

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 / 190212 FN2 40K-24V

4. Test Period : 20190212 ~ 20190212

5. Test Environment

Ambient Temp. : (18.8 +- 3) °C

Relative Humidity : (10.39 +- 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		0.3945, 0.3984	
Correlated Color Temperature	K	4208	
Ra	-	80.38	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.456	
Input Watt	W	10.91	
Lamp Flux	lm	740	
Efficient	lm/W	66.84	
Illuminance	lx	211	1 m
		53	2 m
		23	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) 730

Total flux (lm) 730

Report

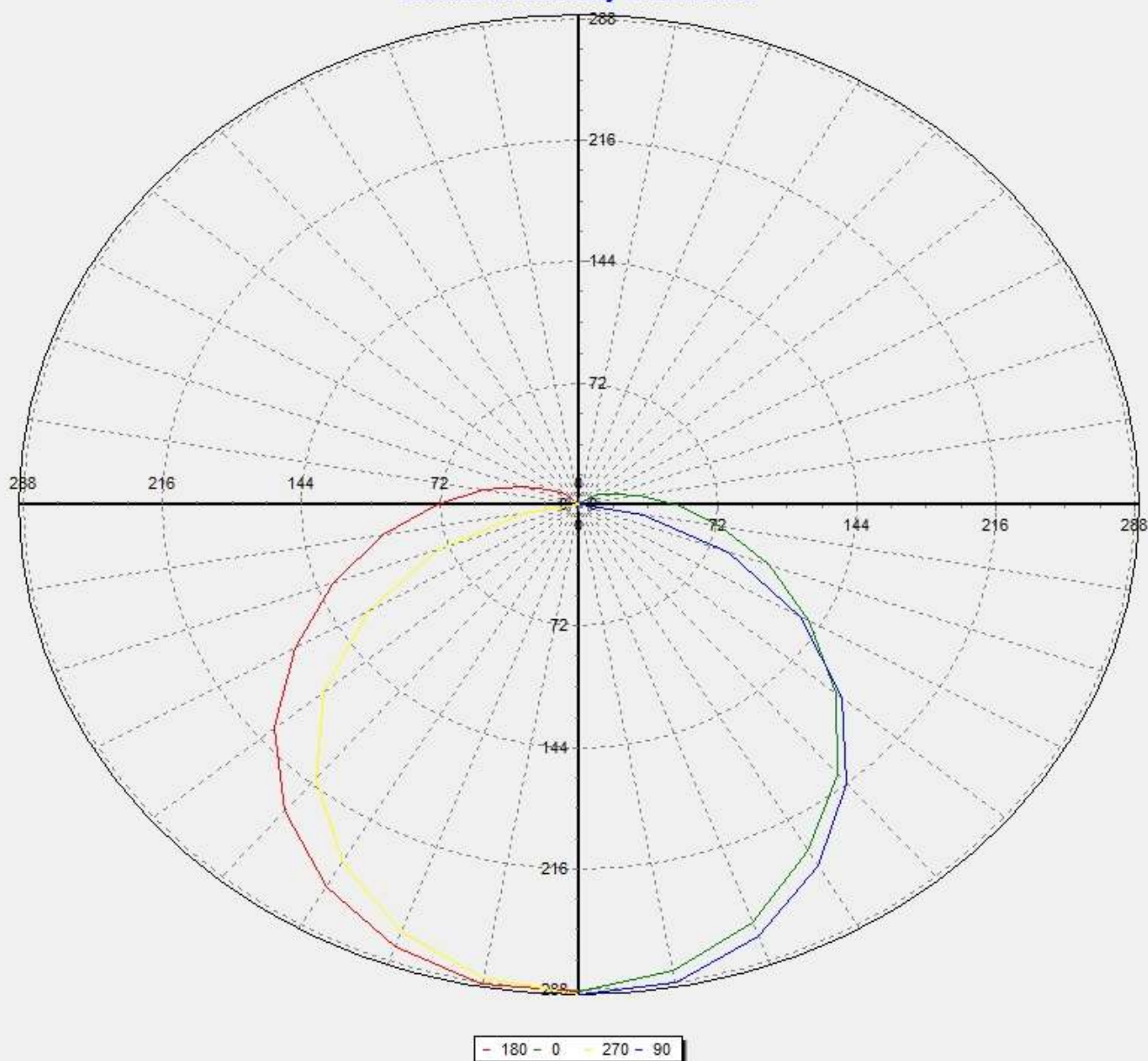
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt

Operatorcurrent (A) 0.456

Date Power Factor 1

2019-01-31 오후 5:11:35

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\180129 FN2 35K-24V.jdt

Lamp flux (lm) 730

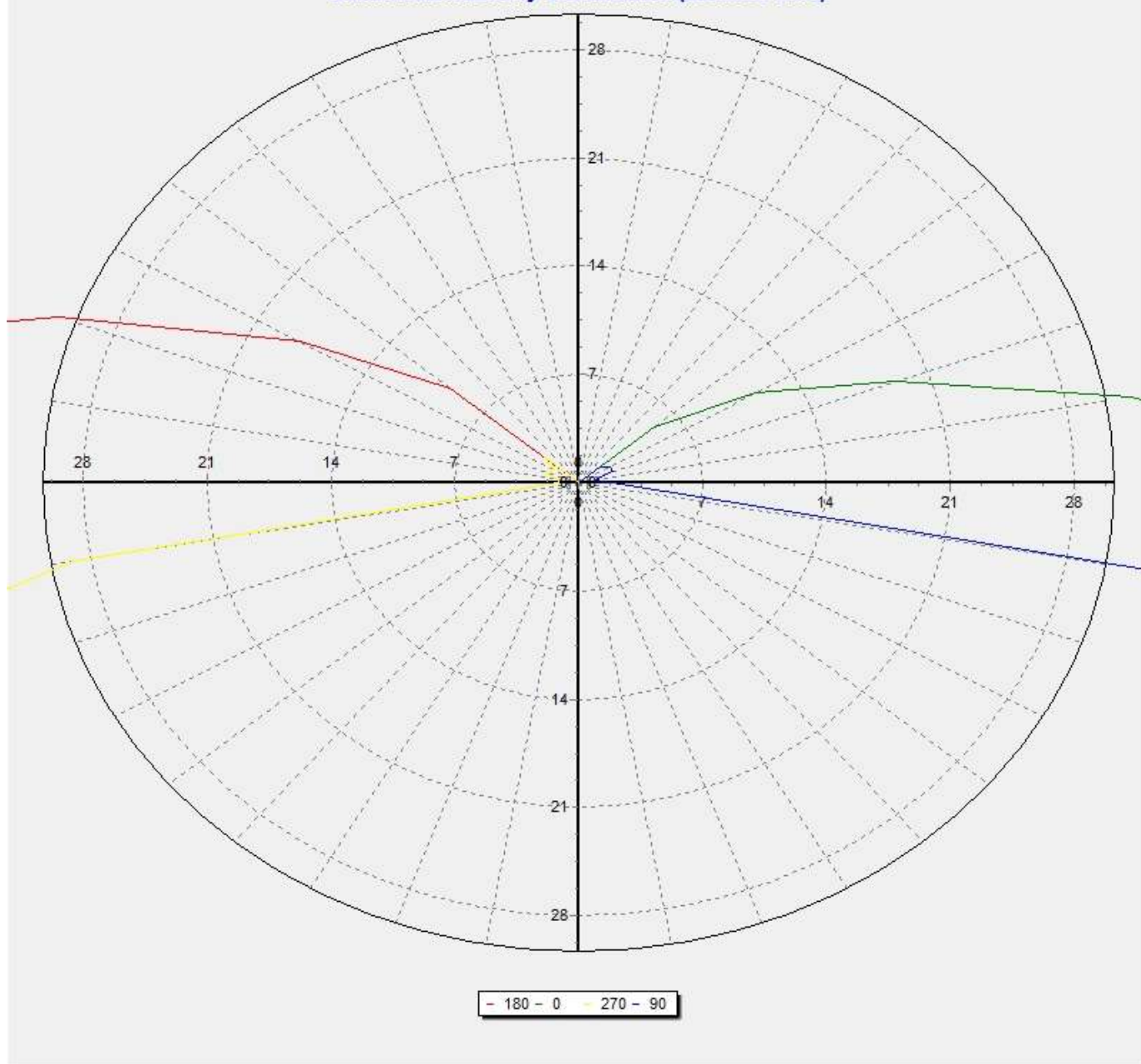
Operator current (A) 0.456

Total flux (lm) 730

Date Power Factor 1

2019-01-31 오후 5:11:35

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\180129 FN2 35K-24V.jdt	
Lamp flux (lm)	730	Operator	current (A) 0.456
Total flux (lm)	730	Date	Power Factor 1
		2019-01-31 오후 5:11:35	

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	210.85	210.27	210.83	212.05	214.52	213.26	210.85	210.27	210.83	212.05	214.52	213.26	210.85
10	204.86	204.69	206.02	210.09	211.69	213.68	210.84	210.52	210.00	208.34	207.61	205.48	204.86
20	192.38	190.35	194.01	198.58	202.99	206.36	203.60	202.58	199.42	196.97	194.22	190.74	192.38
30	173.04	173.58	175.87	180.99	188.34	193.26	190.83	189.76	183.70	179.09	173.16	172.21	173.04
40	152.54	150.83	151.09	157.56	167.96	175.15	173.28	170.33	162.55	155.12	148.38	148.70	152.54
50	126.77	124.54	123.86	129.80	141.04	150.65	150.35	146.38	135.45	126.13	119.69	121.59	126.77
60	100.80	97.48	92.69	96.62	110.96	124.56	124.18	119.95	105.03	92.21	88.95	95.37	100.80
70	76.35	70.30	61.00	60.28	78.91	97.03	99.49	92.44	72.64	56.40	56.70	68.29	76.35
80	54.42	47.85	34.38	24.95	48.44	70.74	75.07	66.86	43.78	21.22	31.65	45.68	54.42
90	36.69	30.25	15.63	1.33	25.17	49.09	53.73	45.83	21.95	0.83	14.22	28.33	36.69
100	23.19	17.30	6.80	0.73	12.69	31.67	36.50	29.73	10.54	0.81	6.15	17.96	23.19
110	13.95	10.78	2.98	1.52	5.78	19.72	22.84	17.55	4.93	1.47	2.32	9.46	13.95
120	8.47	4.57	1.52	1.48	1.35	9.21	13.31	8.92	1.21	1.15	1.53	4.06	8.47
130	4.10	2.31	1.14	1.16	1.90	5.03	6.93	3.17	1.82	1.88	1.40	1.79	4.10

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt		
Lamp flux (lm)	730	Operator	current (A)	0.456
Total flux (lm)	730	Date	Power Factor	1

2019-01-31 오후 5:11:35

Luminous Flux Table

Total Lamp Lumens: 730

Luminaire Efficiency (lm/W):729.99

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.07	5.07	0.69	0.69
10	39.68	44.75	6.13	6.13
20	74.05	118.80	16.27	16.27
30	99.20	218.00	29.86	29.86
40	112.26	330.26	45.24	45.24
50	111.60	441.86	60.53	60.53
60	98.71	540.57	74.05	74.05
70	76.32	616.89	84.51	84.51
80	50.79	667.67	91.46	91.46
90	29.48	697.16	95.50	95.50
100	17.44	714.60	97.89	97.89
110	9.72	724.32	99.22	99.22
120	4.49	728.81	99.84	99.84
130	1.18	729.99	100.00	100.00

Luminaire

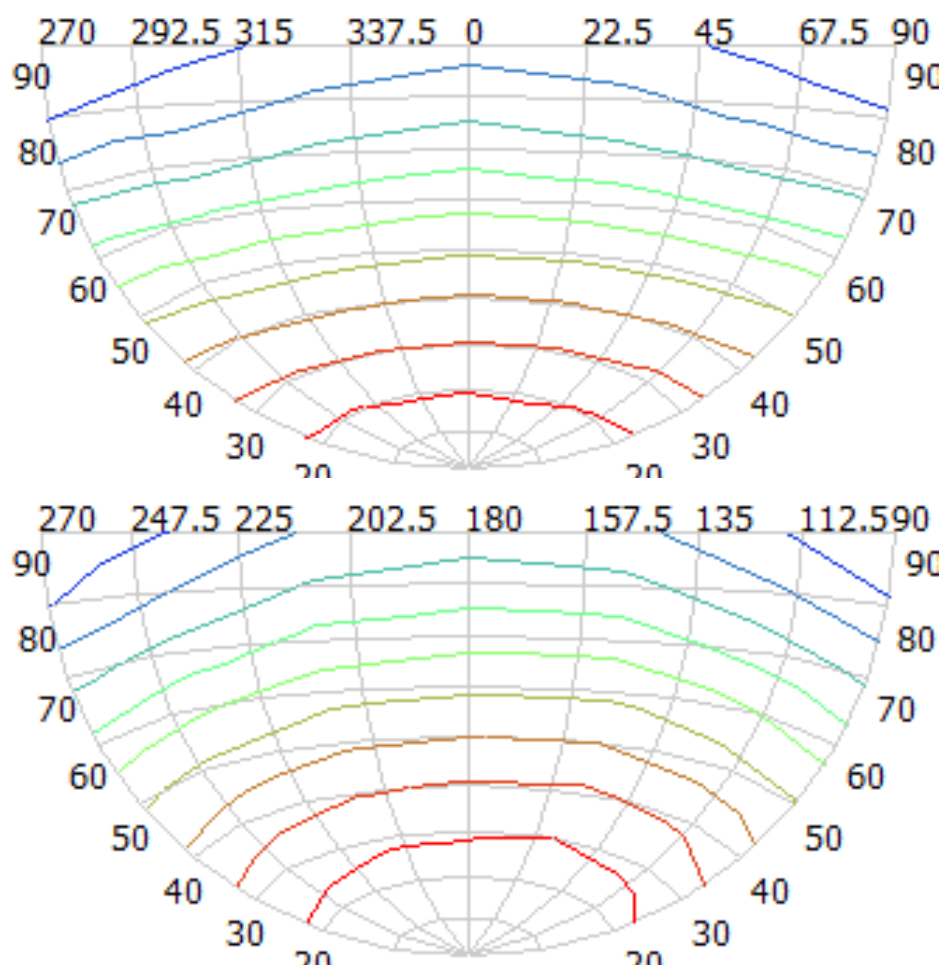
Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt
Lamp flux (lm)	730	Operator	current (A) 0.456
Total flux (lm)	730	Date	Power Factor 1

2019-01-31 오후 5:11:35

IsoCandela (Type C)

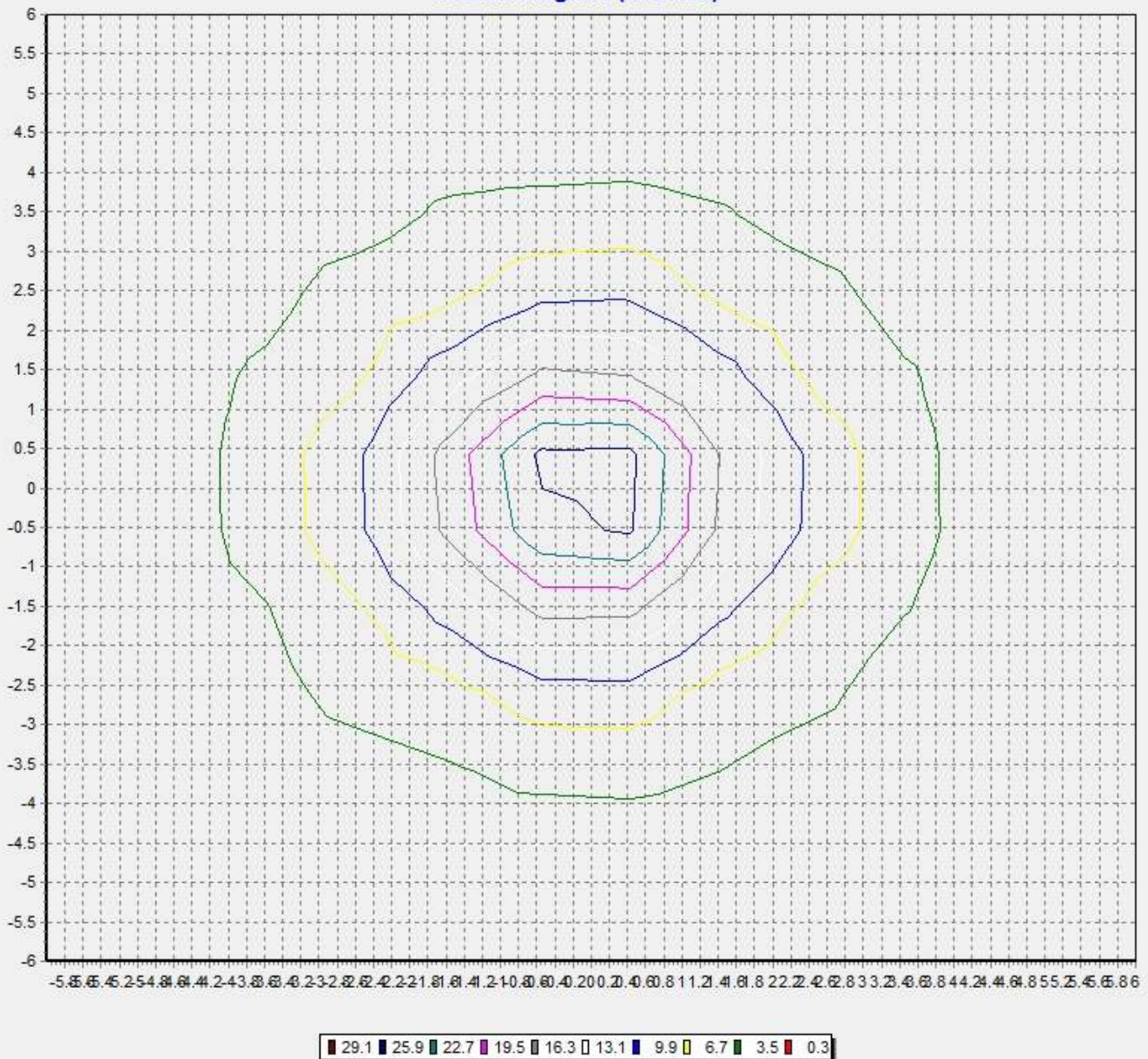


	1 ~ 22		108 ~ 129
	22 ~ 43		129 ~ 150
	43 ~ 65		150 ~ 172
	65 ~ 86		172 ~ 193
	86 ~ 108		193 ~ 215

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt
Lamp flux (lm)	730	Operator	current (A) 0.456
Total flux (lm)	730	Date	Power Factor 1
			2019-01-31 오후 5:11:35

IsoLux Diagram (Ground)



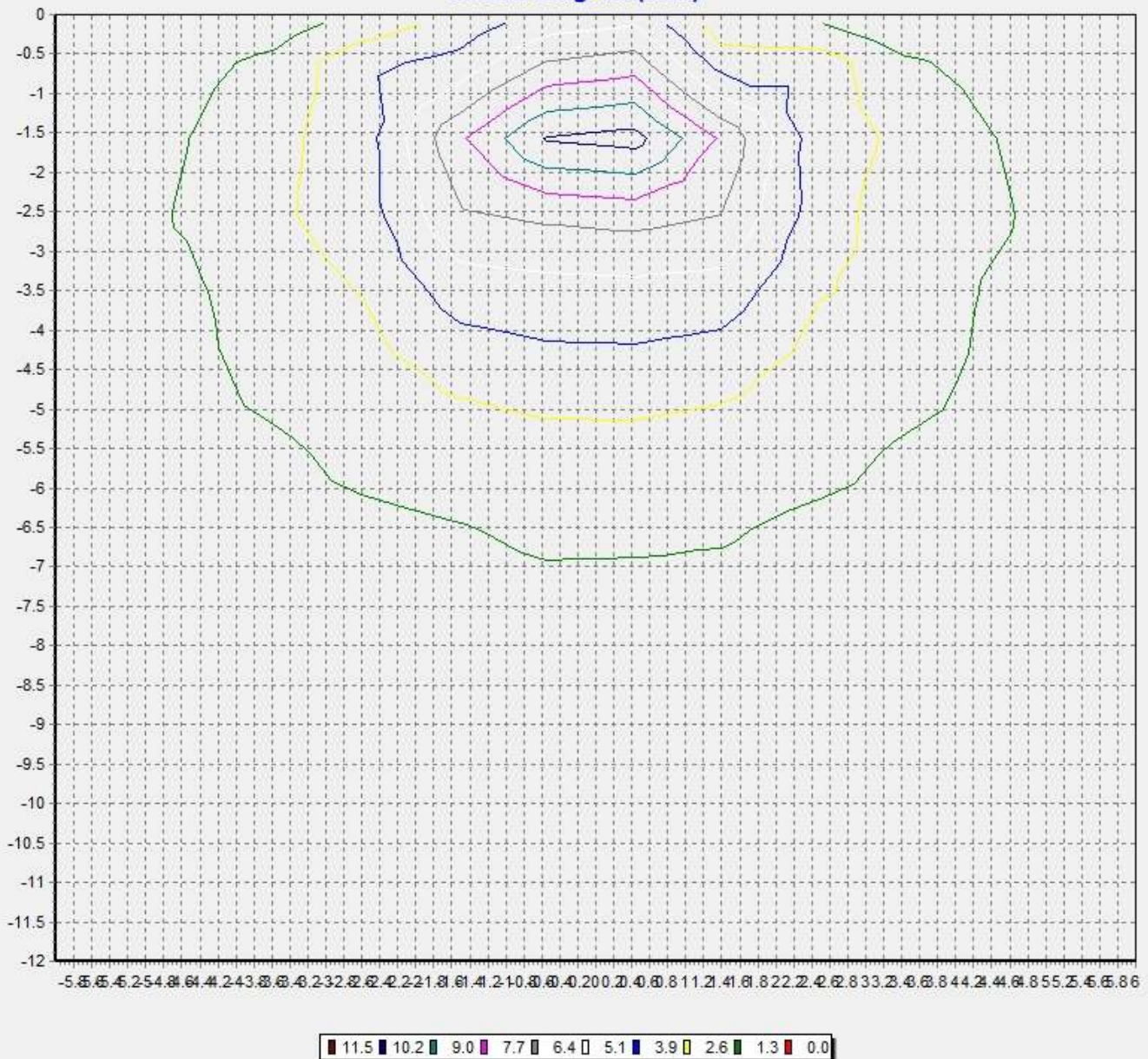
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt
Lamp flux (lm)	730	Operator	current (A) 0.456
Total flux (lm)	730	Date	Power Factor 1
			2019-01-31 오후 5:11:35

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)	730	Current (A)	0.456
Total flux (lm)	730	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt

Operator

Date

2019-01-31 오후 5:11:35

Illuminance Levels (Ground)

6.00	0.37	0.47	0.38	0.59	0.68	0.68	0.72	0.68	0.63	0.53	0.38	0.44	0.36
5.00	0.56	0.45	0.61	0.80	1.58	1.68	1.83	1.70	1.42	0.78	0.58	0.47	0.47
4.00	0.57	0.81	1.33	1.87	2.13	2.37	2.64	2.37	1.89	1.75	1.25	0.66	0.45
3.00	0.62	1.12	2.12	2.37	4.43	5.18	5.56	4.72	4.21	2.24	1.80	0.90	0.54
2.00	0.79	1.65	2.19	4.92	6.57	10.50	11.79	9.51	6.11	4.26	1.91	1.43	0.67
1.00	1.00	2.04	2.99	5.48	10.62	17.97	23.72	16.93	9.52	4.76	2.40	1.66	0.74
0.00	1.04	2.15	3.24	6.36	12.77	23.82	28.92	23.13	11.36	5.42	2.67	1.80	0.82
-1.00	0.99	2.04	2.99	5.60	10.74	18.43	23.53	17.23	9.36	4.57	2.41	1.68	0.77
-2.00	0.86	1.71	2.34	4.89	7.09	10.66	11.63	9.40	6.03	4.14	1.76	1.36	0.59
-3.00	0.70	1.13	2.14	2.73	4.58	5.39	5.42	4.64	4.29	2.09	1.72	0.83	0.46
-4.00	0.59	0.84	1.50	1.96	2.30	2.45	2.54	2.47	1.76	1.75	1.19	0.59	0.40
-5.00	0.58	0.61	0.70	0.90	1.66	1.73	1.77	1.76	1.37	0.75	0.53	0.37	0.43
-6.00	0.44	0.51	0.45	0.68	0.78	0.69	0.68	0.74	0.56	0.45	0.34	0.42	0.32
-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.): 28.9

All illuminance level values are in lux.

Illum. (Min.): 0.32

Illum. Avg.: 3.56

Total Optical Solution Provider


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

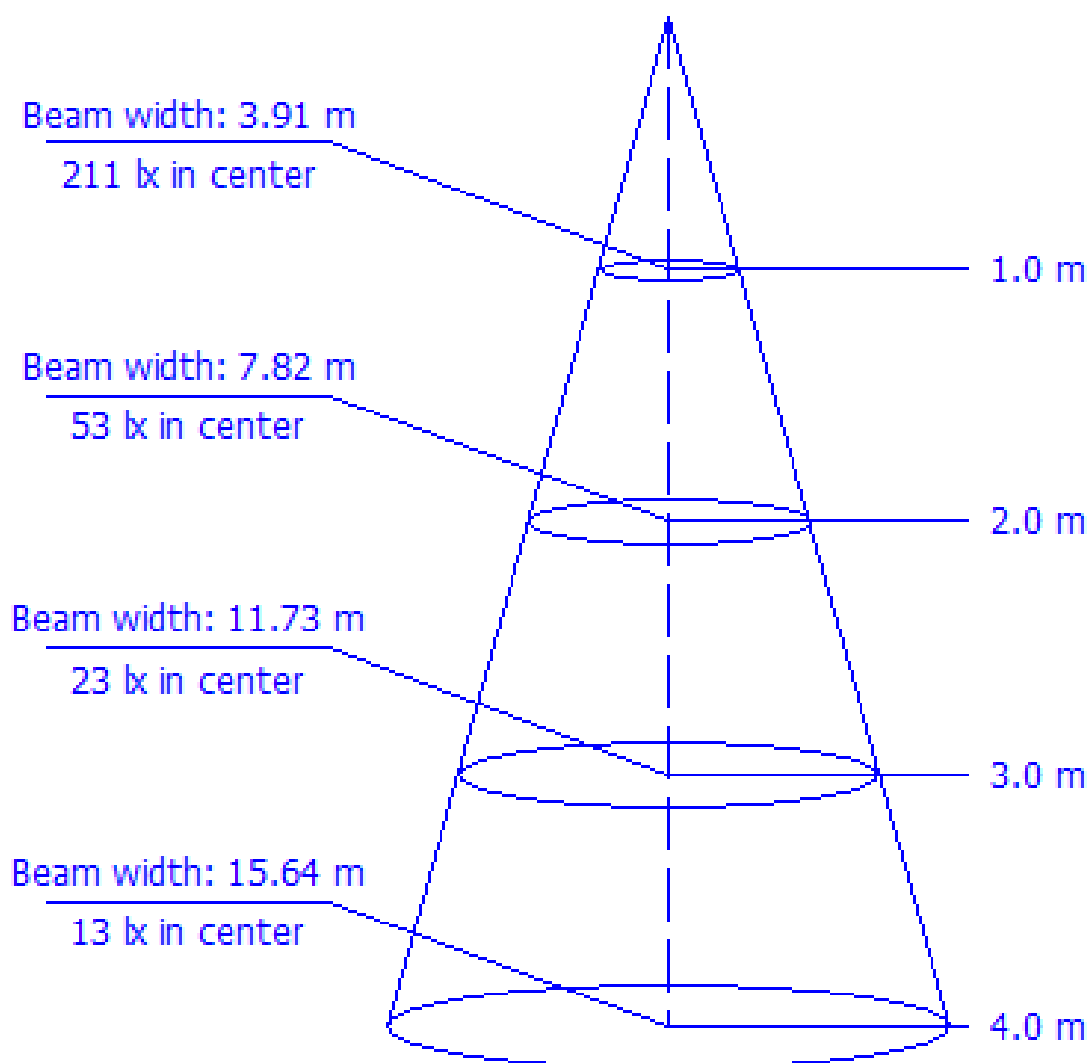
Luminaire

Lamp

No. of lamps	1	Report	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt
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Total flux (lm)	730	Date	Power Factor	1

2019-01-31 오후 5:11:35

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)	730	Current (A)	0.456
Total flux (lm)	730	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\180129 FN2 35K-24V.jdt

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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