

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 DDV18 24V-C90-WC

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		0.3870, 0.3720	
Correlated Color Temperature	K	3802	
Ra	-	95.3	
Power Factor	%	1.000	
Input Voltage	V	23.920	
Input Current	A	0.714	
Input Watt	W	17.09	
Lamp Flux	lm	1347.3	
Efficient	lm/W	78.89	
Illuminance	lx	560	1 m
		140	2 m
		62	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 DDV18 24V-C90-WC.jdt

Lamp flux (lm)

1347 Operator

Current (A)

0.714

CGR

Total flux (lm)

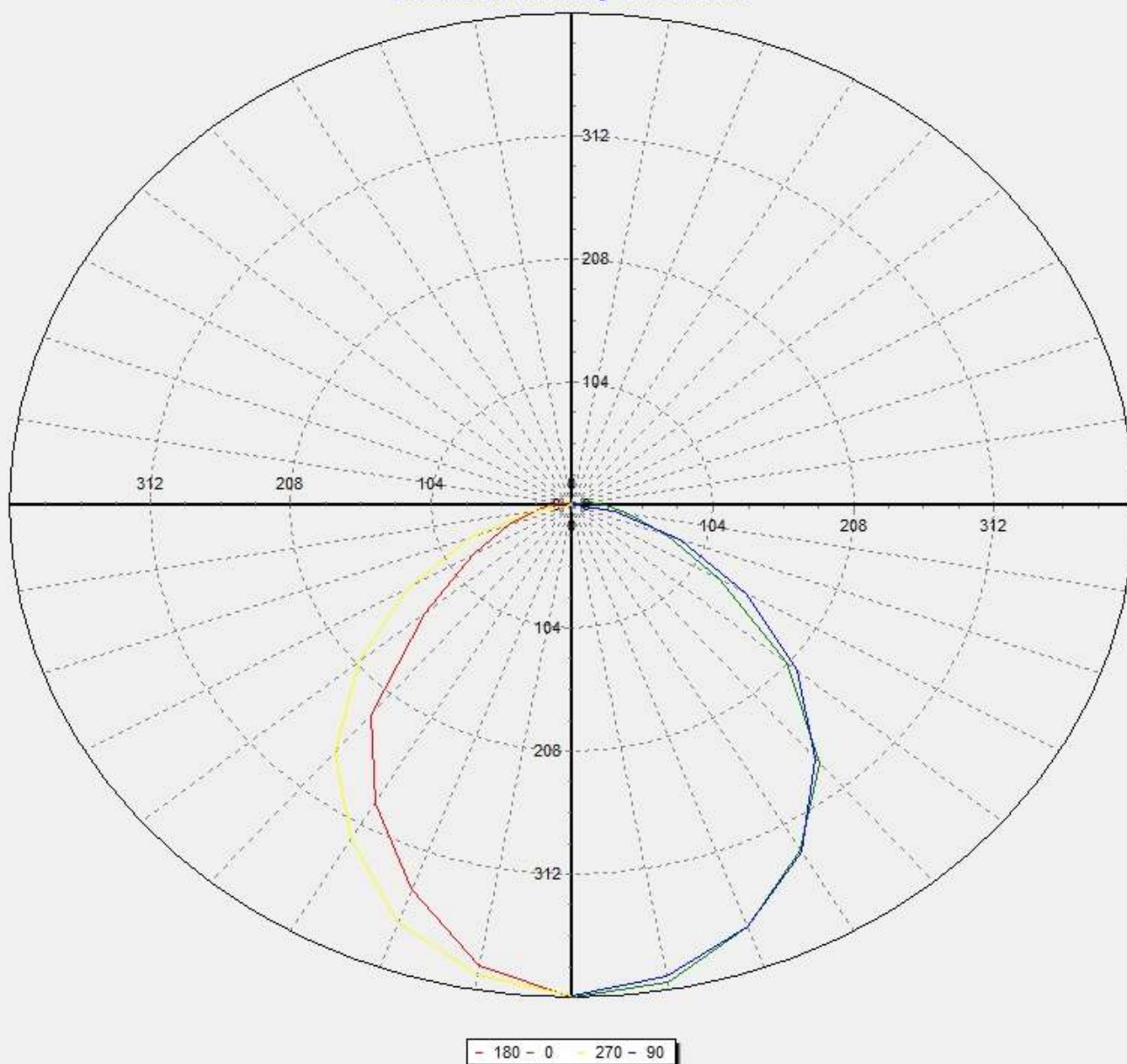
1347 Date

Power Factor

1

2019-03-15 오후 2:08:47

Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

190315

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1347 Operator

Current (A)

0.714

CGR

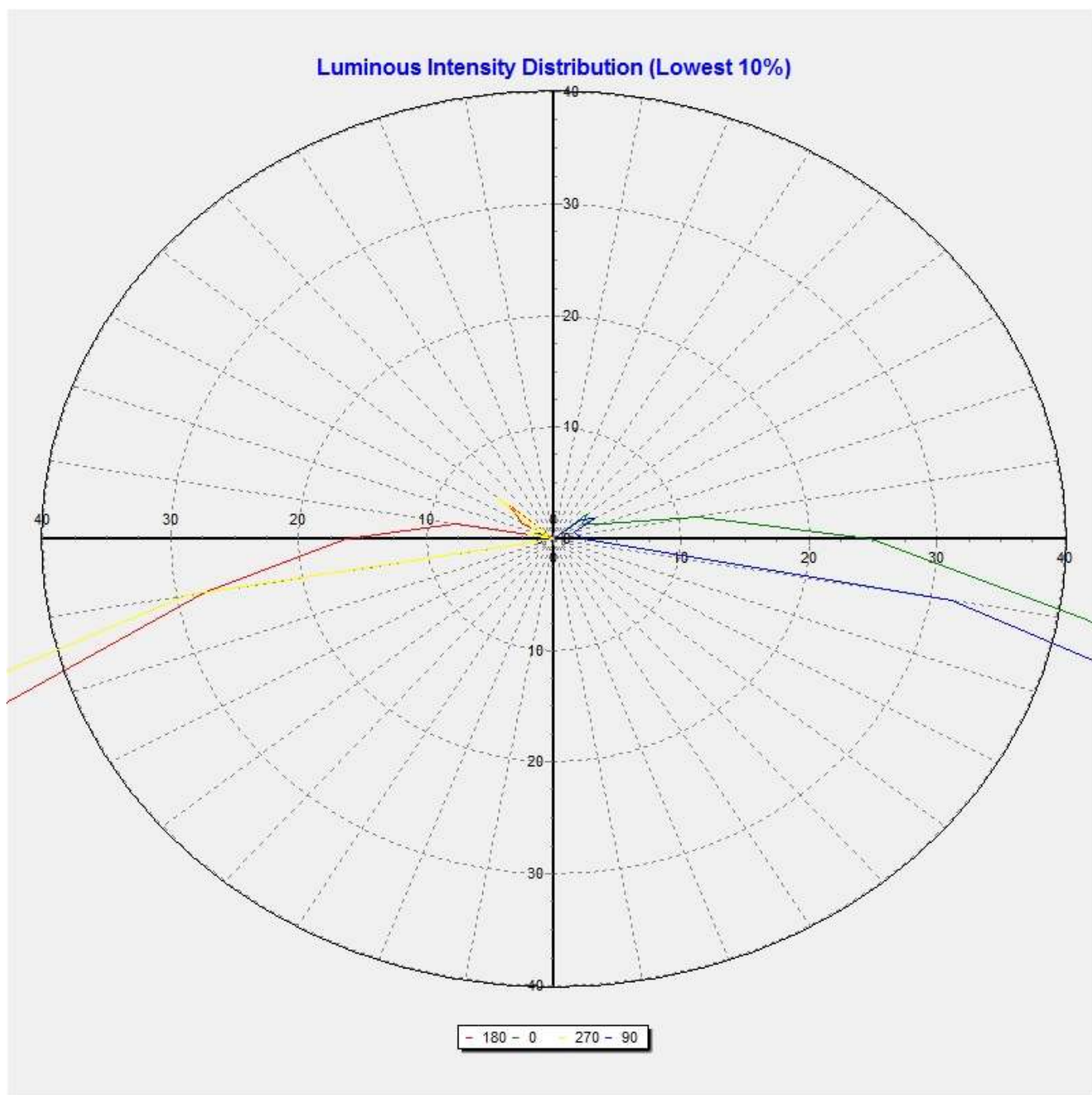
Total flux (lm)

1347 Date

Power Factor

1

2019-03-15 오후 2:08:47



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report			190315
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV18 24V-C90-WC.jdt			
Lamp flux (lm)	1347	Operator	Current (A)	0.714
Total flux (lm)	1347	Date	Power Factor	1
				2019-03-15 오후 2:08:47

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	560.14	558.88	555.58	557.76	554.67	552.57	560.14	558.88	555.58	557.76	554.67	552.57	560.14
10	551.94	547.67	549.56	544.66	541.86	537.72	533.03	536.60	536.46	542.49	544.59	543.82	551.94
20	509.92	508.86	514.75	510.90	498.43	481.06	465.44	472.30	493.03	505.29	505.85	498.36	509.92
30	452.69	453.18	454.44	455.77	428.24	398.96	391.47	394.83	420.89	440.43	440.36	442.67	452.69
40	383.41	381.45	375.99	377.04	340.41	325.70	311.62	319.60	329.20	367.58	359.95	371.51	383.41
50	278.56	286.40	289.62	291.58	253.62	232.82	191.63	214.96	243.95	276.81	276.39	273.65	278.56
60	169.01	176.29	200.53	200.60	173.14	134.75	113.46	127.54	160.60	190.09	186.80	164.73	169.01
70	100.57	100.99	114.93	114.09	95.95	77.04	66.74	73.40	87.19	105.97	104.64	95.32	100.57
80	57.35	59.53	57.35	42.65	42.79	44.47	37.32	43.35	37.04	39.21	48.39	53.29	57.35
90	33.47	29.76	19.18	3.14	16.80	22.96	21.84	18.90	11.48	-2.18	16.52	28.43	33.47
100	15.54	11.34	4.26	2.44	1.32	6.85	10.56	5.52	4.33	2.72	3.07	10.35	15.54
110	5.38	5.94	4.68	2.23	4.75	3.98	0.41	3.77	5.17	0.76	2.79	3.42	5.38
120	3.49	2.23	4.61	5.03	5.31	1.60	3.77	2.93	0.62	2.44	4.68	3.84	3.49
130	4.54	3.35	4.26	3.70	2.72	5.52	6.08	4.75	5.59	7.76	4.82	5.45	4.54

Luminaire

Lamp	Report	190315
No. of lamps	1	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV18 24V-C90-WC.jdt
Lamp flux (lm)	1347	Operator Current (A) 0.714 CGR
Total flux (lm)	1347	Date Power Factor 1 2019-03-15 오후 2:08:47

Luminous Flux Table

Total Lamp Lumens: 1347
 Luminaire Efficiency (lm/W): 1347.32
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	13.31	13.31	0.99	0.99
10	103.18	116.49	8.65	8.65
20	186.18	302.67	22.46	22.46
30	236.11	538.78	39.99	39.99
40	248.95	787.73	58.47	58.47
50	217.44	1005.17	74.61	74.60
60	157.89	1163.06	86.32	86.32
70	97.50	1260.56	93.56	93.56
80	50.58	1311.14	97.32	97.31
90	20.11	1331.24	98.81	98.81
100	7.04	1338.28	99.33	99.33
110	3.71	1341.99	99.61	99.60
120	3.21	1345.20	99.84	99.84
130	2.12	1347.32	100.00	100.00

Luminaire

Lamp

Report

190315

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1347 Operator

Current (A)

0.714

CGR

Total flux (lm)

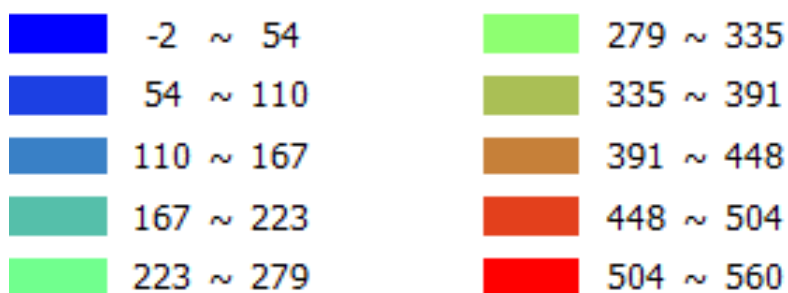
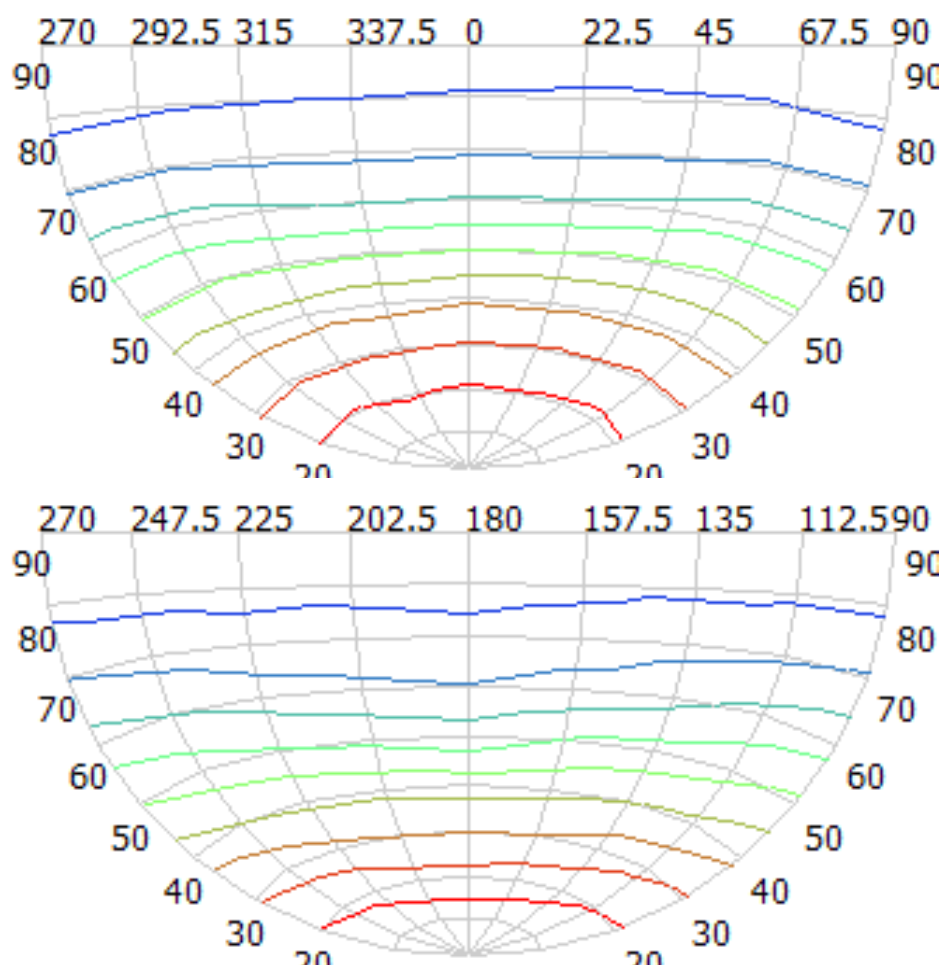
1347 Date

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IsoCandela (Type C)



Luminaire

Lamp

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Lamp flux (lm)

1347 Operator

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0.714

CGR

Total flux (lm)

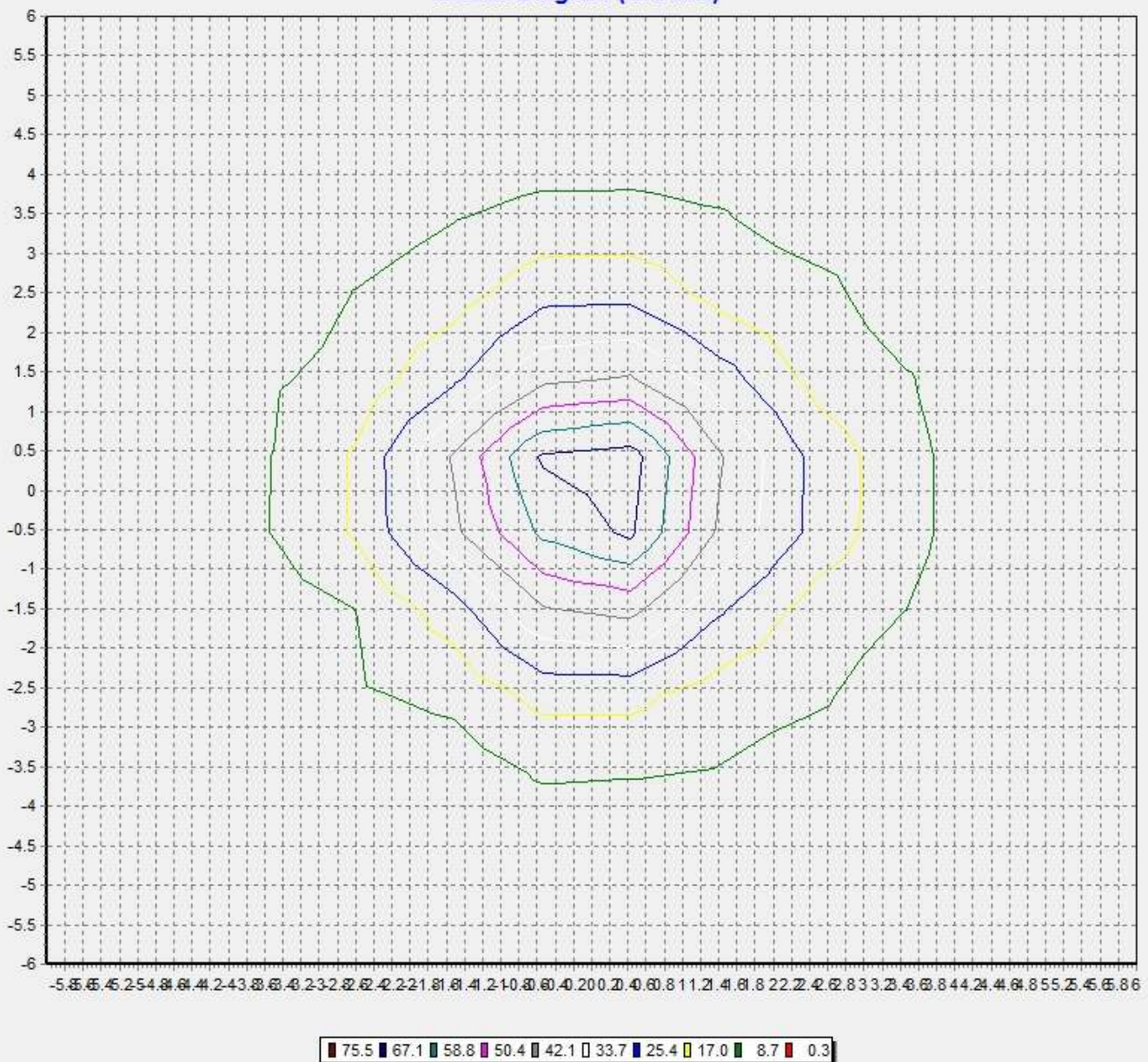
1347 Date

Power Factor

1

2019-03-15 오후 2:08:47

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp

Report

190315

No. of lamps

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CGR

Total flux (lm)

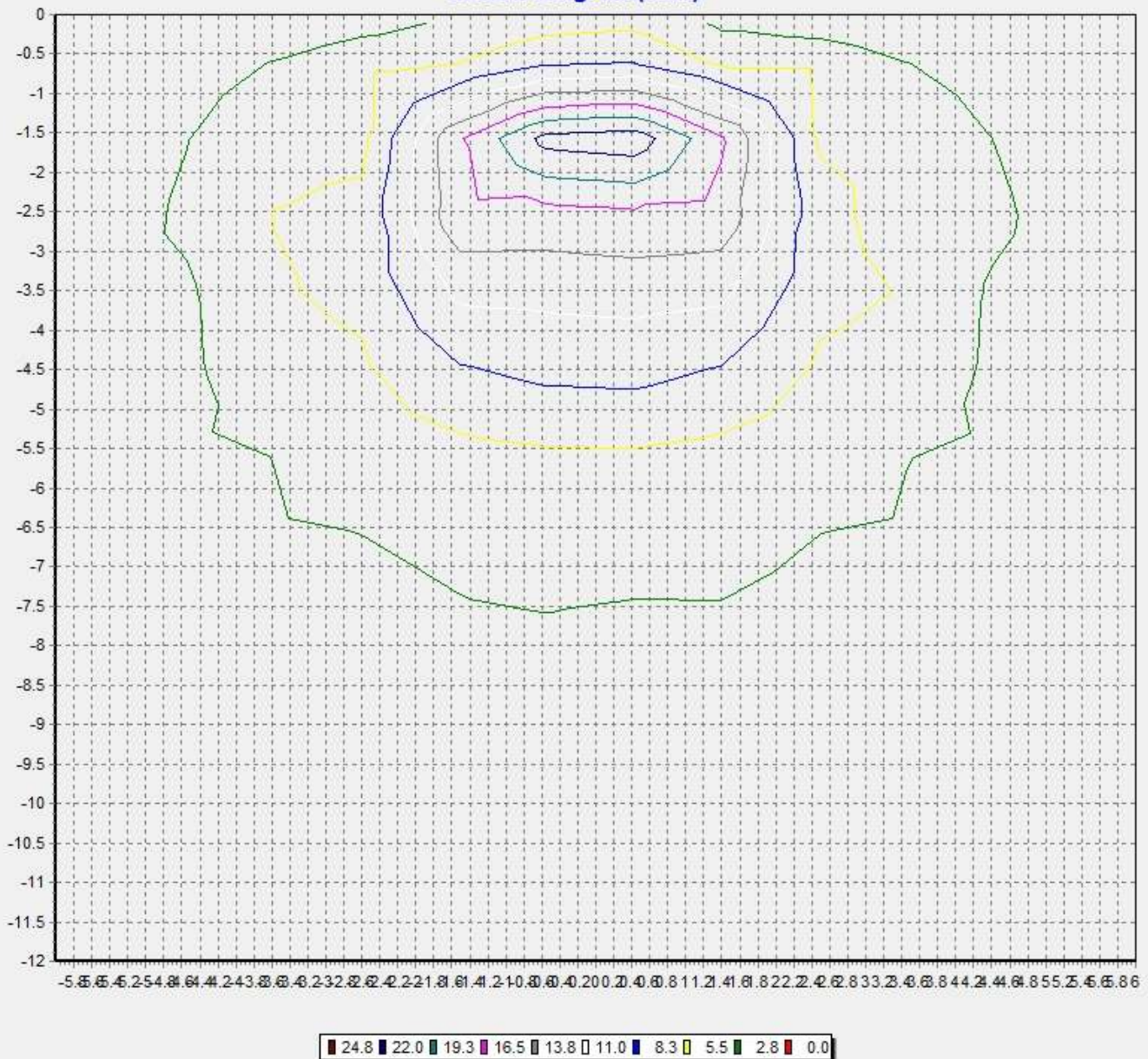
1347 Date

Power Factor

1

2019-03-15 오후 2:08:47

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) 23.92

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV18 24V-C90-WC.jdt

Lamp flux (lm) 1347 Current (A) 0.714

Operator CGR

Total flux (lm) 1347 Power Factor 1

Date 2019-03-15 오후 2:08:47

Illuminance Levels (Ground)

6.00	0.64	0.88	0.69	0.81	1.06	1.36	1.43	1.36	1.09	0.84	0.70	0.88	0.60
5.00	0.68	0.70	1.07	1.58	2.91	3.82	4.07	3.82	3.11	1.59	1.08	0.67	0.79
4.00	0.49	0.81	2.57	3.95	3.51	5.18	5.70	5.18	3.62	4.03	2.56	0.97	0.62
3.00	0.77	1.08	3.27	4.42	10.20	10.23	12.67	10.97	10.31	4.24	3.86	1.36	0.82
2.00	0.92	2.71	3.37	8.81	13.74	21.80	28.78	24.03	14.41	10.35	3.56	3.05	1.03
1.00	0.82	2.66	3.42	9.39	21.43	43.55	61.49	44.46	24.08	10.82	4.55	3.55	1.14
0.00	0.82	2.63	3.48	8.85	24.15	60.05	76.84	62.28	29.00	12.29	5.12	3.84	1.23
-1.00	0.87	2.79	3.46	7.94	20.15	39.19	61.23	43.46	22.82	10.50	4.56	3.57	1.15
-2.00	0.72	2.22	2.57	8.13	11.04	20.28	27.96	22.80	13.94	10.03	3.68	3.01	1.04
-3.00	0.59	0.91	2.71	2.99	8.87	8.67	12.11	10.55	9.99	4.46	3.79	1.32	0.85
-4.00	0.41	0.67	1.82	3.29	2.67	4.59	5.40	4.55	3.73	3.86	2.60	0.96	0.59
-5.00	0.54	0.46	0.83	1.24	2.39	3.46	3.87	3.35	3.05	1.49	1.04	0.70	0.79
-6.00	0.42	0.69	0.53	0.61	0.81	1.21	1.34	1.13	1.09	0.86	0.65	0.87	0.65
-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.): 76.8

All illuminance level values are in lux.

Illum. (Min.): 0.41

Illum. Avg.: 7.67

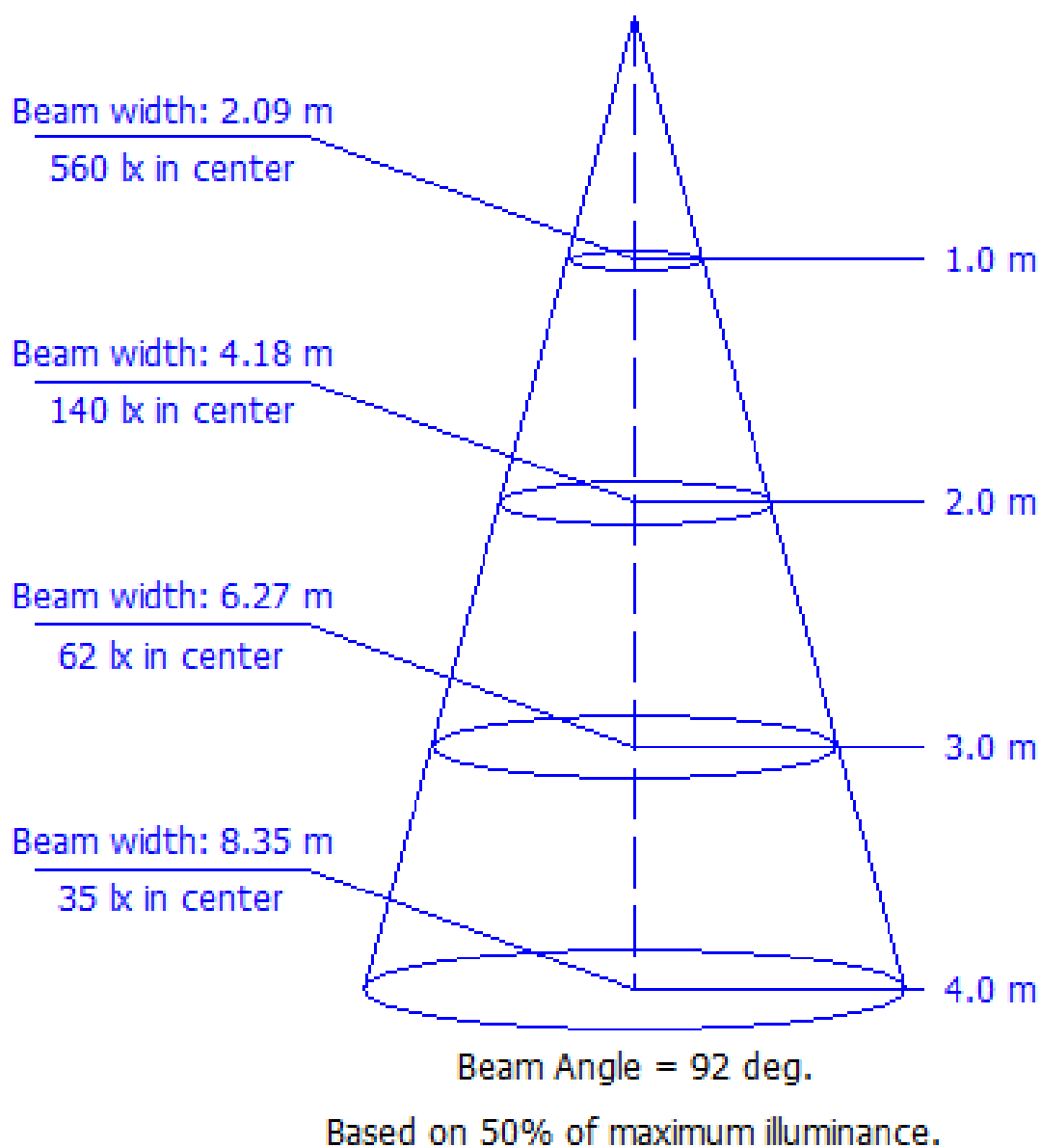
Total Optical Solution Provider


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

Luminaire

Lamp	Report				190315
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV18 24V-C90-WC.jdt				
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Illuminance Cone Diagram



Luminaire

Lamp

Report

190315

No. of lamps	1	Voltage (V)	23.92	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190315 DDV18 24V-C90-WC.jdt
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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