

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 22K-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		0.4997, 0.4289	
Correlated Color Temperature	K	2374	
Ra	-	80.88	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.472	
Input Watt	W	11.31	
Lamp Flux	lm	591.3	
Efficient	lm/W	52.31	
Illuminance	lx	173	1 m
		43	2 m
		19	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) 591

Total flux (lm) 591

Report

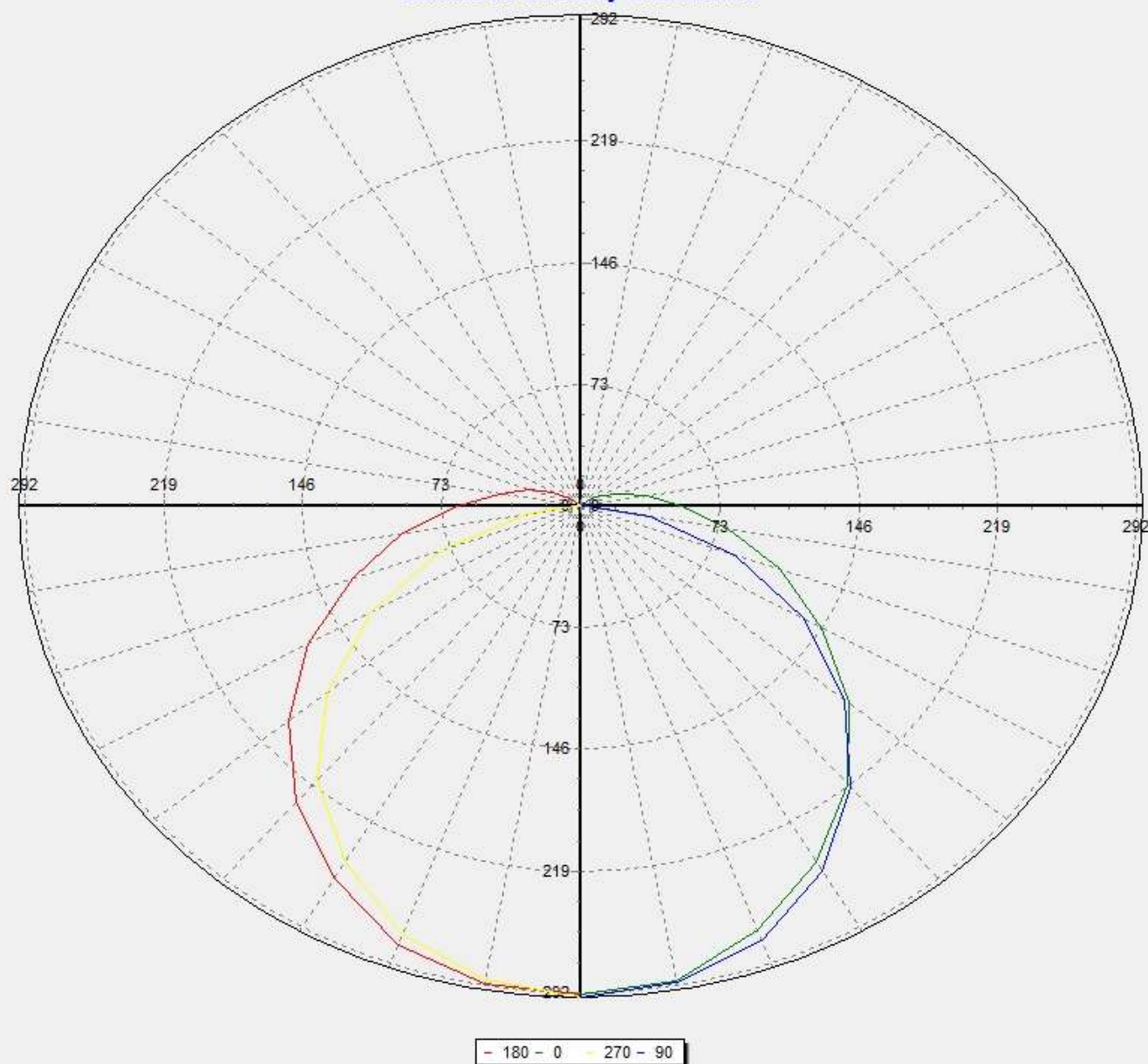
FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 22K-24V.jdt

Operatorcurrent (A) 0.472

Date Power Factor 1

2019-02-11 오후 3:02:25

Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

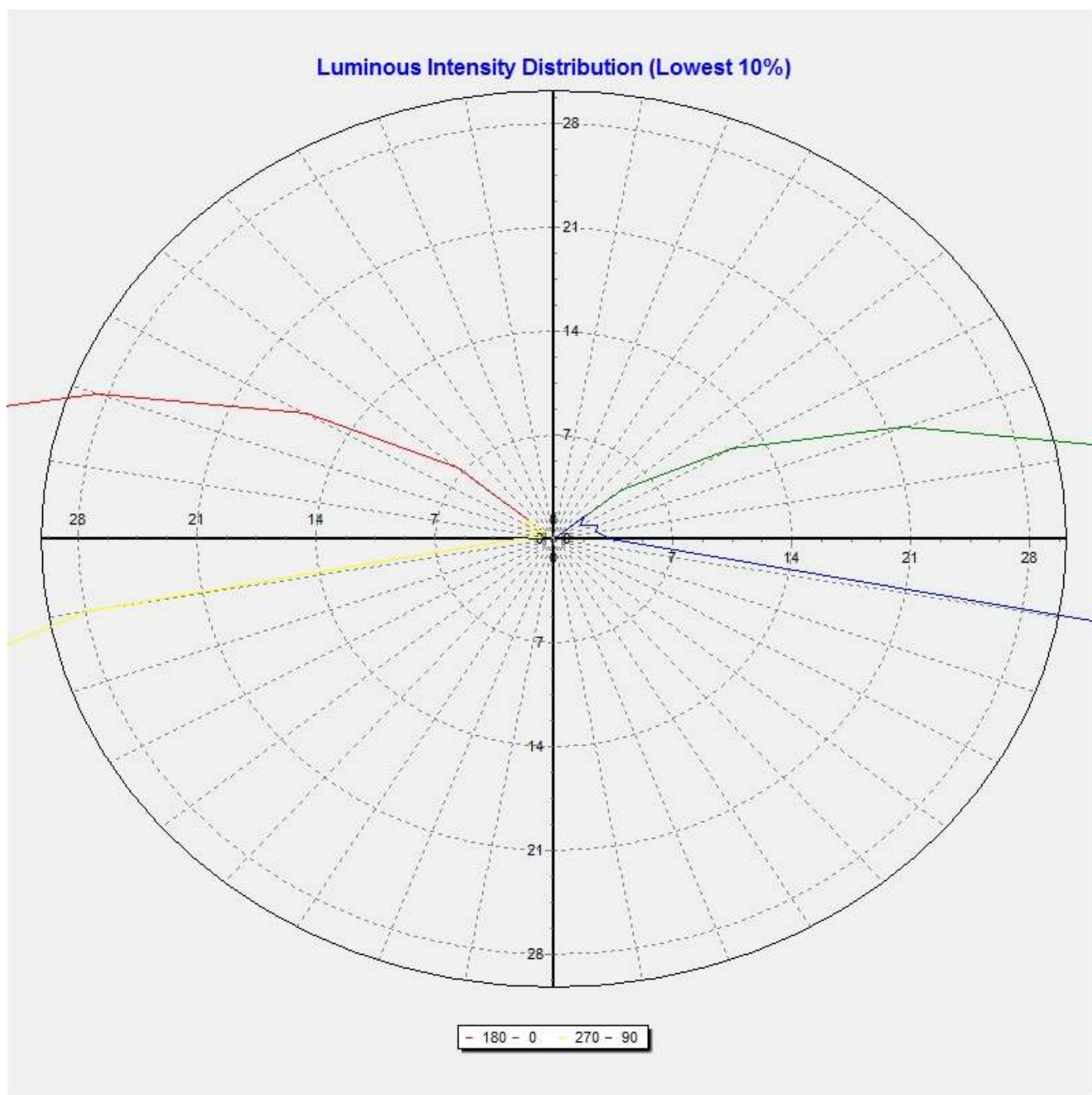
Luminaire

Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 22K-24V.jdt
Lamp flux (lm)	591	Operator	current (A) 0.472
Total flux (lm)	591	Date	Power Factor 1

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All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp	Report			
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Lamp flux (lm)	591	Operator	current (A)	0.472
Total flux (lm)	591	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	173.27	173.37	174.54	174.33	168.22	173.98	173.27	173.37	174.54	174.33	168.22	173.98	173.27
10	170.84	170.86	171.54	171.47	167.06	174.25	172.32	171.94	171.51	170.50	162.88	168.92	170.84
20	160.28	159.47	161.47	163.81	161.03	167.76	165.48	165.64	164.02	161.50	155.53	159.20	160.28
30	146.23	145.46	147.82	150.00	148.47	155.49	152.60	152.48	148.94	145.99	138.71	143.76	146.23
40	129.05	128.43	128.27	130.15	130.85	140.07	137.58	136.63	130.66	127.17	119.14	124.59	129.05
50	108.54	106.75	104.67	106.98	110.48	120.32	118.47	115.69	109.02	102.31	96.26	103.40	108.54
60	86.66	83.52	79.03	80.07	86.51	98.91	97.67	93.47	83.85	75.36	71.03	79.96	86.66
70	65.70	61.10	52.55	51.00	61.25	76.35	75.13	71.14	56.21	45.35	45.64	57.88	65.70
80	46.09	40.88	30.52	21.86	36.01	53.45	56.21	49.11	32.86	16.51	24.61	37.70	46.09
90	31.20	25.71	13.65	1.94	18.47	35.61	37.94	32.89	16.24	1.27	11.02	23.93	31.20
100	20.63	15.95	6.32	1.50	8.46	22.09	25.31	20.68	7.11	0.43	4.93	14.73	20.63
110	12.98	9.15	2.89	1.60	3.98	13.71	16.93	12.01	2.55	0.77	2.39	8.20	12.98
120	7.17	5.30	1.44	1.06	0.98	6.89	9.96	5.58	1.06	1.19	1.34	4.36	7.17
130	3.08	2.11	1.90	1.41	1.40	3.13	4.36	3.04	0.71	1.07	1.38	2.05	3.08

Luminaire

Lamp		Report		
No. of lamps	1	FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 22K-24V.jdt		
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Total flux (lm)	591	Date	Power Factor	1

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Luminous Flux Table

Total Lamp Lumens: 591

Luminaire Efficiency (lm/W):591.32

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.14	4.14	0.70	0.70
10	32.40	36.53	6.18	6.18
20	60.72	97.25	16.45	16.45
30	81.04	178.30	30.15	30.15
40	91.67	269.97	45.66	45.66
50	91.09	361.06	61.06	61.06
60	80.31	441.37	74.64	74.64
70	61.69	503.06	85.08	85.07
80	40.07	543.13	91.85	91.85
90	22.81	565.94	95.71	95.71
100	13.31	579.25	97.96	97.96
110	7.48	586.73	99.23	99.22
120	3.66	590.39	99.85	99.84
130	0.93	591.32	100.00	100.00

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 22K-24V.jdt

Lamp flux (lm) 591

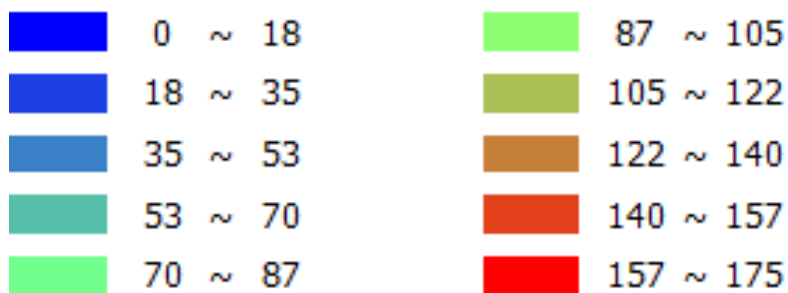
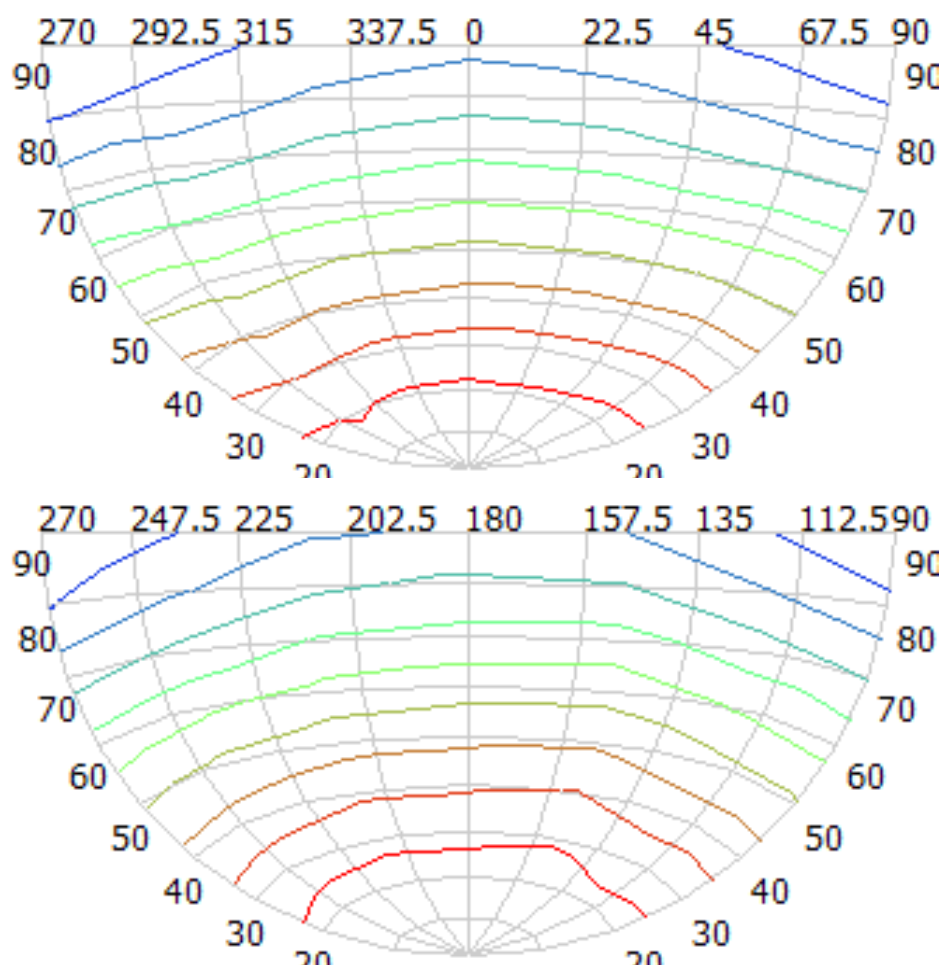
Operator current (A) 0.472

Total flux (lm) 591

Date Power Factor 1

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 591

Total flux (lm) 591

Report

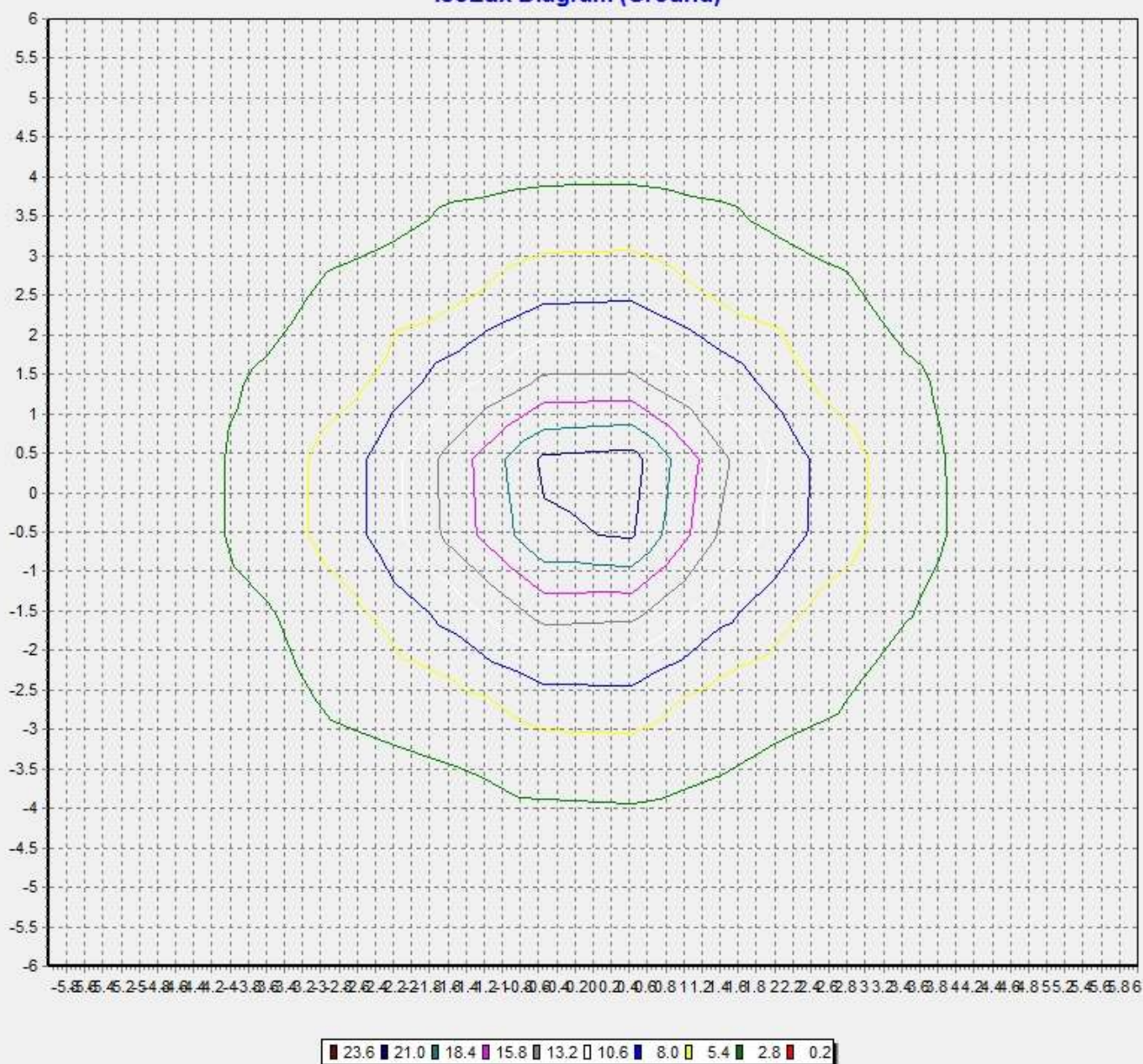
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Operatorcurrent (A) 0.472

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IsoLux Diagram (Ground)



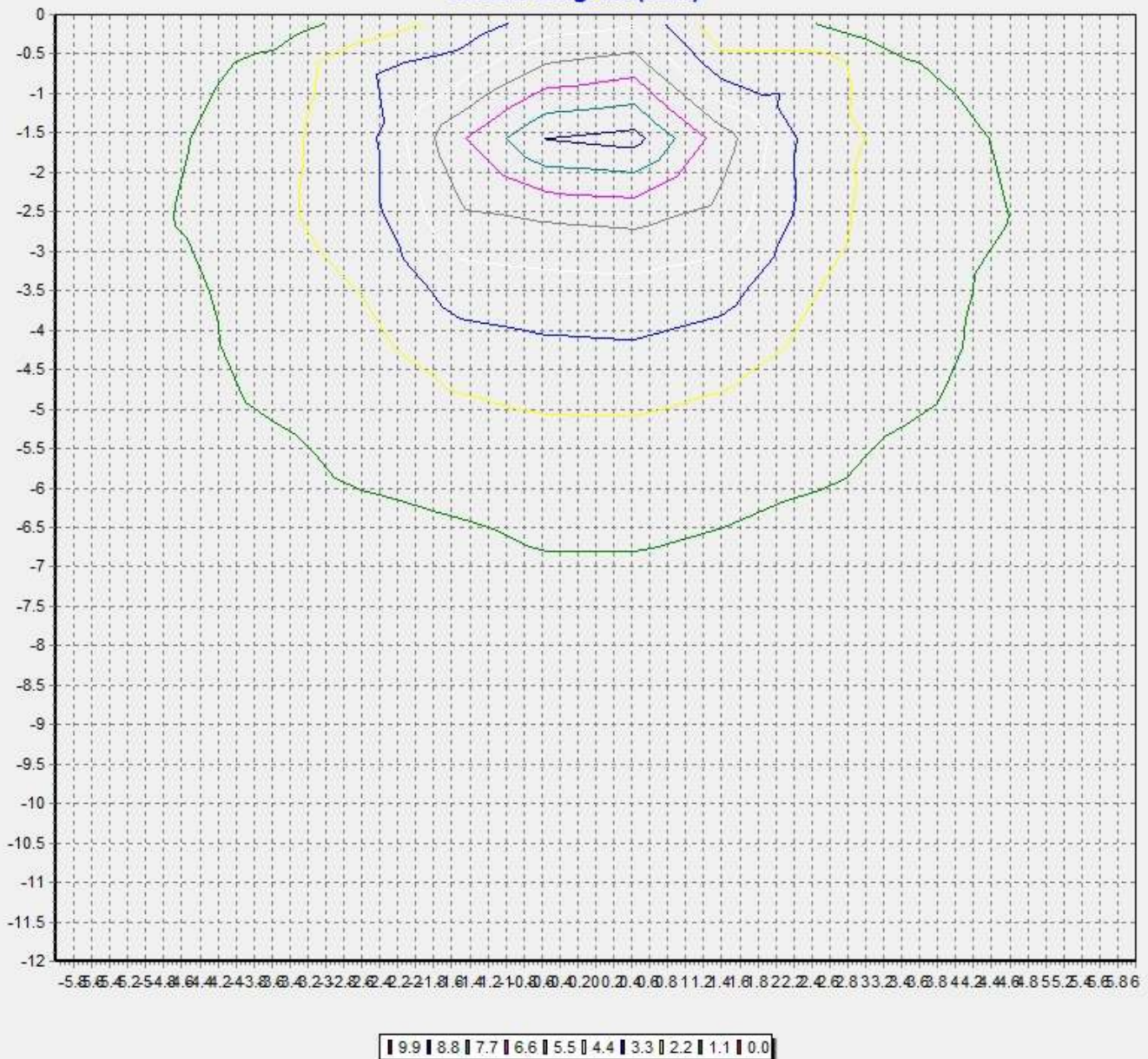
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
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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)	591	Current (A)	0.472
Total flux (lm)	591	Power Factor	1

Report

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 22K-24V.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.29	0.38	0.32	0.46	0.54	0.58	0.60	0.57	0.54	0.46	0.33	0.37	0.31
5.00	0.44	0.36	0.50	0.67	1.25	1.41	1.51	1.41	1.21	0.67	0.50	0.41	0.40
4.00	0.45	0.63	1.07	1.52	1.68	1.98	2.18	1.99	1.62	1.49	1.07	0.57	0.39
3.00	0.48	0.88	1.68	1.90	3.63	4.14	4.58	4.02	3.57	1.92	1.54	0.77	0.47
2.00	0.62	1.30	1.72	3.92	5.27	8.24	9.75	8.09	5.21	3.62	1.64	1.23	0.58
1.00	0.77	1.61	2.37	4.33	8.31	14.53	19.37	14.22	8.09	4.07	2.04	1.41	0.63
0.00	0.80	1.69	2.55	5.02	10.16	19.47	23.77	19.29	9.61	4.62	2.29	1.54	0.71
-1.00	0.78	1.62	2.37	4.42	8.61	14.84	19.25	13.94	7.55	3.76	2.05	1.43	0.66
-2.00	0.66	1.35	1.83	3.88	5.62	8.56	9.52	7.57	4.88	3.46	1.42	1.11	0.48
-3.00	0.54	0.87	1.68	2.14	3.68	4.29	4.40	3.75	3.50	1.69	1.44	0.69	0.37
-4.00	0.45	0.65	1.18	1.57	1.80	1.98	2.07	1.99	1.41	1.42	0.96	0.49	0.34
-5.00	0.45	0.47	0.55	0.71	1.31	1.40	1.44	1.42	1.10	0.61	0.43	0.30	0.36
-6.00	0.35	0.40	0.35	0.53	0.61	0.55	0.55	0.59	0.45	0.36	0.28	0.34	0.26
-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.): 23.8

All illuminance level values are in lux.

Illum. (Min.): 0.26

Illum. Avg.: 2.90

Total Optical Solution Provider


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

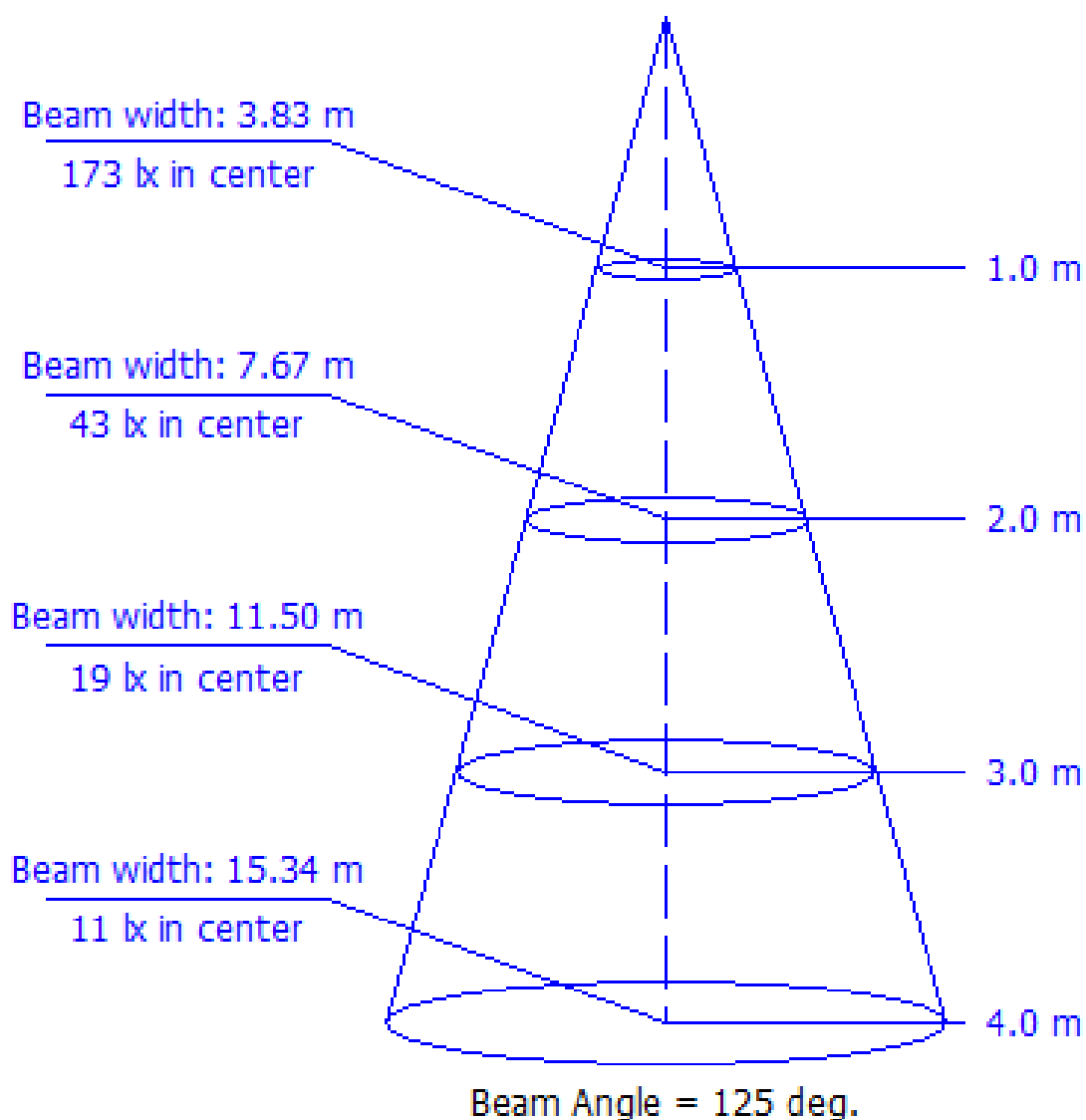
Luminaire

Lamp

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Illuminance Cone Diagram



Based on 50% of maximum illuminance.

Luminaire

Lamp

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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