

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 : 190311

2. Purpose of Report :

3. Test Standard / Item : LED / 190311 NDV1 40K-24V-C90-1

4. Test Period : 190311 ~ 190311

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 JC.K	Technical manager JC.K
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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
190311-0001	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3849, 0.3813	
Correlated Color Temperature	K	3923	
Ra	-	93.14	
Power Factor	%	1.000	
Input Voltage	V	23.990	
Input Current	A	0.052	
Input Watt	W	1.24	
Lamp Flux	lm	78.5	
Efficient	lm/W	62.93	
Illuminance	lx	32	1 m
		8	2 m
		4	3 m

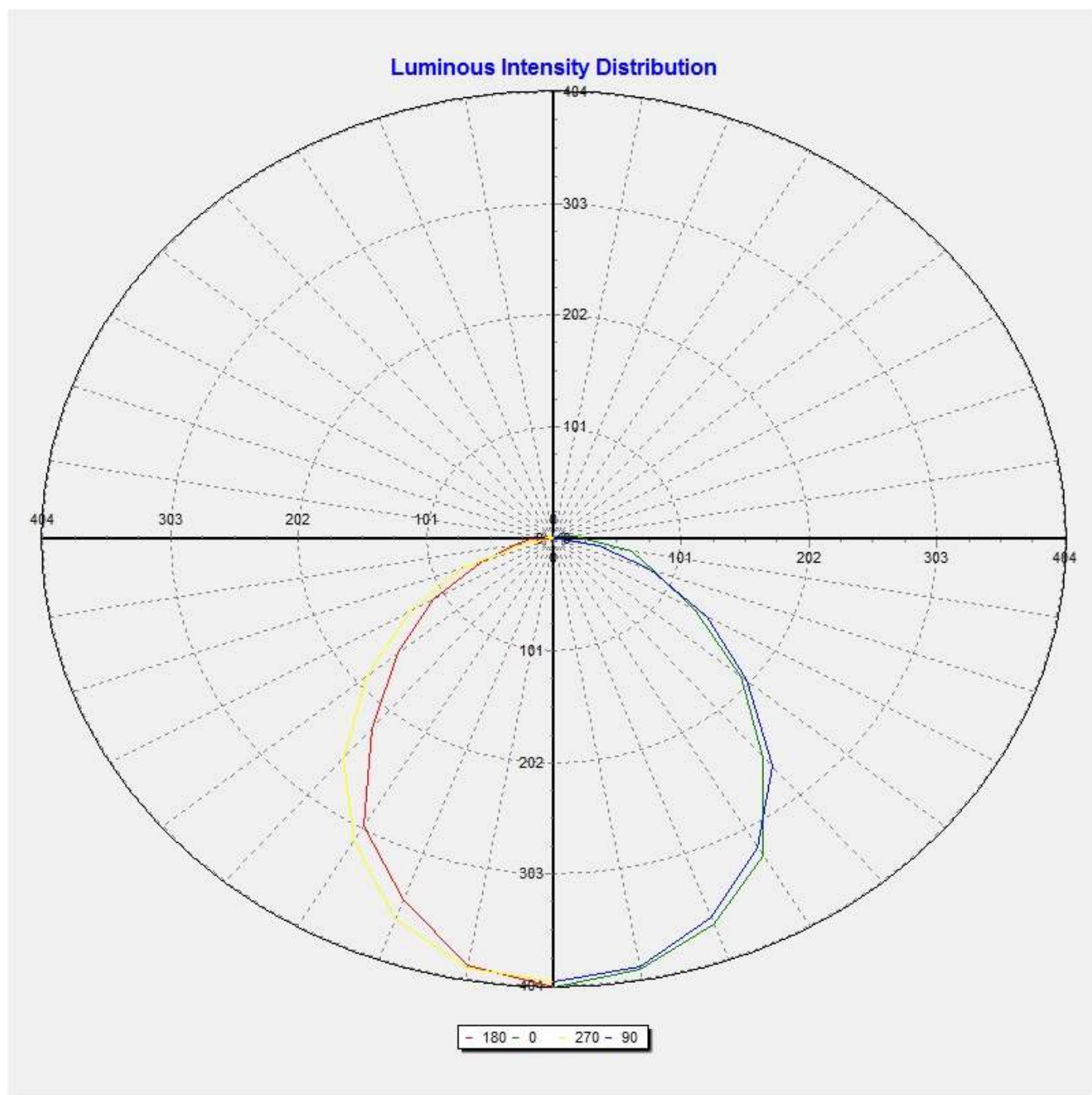
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

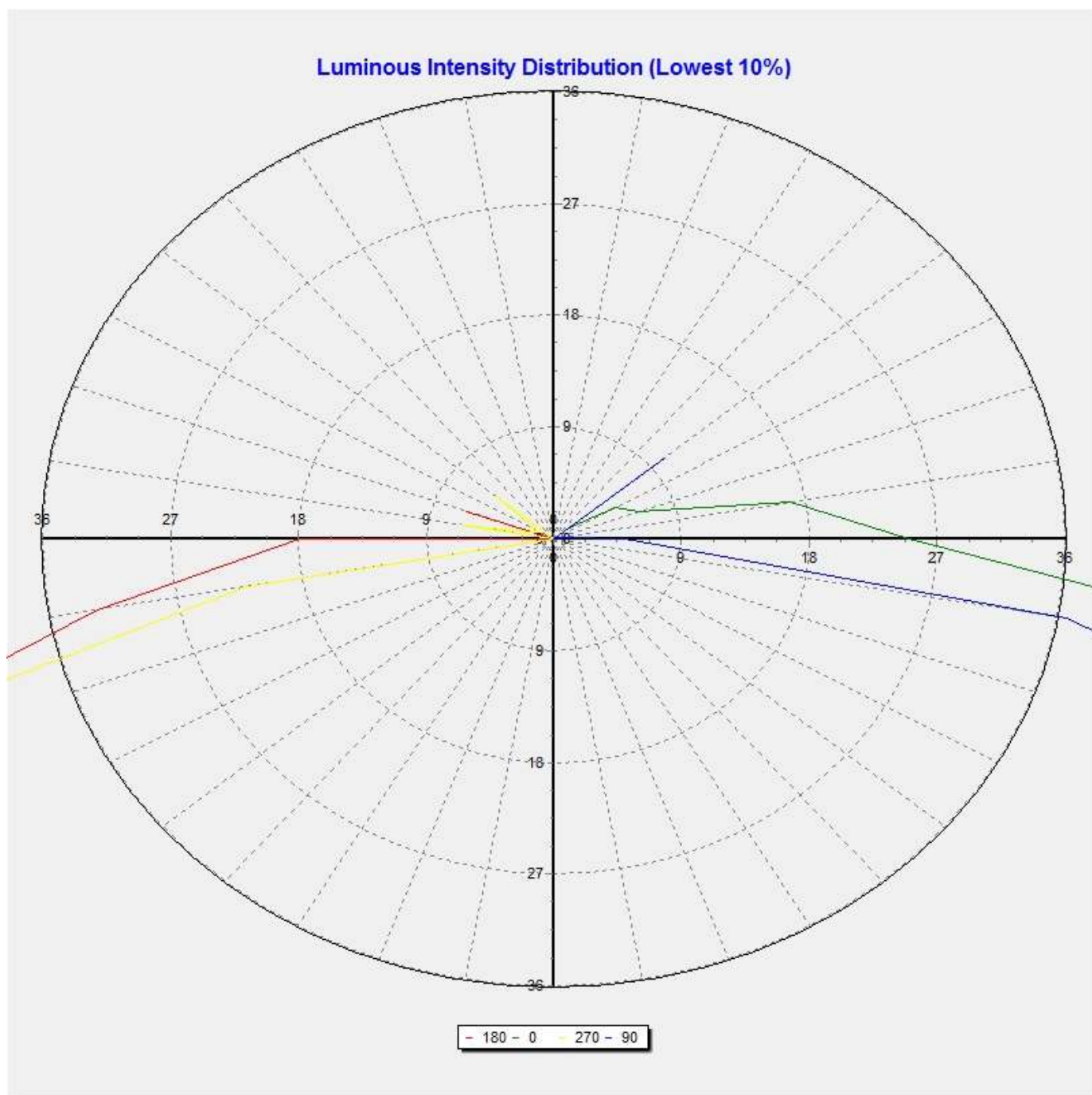
Lamp	Report			190311-0001
No. of lamps	1	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190311 NDV1 40K-24V-C90-1.jdt		
Lamp flux (lm)	79	Operator	Current (A)	0.052 JC.K
Total flux (lm)	79	Date	Power Factor	1 2019-03-11 오전 10:49:36



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	31.81	31.53	32.15	31.43	31.14	32.06	31.81	31.53	32.15	31.43	31.14	32.06	31.81
10	31.00	31.18	31.25	30.81	30.97	30.83	30.73	30.99	30.78	30.96	31.77	31.49	31.00
20	29.05	29.11	28.95	28.60	29.08	27.80	27.22	28.39	28.13	28.66	29.06	28.78	29.05
30	25.94	25.49	25.23	25.34	25.42	24.39	23.54	23.73	24.61	24.72	25.60	25.06	25.94
40	20.22	20.86	20.65	21.06	19.90	19.00	17.60	18.33	20.49	20.37	20.57	20.17	20.22
50	15.21	15.20	16.02	15.61	14.87	14.08	12.58	13.20	13.93	15.21	15.69	15.23	15.21
60	10.18	10.85	11.58	10.99	10.52	8.94	8.61	9.26	9.87	10.27	10.53	10.10	10.18
70	6.69	6.85	6.37	6.30	5.92	5.03	4.78	5.39	5.41	6.11	6.40	5.92	6.69
80	4.92	4.10	3.02	2.88	2.56	2.72	2.56	2.65	2.32	1.73	2.76	3.86	4.92
90	1.97	2.40	1.84	0.39	0.84	0.95	1.41	1.57	0.42	-0.42	1.38	1.21	1.97
100	1.33	1.03	0.48	0.05	0.19	-0.11	-0.07	0.68	0.01	0.51	0.70	0.68	1.33
110	0.50	0.32	-0.04	-0.07	-0.06	0.44	0.52	0.02	-0.18	0.13	0.30	0.06	0.50
120	0.39	0.25	0.07	-0.08	0.45	0.35	-0.03	0.12	-0.38	0.10	0.34	-0.04	0.39
130	0.11	-0.05	0.13	0.79	0.24	-0.18	-0.11	0.80	0.21	0.41	-0.28	0.28	0.11

Luminaire

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Luminous Flux Table

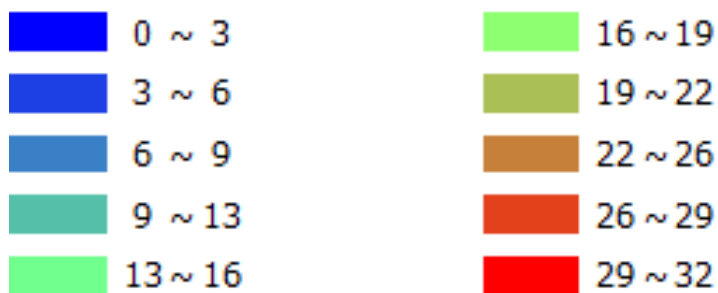
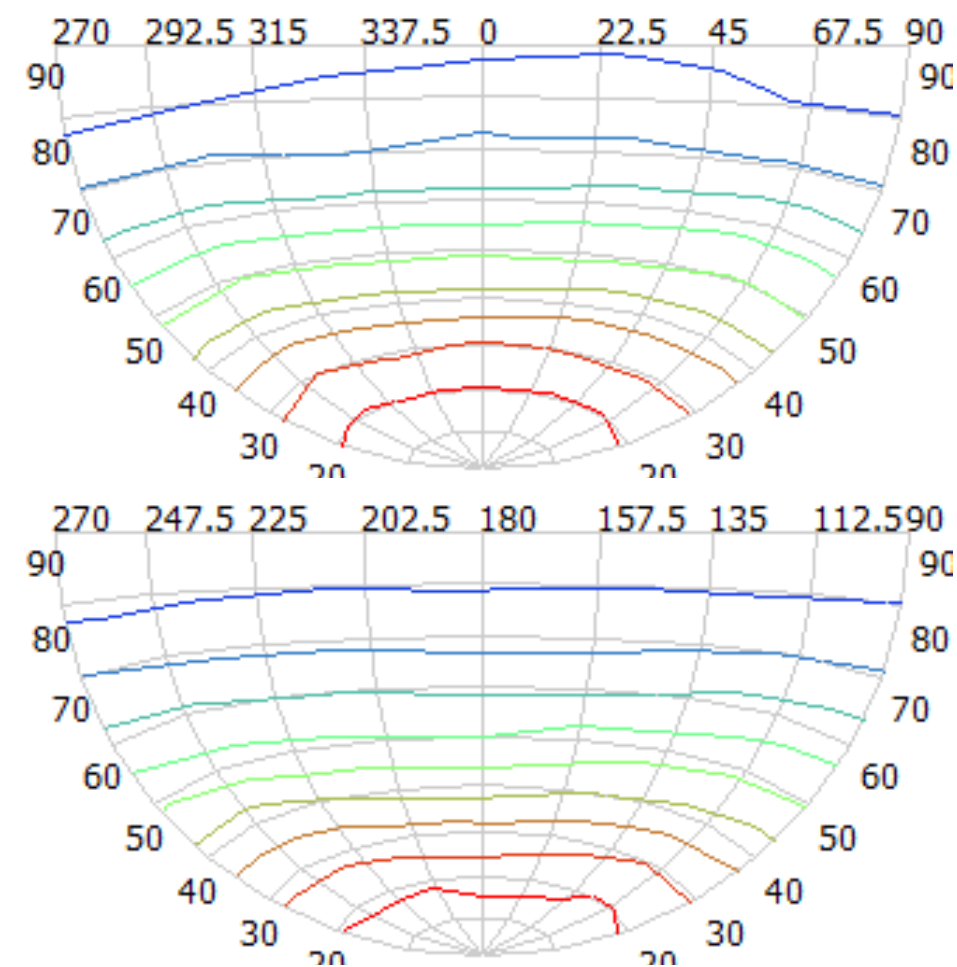
Total Lamp Lumens: 78.5
 Luminaire Efficiency (lm/W): 78.52
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.76	0.76	0.97	0.96
10	5.91	6.67	8.49	8.49
20	10.70	17.37	22.12	22.12
30	13.65	31.02	39.51	39.50
40	14.03	45.05	57.39	57.37
50	12.36	57.42	73.14	73.12
60	9.62	67.03	85.39	85.37
70	6.10	73.14	93.17	93.14
80	3.24	76.38	97.30	97.28
90	1.27	77.66	98.93	98.90
100	0.49	78.15	99.55	99.52
110	0.17	78.32	99.77	99.74
120	0.12	78.44	99.92	99.89
130	0.09	78.52	100.03	100.00

Luminaire

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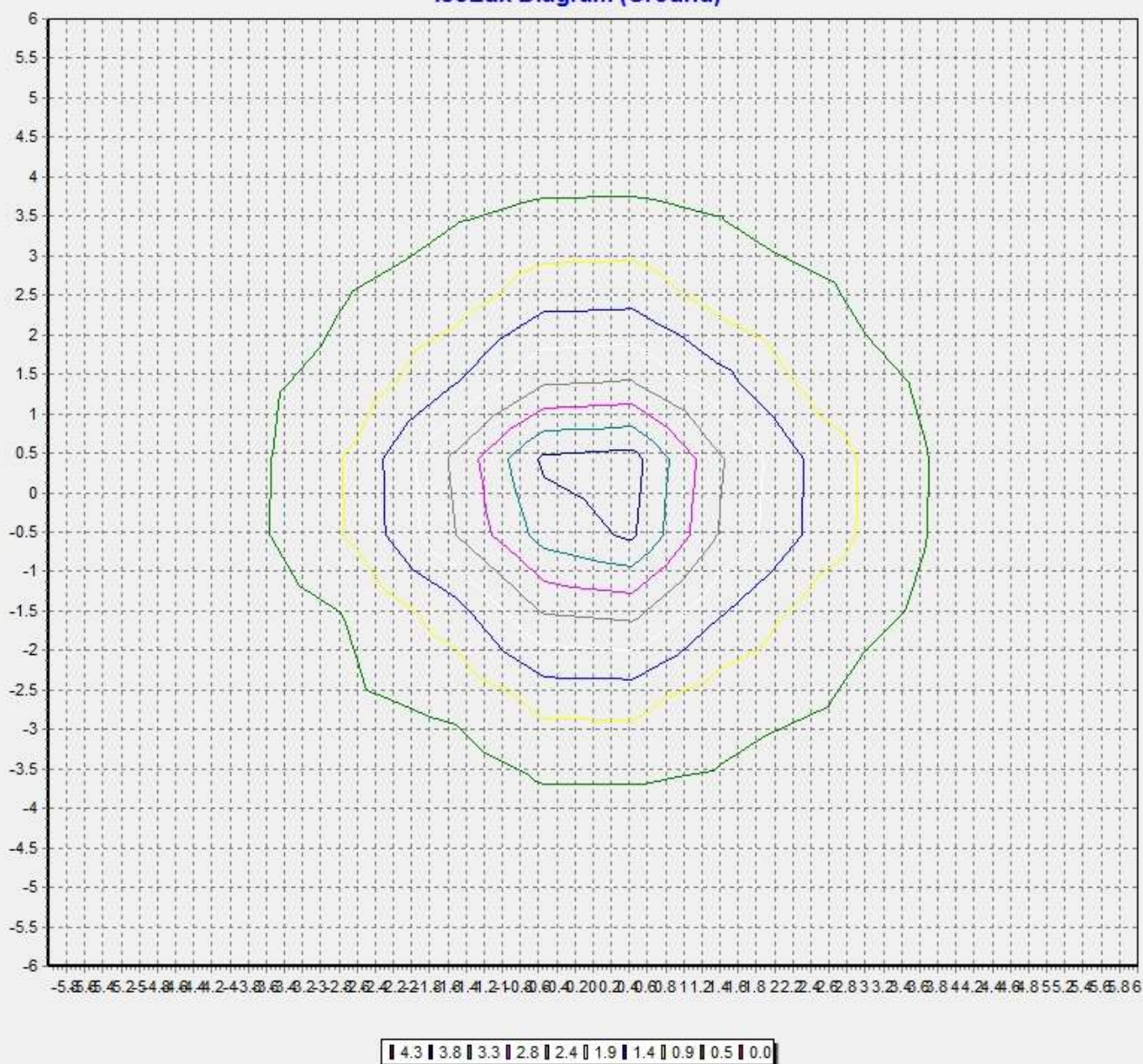
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



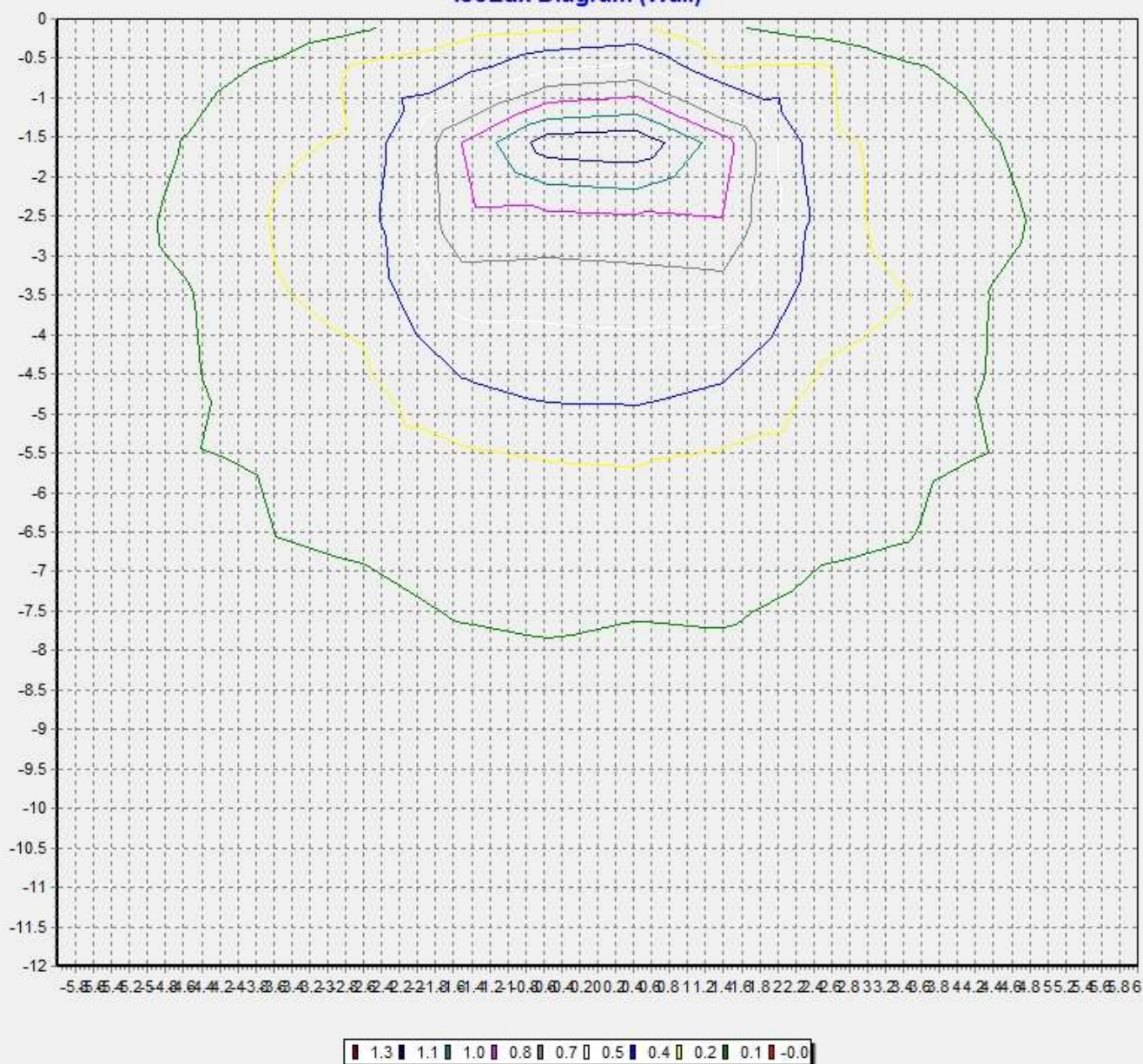
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

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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

No. of lamps	1	Voltage (V)	23.99
Lamp flux (lm)	79	Current (A)	0.052
Total flux (lm)	79	Power Factor	1

Report

190311-0001

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190311 NDV1 40K-24V-C90-1.jdt

Operator JC.K

Date 2019-03-11 오전 10:49:36

Illuminance Levels (Ground)

6.00	0.04	0.05	0.04	0.05	0.06	0.08	0.08	0.08	0.07	0.05	0.04	0.05	0.04
5.00	0.04	0.04	0.06	0.09	0.17	0.21	0.22	0.21	0.17	0.09	0.06	0.04	0.05
4.00	0.03	0.05	0.15	0.22	0.21	0.29	0.31	0.29	0.22	0.22	0.14	0.06	0.04
3.00	0.05	0.07	0.20	0.25	0.57	0.58	0.69	0.59	0.57	0.25	0.21	0.09	0.05
2.00	0.06	0.16	0.21	0.52	0.78	1.27	1.60	1.32	0.78	0.55	0.21	0.17	0.07
1.00	0.06	0.17	0.23	0.56	1.25	2.50	3.48	2.53	1.31	0.58	0.27	0.20	0.07
0.00	0.06	0.18	0.25	0.56	1.40	3.46	4.36	3.50	1.58	0.67	0.29	0.21	0.08
-1.00	0.06	0.18	0.23	0.50	1.16	2.35	3.49	2.48	1.30	0.59	0.27	0.20	0.07
-2.00	0.05	0.14	0.18	0.48	0.67	1.18	1.56	1.30	0.78	0.55	0.21	0.17	0.06
-3.00	0.04	0.07	0.18	0.21	0.54	0.52	0.67	0.59	0.55	0.25	0.21	0.08	0.05
-4.00	0.03	0.05	0.12	0.19	0.19	0.26	0.29	0.26	0.21	0.21	0.14	0.06	0.04
-5.00	0.04	0.03	0.05	0.08	0.15	0.19	0.21	0.19	0.17	0.08	0.06	0.04	0.05
-6.00	0.03	0.04	0.03	0.04	0.06	0.07	0.07	0.07	0.06	0.05	0.04	0.05	0.04
-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.): 4.36

All illuminance level values are in lux.

Illum. (Min.): 0.03

Illum. Avg.: 0.44

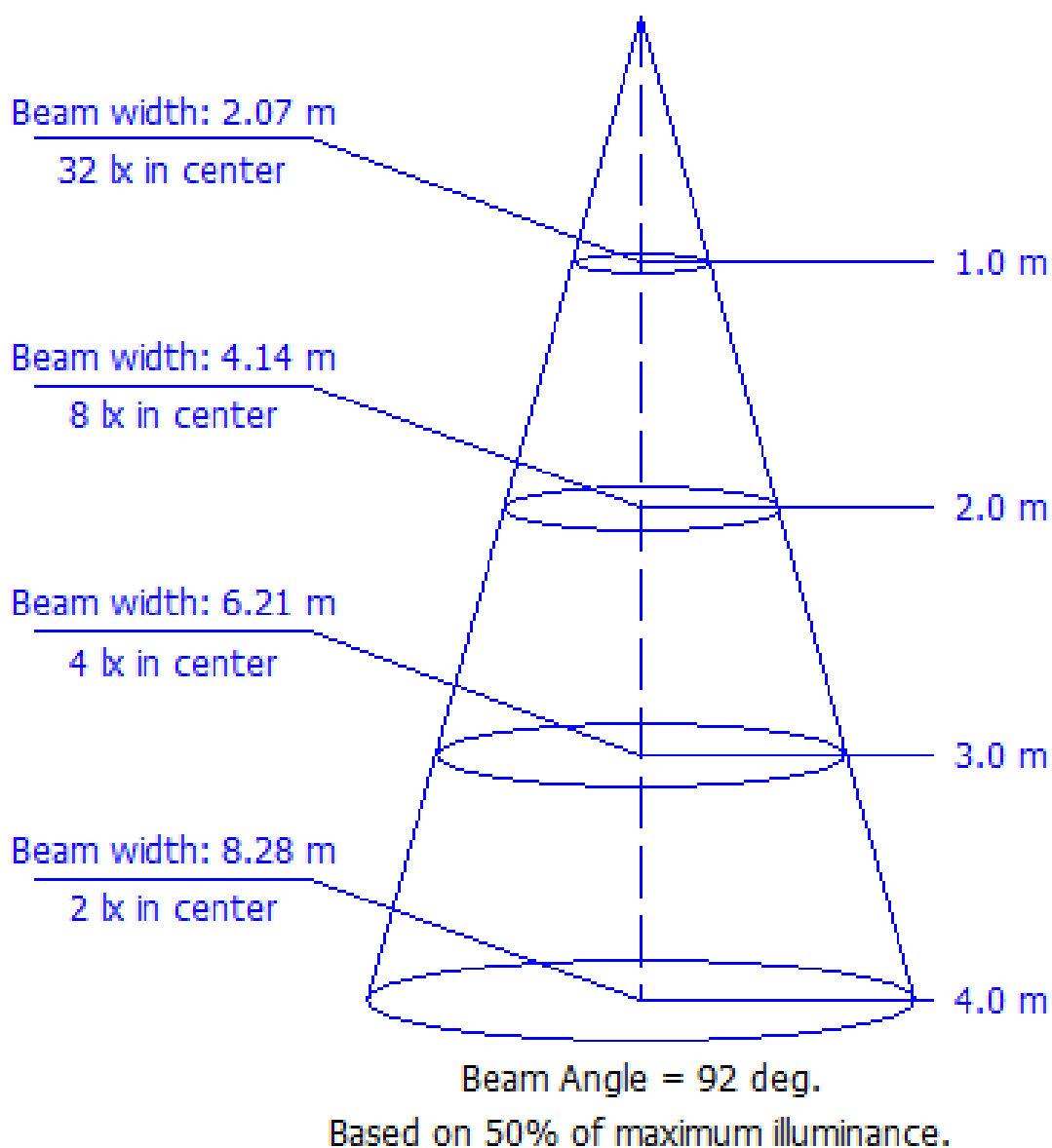
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

Report

190311-0001

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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