

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 : 190409

2. Purpose of Report :

3. Test Standard / Item : LED / 190409 FN1 35K-24V-C90

4. Test Period : 190409 ~ 190409

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 JSY	Technical manager JSY
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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
190409	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.4334, 0.4003	
Correlated Color Temperature	K	3046	
Ra	-	92.48	
Power Factor	%	1.000	
Input Voltage	V	23.970	
Input Current	A	0.274	
Input Watt	W	6.57	
Lamp Flux	lm	280.5	
Efficient	lm/W	42.71	
Illuminance	lx	79	1 m
		20	2 m
		9	3 m

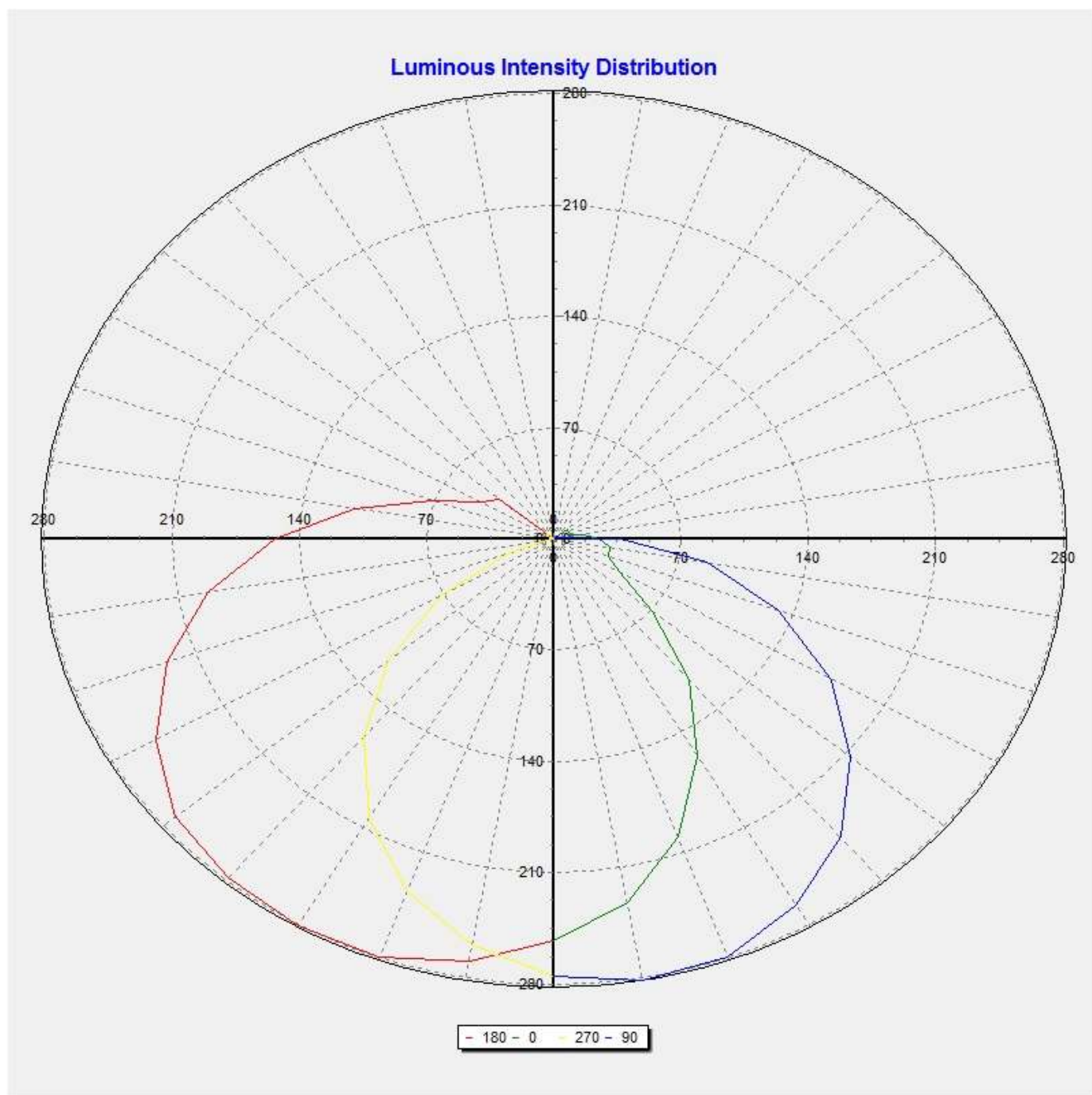
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

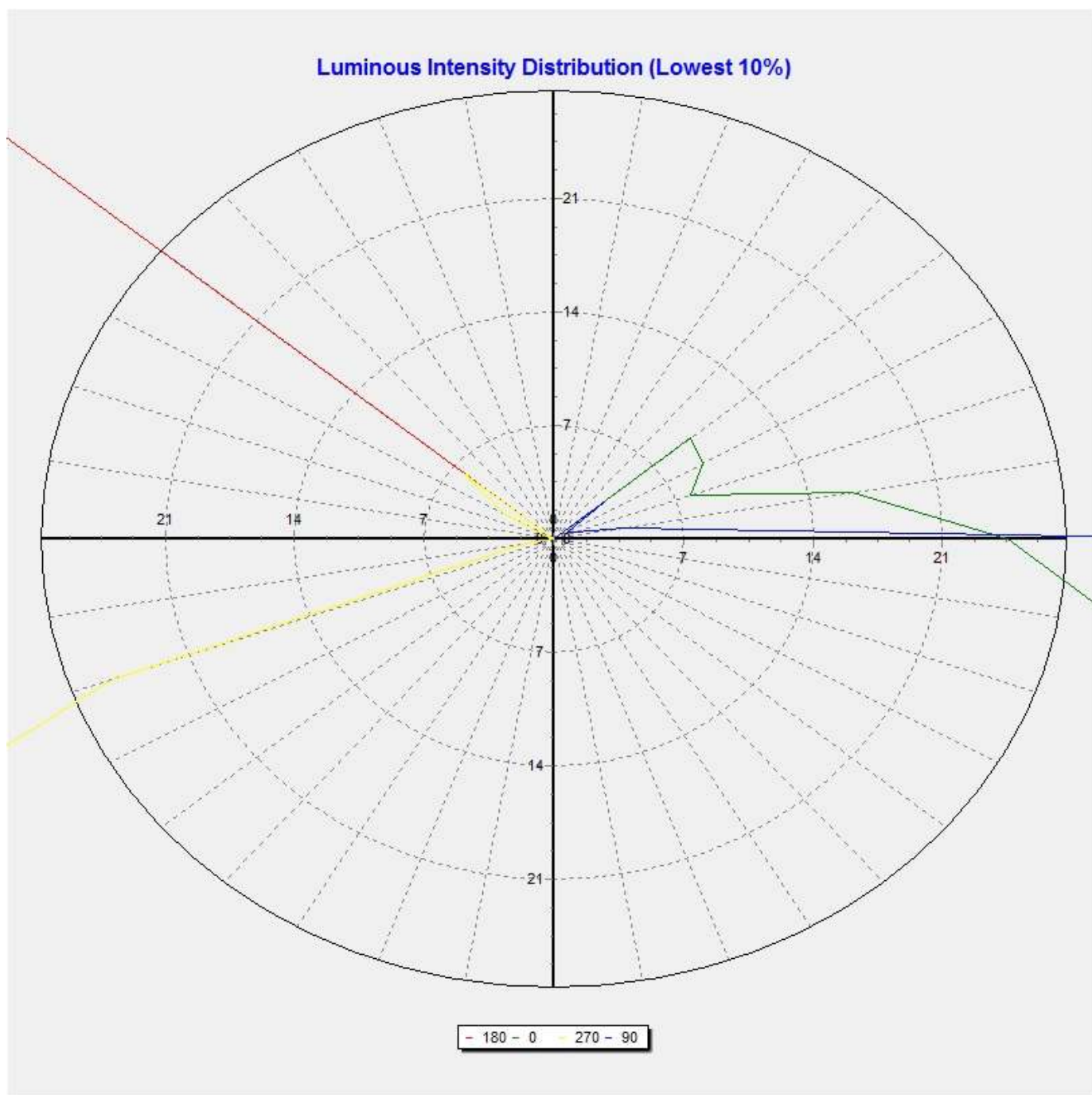
Lamp		Report		190409
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190409 FN1 35K-24V-C90.jdt	
Lamp flux (lm)	281	Operator	Current (A)	0.274
				CGR
Total flux (lm)	281	Date	Power Factor	1
				2019-04-09 오전 9:46:31



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	70.61	79.10	78.88	76.98	78.82	79.08	70.61	79.10	78.88	76.98	78.82	79.08	70.61
10	64.88	78.05	78.07	78.90	78.87	79.11	75.52	79.04	78.03	72.50	77.29	77.68	64.88
20	55.84	75.68	75.01	78.23	75.51	76.46	78.45	75.13	73.58	66.07	73.22	75.66	55.84
30	44.14	71.34	69.34	74.45	70.04	71.22	78.70	70.52	67.63	57.02	67.62	70.49	44.14
40	32.41	63.45	62.08	68.61	62.20	63.94	77.78	61.61	59.07	45.57	58.71	62.89	32.41
50	19.73	54.56	51.90	59.52	52.48	54.73	75.99	51.97	49.10	33.25	49.55	54.33	19.73
60	11.72	43.07	41.28	49.38	40.86	43.72	70.63	41.35	36.78	19.93	37.43	42.01	11.72
70	9.05	30.76	27.14	36.67	27.84	31.37	63.32	28.48	23.80	7.12	24.26	29.24	9.05
80	8.81	19.13	15.23	23.98	14.71	19.13	54.10	17.43	11.47	0.41	11.56	17.26	8.81
90	6.86	9.78	4.89	10.26	6.11	12.28	43.01	10.52	5.51	-0.18	5.08	9.61	6.86
100	4.57	7.74	3.78	1.08	5.60	9.41	31.16	9.09	3.62	0.07	3.95	8.40	4.57
110	2.19	6.74	3.64	0.36	3.27	8.21	19.85	8.35	2.41	0.18	2.40	6.57	2.19
120	2.59	5.31	-0.06	0.24	1.03	6.94	12.84	5.28	0.24	0.89	0.64	5.09	2.59
130	2.70	0.81	1.85	1.01	2.32	1.13	10.93	0.38	1.31	1.78	2.19	0.24	2.70

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Luminous Flux Table

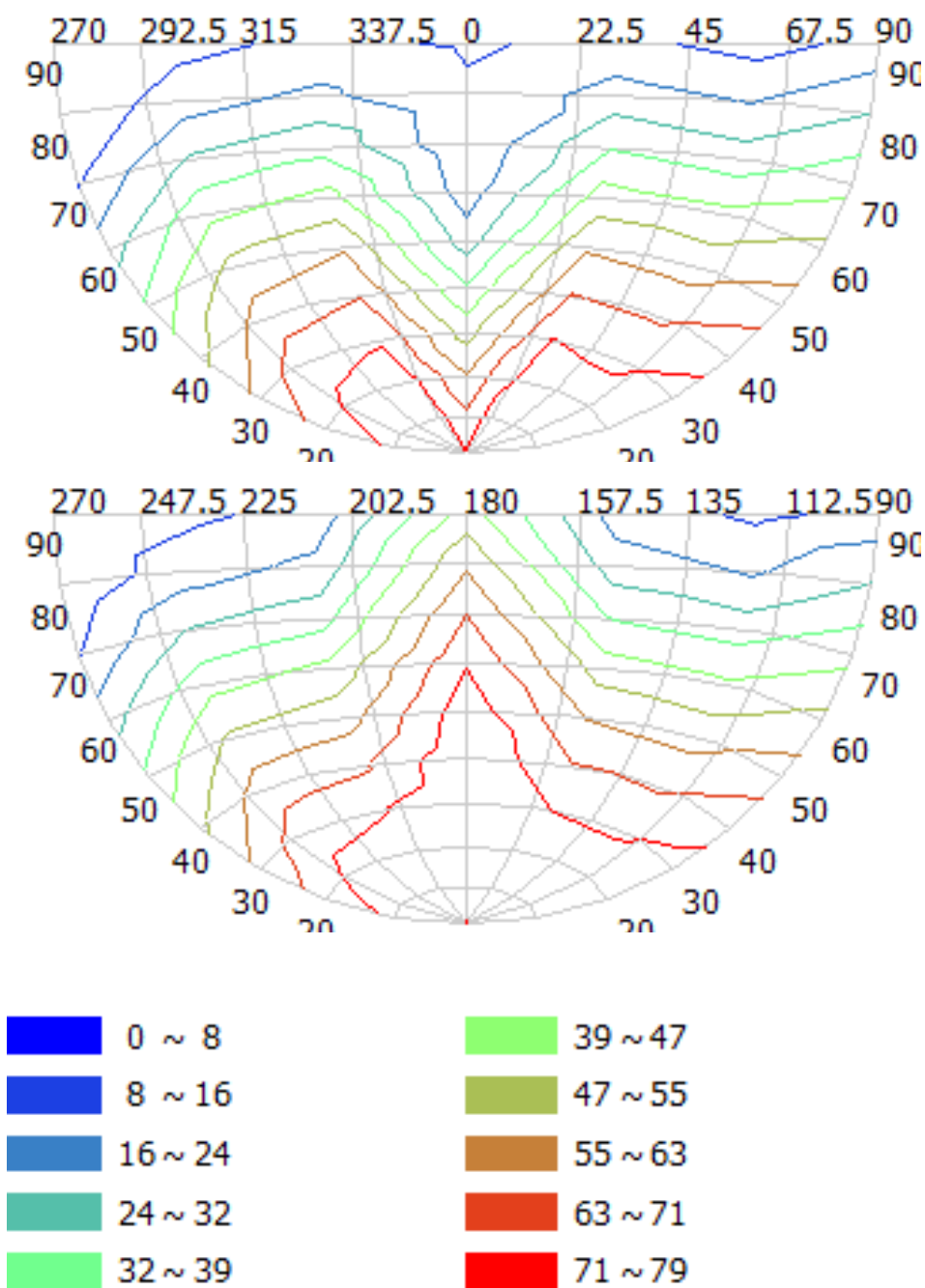
Total Lamp Lumens: 280
 Luminaire Efficiency (lm/W):280.49
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.85	1.85	0.66	0.66
10	14.55	16.39	5.84	5.85
20	27.43	43.83	15.63	15.63
30	37.08	80.91	28.84	28.84
40	42.14	123.05	43.87	43.87
50	42.45	165.49	59.00	59.00
60	37.79	203.29	72.47	72.48
70	29.08	232.36	82.84	82.84
80	19.17	251.53	89.67	89.68
90	11.29	262.82	93.70	93.70
100	7.95	270.78	96.53	96.54
110	5.50	276.28	98.50	98.50
120	3.24	279.52	99.65	99.66
130	0.97	280.49	100.00	100.00

Luminaire

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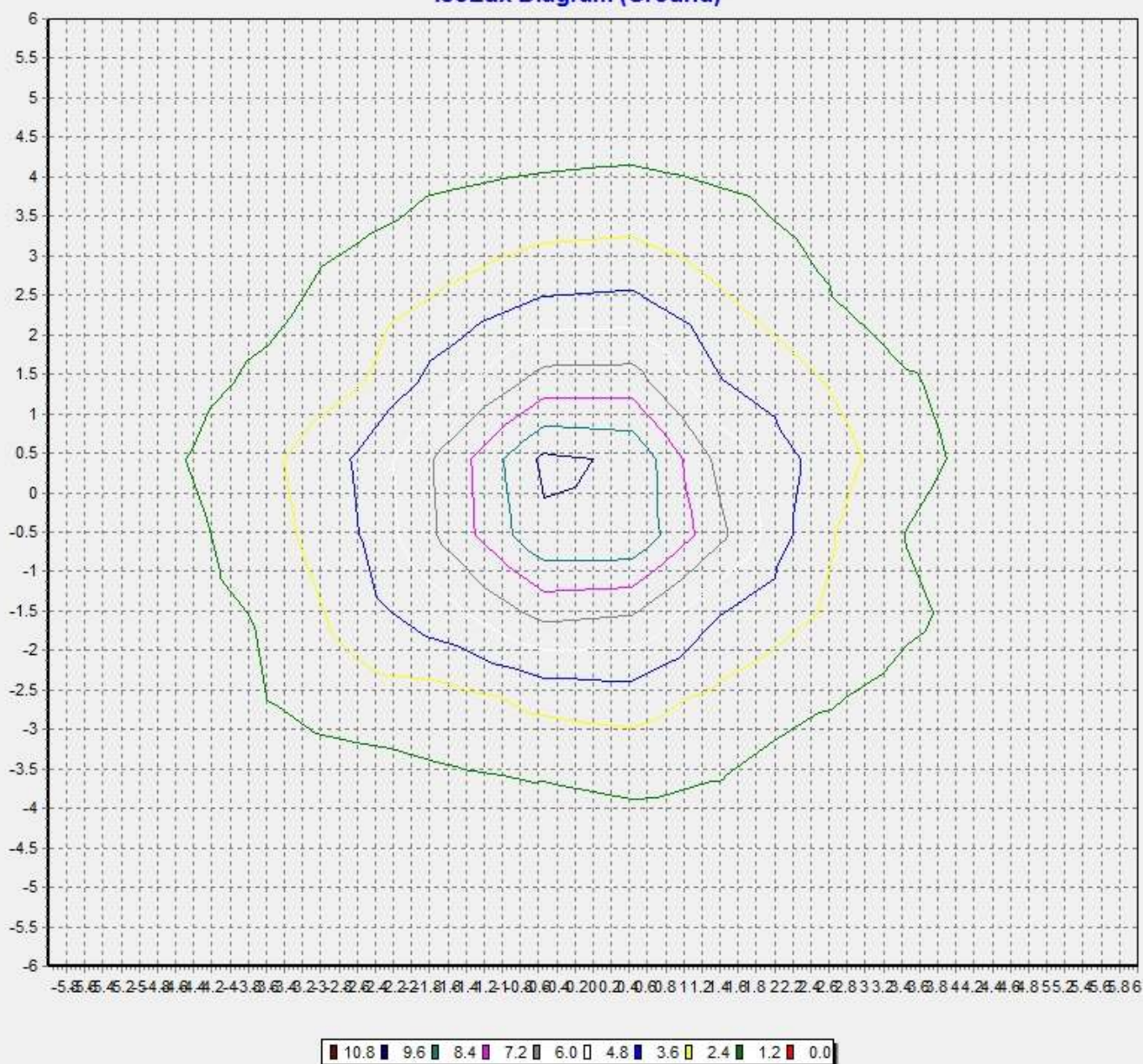
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



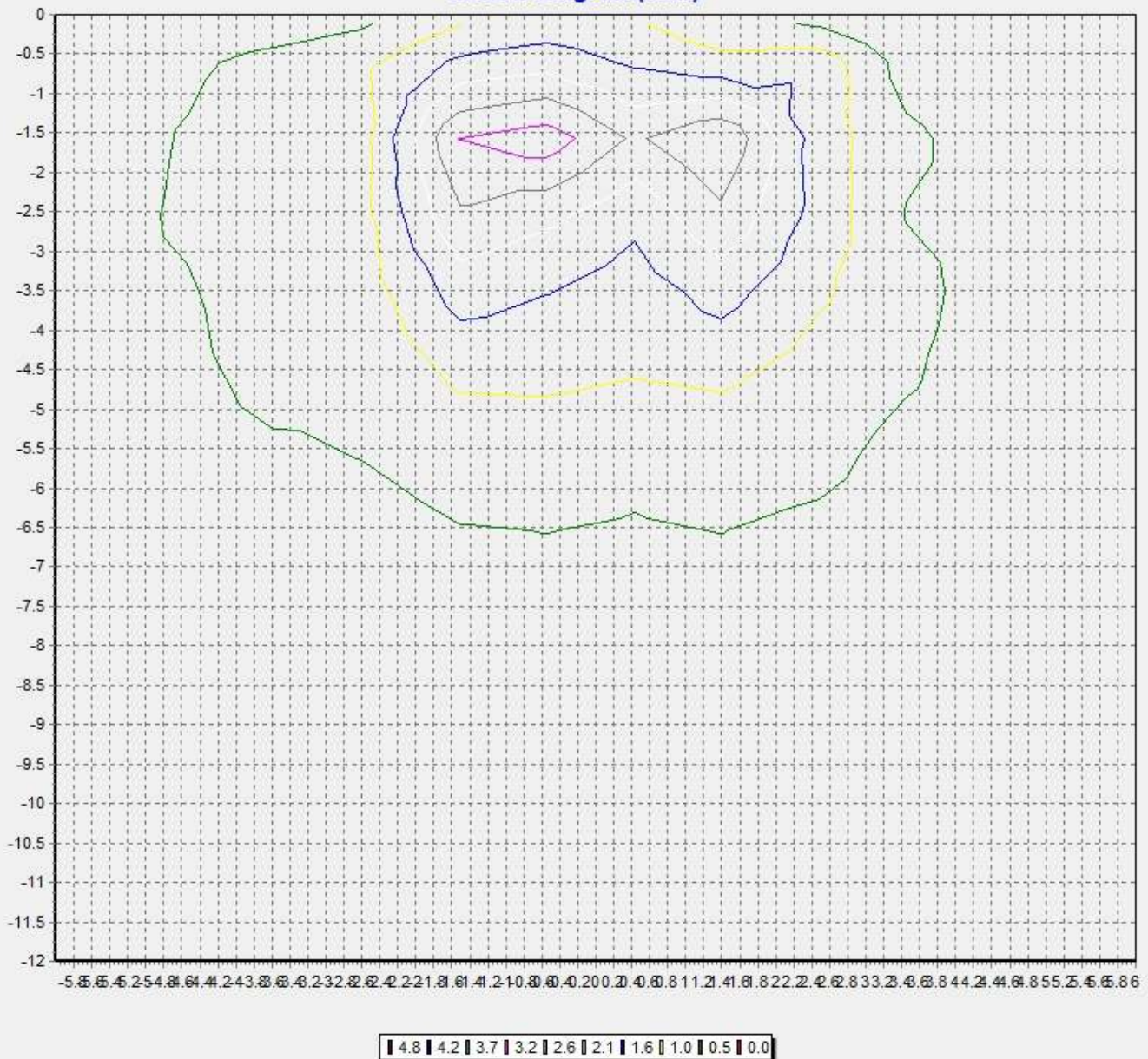
Pole Height (m): 2.7

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)	23.97
Lamp flux (lm)	281	Current (A)	0.274
Total flux (lm)	281	Power Factor	1

Report

190409

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Operator

CGR

Date

2019-04-09 오전 9:46:31

Illuminance Levels (Ground)

6.00	0.16	0.22	0.21	0.22	0.29	0.33	0.40	0.36	0.28	0.23	0.17	0.19	0.10
5.00	0.20	0.21	0.30	0.43	0.63	0.74	0.85	0.77	0.62	0.35	0.26	0.13	0.10
4.00	0.19	0.27	0.56	0.83	0.82	1.09	1.28	1.10	0.84	0.75	0.36	0.14	0.07
3.00	0.22	0.38	0.77	1.01	1.92	2.09	2.52	2.03	1.75	0.63	0.39	0.11	0.22
2.00	0.28	0.61	0.80	1.80	2.68	3.96	5.03	3.98	1.86	0.96	0.77	0.51	0.21
1.00	0.52	0.93	1.37	2.02	3.93	6.99	8.92	5.69	3.77	1.56	0.70	0.55	0.24
0.00	0.63	1.11	1.75	3.14	5.56	8.55	9.69	7.31	2.60	0.91	0.36	0.27	0.10
-1.00	0.42	0.86	1.33	2.31	4.00	7.16	8.18	6.11	3.73	1.95	0.66	0.43	0.16
-2.00	0.38	0.68	0.87	2.21	2.98	3.86	3.53	3.61	2.05	1.76	0.74	0.58	0.25
-3.00	0.25	0.67	1.02	1.23	1.66	1.93	1.47	1.64	1.28	0.68	0.75	0.36	0.20
-4.00	0.35	0.45	0.66	0.70	0.80	0.72	0.61	0.74	0.70	0.51	0.39	0.25	0.17
-5.00	0.29	0.29	0.23	0.31	0.59	0.51	0.46	0.57	0.51	0.14	0.13	0.10	0.19
-6.00	0.21	0.18	0.15	0.22	0.25	0.16	0.12	0.22	0.18	0.18	0.06	0.12	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.): 0.69

All illuminance level values are in lux.

Illum. (Min.): 0.06

Illum. Avg.: 1.31

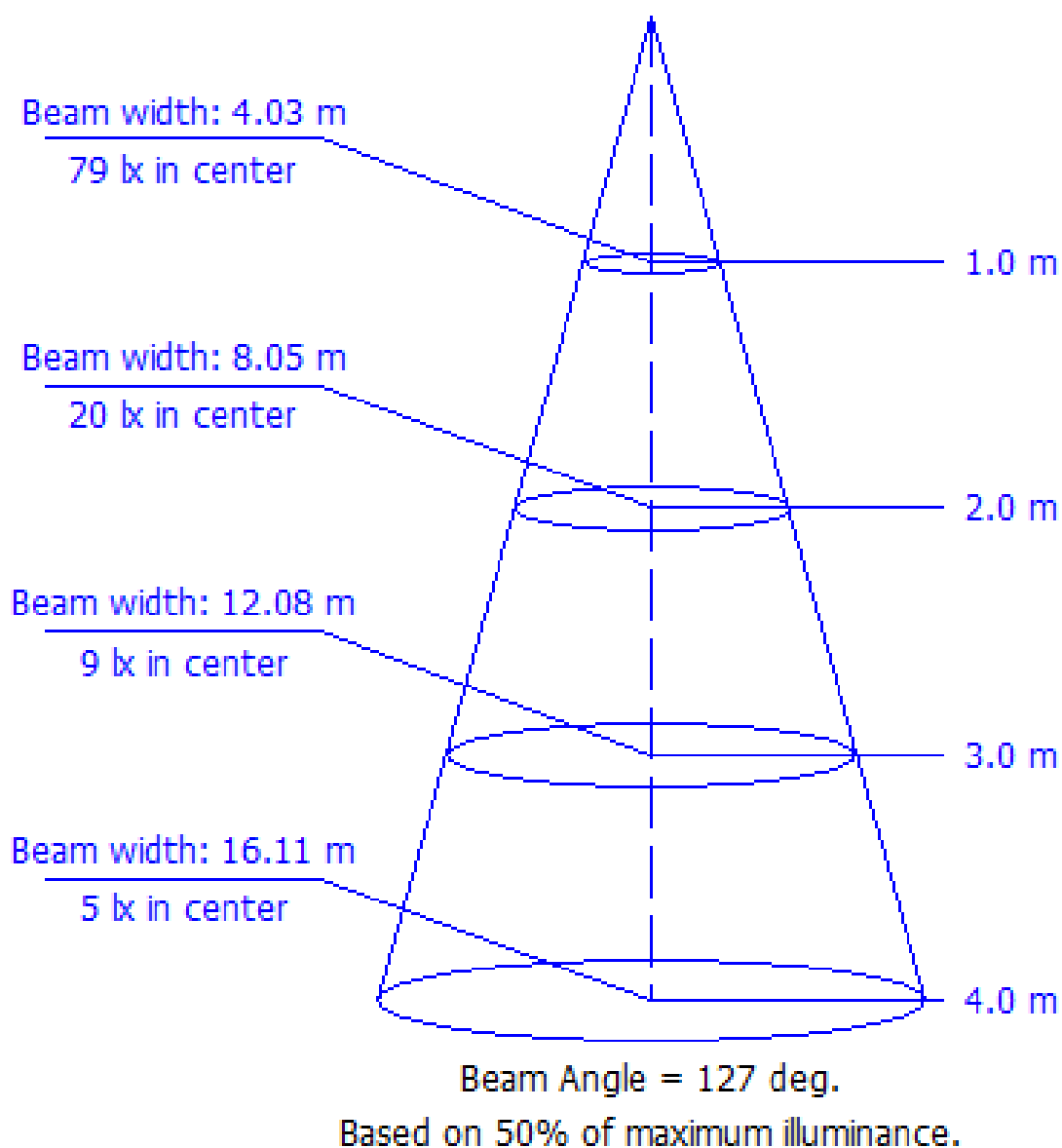
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

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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