

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 : 190315

2. Purpose of Report :

3. Test Standard / Item : LED / 190315 DDV24 24V-C90-Cool

4. Test Period : 190315 ~ 190315

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
190315	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3342, 0.3454	
Correlated Color Temperature	K	5423	
Ra	-	92.95	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.481	
Input Watt	W	11.52	
Lamp Flux	lm	938.2	
Efficient	lm/W	81.44	
Illuminance	lx	345	1 m
		86	2 m
		38	3 m

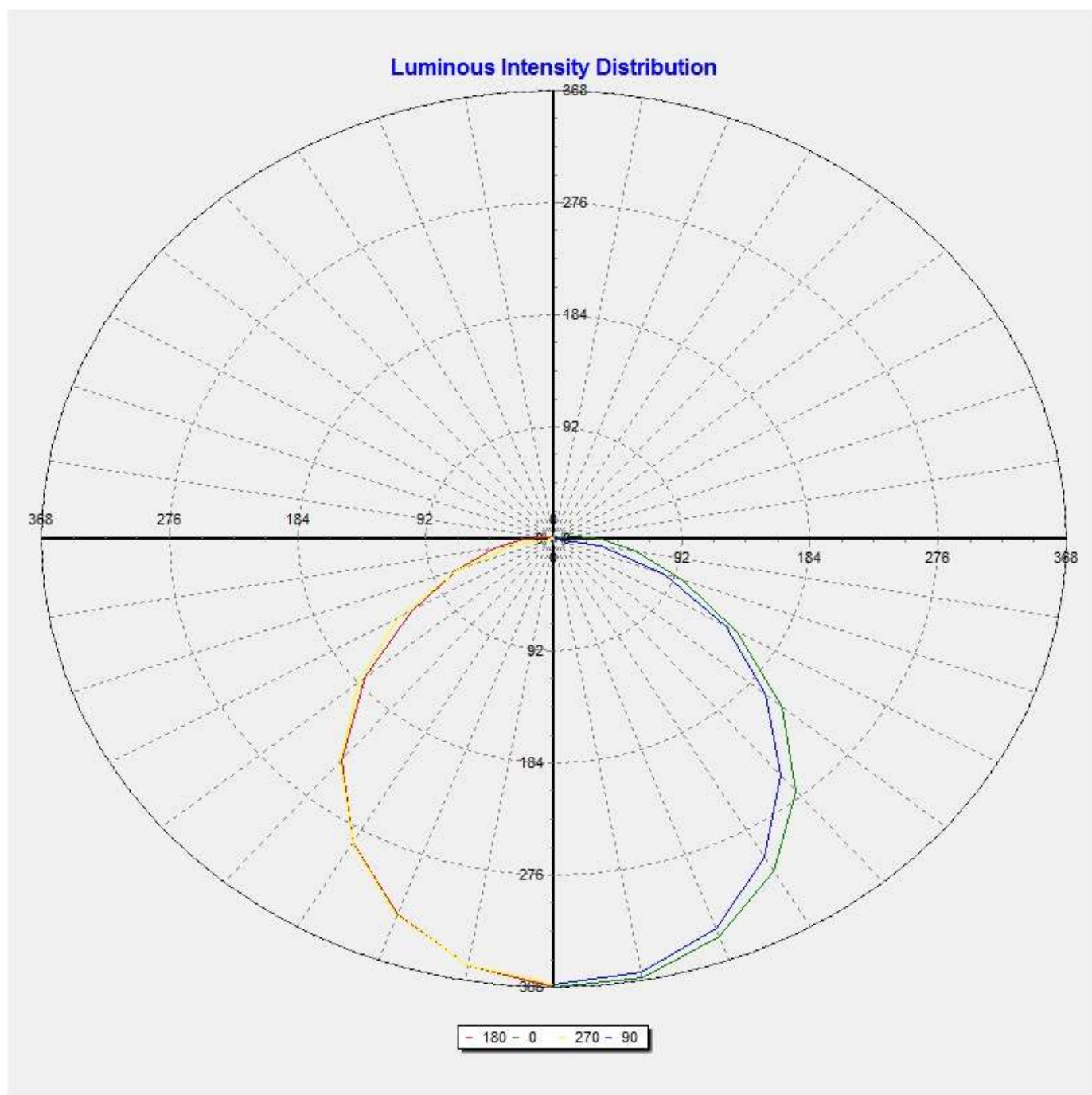
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

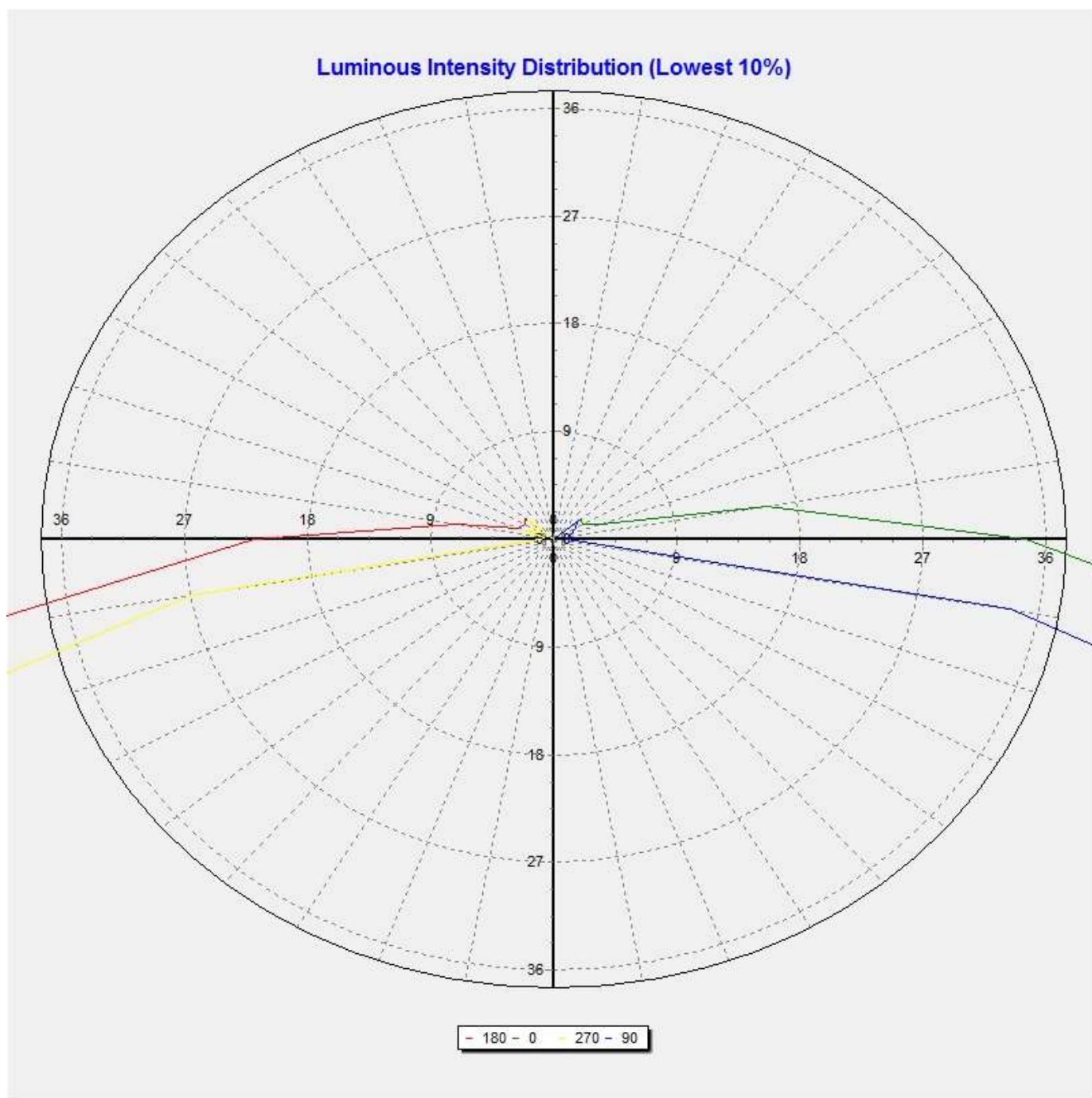
Lamp	Report	190315
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV24 24V-C90-Cool.jdt	
Lamp flux (lm)	938 Operator	Current (A) 0.481 CGR
Total flux (lm)	938 Date	Power Factor 1 2019-03-15 오후 2:29:27



All luminous intensity values are in Cd/Klm unit.

Luminaire

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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	345.30	344.71	344.51	342.86	344.19	342.87	345.30	344.71	344.51	342.86	344.19	342.87	345.30
10	343.07	342.33	341.74	338.62	338.04	334.82	333.51	331.85	331.99	334.05	335.08	339.13	343.07
20	326.36	326.18	322.53	319.26	314.72	312.20	307.81	304.42	304.87	308.47	313.57	319.79	326.36
30	295.89	298.18	290.48	283.35	279.48	273.78	269.94	265.62	265.69	270.85	278.49	287.98	295.89
40	254.20	254.76	249.00	238.37	233.28	227.36	222.15	218.26	219.26	223.07	233.43	246.08	254.20
50	201.22	203.48	198.61	186.80	181.28	175.47	165.92	166.63	165.52	171.93	182.25	191.18	201.22
60	142.80	145.32	143.83	133.94	128.78	122.28	110.87	113.92	114.97	121.09	130.27	135.82	142.80
70	92.26	93.68	91.13	79.54	77.57	75.44	69.82	70.56	67.30	69.71	80.45	86.56	92.26
80	56.49	55.32	46.28	31.74	36.57	41.86	41.43	38.28	30.12	25.21	38.72	50.92	56.49
90	32.31	28.42	16.71	0.83	11.18	20.03	20.51	17.89	9.41	0.90	13.73	25.17	32.31
100	14.86	11.10	1.73	1.01	0.74	6.13	6.78	4.24	1.40	0.67	1.64	9.09	14.86
110	3.53	1.50	2.04	1.29	1.03	1.03	2.57	1.11	1.35	2.00	1.81	1.07	3.53
120	2.30	2.24	1.83	1.72	2.32	1.73	2.32	2.20	1.27	1.30	1.51	1.32	2.30
130	2.49	2.33	1.99	2.13	1.75	2.63	2.54	2.68	2.06	2.37	2.90	2.37	2.49

Luminaire

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Luminous Flux Table

Total Lamp Lumens: 938
 Luminaire Efficiency (lm/W):938.17
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.23	8.23	0.88	0.88
10	64.10	72.32	7.71	7.71
20	118.00	190.32	20.29	20.29
30	153.32	343.64	36.63	36.63
40	165.40	509.04	54.26	54.26
50	153.14	662.18	70.58	70.58
60	122.03	784.21	83.59	83.59
70	81.82	866.03	92.31	92.31
80	44.31	910.34	97.03	97.03
90	17.99	928.33	98.95	98.95
100	5.34	933.66	99.52	99.52
110	1.74	935.41	99.70	99.71
120	1.74	937.15	99.89	99.89
130	1.02	938.17	100.00	100.00

Luminaire

Lamp

Report

190315

No. of lamps

1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV24 24V-C90-Cool.jdt

Lamp flux (lm)

938 Operator

Current (A)

0.481

CGR

Total flux (lm)

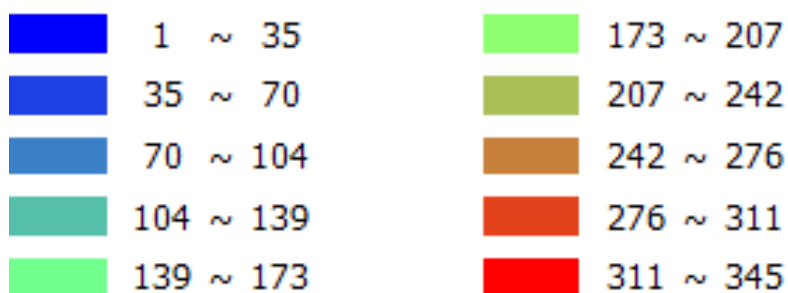
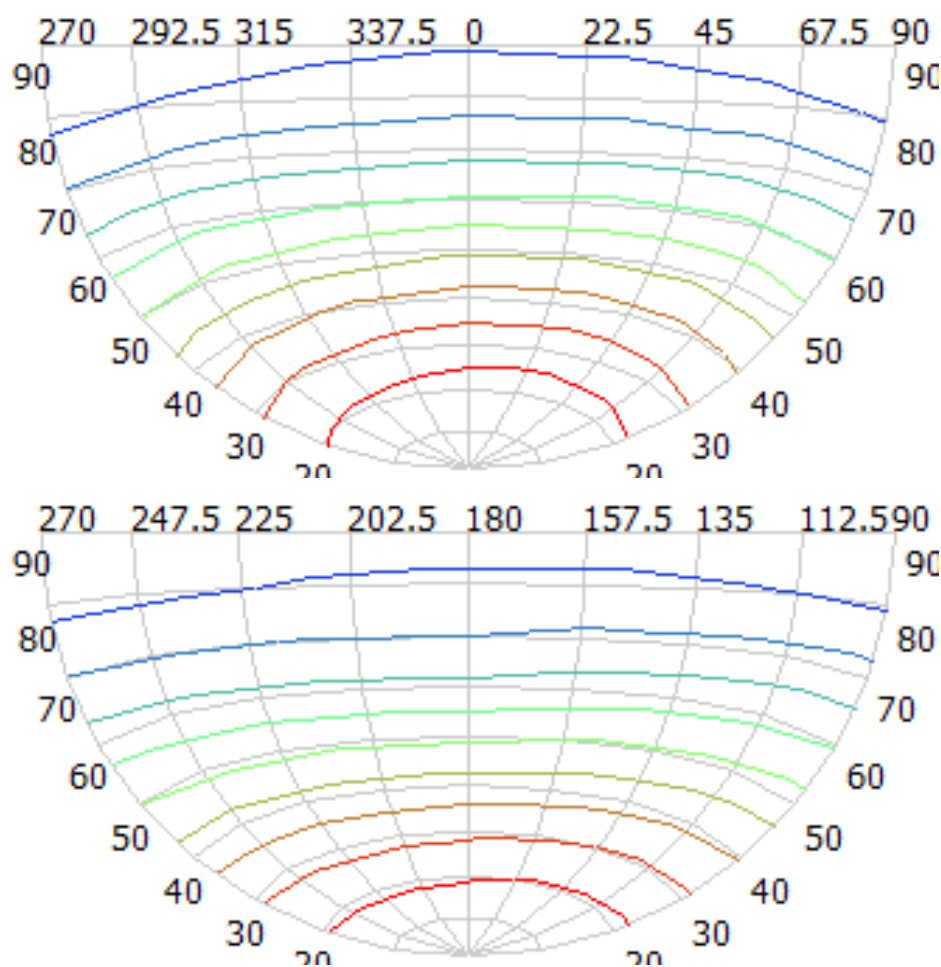
938 Date

Power Factor

1

2019-03-15 오후 2:29:27

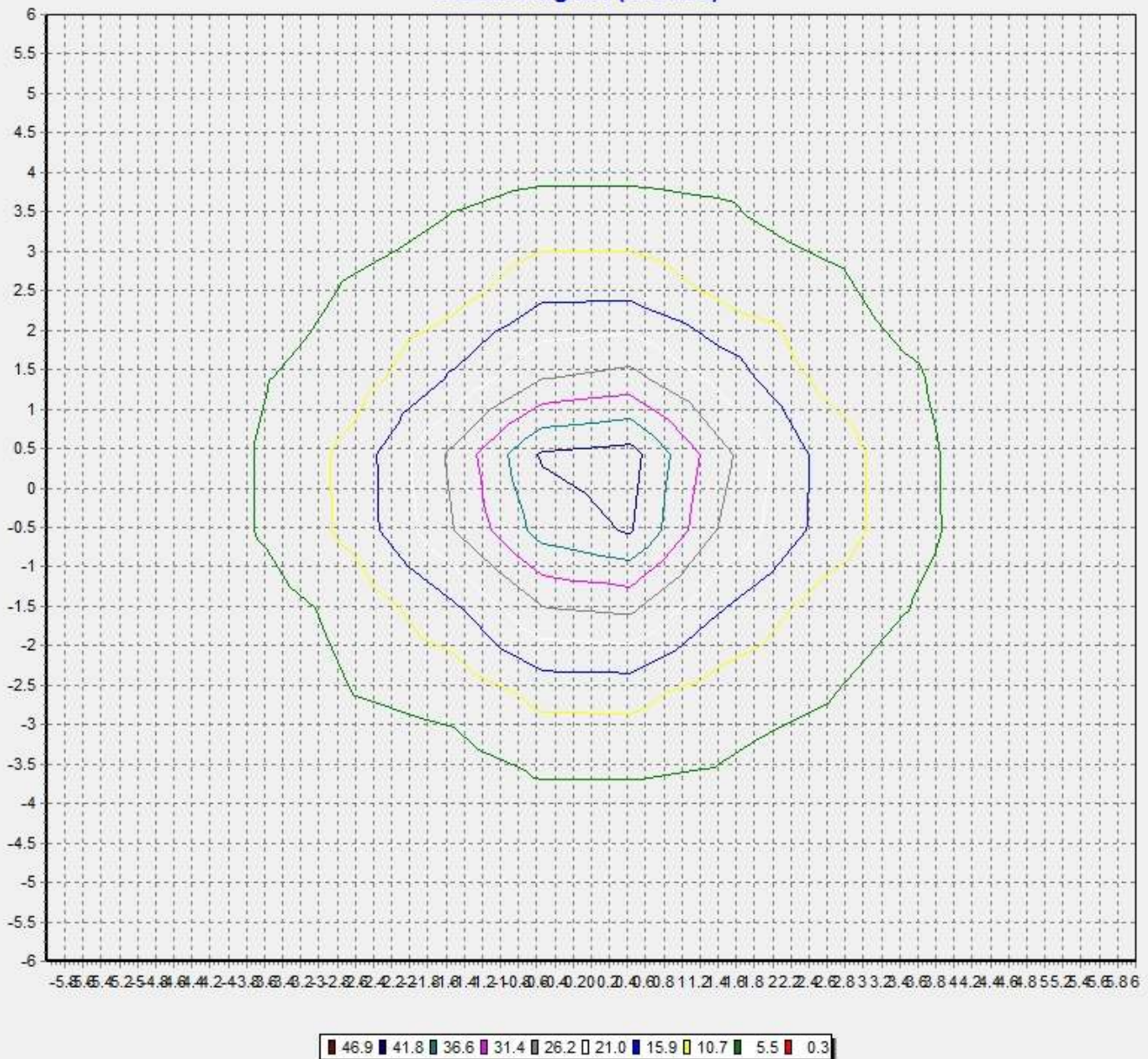
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



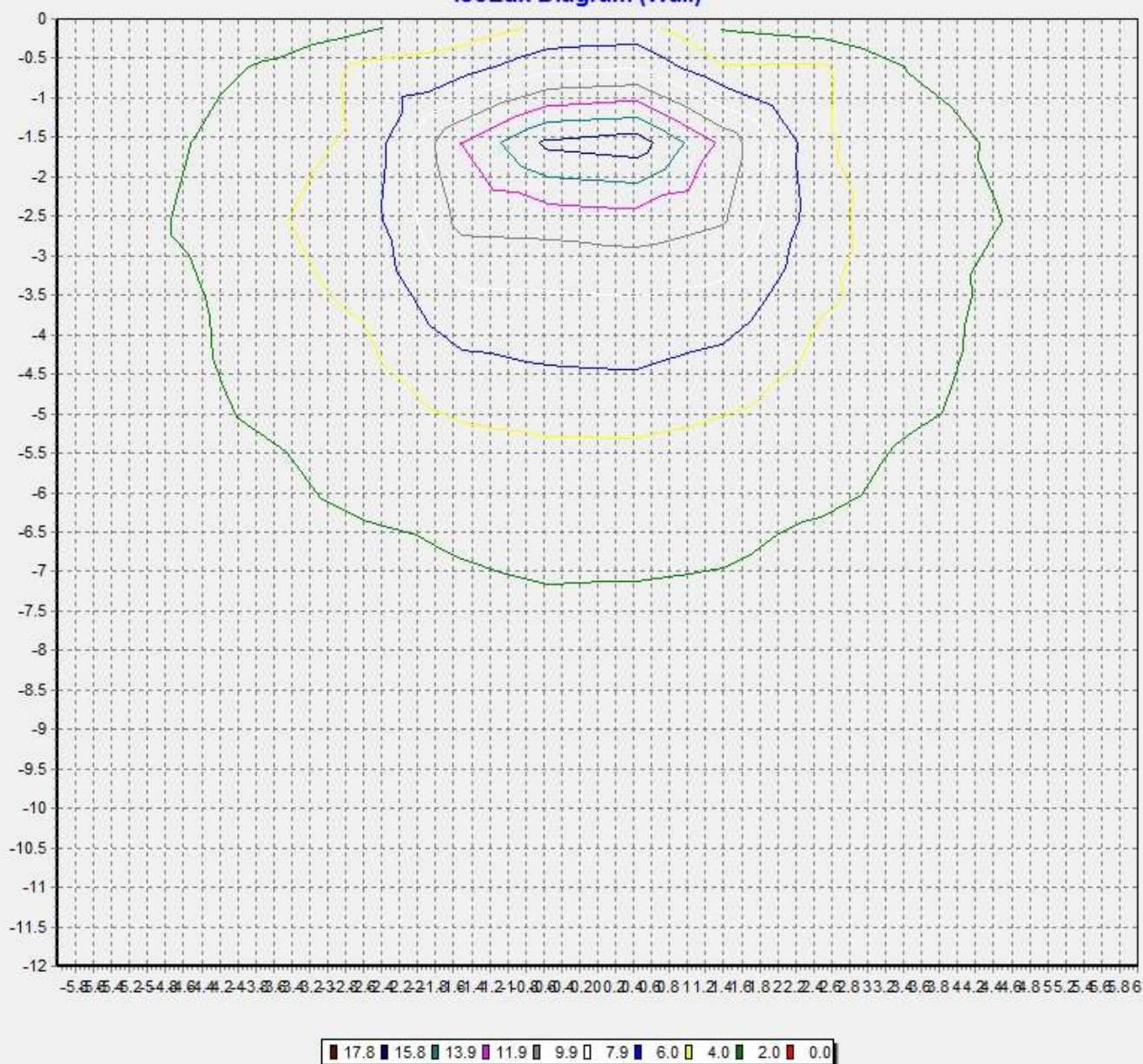
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

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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	190315
No. of lamps	1	Voltage (V)	23.95	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV24 24V-C90-Cool.jdt
Lamp flux (lm)	938	Current (A)	0.481	Operator	CGR
Total flux (lm)	938	Power Factor	1	Date	2019-03-15 오후 2:29:27

Illuminance Levels (Ground)

6.00	0.45	0.61	0.49	0.63	0.79	0.99	0.97	0.96	0.90	0.74	0.56	0.67	0.51
5.00	0.57	0.52	0.76	1.08	2.04	2.57	2.62	2.53	2.26	1.19	0.86	0.61	0.66
4.00	0.46	0.72	1.76	2.60	2.56	3.53	3.73	3.52	2.87	2.81	1.93	0.86	0.56
3.00	0.62	1.00	2.47	3.07	6.54	6.98	8.09	7.67	6.90	3.36	2.83	1.19	0.74
2.00	0.77	2.00	2.54	6.25	9.17	14.76	18.08	16.02	10.00	7.02	2.87	2.26	0.91
1.00	0.81	2.22	3.01	6.82	14.68	27.63	38.23	28.98	16.06	7.70	3.55	2.57	0.99
0.00	0.83	2.31	3.19	7.27	16.99	37.63	47.37	38.75	19.12	8.70	3.99	2.82	1.08
-1.00	0.84	2.26	3.03	6.35	13.82	26.39	37.69	27.01	14.82	7.07	3.56	2.61	1.01
-2.00	0.69	1.83	2.26	6.03	8.40	13.79	17.06	14.66	8.85	6.71	2.59	2.06	0.82
-3.00	0.56	0.91	2.31	2.67	5.97	6.34	7.48	6.79	6.15	2.94	2.65	1.12	0.65
-4.00	0.43	0.66	1.56	2.32	2.27	3.03	3.40	3.03	2.56	2.44	1.69	0.80	0.52
-5.00	0.52	0.46	0.66	0.92	1.84	2.23	2.41	2.21	2.00	0.97	0.70	0.50	0.62
-6.00	0.39	0.53	0.42	0.56	0.69	0.81	0.87	0.80	0.76	0.63	0.44	0.57	0.44
-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.): 47.4

All illuminance level values are in lux.

Illum. (Min.): 0.39

Illum. Avg.: 5.15

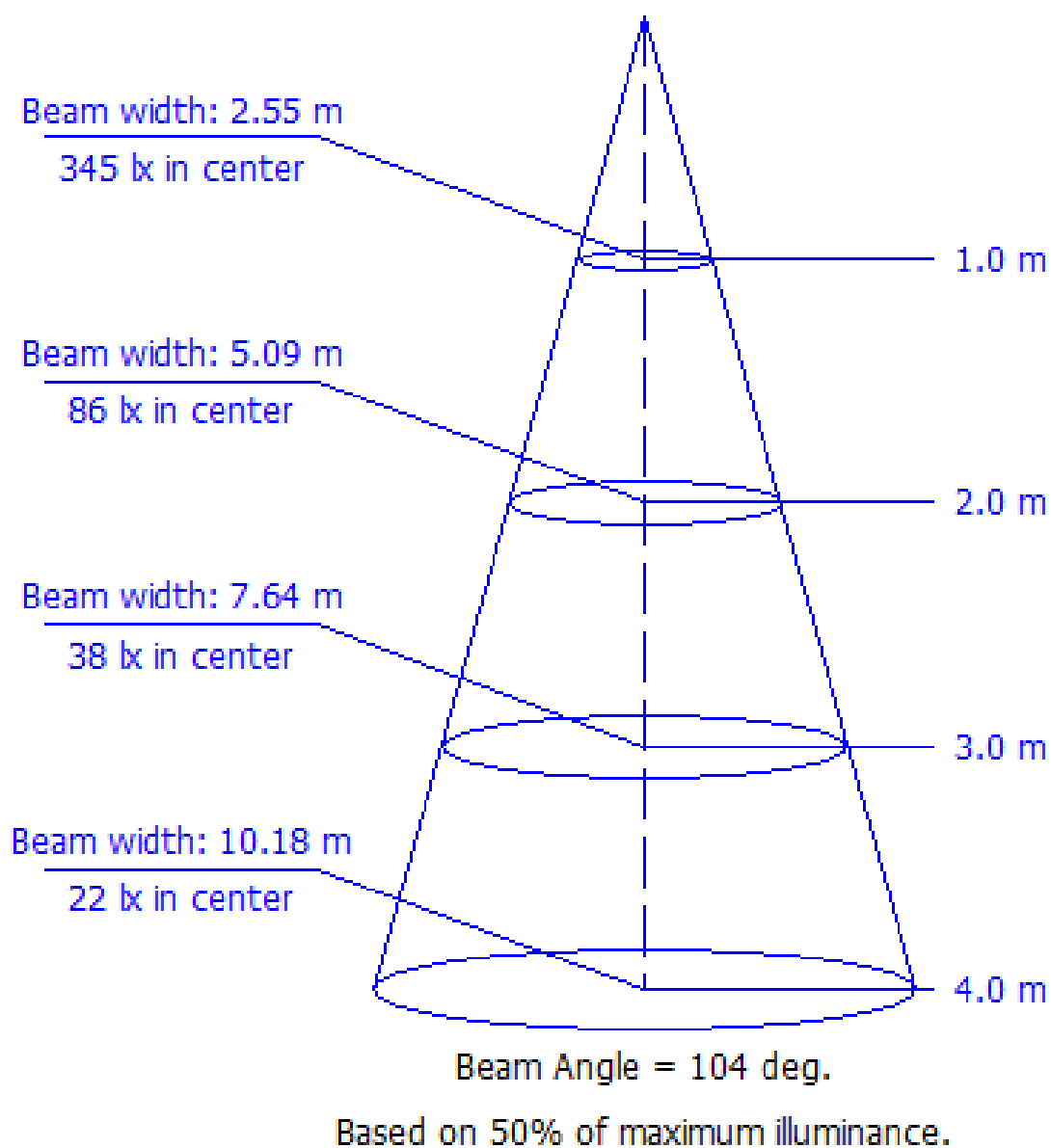
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



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Coefficient of Utilization

Refl. Ceiling (%)	80%	80%	80%	70%	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	