

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 : 190319

2. Purpose of Report :

3. Test Standard / Item : LED / 190319 FN1 30K-24V 신형

4. Test Period : 190319 ~ 190319

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 CGR	Technical manager CGR
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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		0.4344, 0.4185	
Correlated Color Temperature	K	3171	
Ra	-	80.83	
Power Factor	%	1.000	
Input Voltage	V	23.940	
Input Current	A	0.496	
Input Watt	W	11.87	
Lamp Flux	lm	380.2	
Efficient	lm/W	32.02	
Illuminance	lx	107	1 m
		27	2 m
		12	3 m

* This test result is for the sample provided by the client.

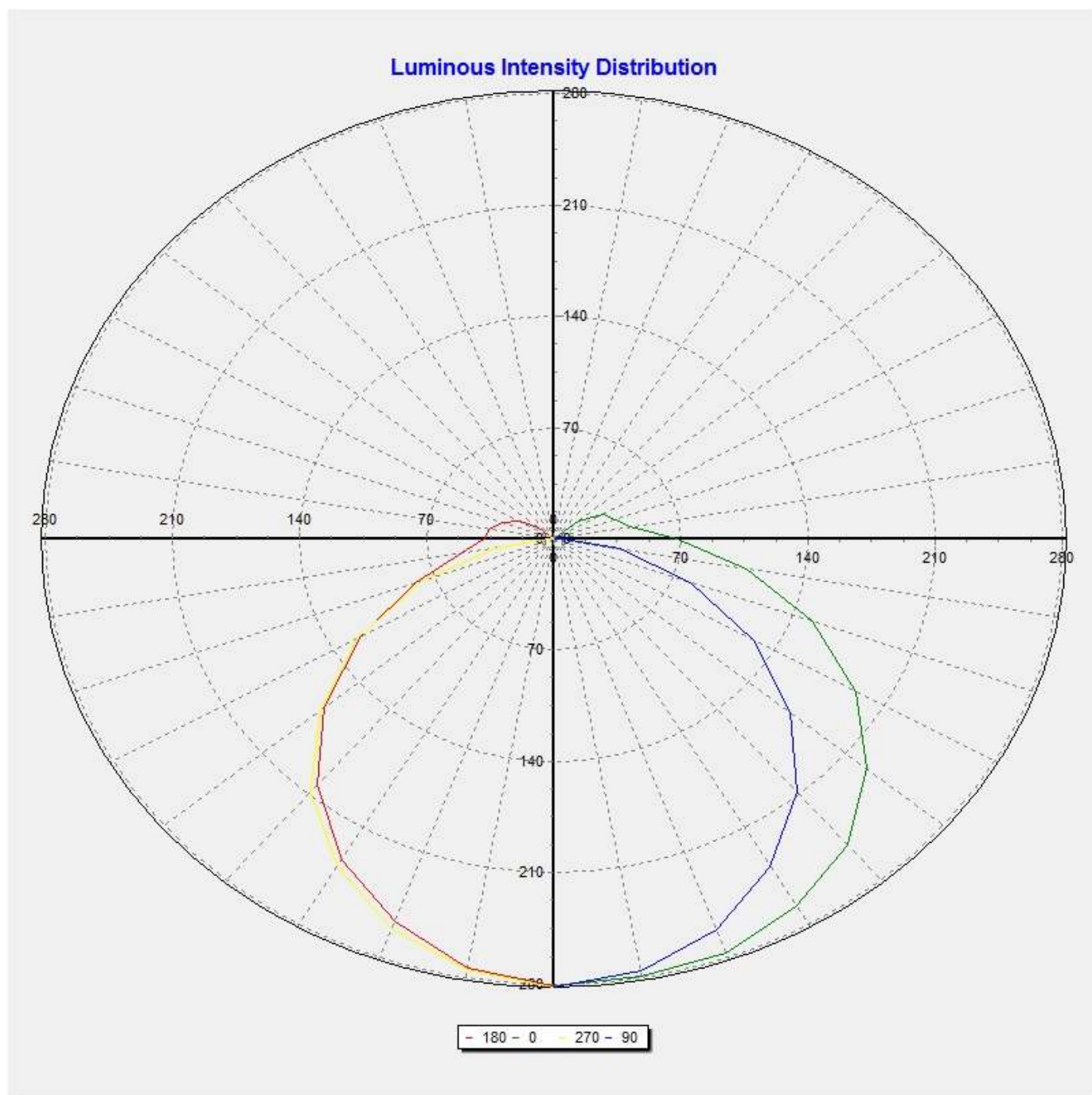
Sample photo

Click to load image

Luminaire

Lamp	Report			
No. of lamps	1	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190319 FN1 30K-24V 신형.jdt		
Lamp flux (lm)	380	Operator	Current (A)	0.496
Total flux (lm)	380	Date	Power Factor	1

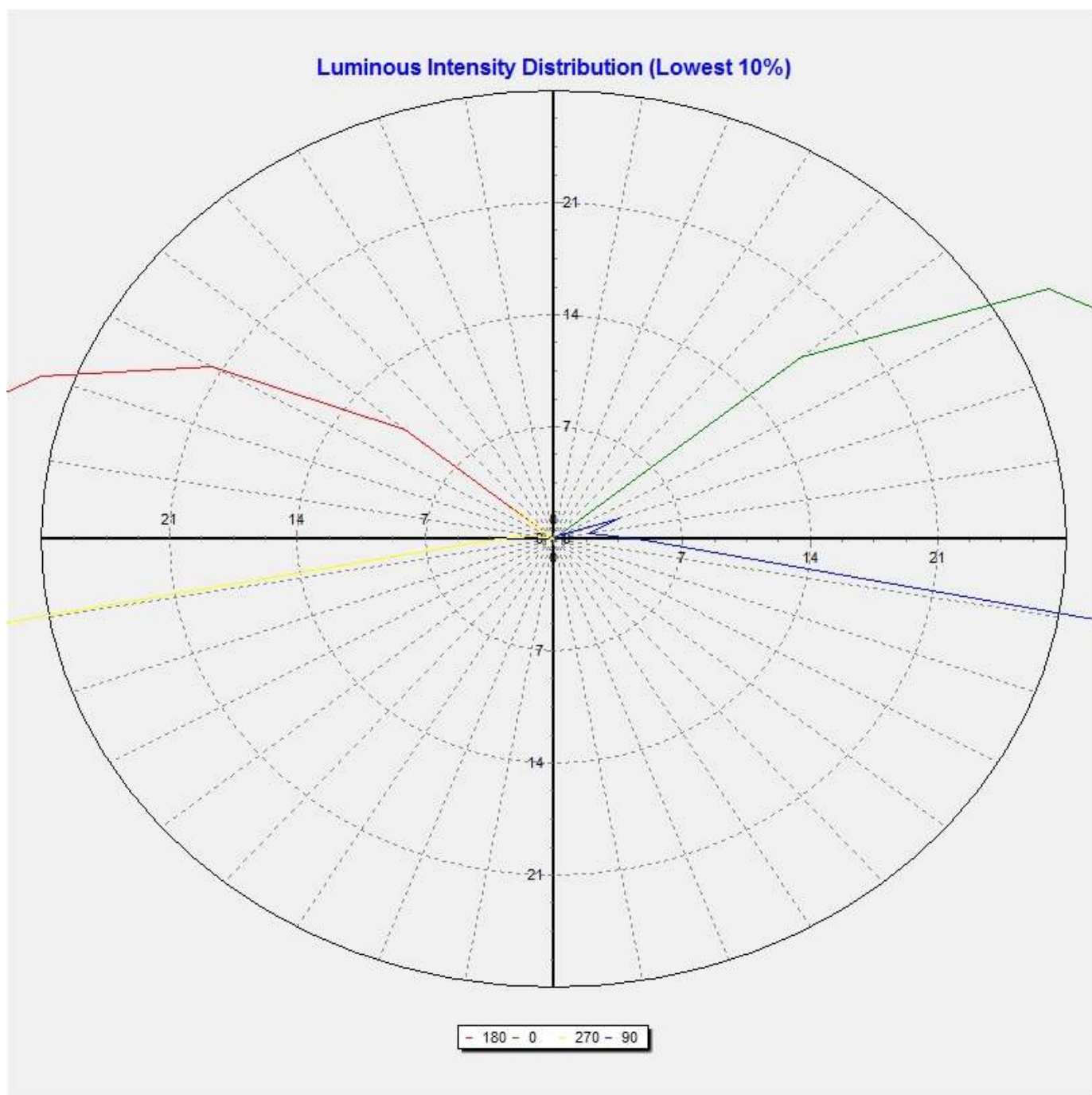
2019-03-19 오후 6:35:41



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp		Report			
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190319 FN1 30K-24V 신형.jdt		
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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	106.95	107.45	106.13	107.18	106.95	107.22	106.95	107.45	106.13	107.18	106.95	107.22	106.95
10	106.16	105.94	104.75	104.70	105.34	105.02	104.21	105.03	103.48	104.55	106.88	106.54	106.16
20	105.40	104.90	101.33	99.35	99.50	98.48	97.35	98.40	98.08	99.05	101.86	104.80	105.40
30	101.35	100.09	94.39	90.60	90.37	90.54	88.81	89.17	88.38	90.59	95.22	100.85	101.35
40	95.46	93.60	84.78	78.98	78.46	78.42	76.72	77.06	77.08	78.94	85.20	92.39	95.46
50	85.38	82.39	73.21	64.51	64.04	64.21	62.59	63.38	62.61	63.94	72.75	81.95	85.38
60	73.06	69.16	58.91	48.33	47.90	47.65	46.47	46.51	46.03	47.56	58.35	68.70	73.06
70	57.47	53.75	42.58	30.52	30.33	31.28	30.69	31.20	28.41	29.39	41.26	52.01	57.47
80	40.94	37.32	25.48	14.04	14.78	18.51	19.48	17.60	13.45	12.35	24.51	35.87	40.94
90	25.76	22.29	11.64	1.72	7.52	12.52	14.67	13.00	7.82	1.16	10.41	20.86	25.76
100	16.15	13.25	6.94	0.74	5.39	11.86	13.67	12.09	5.98	0.44	6.67	12.90	16.15
110	13.66	11.47	4.91	1.44	3.54	10.18	11.32	9.25	1.92	-0.04	3.50	11.41	13.66
120	11.84	8.58	0.64	0.28	0.60	6.15	8.18	5.31	1.05	-0.12	0.85	8.56	11.84
130	6.69	1.01	3.84	0.08	1.93	2.02	4.05	1.57	1.56	1.13	3.30	1.22	6.69

Luminaire

Lamp	Report			
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Luminous Flux Table

Total Lamp Lumens: 380

Luminaire Efficiency (lm/W):380.17

CIE Classification: Direct

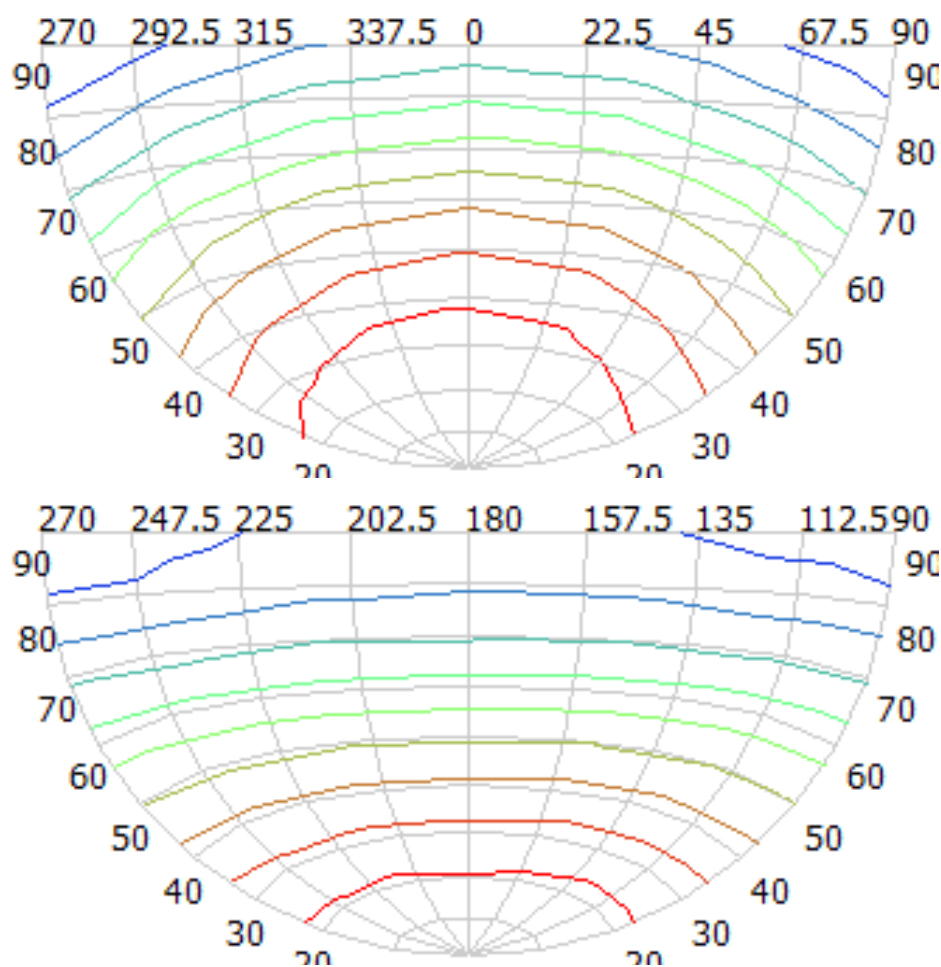
Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.56	2.56	0.67	0.67
10	20.01	22.57	5.94	5.94
20	37.72	60.29	15.86	15.86
30	51.13	111.42	29.31	29.31
40	58.50	169.92	44.69	44.69
50	58.80	228.71	60.16	60.16
60	52.06	280.77	73.85	73.85
70	39.36	320.13	84.20	84.21
80	24.66	344.79	90.69	90.69
90	13.63	358.42	94.27	94.28
100	9.54	367.96	96.78	96.79
110	7.08	375.04	98.64	98.65
120	4.10	379.14	99.72	99.73
130	1.03	380.17	99.99	100.00

Luminaire

Lamp	Report			
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IsoCandela (Type C)



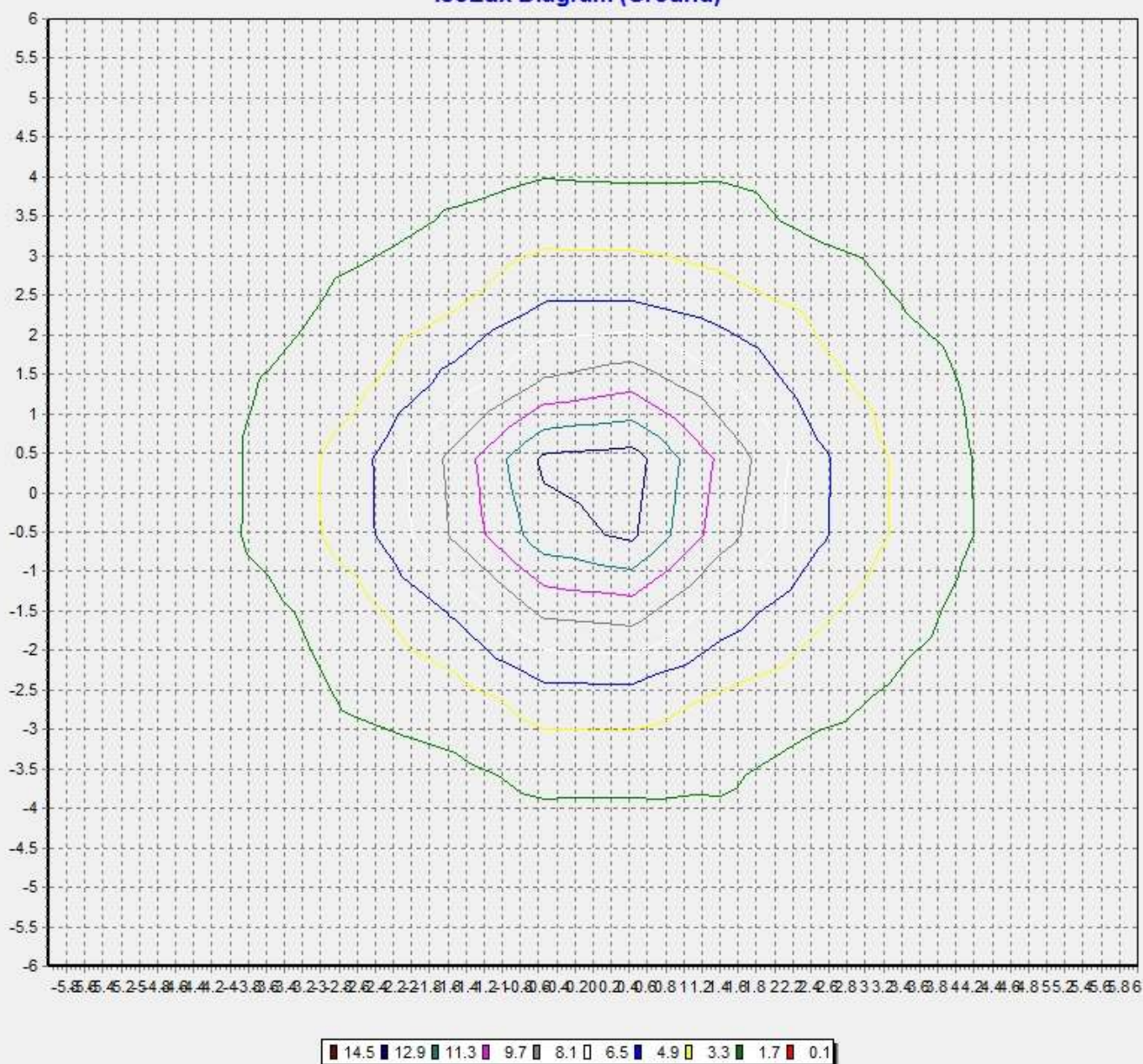
0 ~ 11	54 ~ 64
11 ~ 21	64 ~ 75
21 ~ 32	75 ~ 86
32 ~ 43	86 ~ 97
43 ~ 54	97 ~ 107

Luminaire

Lamp	Report			
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Lamp flux (lm)	380	Operator	Current (A)	0.496
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

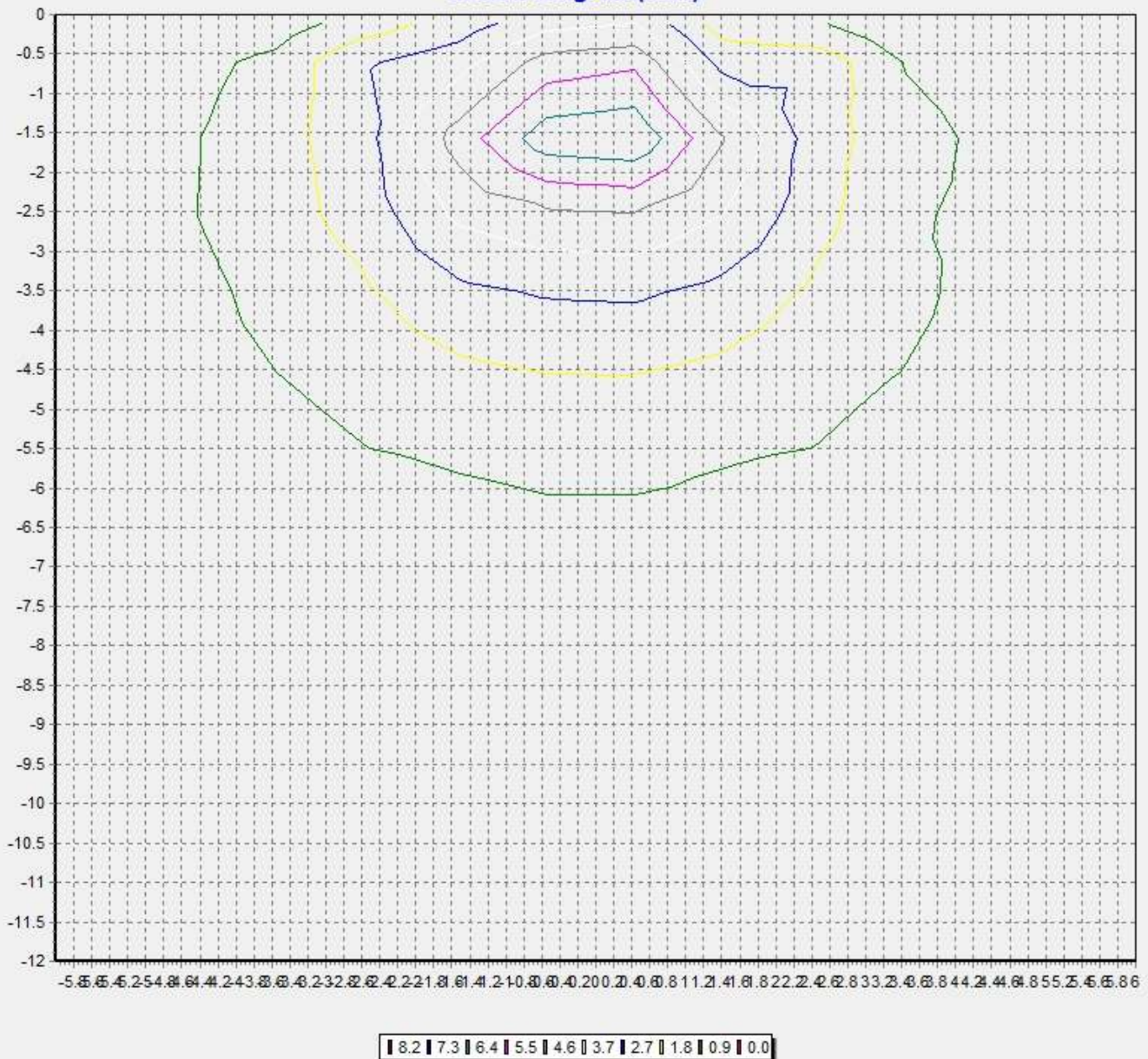
Area Width (m): 12

Luminaire

Lamp	Report			
No. of lamps	1	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190319 FN1 30K-24V 신형.jdt		
Lamp flux (lm)	380	Operator	Current (A)	0.496
Total flux (lm)	380	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)	23.94
Lamp flux (lm)	380	Current (A)	0.496
Total flux (lm)	380	Power Factor	1

Report

Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190319 FN1 30K-24V 신형.jdt
Operator	
Date	2019-03-19 오후 6:35:41

Illuminance Levels (Ground)

6.00	0.17	0.22	0.19	0.24	0.30	0.42	0.36	0.38	0.45	0.40	0.26	0.29	0.26
5.00	0.22	0.20	0.29	0.40	0.73	0.94	0.91	0.91	0.93	0.52	0.41	0.35	0.34
4.00	0.19	0.29	0.63	0.91	0.94	1.33	1.32	1.31	1.32	1.07	0.86	0.49	0.34
3.00	0.24	0.40	0.90	1.11	2.20	2.44	2.77	2.98	2.43	1.58	1.22	0.66	0.41
2.00	0.30	0.72	0.94	2.18	3.14	4.95	5.91	5.82	3.96	2.72	1.35	0.97	0.50
1.00	0.34	0.84	1.18	2.43	4.94	8.83	11.82	9.70	5.89	3.16	1.69	1.13	0.55
0.00	0.35	0.88	1.27	2.69	5.76	11.76	14.67	12.01	6.94	3.59	1.87	1.23	0.61
-1.00	0.34	0.85	1.18	2.39	4.85	8.69	11.81	9.03	5.41	2.89	1.69	1.14	0.57
-2.00	0.30	0.71	0.92	2.14	3.07	4.86	5.91	5.32	3.31	2.60	1.16	0.87	0.42
-3.00	0.24	0.39	0.88	1.07	2.14	2.40	2.75	2.63	2.22	1.20	1.14	0.61	0.33
-4.00	0.19	0.28	0.61	0.88	0.92	1.18	1.30	1.17	1.11	0.93	0.67	0.43	0.30
-5.00	0.22	0.20	0.27	0.38	0.71	0.84	0.90	0.84	0.81	0.39	0.31	0.23	0.31
-6.00	0.16	0.21	0.18	0.24	0.29	0.33	0.35	0.33	0.35	0.31	0.19	0.24	0.19
-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.): 14.7

All illuminance level values are in lux.

Illum. (Min.): 0.16

Illum. Avg.: 1.84

Total Optical Solution Provider

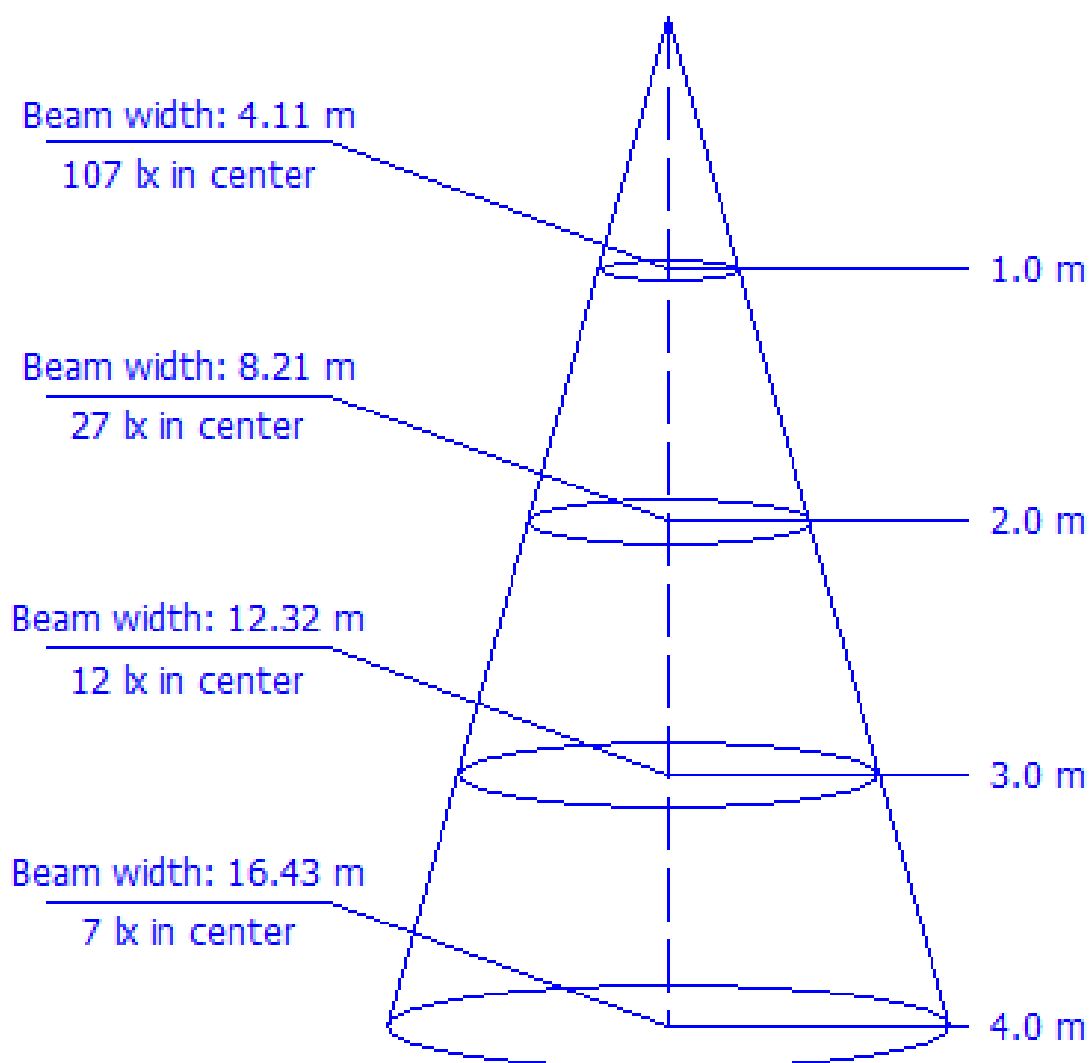

<http://www.jnctech.co.kr>
J & C Technology Co., Ltd.

Luminaire

Lamp	Report			
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Illuminance Cone Diagram



Beam Angle = 128 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	380	Power Factor	1

Report

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Operator

Date

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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