

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 FN1 22K-24V

4. Test Period : 20190129 ~ 20190129

5. Test Environment

Ambient Temp. : (18.8 +- 3) °C
Relative Humidity : (15.67 +- 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		0.5016, 0.4285	
Correlated Color Temperature	K	2352	
Ra	-	81.6	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.472	
Input Watt	W	11.31	
Lamp Flux	lm	322.4	
Efficient	lm/W	28.52	
Illuminance	lx	91	1 m
		23	2 m
		10	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 22K-24V.jdt

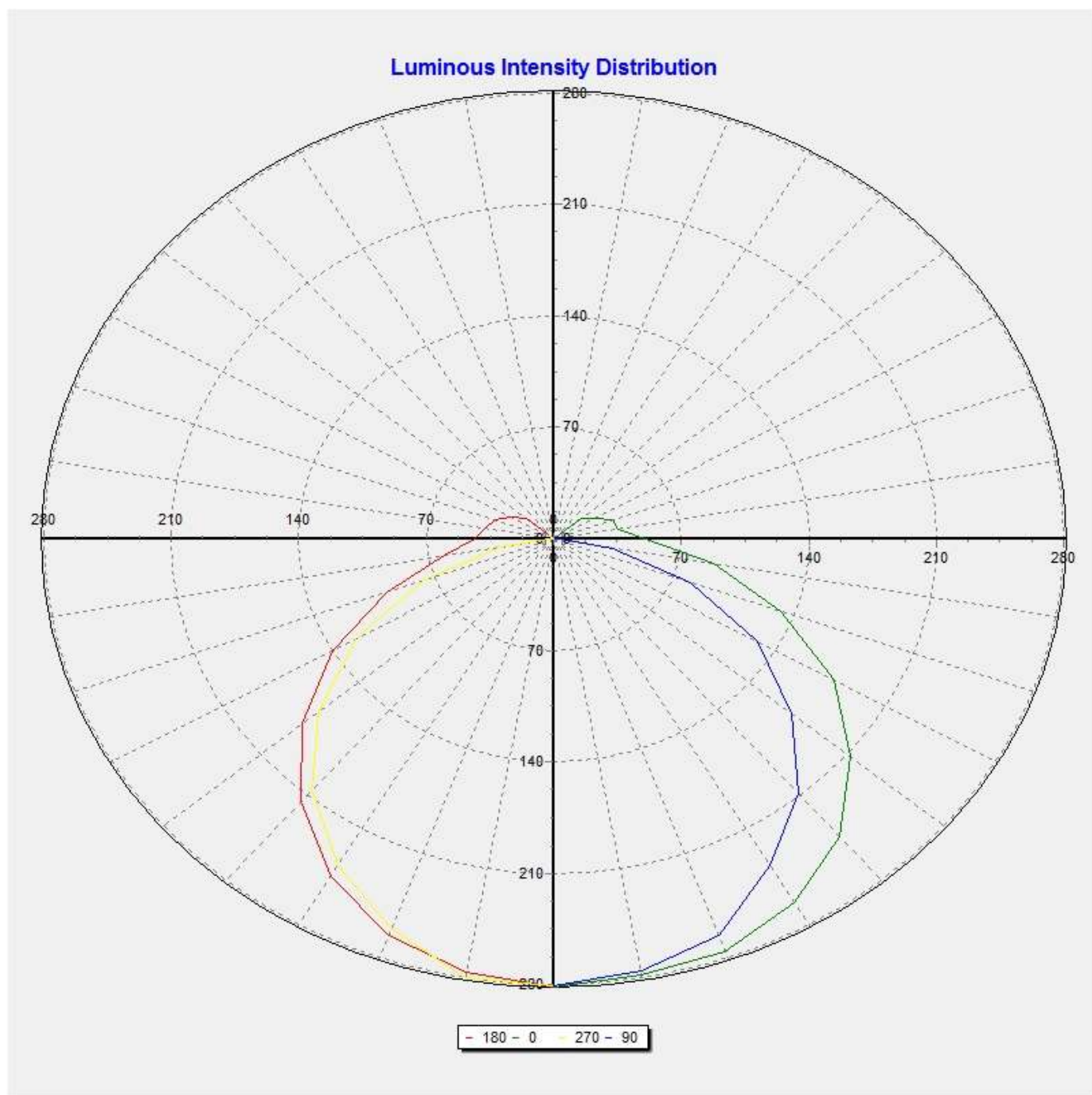
Lamp flux (lm) 322

Operator current (A) 0.472

Total flux (lm) 322

Date Power Factor 1

2019-01-30 오후 1:31:55



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

No. of lamps 1

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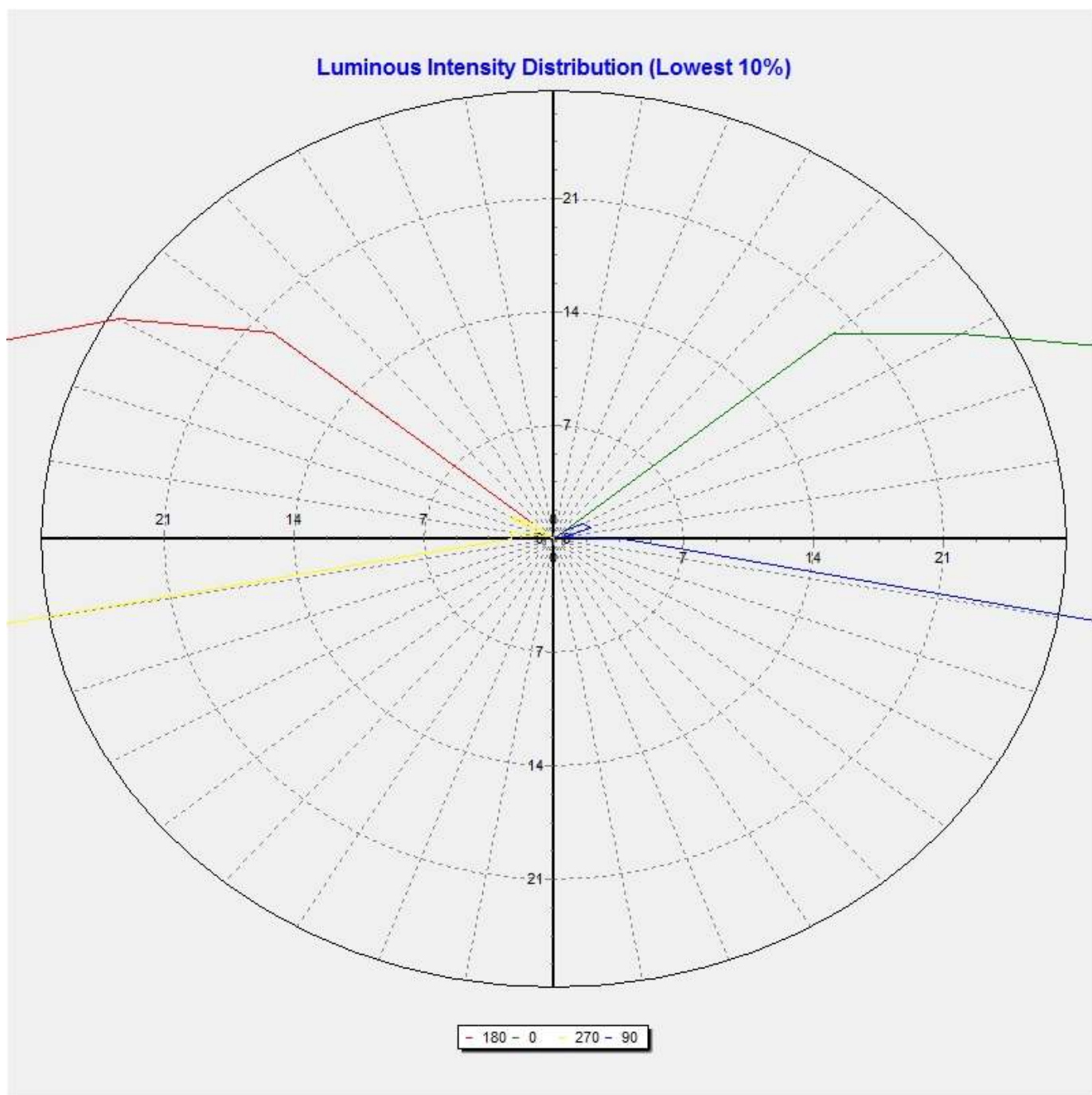
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Luminaire

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Total flux (lm)	322	Date	Power Factor 1

2019-01-30 오후 1:31:55

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	90.63	89.53	90.90	90.30	90.55	91.31	90.63	89.53	90.90	90.30	90.55	91.31	90.63
10	89.59	89.99	88.56	88.77	89.36	89.57	88.97	85.67	88.99	90.00	88.79	90.62	89.59
20	88.66	89.32	84.53	85.18	85.15	86.11	85.42	78.70	84.93	83.87	85.08	88.05	88.66
30	84.95	87.22	79.26	76.32	78.40	79.76	78.88	68.61	77.09	76.39	79.38	83.22	84.95
40	78.48	82.87	71.13	67.26	68.39	70.92	69.43	58.53	67.77	66.49	70.35	76.39	78.48
50	68.47	75.55	59.98	54.99	56.79	59.42	58.05	45.31	56.05	54.26	60.36	64.64	68.47
60	57.10	65.09	47.16	41.58	44.14	45.94	45.35	30.87	42.88	40.05	46.55	53.50	57.10
70	42.75	53.93	33.29	25.64	28.75	32.94	31.48	17.82	27.44	24.52	32.94	38.81	42.75
80	28.70	40.26	18.06	10.66	14.93	19.51	19.72	11.93	13.19	9.65	18.12	24.42	28.70
90	16.26	25.87	7.18	1.21	6.20	11.70	13.98	9.98	6.41	0.74	6.98	12.86	16.26
100	11.53	13.20	4.96	0.17	5.69	11.03	12.29	9.13	5.13	0.76	5.27	9.74	11.53
110	10.96	10.05	4.83	0.67	5.07	9.93	11.01	6.58	3.38	0.14	3.95	8.70	10.96
120	8.16	8.61	0.70	0.58	0.47	7.07	8.71	0.91	0.30	0.89	-0.26	6.41	8.16
130	6.33	6.41	2.41	0.30	1.49	5.14	6.38	1.11	1.72	0.46	1.75	1.61	6.33

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 22K-24V.jdt		
Lamp flux (lm)	322	Operator	current (A)	0.472
Total flux (lm)	322	Date	Power Factor	1

2019-01-30 오후 1:31:55

Luminous Flux Table

Total Lamp Lumens: 322

Luminaire Efficiency (lm/W):322.42

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.16	2.16	0.67	0.67
10	16.94	19.10	5.93	5.93
20	32.00	51.10	15.85	15.85
30	43.33	94.43	29.29	29.29
40	49.75	144.18	44.72	44.72
50	49.91	194.09	60.20	60.20
60	44.28	238.37	73.94	73.93
70	33.47	271.84	84.32	84.31
80	20.60	292.44	90.71	90.70
90	10.90	303.33	94.09	94.08
100	7.99	311.32	96.56	96.56
110	6.46	317.78	98.57	98.56
120	3.36	321.14	99.61	99.61
130	1.27	322.42	100.01	100.00

Luminaire

Lamp

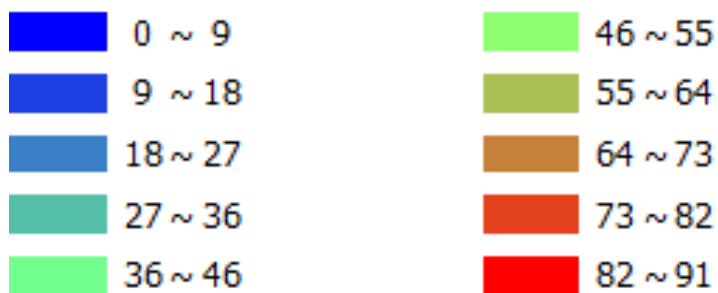
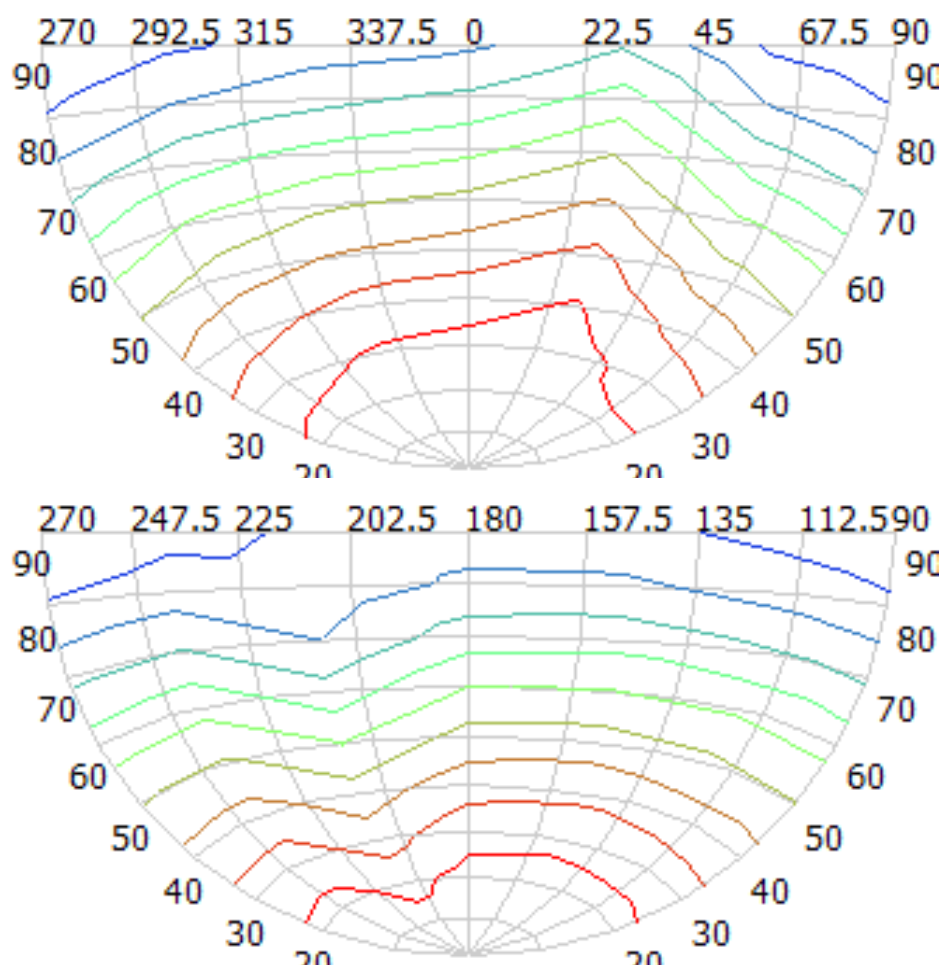
Report

No. of lamps 1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 22K-24V.jdt

Lamp flux (lm) 322 Operator current (A) 0.472

Total flux (lm) 322 Date Power Factor 1 2019-01-30 오후 1:31:55

IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 322

Total flux (lm) 322

Report

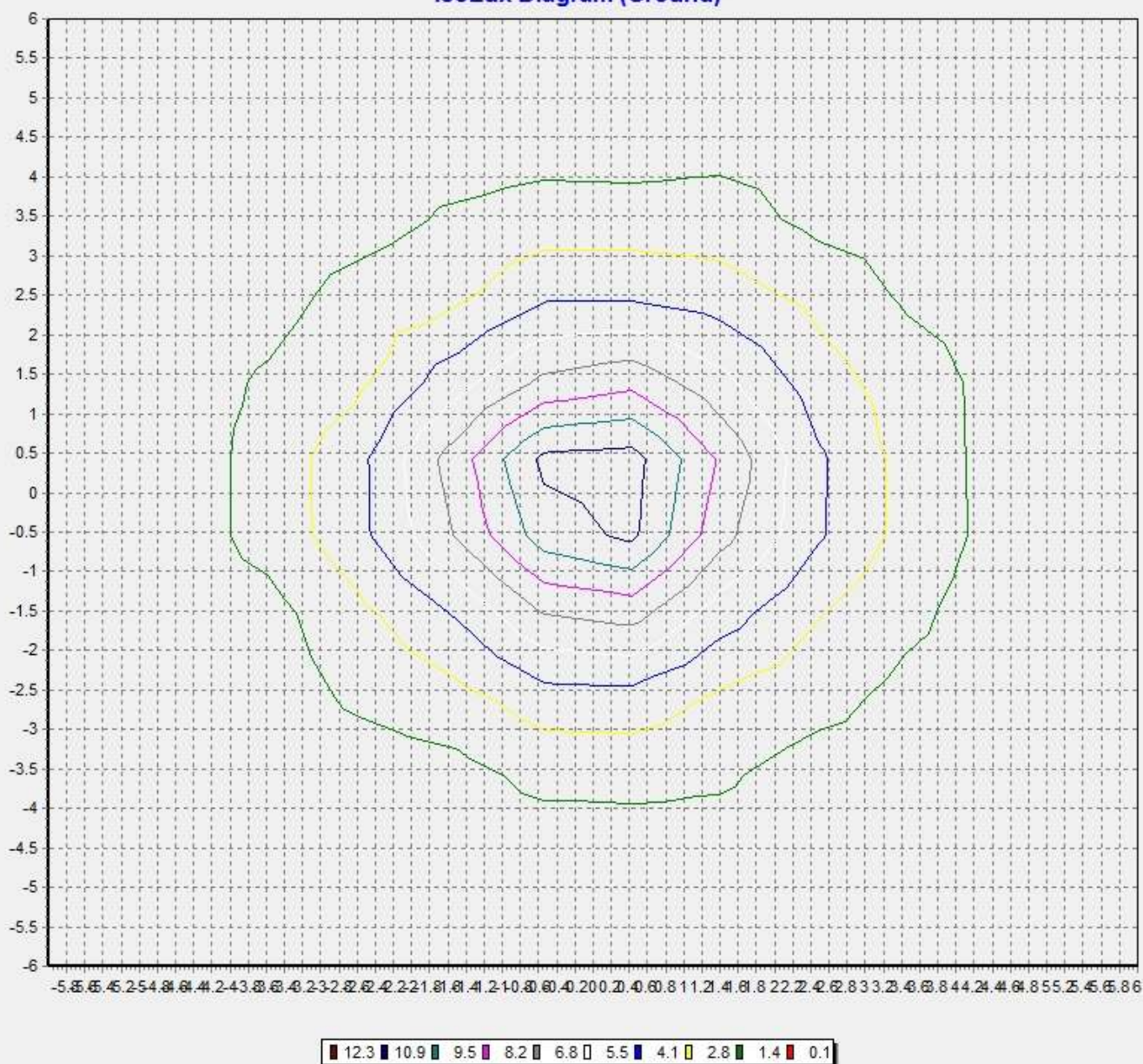
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Operatorcurrent (A) 0.472

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IsoLux Diagram (Ground)



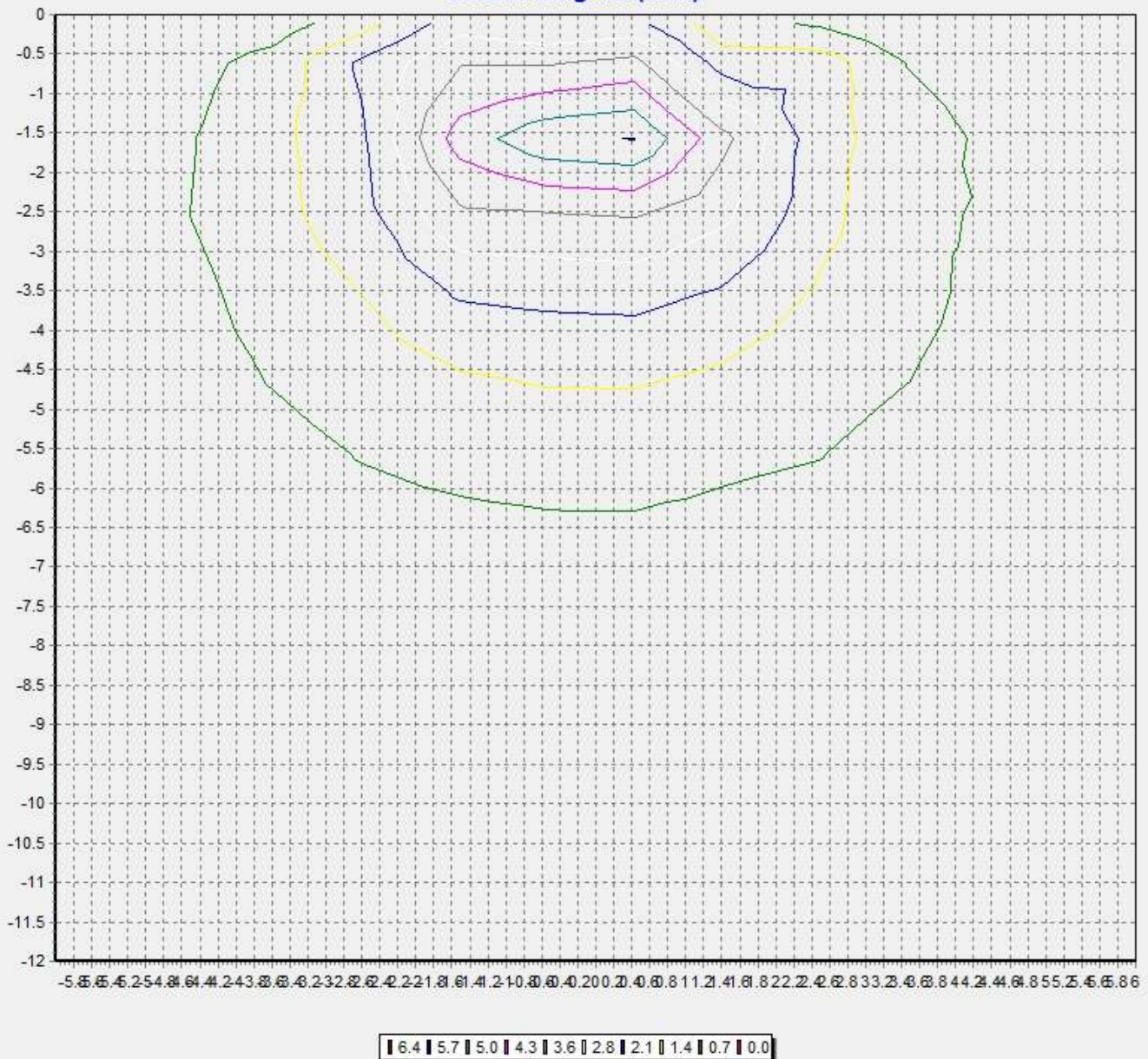
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 22K-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)	23.95
Lamp flux (lm)	322	Current (A)	0.472
Total flux (lm)	322	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN1 22K-24V.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.15	0.20	0.16	0.22	0.27	0.34	0.31	0.31	0.41	0.38	0.22	0.25	0.22
5.00	0.21	0.18	0.25	0.34	0.64	0.78	0.78	0.76	0.83	0.41	0.35	0.31	0.28
4.00	0.20	0.29	0.55	0.78	0.86	1.10	1.13	1.09	1.22	0.91	0.74	0.40	0.27
3.00	0.23	0.40	0.83	0.98	1.88	2.13	2.36	2.63	2.04	1.35	1.00	0.51	0.39
2.00	0.29	0.66	0.87	1.98	2.72	4.30	5.01	5.12	3.40	2.24	1.24	0.86	0.44
1.00	0.34	0.78	1.12	2.19	4.33	7.55	10.03	8.27	5.17	2.75	1.33	0.90	0.42
0.00	0.35	0.82	1.21	2.48	5.18	10.05	12.43	10.13	5.75	2.89	1.48	0.98	0.46
-1.00	0.35	0.79	1.13	1.91	3.77	7.22	10.16	7.57	4.47	2.35	1.33	0.91	0.43
-2.00	0.23	0.54	0.65	1.90	2.54	3.76	4.98	4.40	2.77	2.13	0.93	0.71	0.33
-3.00	0.16	0.38	0.78	0.88	1.86	1.88	2.33	2.20	1.87	0.99	0.91	0.47	0.26
-4.00	0.18	0.25	0.50	0.76	0.64	1.03	1.10	1.04	0.90	0.79	0.56	0.33	0.23
-5.00	0.19	0.16	0.23	0.35	0.54	0.73	0.76	0.74	0.67	0.33	0.25	0.19	0.24
-6.00	0.13	0.18	0.16	0.15	0.21	0.29	0.29	0.30	0.28	0.25	0.16	0.20	0.15
-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.): 12.4

All illuminance level values are in lux.

Illum. (Min.): 0.13

Illum. Avg.: 1.56

Total Optical Solution Provider


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

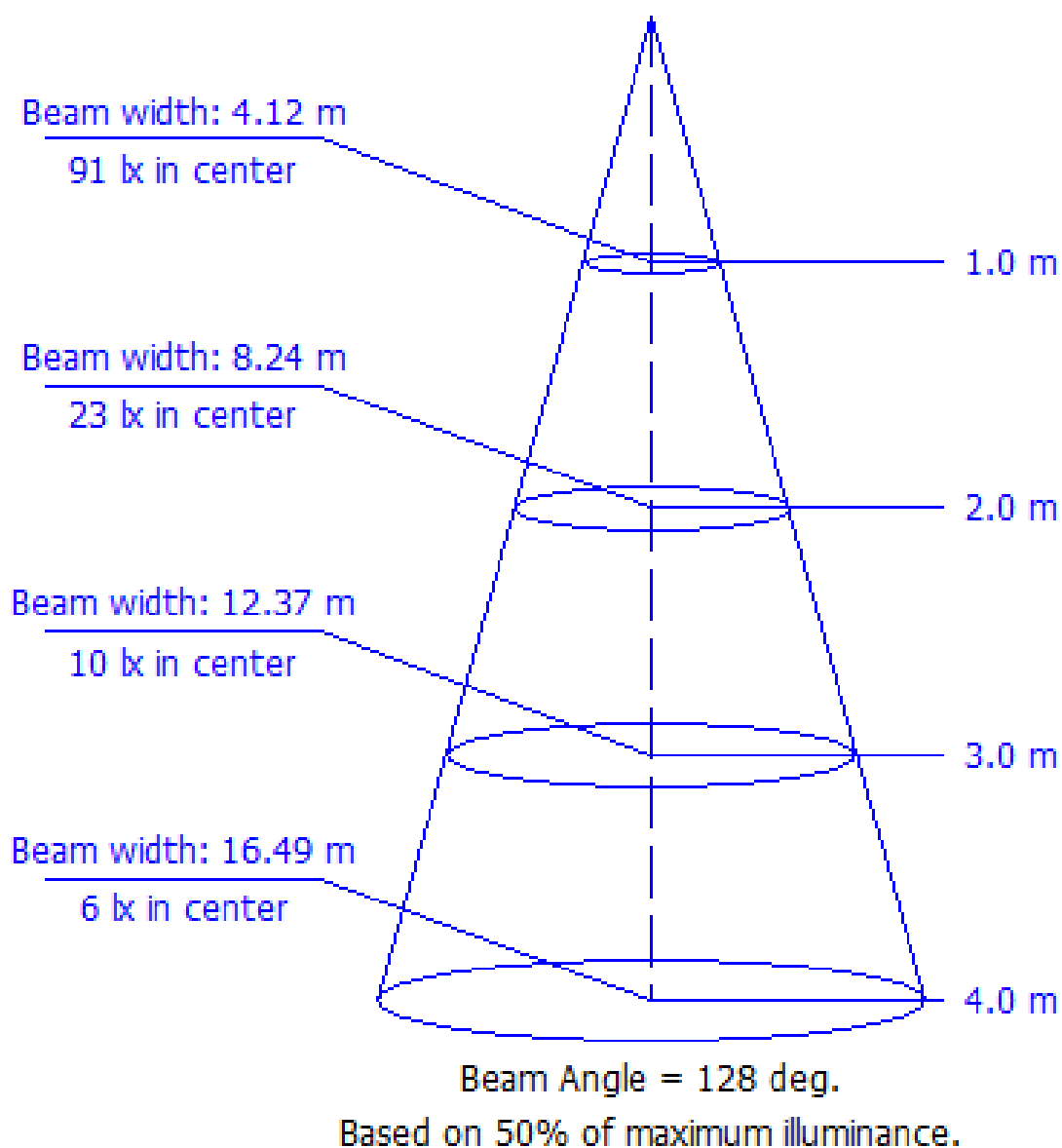
Luminaire

Lamp

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Illuminance Cone Diagram



Luminaire

Lamp

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Total flux (lm)	322	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