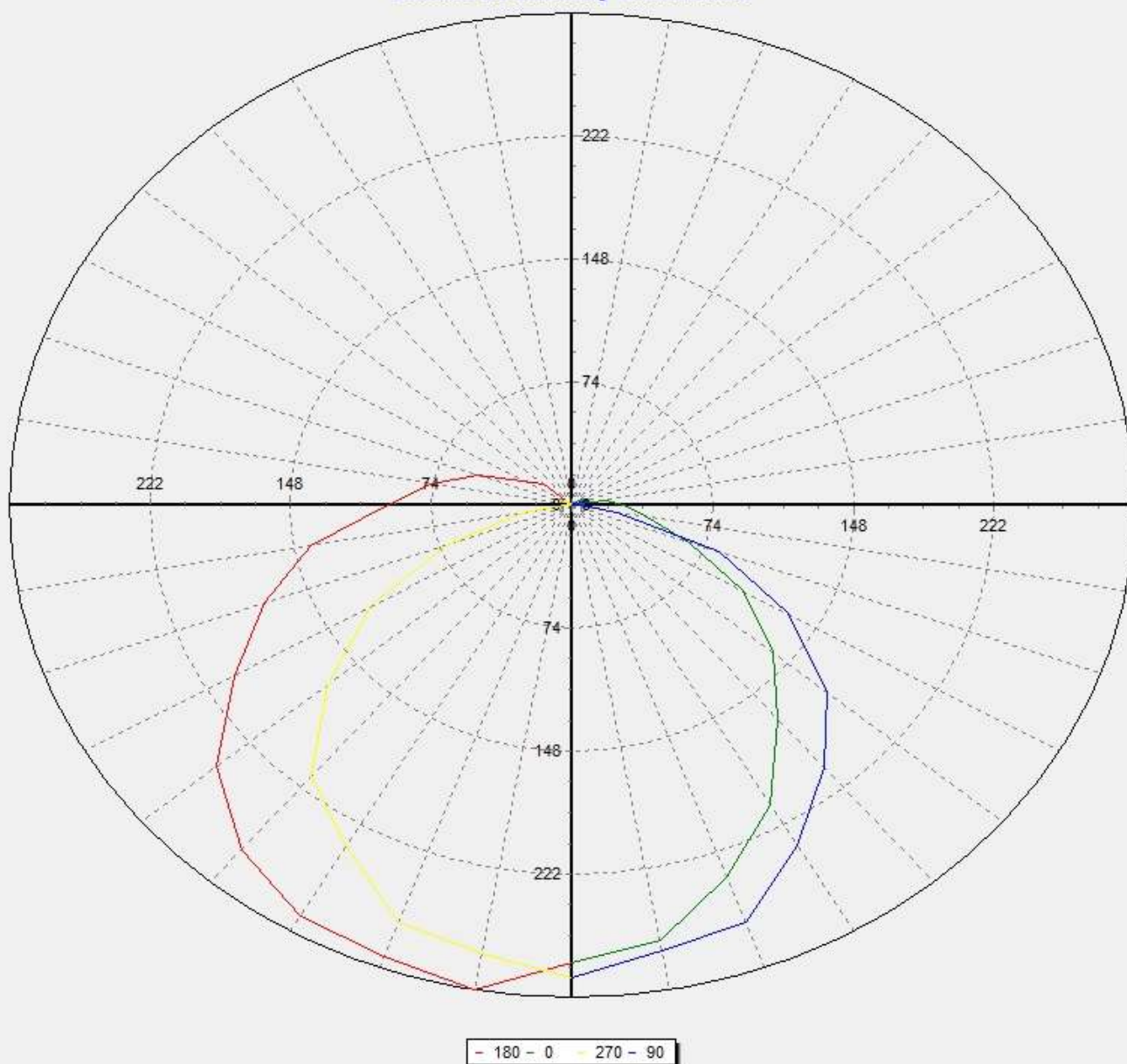
Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190211 FN2 BL-24V.jdt
Lamp flux (lm)	86	Operator	rrrent (A) 0.434
Total flux (lm)	86	Date	Power Factor 1

2019-02-11 오후 4:56:38

Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

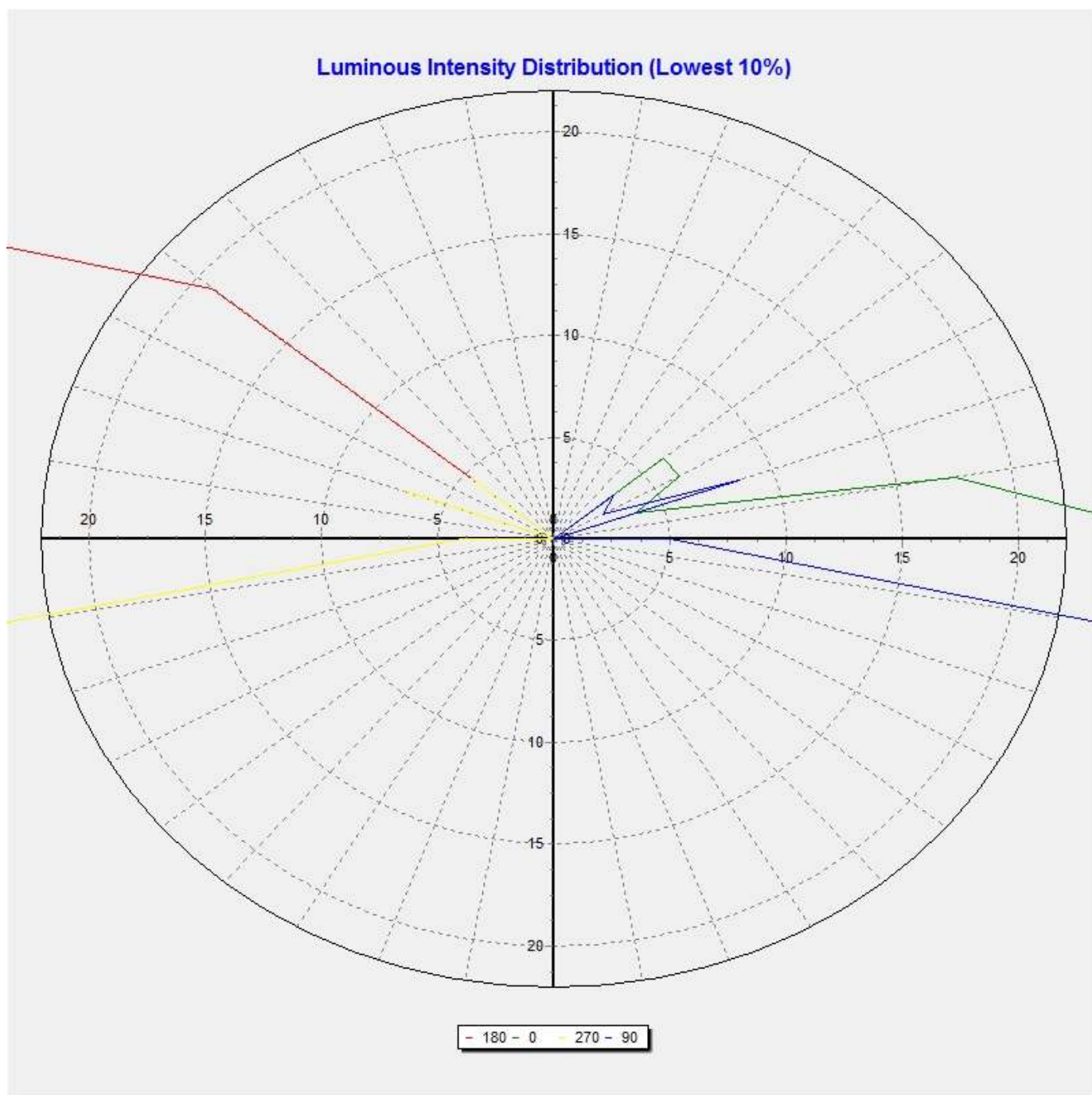
Luminaire

Lamp

Report

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Luminaire

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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	23.61	23.77	23.98	24.35	24.13	24.01	23.61	23.77	23.98	24.35	24.13	24.01	23.61
10	22.81	22.36	22.87	23.35	24.86	24.63	25.38	24.93	24.13	23.51	22.78	22.79	22.81
20	20.41	20.75	20.87	22.88	23.93	24.86	24.82	25.22	23.87	22.88	21.69	20.32	20.41
30	17.83	18.09	18.94	20.27	23.08	24.48	24.50	23.05	22.12	20.37	18.41	17.46	17.83
40	14.43	14.77	15.99	17.71	20.93	22.30	23.18	22.39	19.90	18.27	15.04	14.10	14.43
50	11.80	11.64	12.57	14.98	18.69	19.91	20.95	20.13	17.69	14.41	12.04	10.94	11.80
60	8.89	8.32	8.85	11.21	15.05	17.61	17.61	17.64	14.61	10.44	7.92	8.07	8.89
70	5.65	5.88	6.18	7.07	11.17	15.14	14.79	13.64	10.38	6.07	4.62	5.48	5.65
80	3.43	3.71	2.49	2.04	7.25	11.03	11.93	10.81	6.47	2.27	2.71	3.29	3.43
90	2.37	2.21	0.49	0.43	4.31	8.01	8.31	8.40	3.77	0.34	1.17	1.79	2.37
100	1.51	1.20	0.22	-0.38	2.35	5.79	6.44	5.69	2.35	-0.25	0.45	0.84	1.51
110	0.32	1.10	0.58	0.73	1.43	3.40	4.56	3.53	0.81	0.59	-0.24	-0.25	0.32
120	0.54	-0.09	0.69	0.21	0.10	1.86	2.54	1.51	0.25	-0.01	-0.72	0.38	0.54
130	0.53	0.44	-0.61	0.29	-0.09	1.22	1.64	0.38	0.86	0.39	-0.29	0.20	0.53

Luminaire

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Luminous Flux Table

Total Lamp Lumens: 85.8
 Luminaire Efficiency (lm/W): 85.81
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.57	0.57	0.67	0.67
10	4.51	5.08	5.92	5.92
20	8.51	13.59	15.84	15.83
30	11.34	24.93	29.06	29.05
40	12.85	37.78	44.03	44.03
50	12.99	50.77	59.17	59.16
60	11.56	62.32	72.64	72.63
70	9.10	71.42	83.24	83.23
80	6.06	77.48	90.31	90.30
90	3.80	81.28	94.73	94.72
100	2.36	83.64	97.48	97.46
110	1.42	85.06	99.13	99.12
120	0.57	85.63	99.80	99.79
130	0.18	85.81	100.01	100.00

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190211 FN2 BL-24V.jdt

Lamp flux (lm) 86

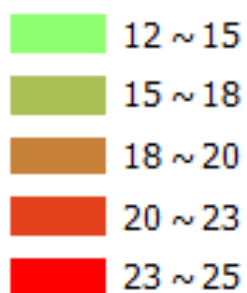
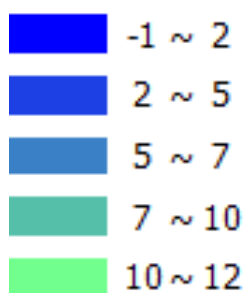
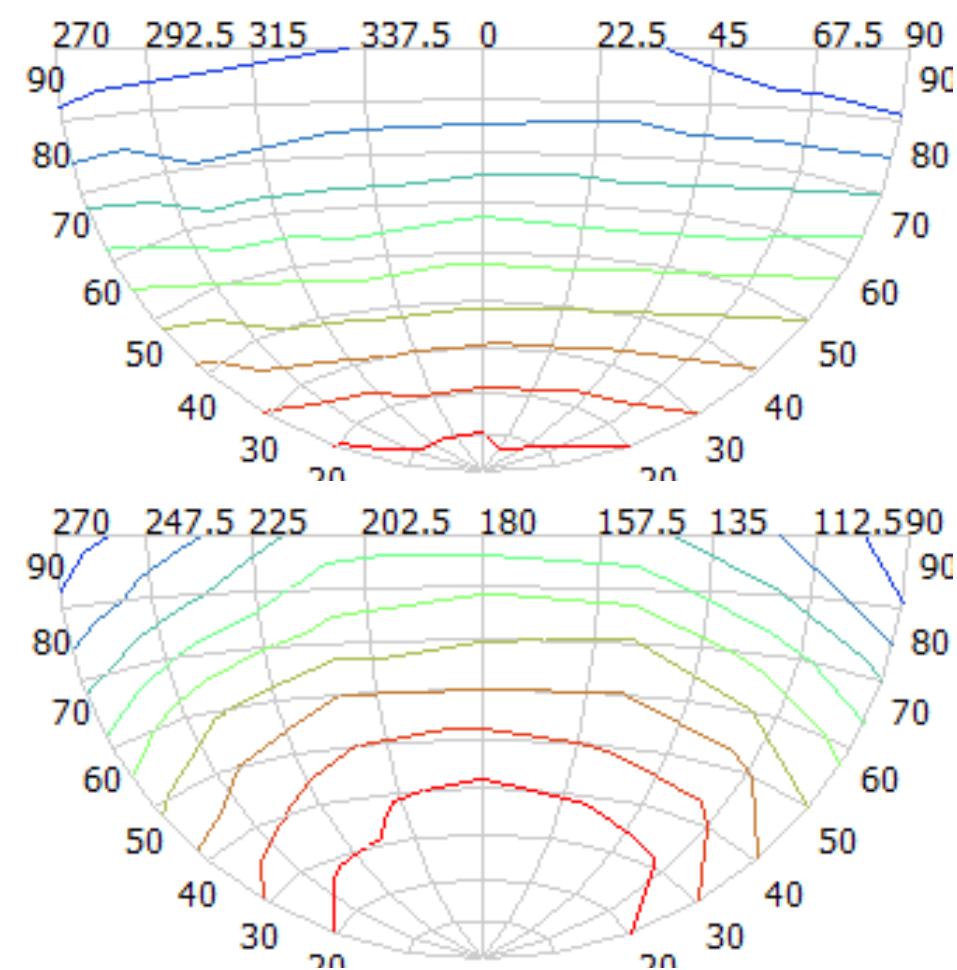
Operator rrent (A) 0.434

Total flux (lm) 86

Date Power Factor 1

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IsoCandela (Type C)

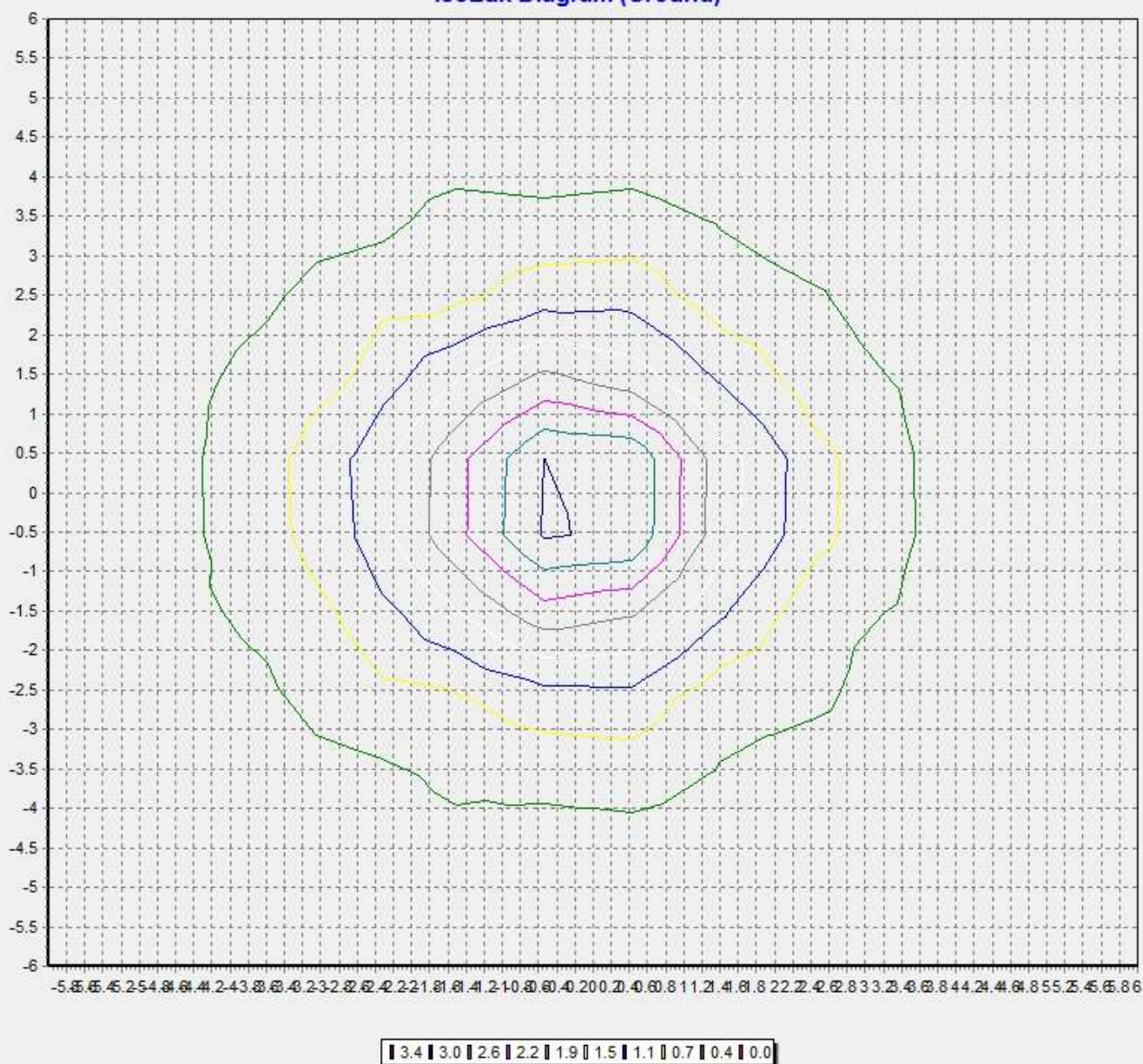


Luminaire

Lamp		Report	
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IsoLux Diagram (Ground)



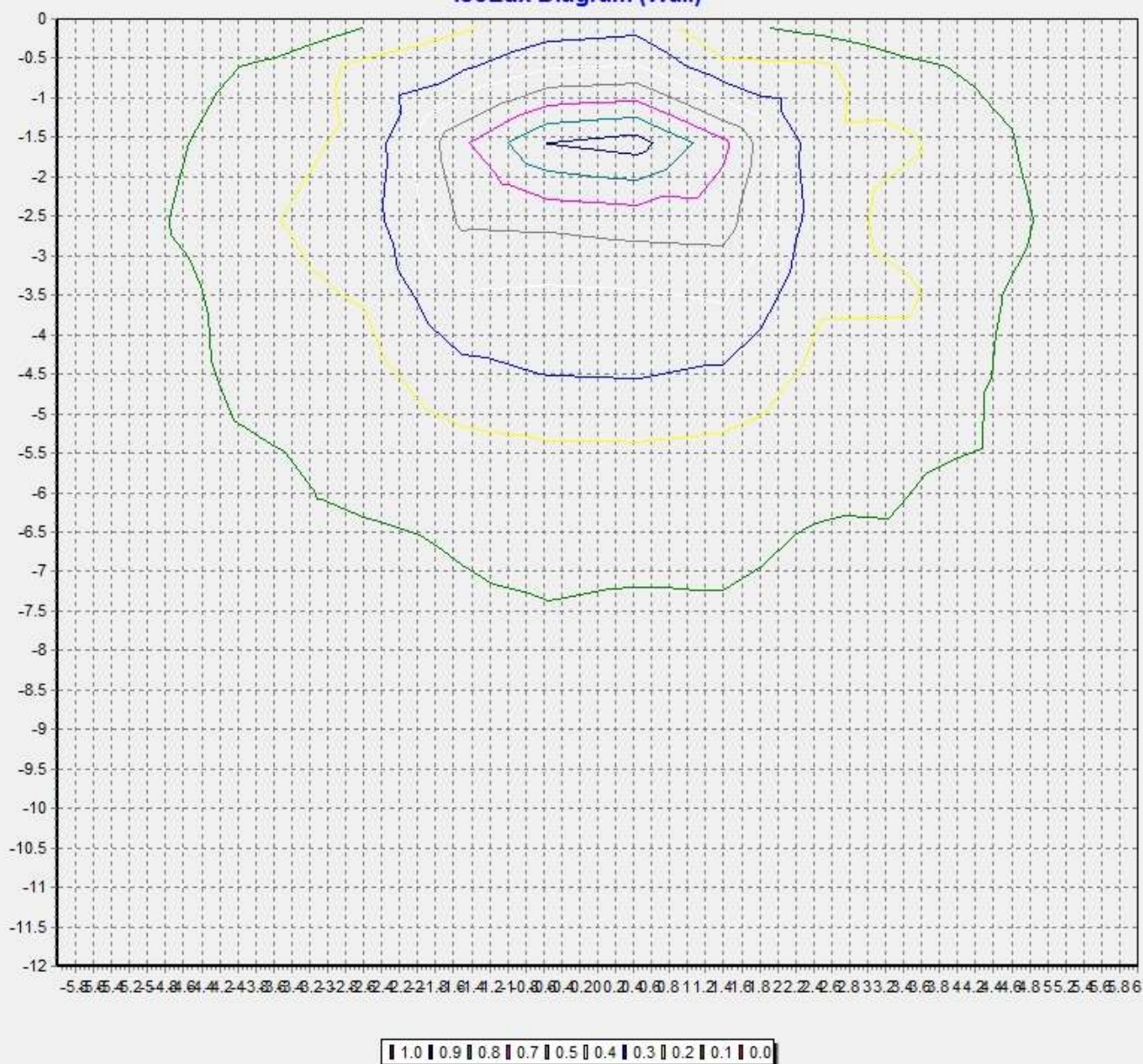
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
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		Power Factor	1

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)	86	Current (A)	0.434
Total flux (lm)	86	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190211 FN2 BL-24V.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.05	0.06	0.05	0.08	0.09	0.07	0.08	0.08	0.06	0.05	0.04	0.04	0.03
5.00	0.08	0.06	0.08	0.09	0.20	0.18	0.21	0.19	0.13	0.08	0.06	0.04	0.04
4.00	0.09	0.12	0.17	0.22	0.28	0.25	0.31	0.26	0.17	0.17	0.11	0.05	0.03
3.00	0.09	0.17	0.28	0.30	0.51	0.65	0.64	0.46	0.44	0.20	0.17	0.07	0.05
2.00	0.11	0.22	0.30	0.63	0.80	1.29	1.32	0.94	0.58	0.40	0.17	0.13	0.06
1.00	0.15	0.28	0.42	0.72	1.33	2.11	2.64	1.77	0.93	0.44	0.21	0.15	0.06
0.00	0.15	0.30	0.46	0.88	1.68	2.87	3.24	2.57	1.11	0.51	0.24	0.17	0.07
-1.00	0.15	0.28	0.42	0.77	1.41	2.30	2.66	1.91	0.94	0.44	0.21	0.15	0.06
-2.00	0.13	0.24	0.34	0.66	0.96	1.39	1.35	0.97	0.65	0.39	0.16	0.13	0.05
-3.00	0.10	0.16	0.30	0.39	0.58	0.72	0.62	0.49	0.49	0.22	0.16	0.07	0.04
-4.00	0.09	0.12	0.21	0.26	0.33	0.31	0.29	0.31	0.16	0.19	0.13	0.05	0.03
-5.00	0.08	0.09	0.10	0.13	0.23	0.21	0.20	0.22	0.14	0.08	0.05	0.04	0.04
-6.00	0.06	0.07	0.07	0.10	0.11	0.08	0.08	0.10	0.05	0.04	0.04	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.): 3.24

All illuminance level values are in lux.

Illum. (Min.): 0.03

Illum. Avg.: 0.41

Total Optical Solution Provider


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

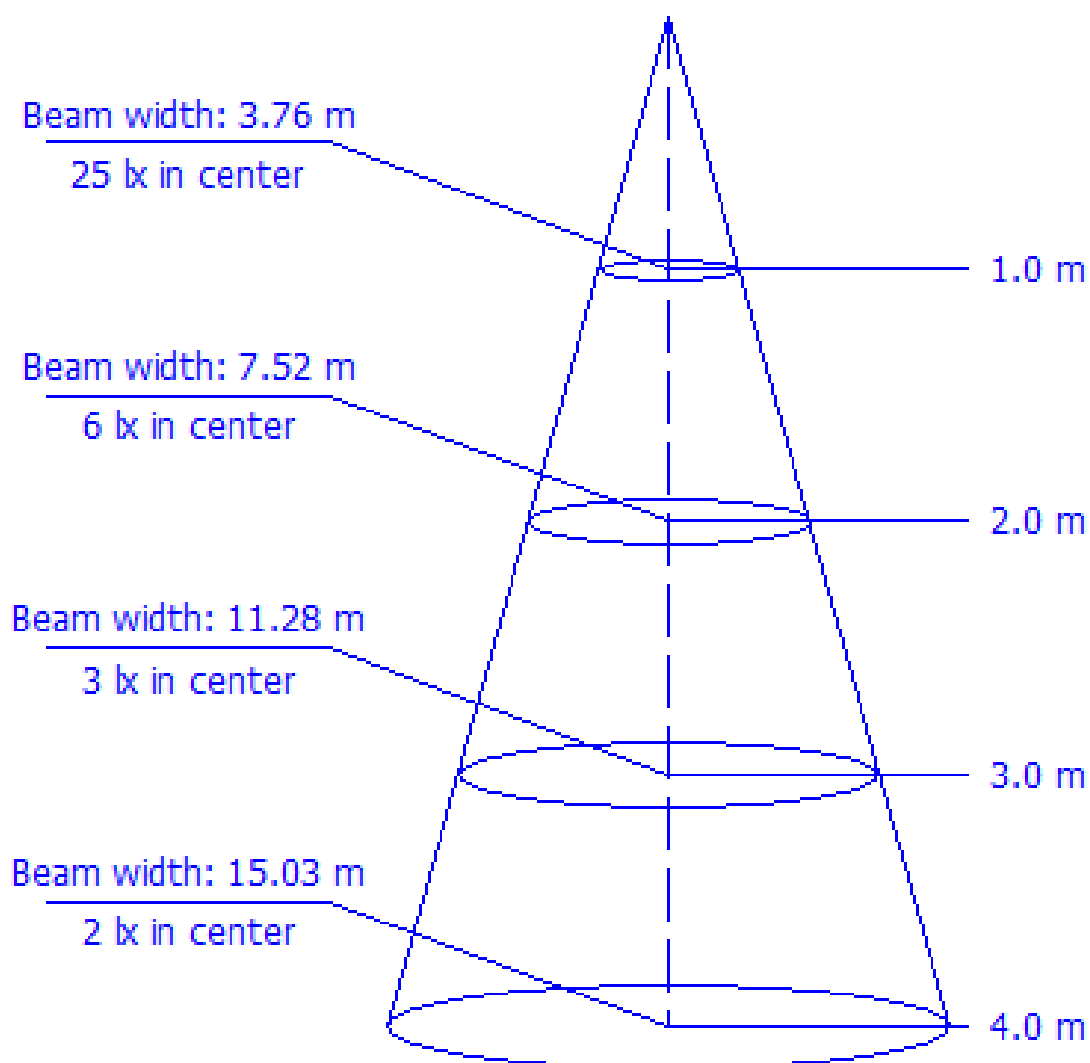
Luminaire

Lamp

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Illuminance Cone Diagram



Beam Angle = 124 deg.

Based on 50% of maximum illuminance.

Luminaire

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Total flux (lm)	86	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