

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 : 190314

2. Purpose of Report :

3. Test Standard / Item : LED / 190314 DDV6 24V-C90-Warm

4. Test Period : 190314 ~ 190314

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
190314	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.4589, 0.4092	
Correlated Color Temperature	K	2718	
Ra	-	92.52	
Power Factor	%	1.000	
Input Voltage	V	23.990	
Input Current	A	0.120	
Input Watt	W	2.88	
Lamp Flux	lm	212.4	
Efficient	lm/W	73.78	
Illuminance	lx	79	1 m
		20	2 m
		9	3 m

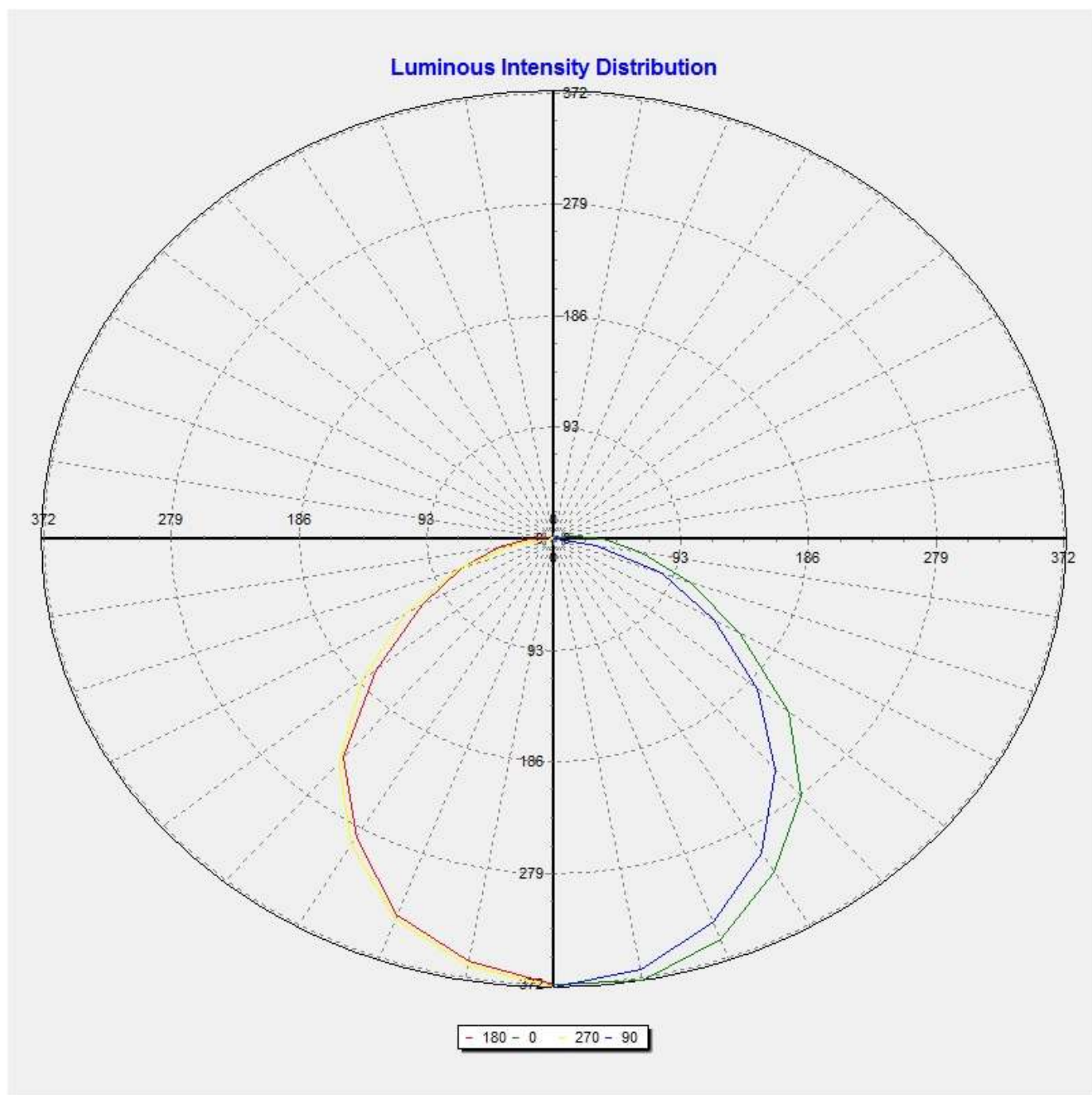
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

Lamp	Report	190314
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190314 DDV6 24V-C90-Warm.jdt	
Lamp flux (lm)	212 Operator	Current (A) 0.12 CGR
Total flux (lm)	212 Date	Power Factor 1 2019-03-14 오전 10:50:37

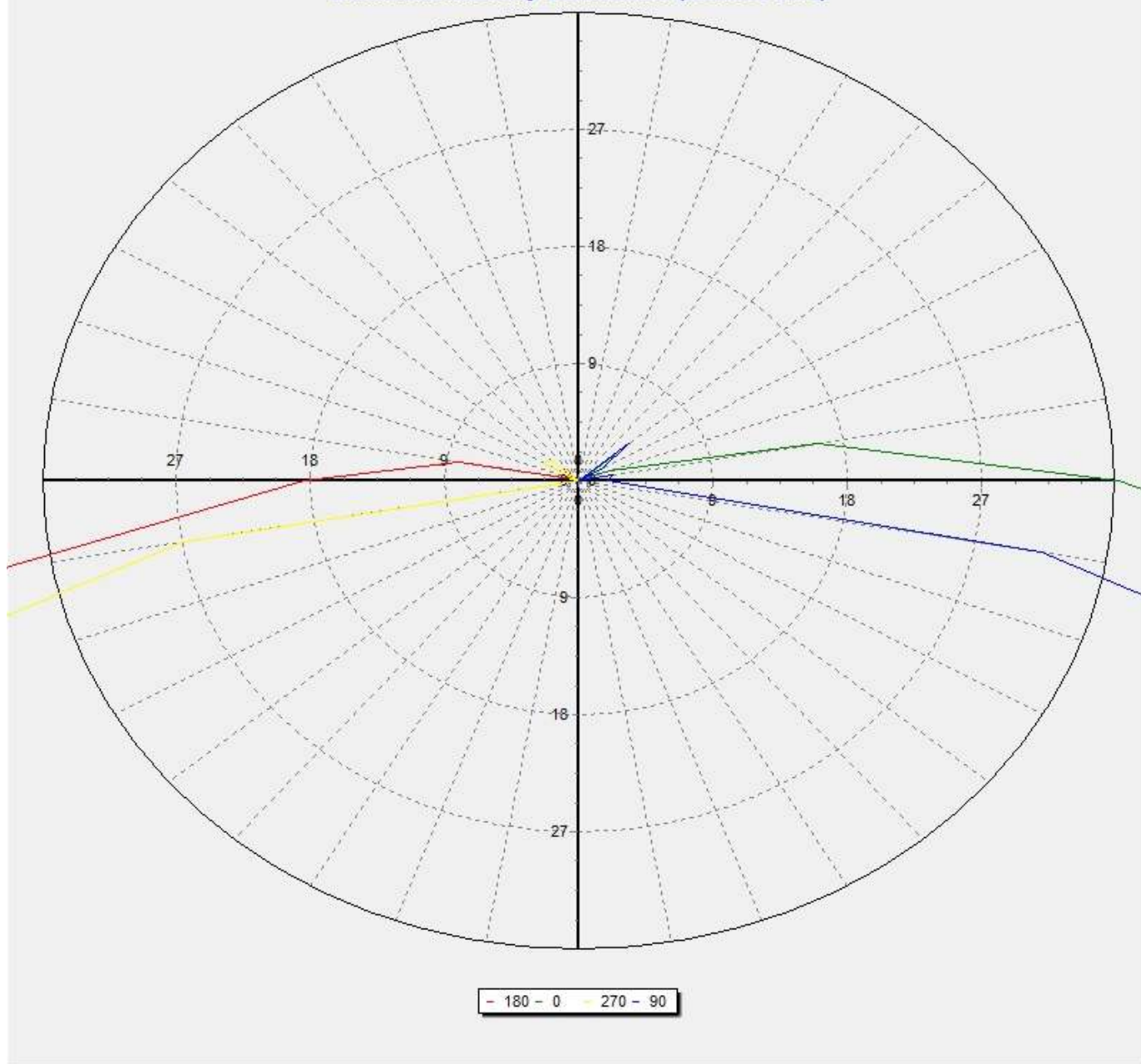


All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report	190314
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190314 DDV6 24V-C90-Warm.jdt	
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Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

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Lamp flux (lm)	212 Operator	Current (A) 0.12 CGR
Total flux (lm)	212 Date	Power Factor 1 2019-03-14 오전 10:50:37

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	78.91	78.80	79.18	79.27	78.05	78.59	78.91	78.80	79.18	79.27	78.05	78.59	78.91
10	79.31	78.89	78.06	77.41	76.83	77.13	75.93	75.94	75.92	76.63	77.87	78.20	79.31
20	75.42	75.53	73.97	72.16	72.31	71.52	70.87	69.94	69.43	71.61	72.65	73.97	75.42
30	68.04	67.90	66.19	64.16	62.78	62.02	61.07	61.19	61.48	62.66	64.10	65.82	68.04
40	59.39	57.92	56.65	53.35	52.93	51.56	50.66	49.23	50.55	51.68	53.00	56.33	59.39
50	47.60	46.52	44.72	41.24	40.22	38.79	35.95	37.79	37.76	38.68	41.93	44.11	47.60
60	33.14	33.54	32.17	28.60	28.25	26.02	23.43	25.10	25.48	26.33	29.40	32.27	33.14
70	22.40	21.34	19.42	17.85	16.84	15.95	15.01	14.60	14.81	15.77	18.07	19.34	22.40
80	13.64	12.44	9.90	6.68	8.23	8.66	8.52	7.83	6.37	5.73	8.44	11.30	13.64
90	7.69	7.47	3.87	0.40	2.80	4.05	3.91	3.83	2.02	-0.34	3.25	5.47	7.69
100	3.46	2.43	0.65	0.49	0.19	0.12	1.73	0.34	0.64	0.12	0.20	2.08	3.46
110	0.47	0.42	0.95	-0.08	0.25	0.18	0.06	0.17	0.50	-0.17	0.81	-0.17	0.47
120	0.10	0.95	1.03	0.38	0.29	1.22	0.06	1.13	0.29	0.58	0.19	0.35	0.10
130	0.63	0.29	0.39	0.93	1.30	0.58	0.36	0.44	0.46	0.49	0.95	1.52	0.63

Luminaire

Lamp	Report	190314
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190314 DDV6 24V-C90-Warm.jdt	
Lamp flux (lm)	212 Operator	Current (A) 0.12 CGR
Total flux (lm)	212 Date	Power Factor 1 2019-03-14 오전 10:50:37

Luminous Flux Table

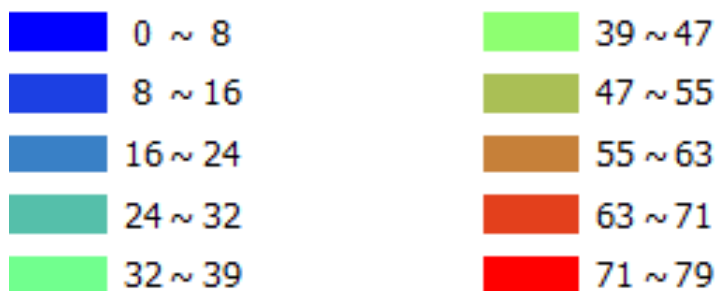
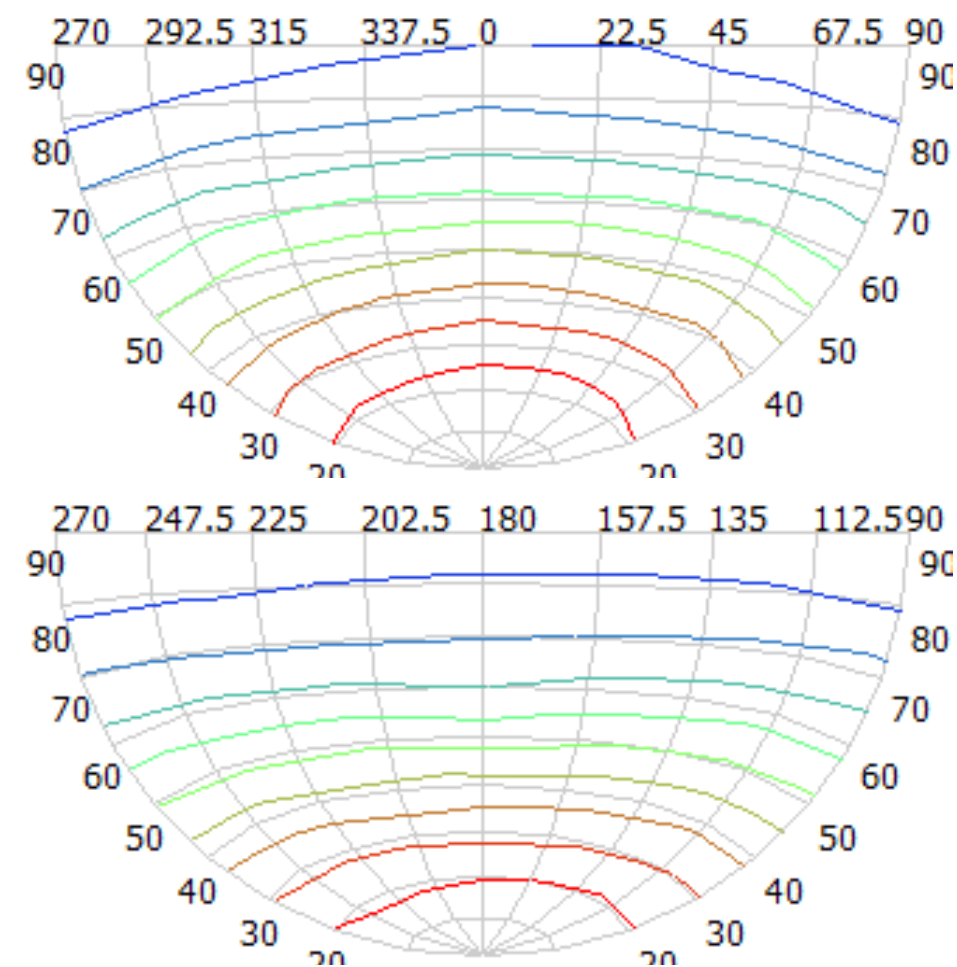
Total Lamp Lumens: 212
 Luminaire Efficiency (lm/W):212.39
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.88	1.88	0.89	0.89
10	14.71	16.59	7.81	7.81
20	27.14	43.73	20.59	20.59
30	35.02	78.75	37.08	37.08
40	37.74	116.49	54.84	54.85
50	34.63	151.12	71.15	71.15
60	27.17	178.29	83.94	83.94
70	18.13	196.42	92.48	92.48
80	9.68	206.10	97.03	97.04
90	4.05	210.15	98.94	98.95
100	1.12	211.27	99.47	99.48
110	0.29	211.57	99.61	99.61
120	0.52	212.09	99.85	99.86
130	0.30	212.39	99.99	100.00

Luminaire

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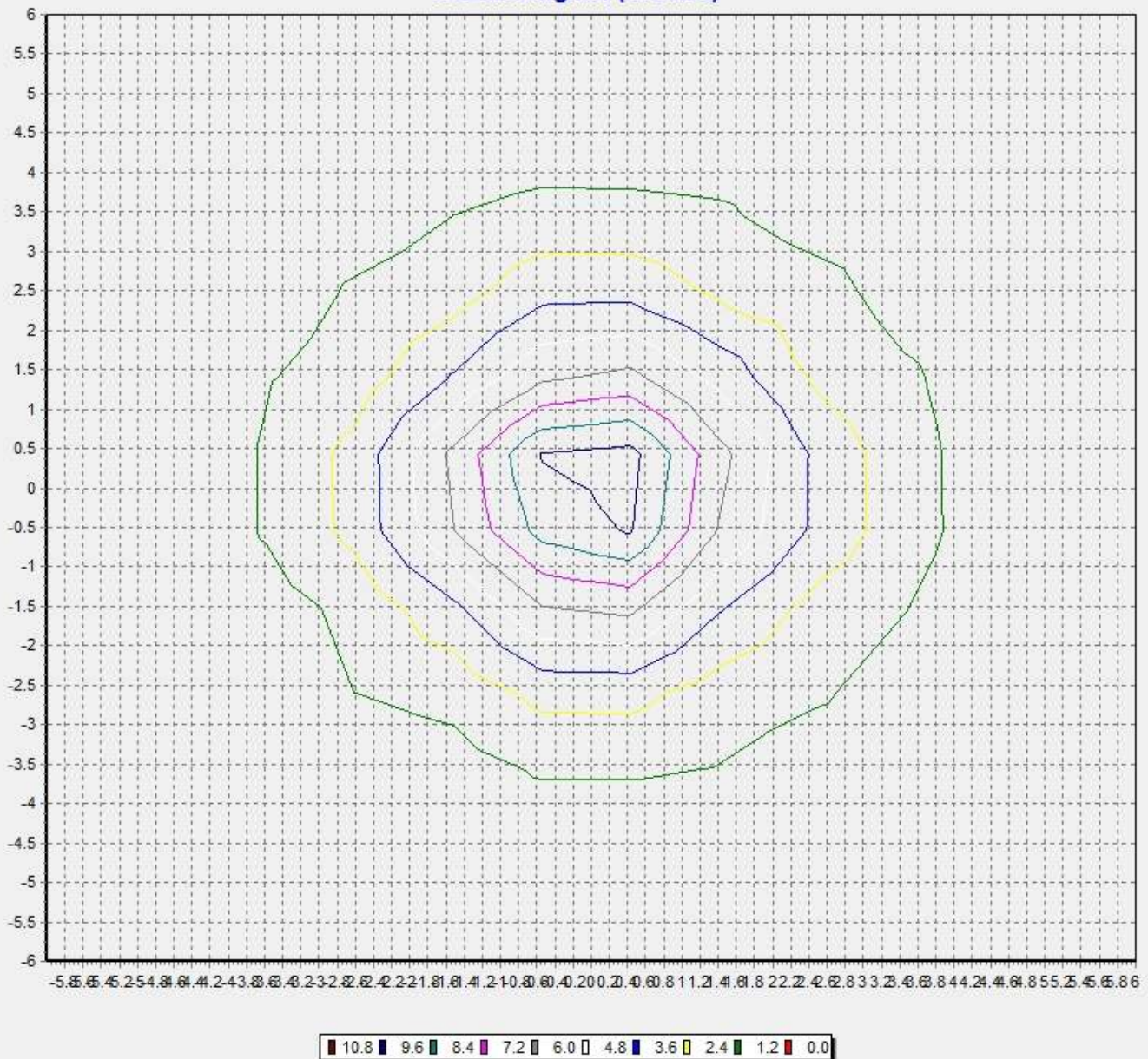
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



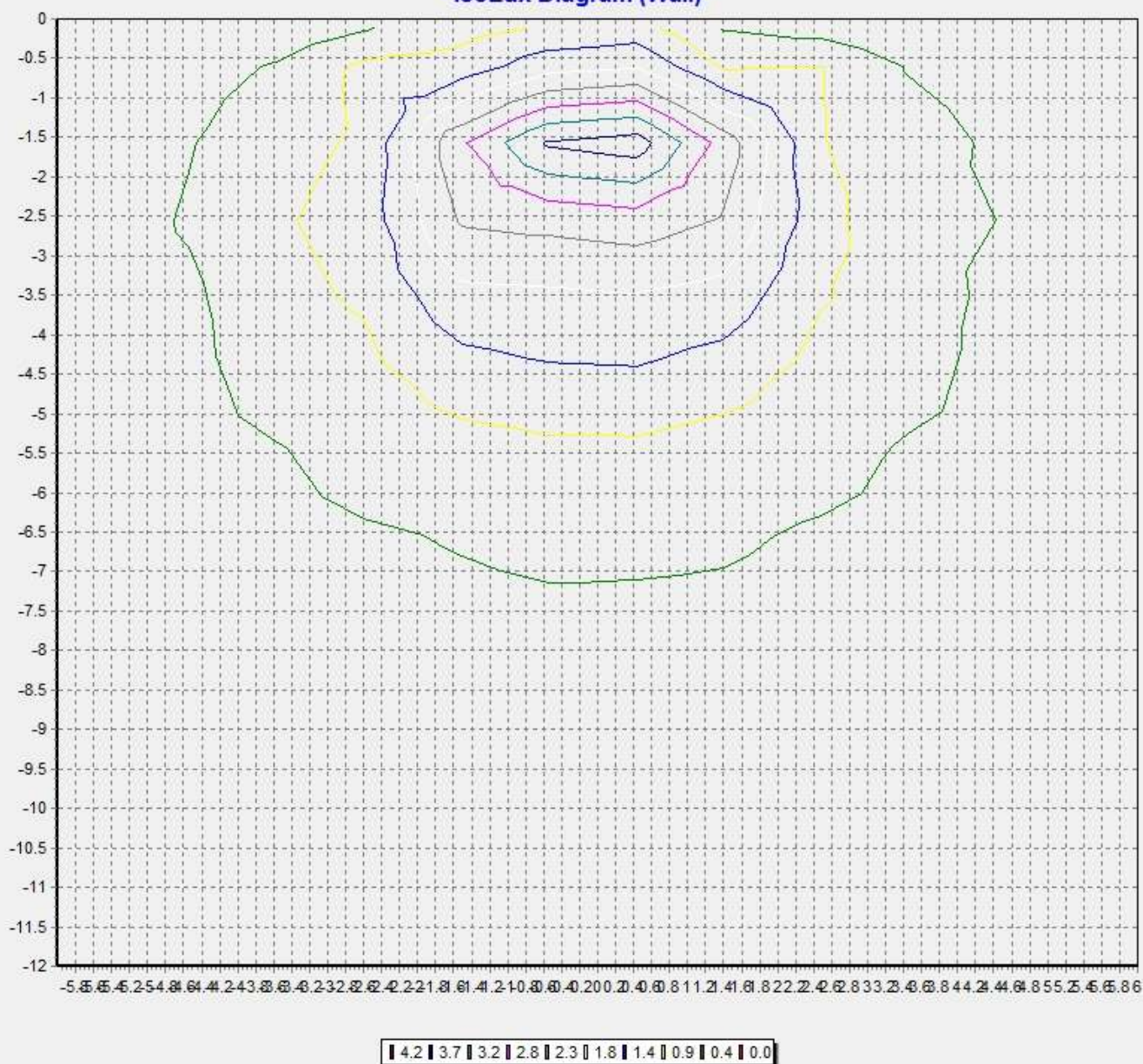
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report	190314
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190314 DDV6 24V-C90-Warm.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

Report

190314

No. of lamps	1	Voltage (V)	23.99	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190314 DDV6 24V-C90-Warm.jdt
Lamp flux (lm)	212	Current (A)	0.12	Operator	CGR
Total flux (lm)	212	Power Factor	1	Date	2019-03-14 오전 10:50:37

Illuminance Levels (Ground)

6.00	0.10	0.13	0.11	0.14	0.17	0.22	0.21	0.21	0.20	0.17	0.12	0.15	0.12
5.00	0.12	0.11	0.17	0.23	0.45	0.57	0.58	0.56	0.51	0.26	0.19	0.14	0.15
4.00	0.10	0.15	0.39	0.57	0.56	0.78	0.81	0.77	0.66	0.63	0.45	0.20	0.14
3.00	0.14	0.21	0.55	0.67	1.46	1.55	1.79	1.74	1.57	0.78	0.66	0.28	0.17
2.00	0.17	0.44	0.56	1.41	2.04	3.34	4.06	3.64	2.32	1.64	0.66	0.52	0.21
1.00	0.17	0.48	0.65	1.51	3.33	6.25	8.74	6.65	3.66	1.78	0.83	0.60	0.23
0.00	0.18	0.50	0.68	1.60	3.86	8.57	10.82	8.96	4.44	2.05	0.94	0.67	0.26
-1.00	0.18	0.49	0.65	1.42	3.12	6.04	8.65	6.24	3.37	1.63	0.83	0.61	0.24
-2.00	0.15	0.41	0.50	1.36	1.88	3.12	3.95	3.34	2.02	1.54	0.59	0.47	0.19
-3.00	0.12	0.19	0.51	0.58	1.37	1.44	1.69	1.55	1.41	0.66	0.61	0.26	0.15
-4.00	0.09	0.14	0.34	0.53	0.50	0.67	0.75	0.67	0.58	0.55	0.38	0.18	0.12
-5.00	0.11	0.10	0.14	0.20	0.41	0.50	0.54	0.50	0.45	0.21	0.16	0.11	0.14
-6.00	0.08	0.12	0.09	0.12	0.15	0.18	0.19	0.18	0.17	0.14	0.10	0.13	0.10
-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.): 10.8

All illuminance level values are in lux.

Illum. (Min.): 0.08

Illum. Avg.: 1.17

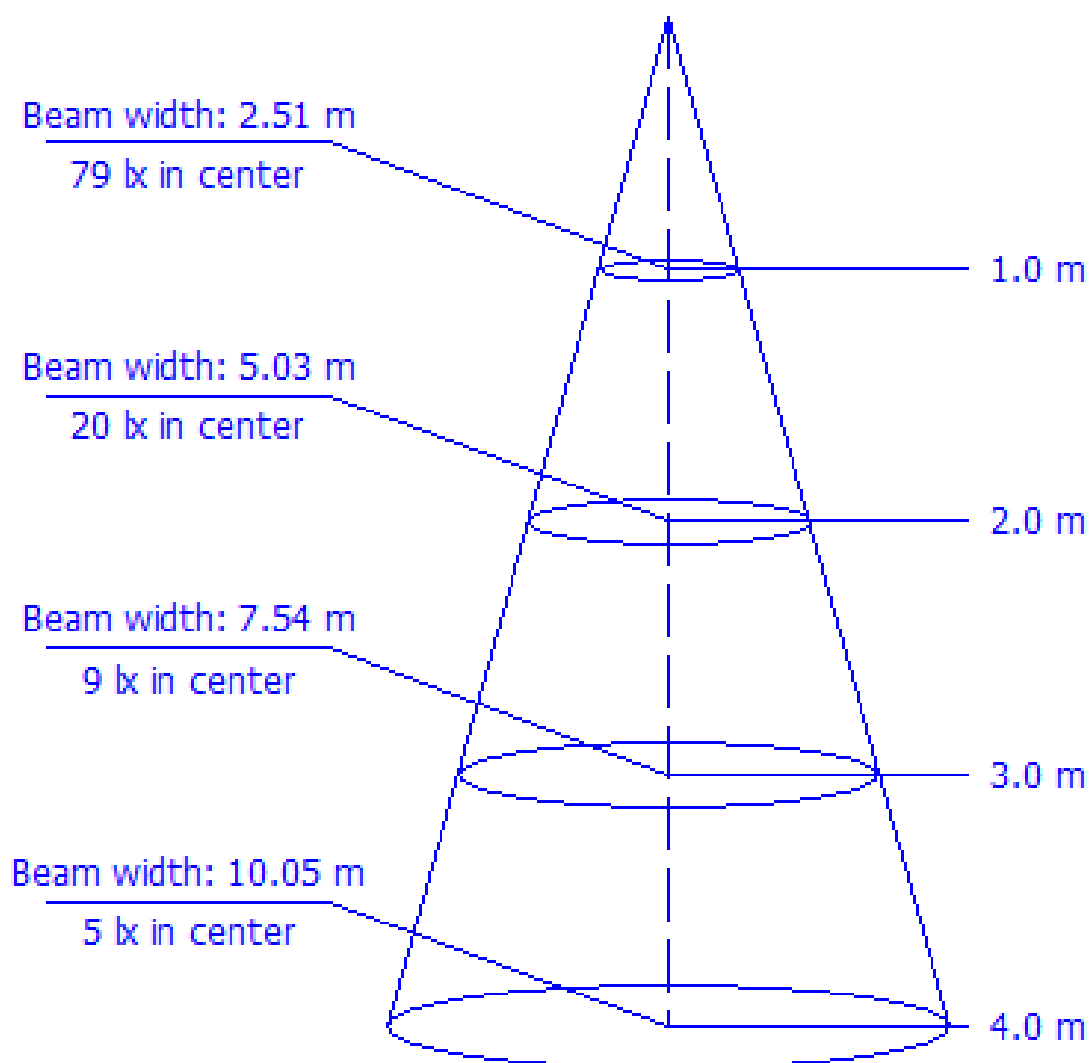
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Beam Angle = 103 deg.

Based on 50% of maximum illuminance.

Luminaire

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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