

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 : 190415

2. Purpose of Report :

3. Test Standard / Item : LED / 190415 LS50 2.7-40K-900mA-30

4. Test Period : 190415 ~ 190415

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
190415	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3800, 0.3853	
Correlated Color Temperature	K	4075	
Ra	-	96.82	
Power Factor	%	1.000	
Input Voltage	V	3.330	
Input Current	A	0.898	
Input Watt	W	2.99	
Lamp Flux	lm	206.4	
Efficient	lm/W	69.02	
Illuminance	lx	624	1 m
		156	2 m
		69	3 m

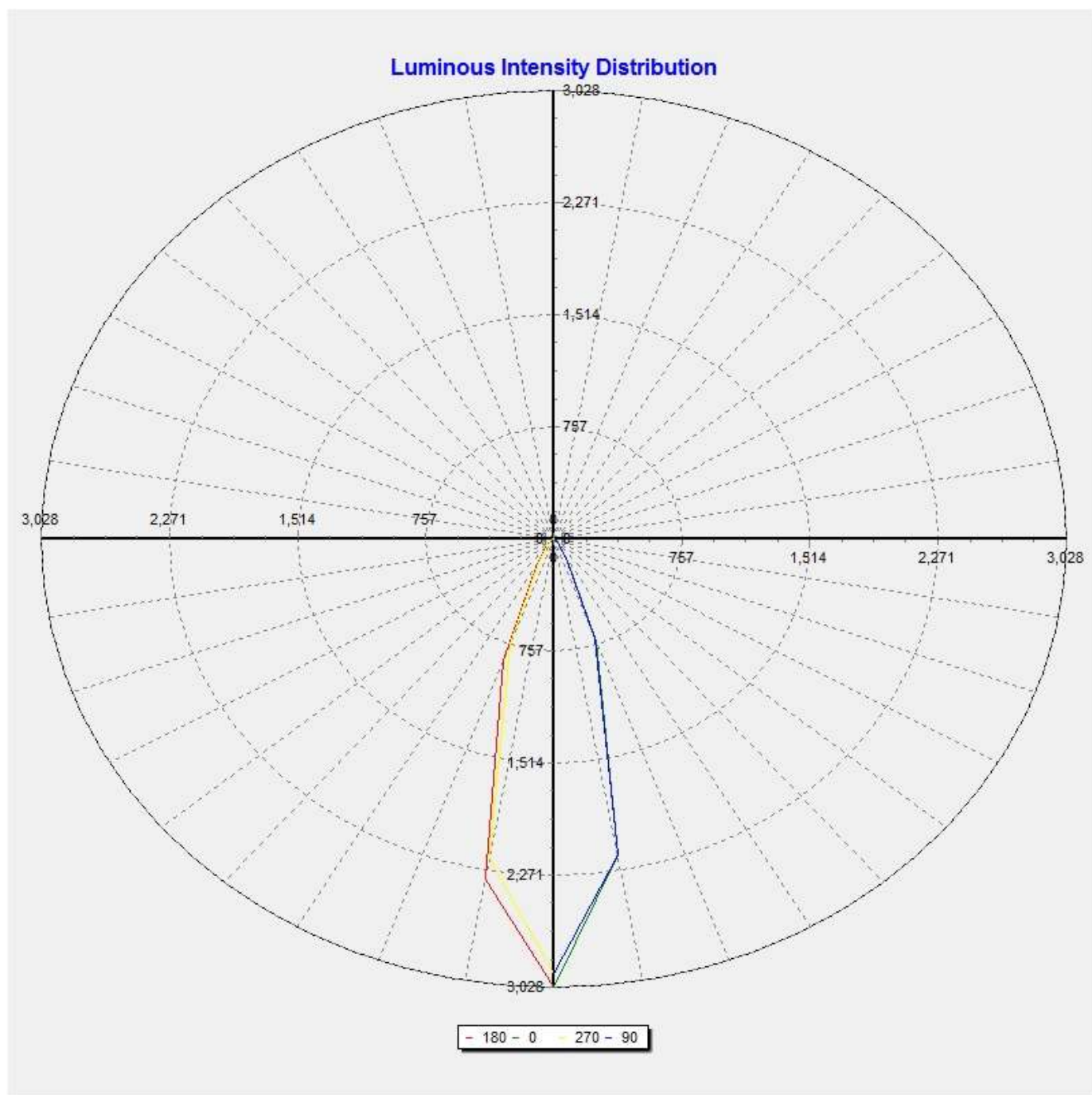
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

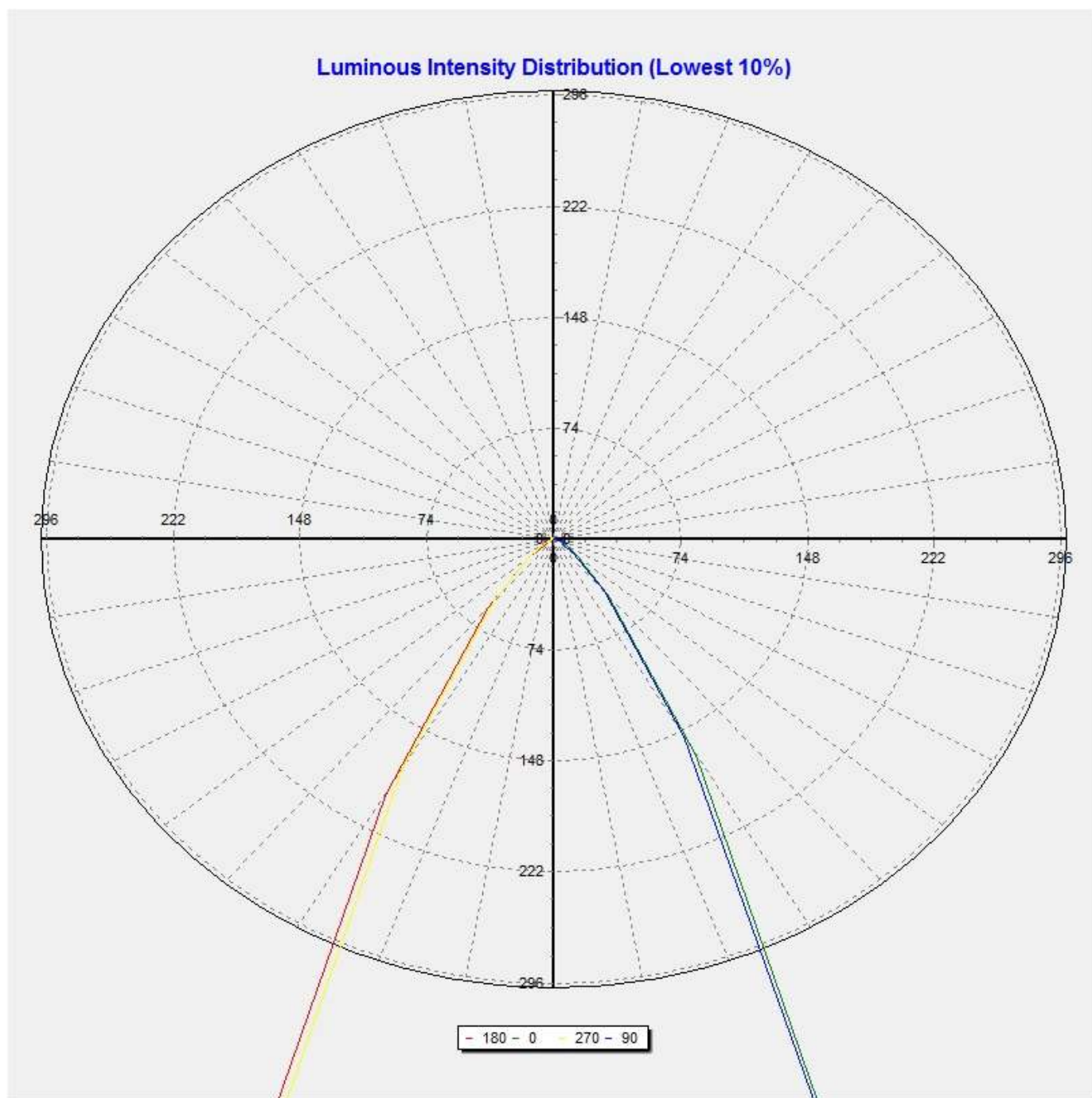
Lamp	Report	190415
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LS50 2.7-40K-900mA-30.jdt	
Lamp flux (lm)	2(Operator	Current (A) 0.898 CGR
Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 3:10:09



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	623.81	607.50	445.96	605.62	582.11	600.51	623.81	607.50	445.96	605.62	582.11	600.51	623.81
10	446.10	438.83	154.62	445.59	477.55	489.13	480.96	522.65	611.69	451.39	409.88	389.90	446.10
20	151.00	143.06	31.29	147.31	196.15	206.86	179.41	199.06	493.02	155.26	131.37	119.57	151.00
30	34.23	27.85	8.10	31.26	44.36	48.79	40.50	48.73	181.75	36.46	32.08	27.35	34.23
40	9.90	7.59	3.37	9.33	10.63	12.12	12.38	14.41	46.92	10.91	9.10	7.58	9.90
50	3.62	3.27	1.68	3.00	3.33	4.16	3.84	4.45	13.32	3.77	3.22	2.93	3.62
60	1.64	1.17	0.70	1.41	1.65	1.26	0.98	1.51	4.49	1.22	1.52	0.87	1.64
70	0.48	0.53	0.15	1.33	0.75	0.76	1.16	0.79	0.91	0.38	0.49	0.63	0.48
80	-0.05	0.19	0.34	-0.21	0.39	0.09	0.13	0.11	1.03	0.73	0.26	0.63	-0.05
90	0.37	-0.64	0.03	0.17	-0.54	0.33	0.14	0.55	0.64	-0.08	-0.04	-0.85	0.37
100	0.31	-0.14	-0.06	0.26	-0.25	-0.02	-0.20	-0.25	-0.54	0.25	-0.18	0.38	0.31
110	0.06	-0.09	0.37	-0.12	0.46	-0.58	-0.01	0.40	0.42	0.13	-0.19	0.48	0.06
120	0.37	0.13	1.03	0.10	-0.46	0.44	0.43	0.59	-0.64	0.64	0.26	-0.34	0.37
130	-0.21	0.49	0.85	0.38	0.33	0.29	0.77	0.01	-0.08	0.16	0.70	0.09	-0.21

Luminaire

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Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 3:10:09

Luminous Flux Table

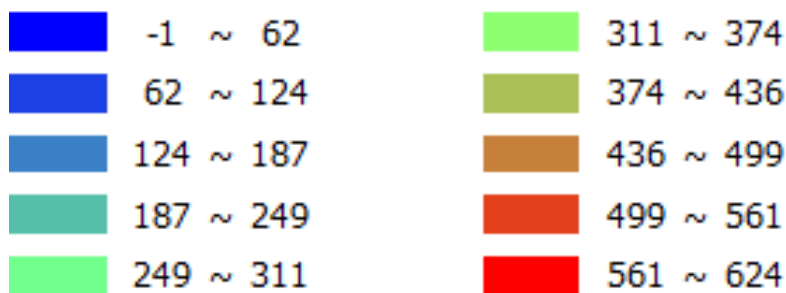
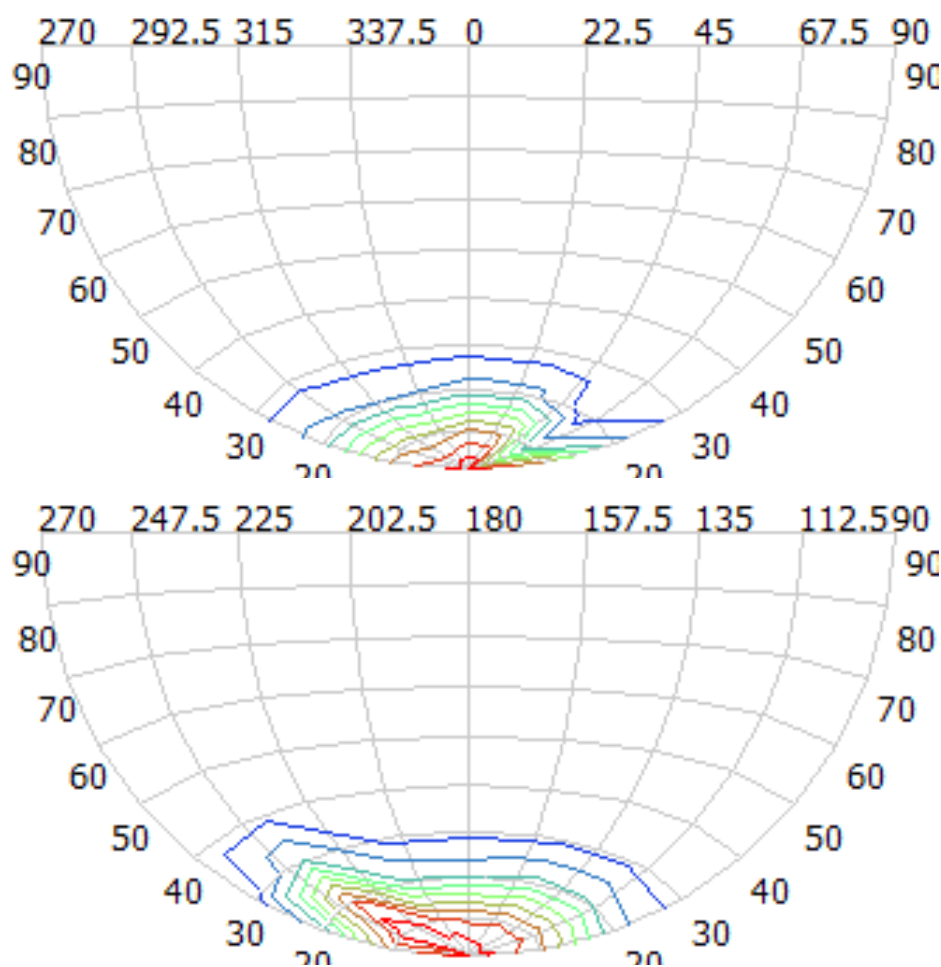
Total Lamp Lumens: 206
 Luminaire Efficiency (lm/W):206.45
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	13.81	13.81	6.69	6.69
10	84.29	98.10	47.53	47.52
20	67.22	165.32	80.10	80.08
30	25.62	190.94	92.51	92.49
40	9.05	199.99	96.89	96.87
50	3.54	203.53	98.61	98.59
60	1.46	204.98	99.31	99.29
70	0.72	205.70	99.66	99.64
80	0.33	206.03	99.82	99.80
90	0.01	206.04	99.82	99.80
100	-0.04	206.00	99.80	99.78
110	0.11	206.11	99.86	99.84
120	0.20	206.31	99.96	99.93
130	0.14	206.45	100.02	100.00

Luminaire

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Lamp flux (lm)	20Operator	Current (A) 0.898 CGR
Total flux (lm)	20Date	Power Factor 1 2019-04-15 오후 3:10:09

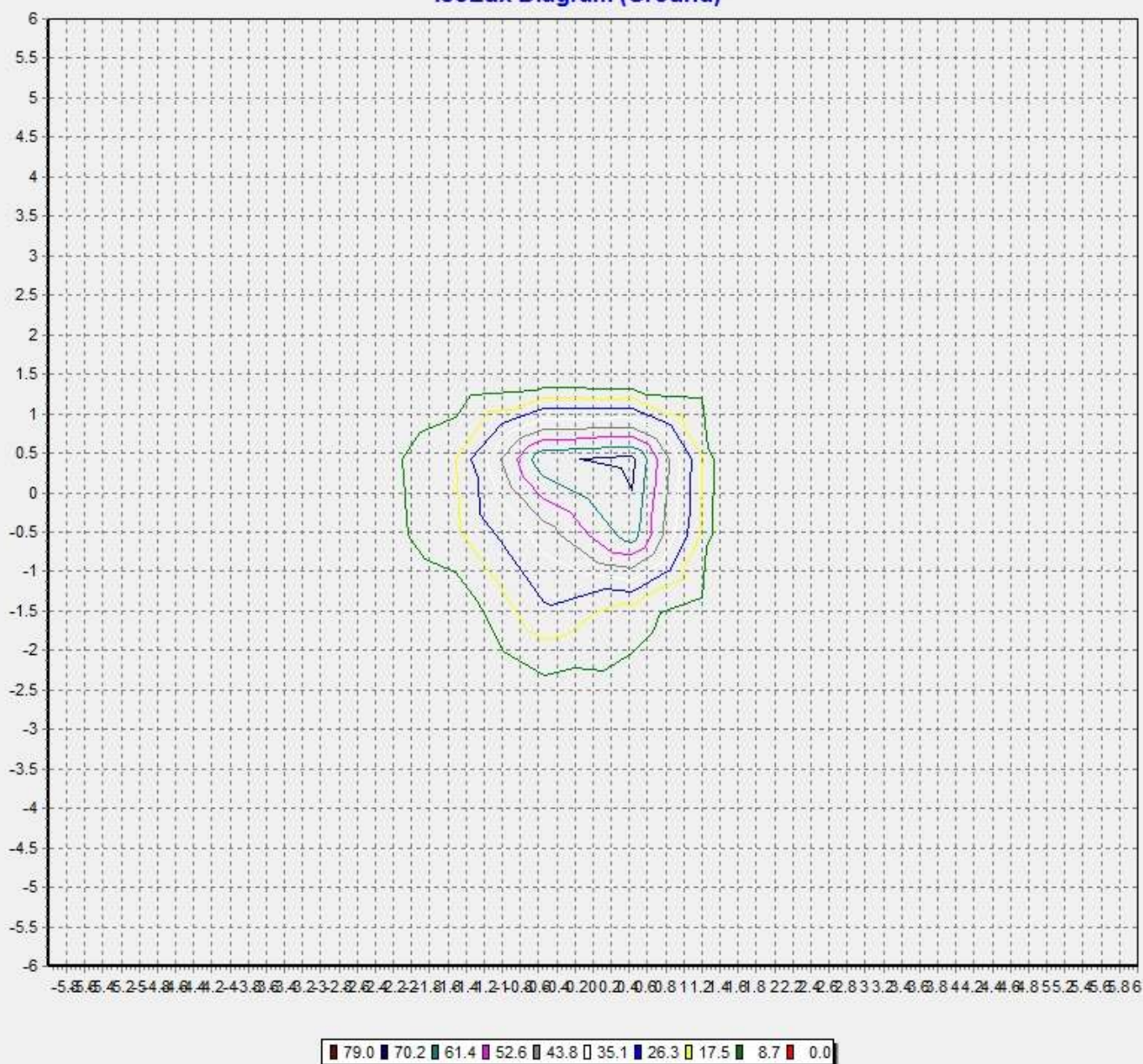
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



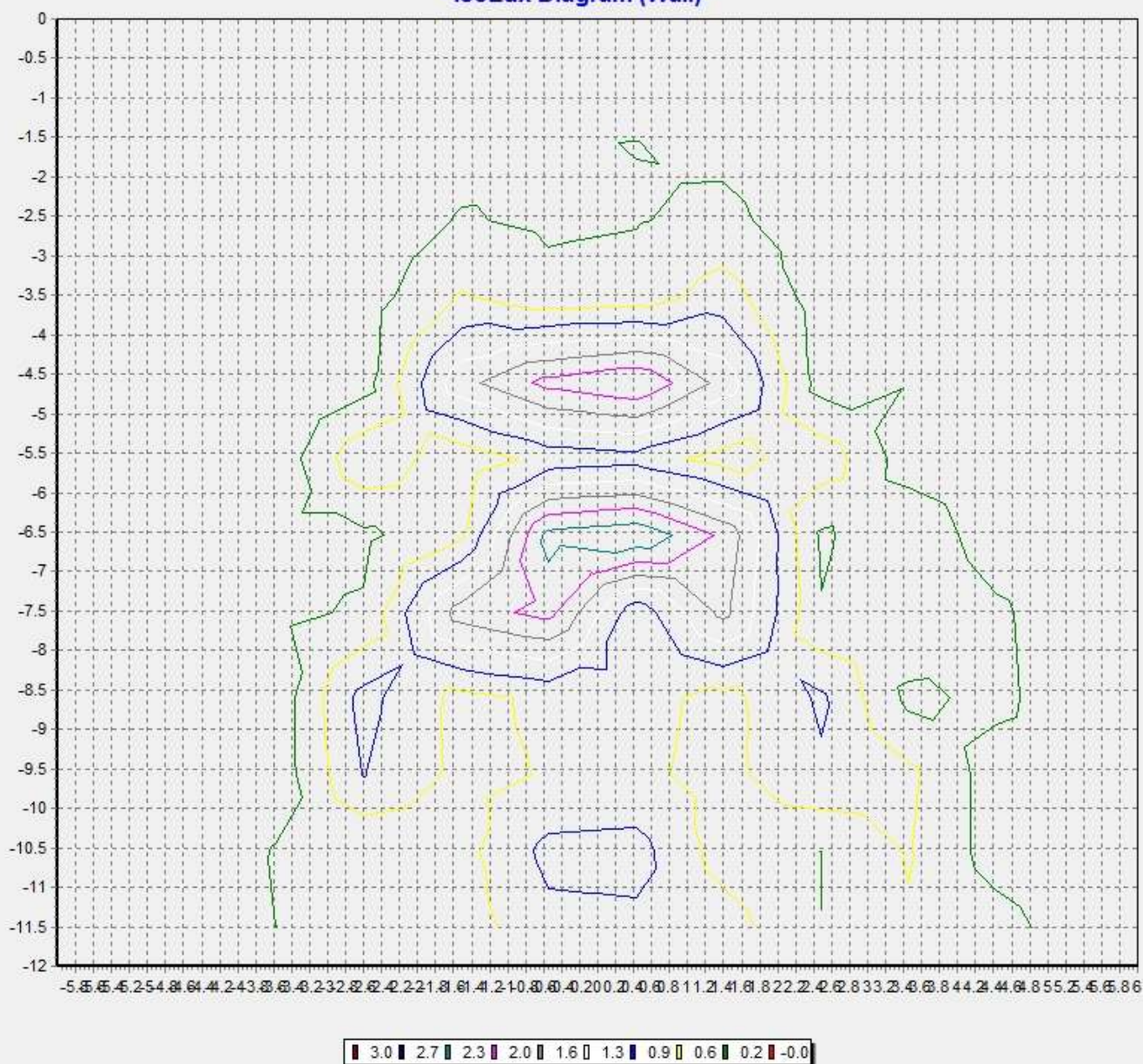
Pole Height (m): 2.7

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

190415

No. of lamps 1 Voltage (V) 3.33

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LS50 2.7-40K-900mA-30.jdt

Lamp flux (lm) 206 Current (A) 0.898

Operator CGR

Total flux (lm) 206 Power Factor 1

Date 2019-04-15 오후 3:10:09

Illuminance Levels (Ground)

6.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
5.00	0.01	0.01	0.01	0.01	0.03	0.03	0.04	0.03	0.03	0.00	0.00	0.00	0.01
4.00	0.00	0.01	0.03	0.04	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.01	0.00
3.00	0.01	0.01	0.05	0.04	0.22	0.13	0.18	0.11	0.10	0.04	0.05	0.01	0.00
2.00	0.01	0.04	0.03	0.28	0.26	0.73	1.21	0.49	0.24	0.23	0.03	0.03	0.01
1.00	0.01	0.05	0.05	0.15	0.76	6.61	49.31	5.56	0.54	0.14	0.04	0.04	0.01
0.00	0.01	0.05	0.05	0.23	1.58	53.30	85.57	49.38	1.31	0.20	0.06	0.05	0.01
-1.00	0.01	0.05	0.05	0.18	0.97	7.50	49.98	5.72	0.61	0.13	0.04	0.04	0.01
-2.00	0.01	0.04	0.03	0.29	0.34	1.24	1.41	0.64	0.27	0.18	0.03	0.03	0.01
-3.00	0.01	0.01	0.05	0.04	0.98	0.33	0.21	0.14	0.25	0.04	0.04	0.01	0.00
-4.00	0.01	0.01	0.03	0.15	0.04	0.10	0.05	0.11	0.03	0.05	0.03	0.01	0.00
-5.00	0.01	0.01	0.01	0.03	0.07	0.09	0.05	0.12	0.03	0.01	0.01	0.00	0.00
-6.00	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.01	0.00
-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.): 85.6

All illuminance level values are in lux.

Illum. (Min.): 0.00

Illum. Avg.: 1.97

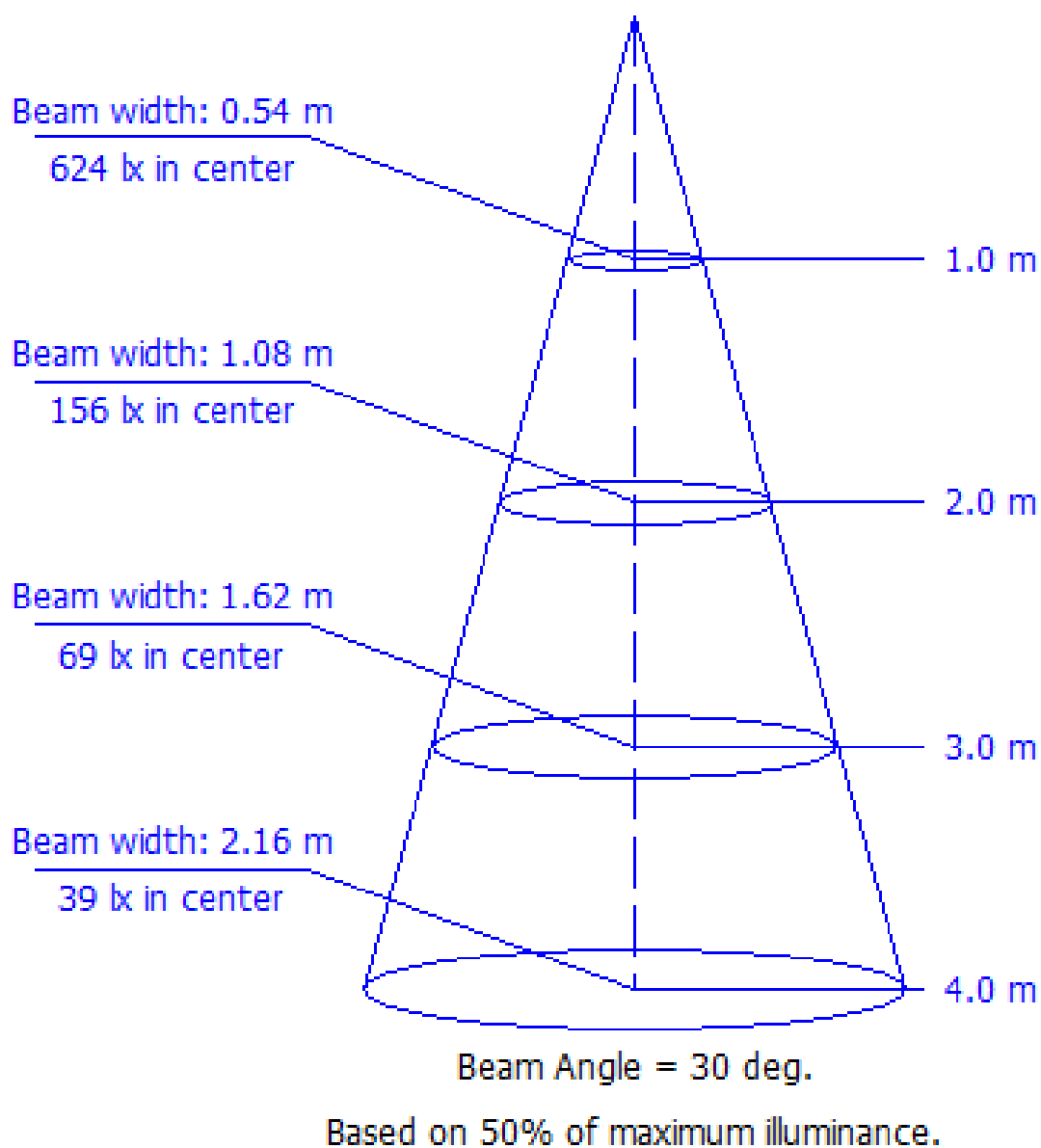
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

Report

190415

No. of lamps	1	Voltage (V)	3.33	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LS50 2.7-40K-900mA-30.jdt
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Total flux (lm)	206	Power Factor	1	Date	2019-04-15 오후 3:10:09

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