

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 GR-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		0.1328, 0.6978	
Correlated Color Temperature	K	8745	
Ra	-	-26.07	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.466	
Input Watt	W	11.16	
Lamp Flux	lm	367.2	
Efficient	lm/W	32.90	
Illuminance	lx	105	1 m
		26	2 m
		12	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) 367

Total flux (lm) 367

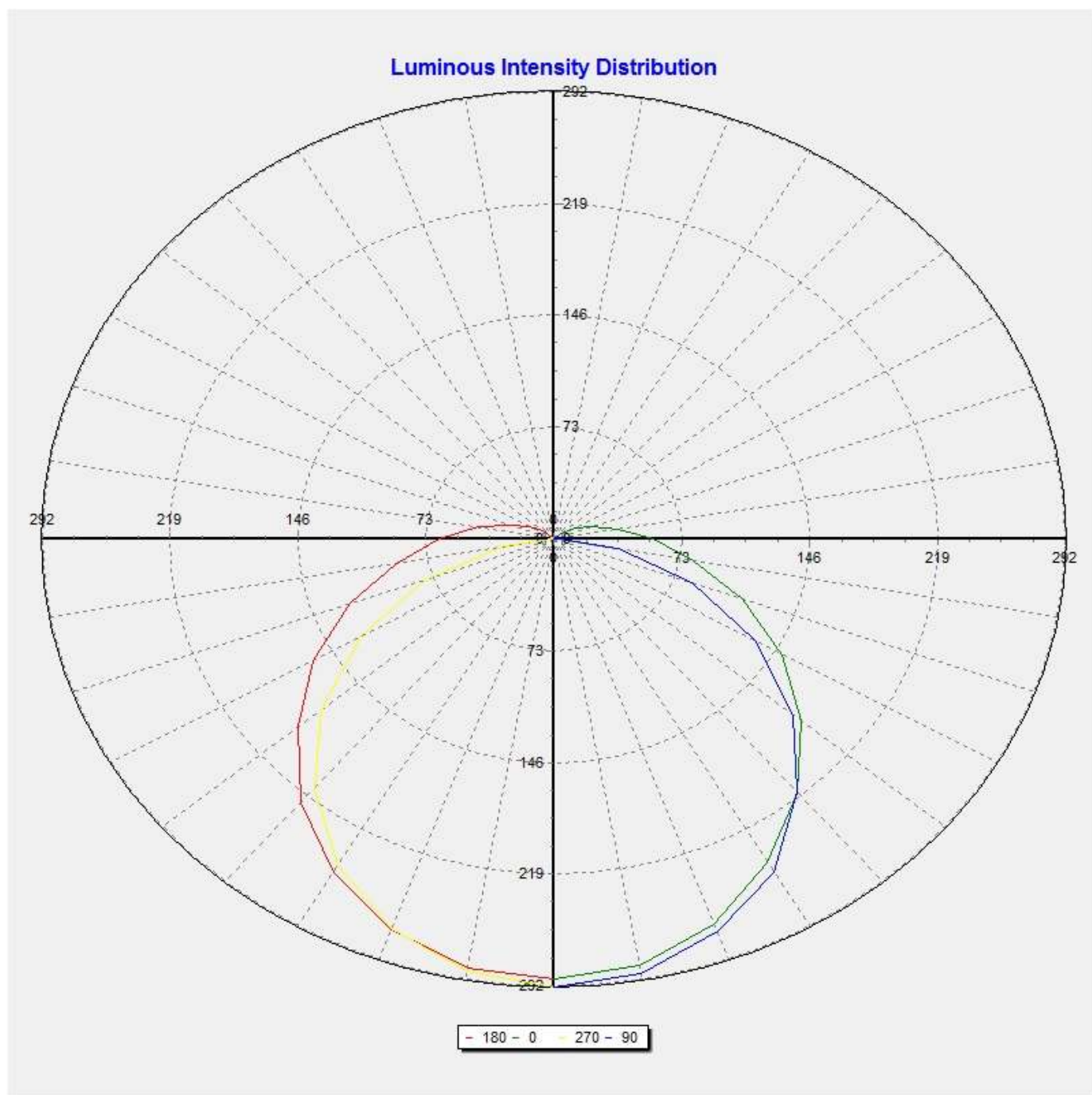
Report

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

Operator rrent (A) 0.466

Date Power Factor 1

2019-02-11 오후 4:44:58



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 GR-24V.jdt

Lamp flux (lm) 367

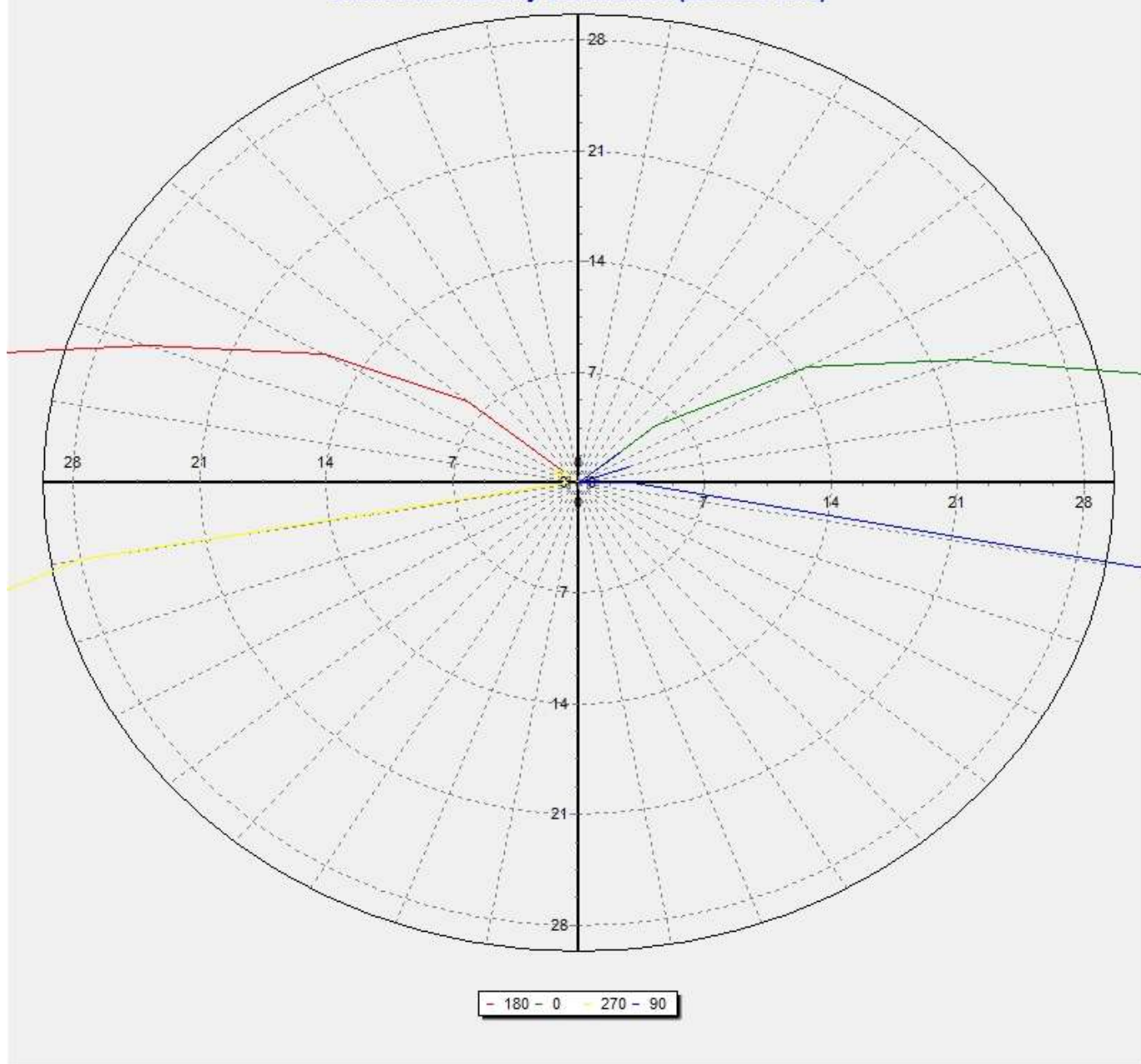
Operator: rrent (A) 0.466

Total flux (lm) 367

Date Power Factor 1

2019-02-11 오후 4:44:58

Luminous Intensity Distribution (Lowest 10%)



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 GR-24V.jdt	
Lamp flux (lm)	367	Operator	rrrent (A) 0.466
Total flux (lm)	367	Date	Power Factor 1
		2019-02-11 오후 4:44:58	

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	105.47	107.47	106.04	107.40	109.61	107.47	105.47	107.47	106.04	107.40	109.61	107.47	105.47
10	103.74	104.60	103.45	105.87	108.72	105.44	104.40	105.45	104.32	105.18	106.30	103.43	103.74
20	98.12	99.09	97.99	100.16	103.44	102.01	99.50	101.45	99.79	99.43	100.77	97.75	98.12
30	89.62	90.56	89.99	92.35	96.15	94.04	92.31	93.03	90.87	90.38	90.71	88.48	89.62
40	79.39	79.03	78.27	79.18	83.93	84.82	82.59	82.36	79.51	78.20	78.04	77.52	79.39
50	67.64	66.64	64.46	65.54	70.05	73.34	69.93	70.31	64.92	63.60	63.02	65.25	67.64
60	55.38	52.81	49.15	48.58	54.51	59.31	58.14	56.48	50.38	46.56	47.51	50.69	55.38
70	42.08	39.16	33.44	30.70	38.71	45.10	45.47	43.46	34.25	28.60	31.13	37.24	42.08
80	29.70	27.41	18.84	13.64	23.88	32.65	33.50	30.39	20.00	10.33	17.03	25.94	29.70
90	20.98	16.56	9.02	1.10	11.92	21.34	23.99	20.51	9.99	0.22	8.16	15.79	20.98
100	13.63	10.36	4.08	-0.07	5.31	13.47	16.12	12.54	4.93	0.35	3.39	9.87	13.63
110	8.34	6.28	1.25	1.08	2.71	8.13	9.32	7.26	1.81	0.44	1.60	5.68	8.34
120	5.36	3.51	0.63	-0.08	0.37	4.58	5.97	3.48	0.79	0.56	1.23	3.20	5.36
130	2.04	1.76	0.87	1.09	1.21	2.14	2.94	1.10	0.79	0.34	0.88	1.40	2.04

Luminaire

Lamp		Report		
No. of lamps	1	Filename: C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190129 FN2 GR-24V.jdt		
Lamp flux (lm)	367	Operator	rrrent (A)	0.466
Total flux (lm)	367	Date	Power Factor	1

2019-02-11 오후 4:44:58

Luminous Flux Table

Total Lamp Lumens: 367

Luminaire Efficiency (lm/W): 367.21

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.56	2.56	0.70	0.70
10	19.98	22.55	6.14	6.14
20	37.44	59.99	16.34	16.34
30	50.13	110.12	29.99	29.99
40	56.49	166.61	45.37	45.37
50	56.26	222.87	60.69	60.69
60	49.76	272.63	74.24	74.24
70	38.54	311.16	84.74	84.74
80	25.47	336.63	91.67	91.67
90	14.57	351.19	95.64	95.64
100	8.45	359.64	97.94	97.94
110	4.62	364.26	99.20	99.20
120	2.34	366.60	99.84	99.84
130	0.60	367.21	100.00	100.00

Luminaire

Lamp

Report

No. of lamps 1

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Lamp flux (lm) 367

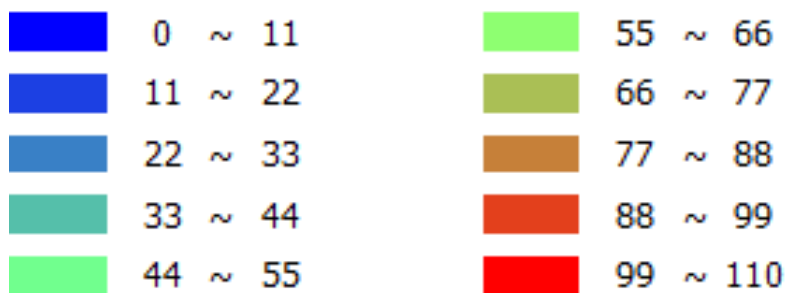
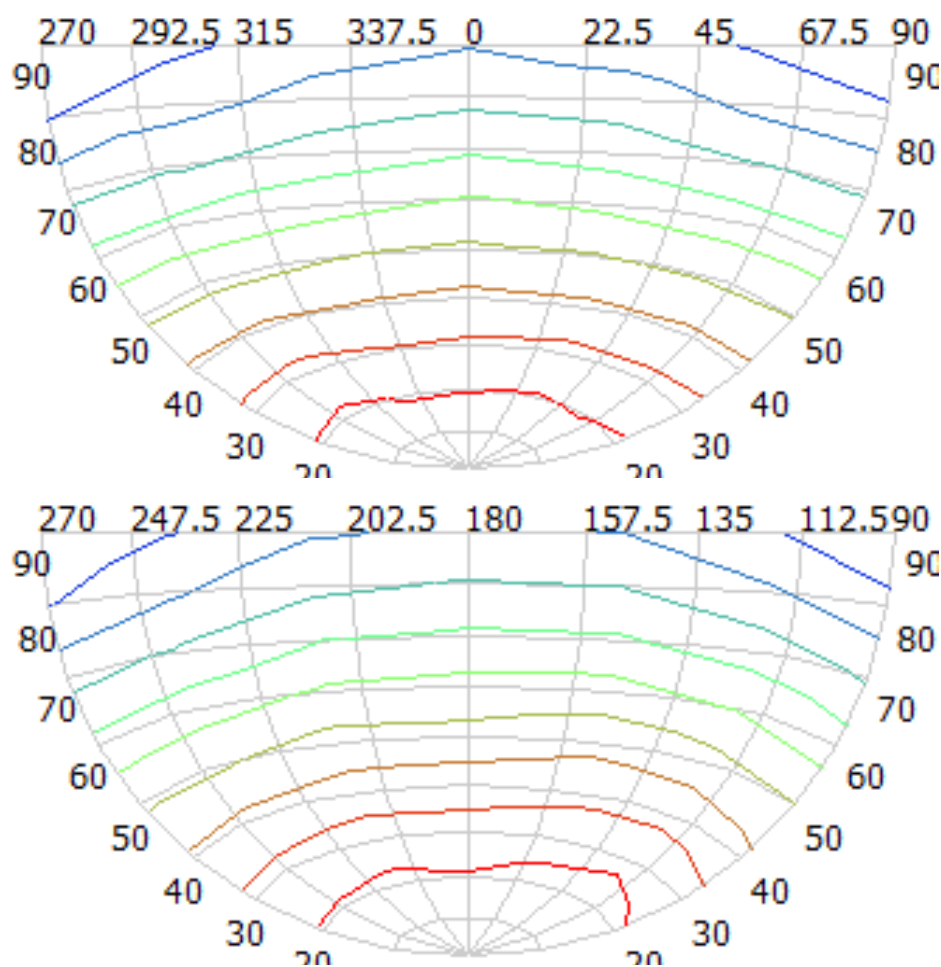
Operator rrent (A) 0.466

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 367

Total flux (lm) 367

Report

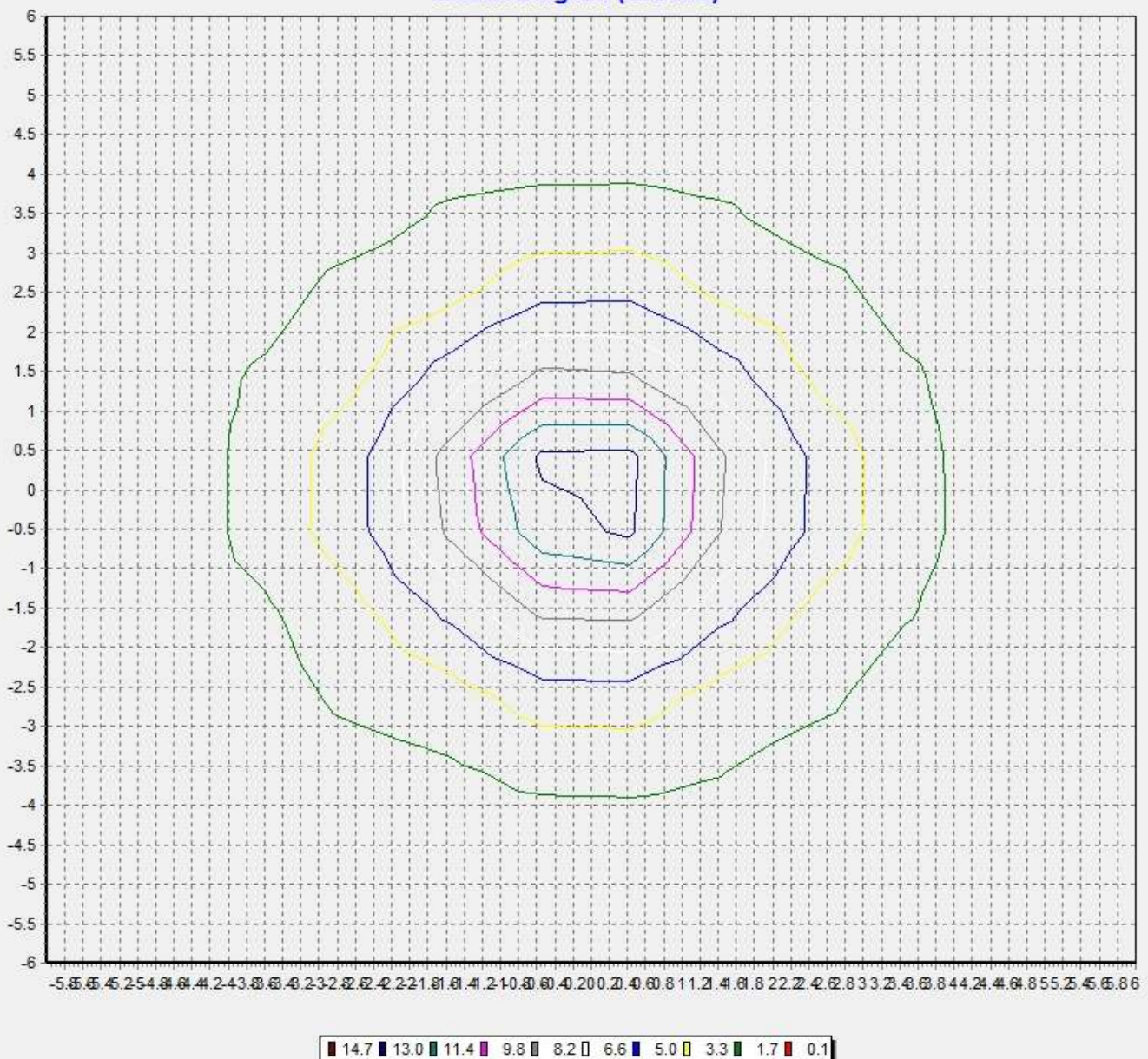
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 367

Total flux (lm) 367

Report

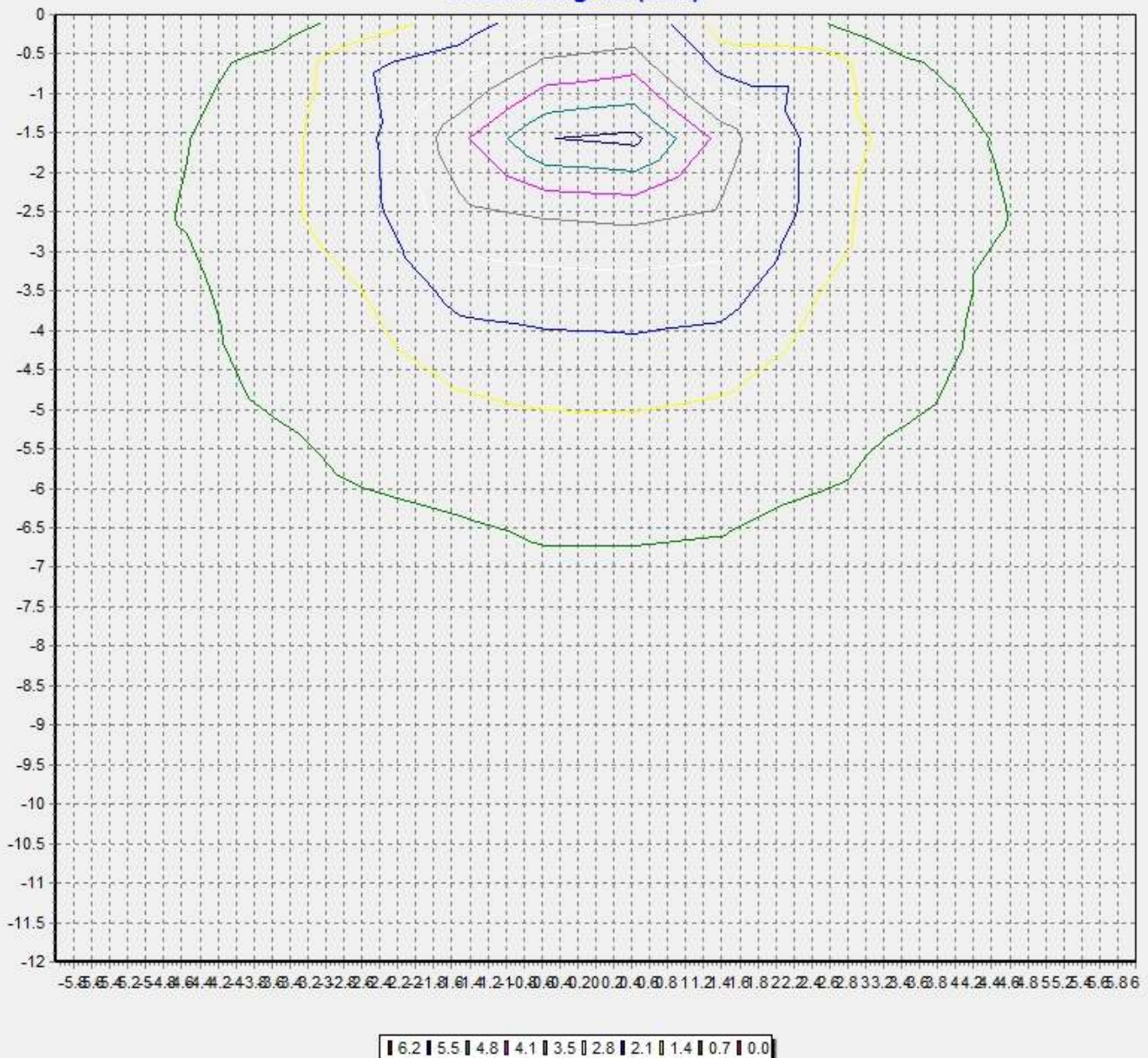
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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Aiming Plane: 0

Wall Distance (m): 2.7

Wall Height (m): 12

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	367	Current (A)	0.466
Total flux (lm)	367	Power Factor	1

Report

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Operator	
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Illuminance Levels (Ground)

6.00	0.18	0.23	0.19	0.29	0.34	0.36	0.36	0.35	0.34	0.29	0.21	0.23	0.19
5.00	0.27	0.23	0.31	0.40	0.78	0.86	0.92	0.87	0.76	0.42	0.32	0.26	0.25
4.00	0.27	0.38	0.66	0.94	1.05	1.22	1.33	1.22	1.02	0.92	0.67	0.36	0.25
3.00	0.30	0.53	1.03	1.18	2.23	2.59	2.80	2.50	2.19	1.22	0.96	0.49	0.30
2.00	0.38	0.81	1.08	2.39	3.29	5.25	5.96	4.97	3.23	2.23	1.03	0.77	0.37
1.00	0.46	0.96	1.42	2.70	5.29	9.16	11.96	8.78	4.98	2.54	1.29	0.89	0.40
0.00	0.48	1.00	1.51	2.98	6.12	11.79	14.47	11.71	5.90	2.87	1.45	0.97	0.45
-1.00	0.46	0.97	1.42	2.66	5.19	9.01	11.88	8.85	4.92	2.42	1.30	0.90	0.42
-2.00	0.40	0.81	1.10	2.32	3.37	5.17	5.87	4.92	3.10	2.17	0.94	0.72	0.32
-3.00	0.33	0.52	1.00	1.28	2.23	2.59	2.73	2.40	2.17	1.08	0.92	0.44	0.25
-4.00	0.27	0.39	0.71	0.94	1.09	1.21	1.28	1.21	0.93	0.89	0.61	0.32	0.22
-5.00	0.27	0.28	0.33	0.43	0.79	0.85	0.89	0.86	0.71	0.38	0.28	0.20	0.23
-6.00	0.21	0.24	0.21	0.32	0.37	0.34	0.34	0.36	0.29	0.24	0.18	0.22	0.16
-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.): 14.5

All illuminance level values are in lux.

Illum. (Min.): 0.16

Illum. Avg.: 1.79

Total Optical Solution Provider


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

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 367

Total flux (lm) 367

Report

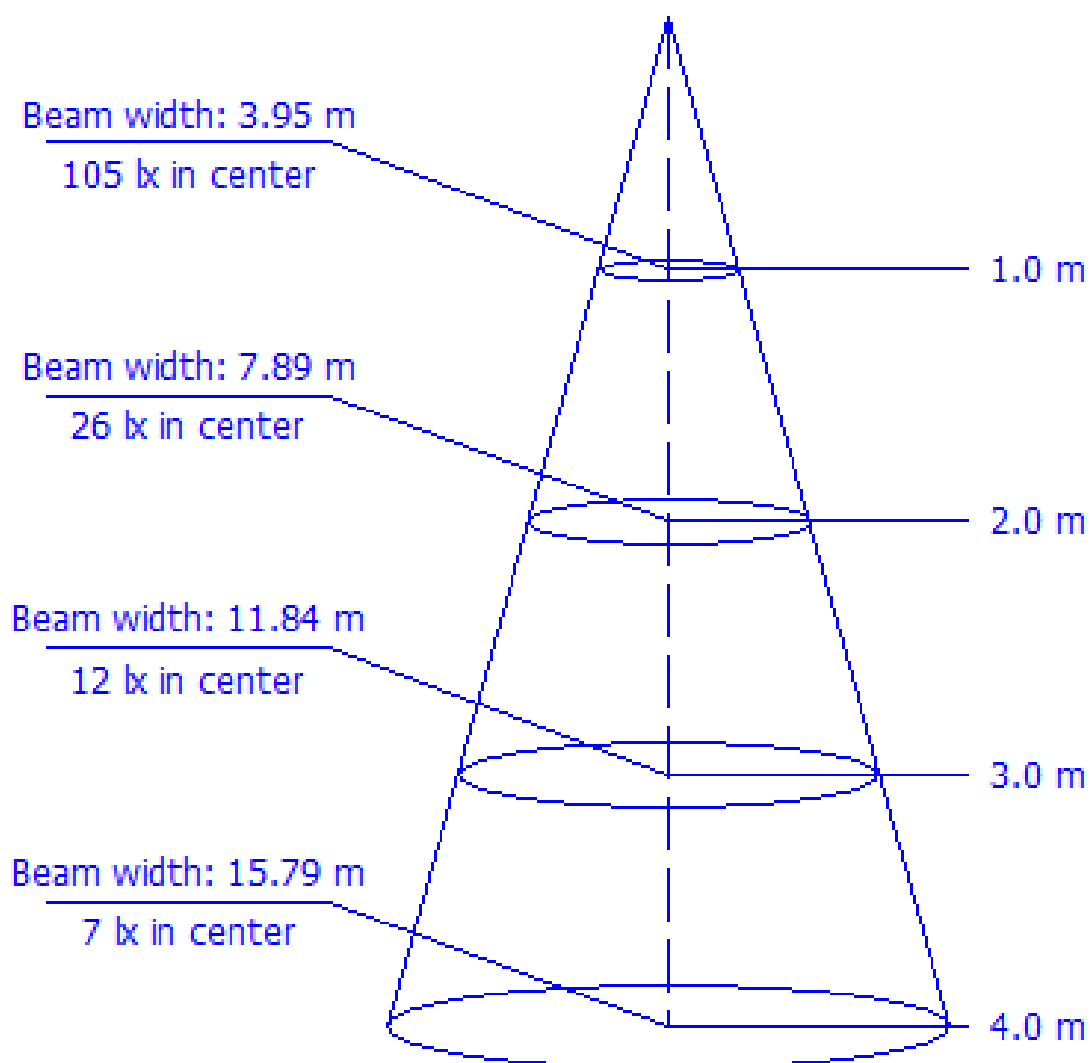
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Illuminance Cone Diagram



Beam Angle = 126 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	367	Current (A)	0.466
Total flux (lm)	367	Power Factor	1

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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