

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 : 190328

2. Purpose of Report :

3. Test Standard / Item : LED / 190328 MRS1 40K-24V-35

4. Test Period : 190328 ~ 190328

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
190328	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3918, 0.3897	
Correlated Color Temperature	K	3812	
Ra	-	82.11	
Power Factor	%	1.000	
Input Voltage	V	23.990	
Input Current	A	0.054	
Input Watt	W	1.3	
Lamp Flux	lm	96.8	
Efficient	lm/W	74.72	
Illuminance	lx	220	1 m
		55	2 m
		24	3 m

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

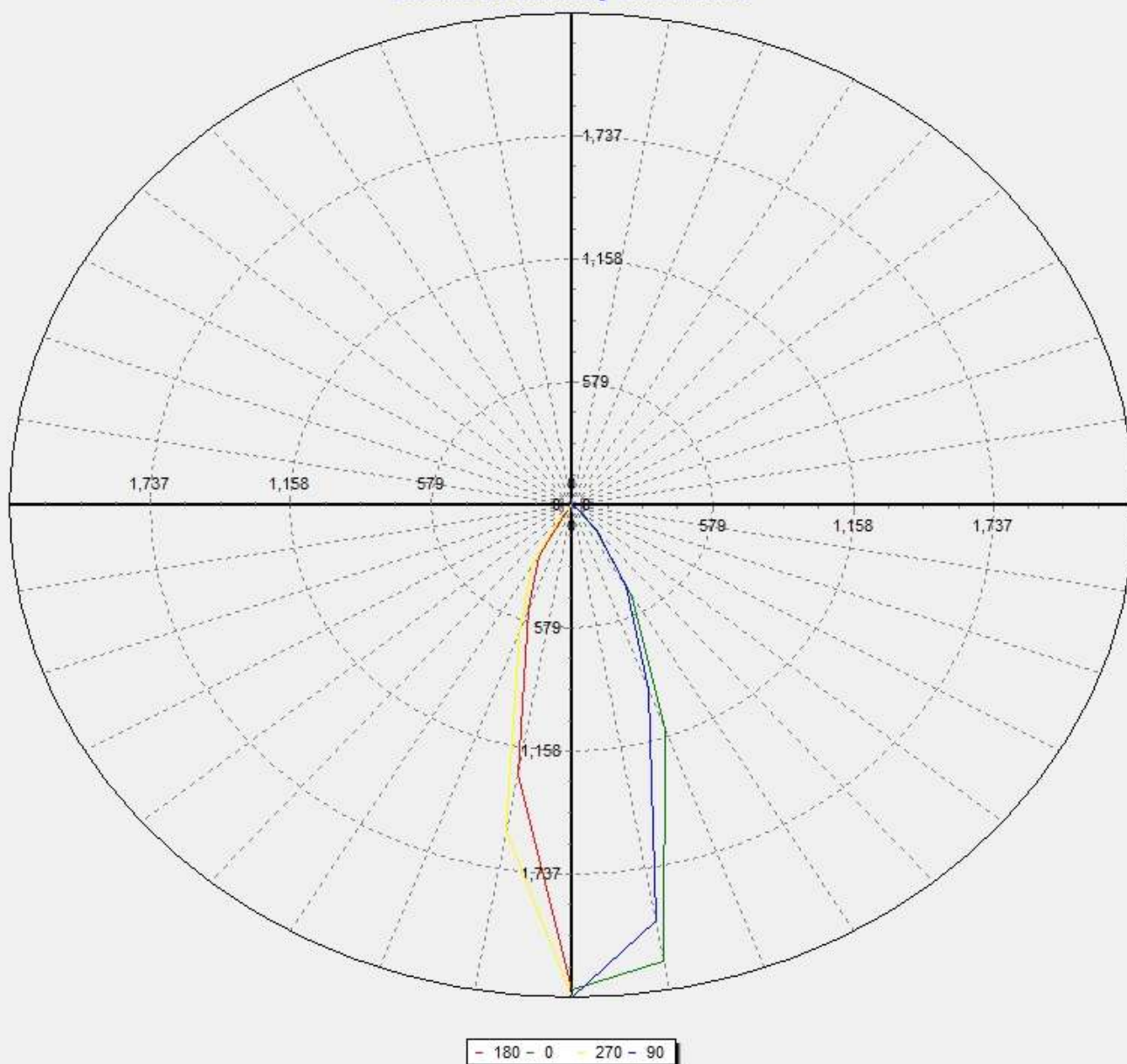
Sample photo

Click to load image

Luminaire

Lamp		Report			190328
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 MRS1 40K-24V-35.jdt		
Lamp flux (lm)	97	Operator	Current (A)	0.054	CGR
Total flux (lm)	97	Date	Power Factor	1	2019-03-28 오후 3:37:41

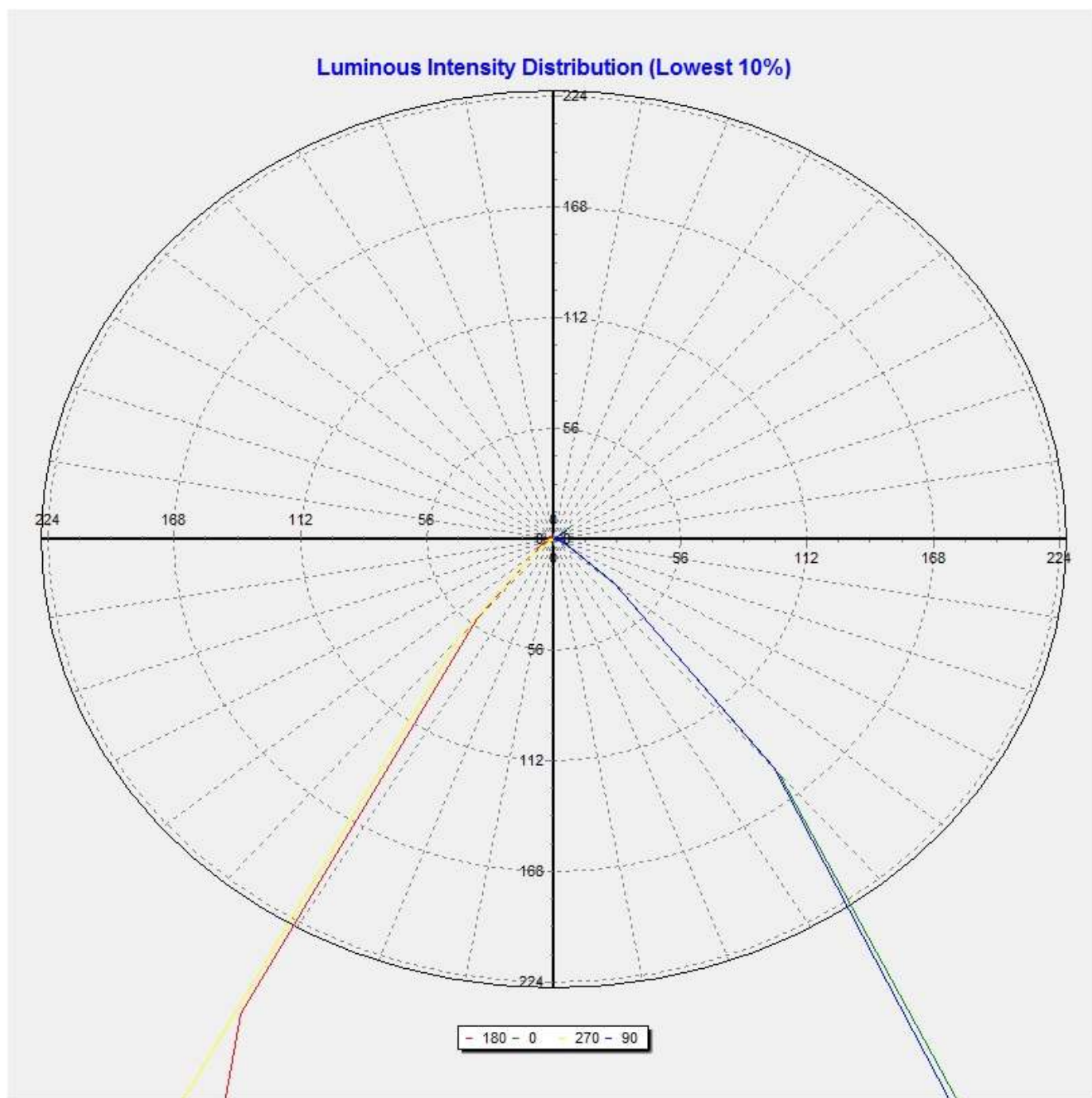
Luminous Intensity Distribution



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	220.49	221.27	225.57	224.14	221.83	223.57	220.49	221.27	225.57	224.14	221.83	223.57	220.49
10	211.02	208.33	209.27	192.16	178.23	153.18	125.19	129.38	135.60	150.62	167.81	192.67	211.02
20	108.21	109.82	105.81	89.27	75.51	62.51	50.15	50.41	53.91	61.78	69.74	84.92	108.21
30	48.19	50.78	50.03	42.59	38.82	32.99	26.81	26.72	28.37	32.04	35.53	39.93	48.19
40	15.05	16.67	16.58	14.63	12.53	9.18	5.06	5.71	5.61	6.37	7.84	10.51	15.05
50	3.44	3.71	4.30	3.36	2.85	1.23	1.08	0.58	1.22	1.17	2.00	3.06	3.44
60	0.58	-0.40	0.32	0.78	0.42	0.33	0.58	-0.08	-0.07	0.03	0.57	0.77	0.58
70	0.05	0.20	0.07	0.42	-0.35	-0.38	0.27	0.77	0.24	0.20	0.85	0.01	0.05
80	-0.08	0.23	0.13	-0.62	-0.33	-0.45	0.03	-0.05	-0.09	0.37	-0.37	0.09	-0.08
90	0.60	-0.30	0.24	0.49	0.18	-0.08	0.32	-0.63	-0.26	-0.08	0.10	-0.24	0.60
100	-0.24	-0.37	-0.56	-0.24	-0.15	-0.01	0.24	-0.49	0.14	-0.31	0.05	0.12	-0.24
110	-0.29	-0.34	0.04	-0.59	0.22	-0.08	0.15	-0.65	-0.59	0.08	0.83	-0.19	-0.29
120	-0.11	-0.13	-0.66	-0.68	-0.04	0.34	-0.28	-0.06	0.40	-0.33	0.04	0.12	-0.11
130	1.01	0.63	0.52	0.65	0.14	0.29	0.21	-0.45	0.59	-0.43	0.19	0.20	1.01

Luminaire

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Luminous Flux Table

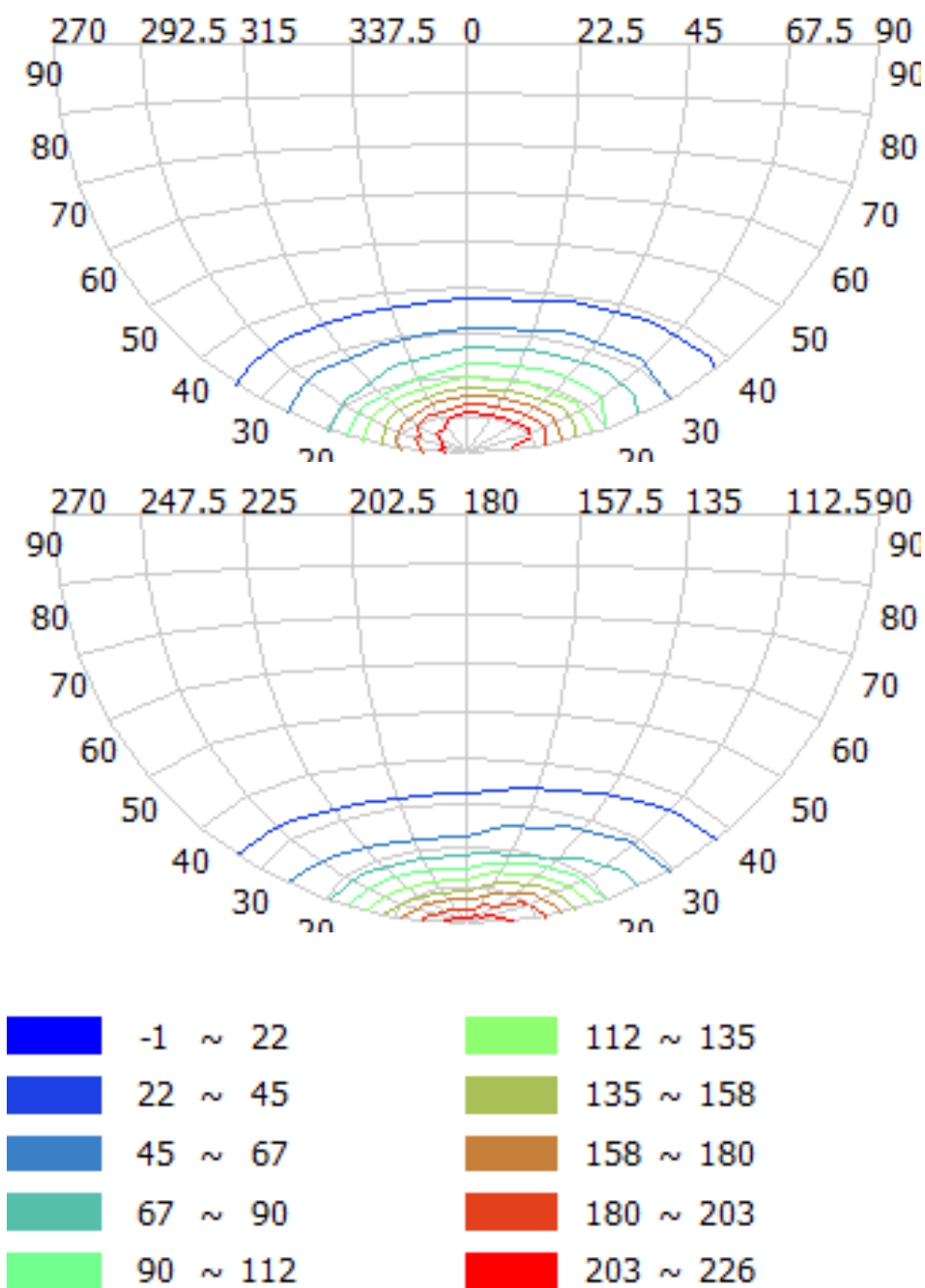
Total Lamp Lumens: 96.8
 Luminaire Efficiency (lm/W): 96.82
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.33	5.33	5.50	5.50
10	32.54	37.87	39.12	39.12
20	28.78	66.65	68.86	68.84
30	20.66	87.32	90.20	90.19
40	7.38	94.69	97.83	97.81
50	1.96	96.65	99.85	99.83
60	0.30	96.96	100.16	100.14
70	0.20	97.16	100.37	100.35
80	-0.10	97.05	100.26	100.24
90	0.03	97.08	100.29	100.27
100	-0.16	96.92	100.12	100.11
110	-0.12	96.80	100.00	99.98
120	-0.11	96.69	99.89	99.87
130	0.13	96.82	100.02	100.00

Luminaire

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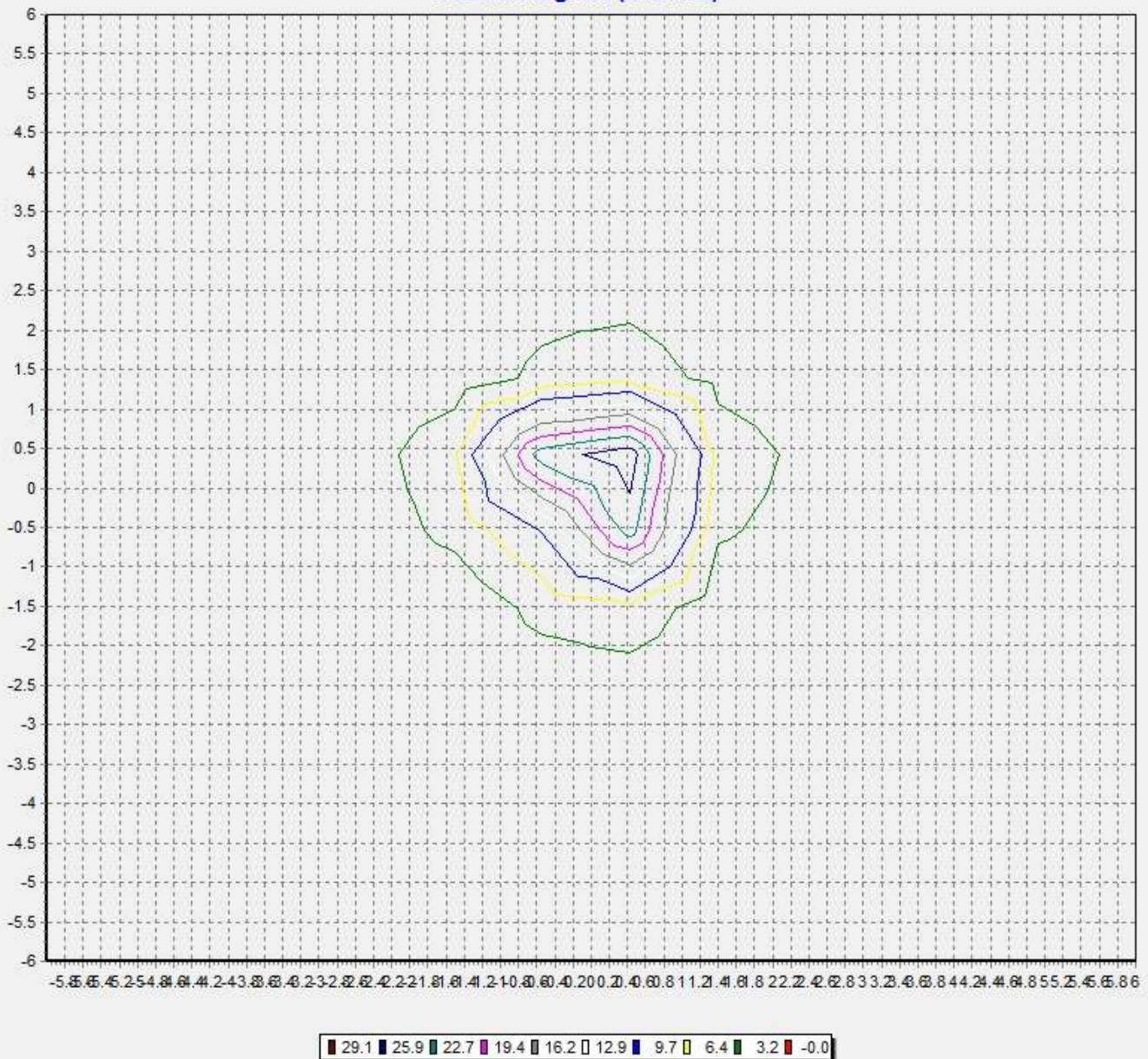
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



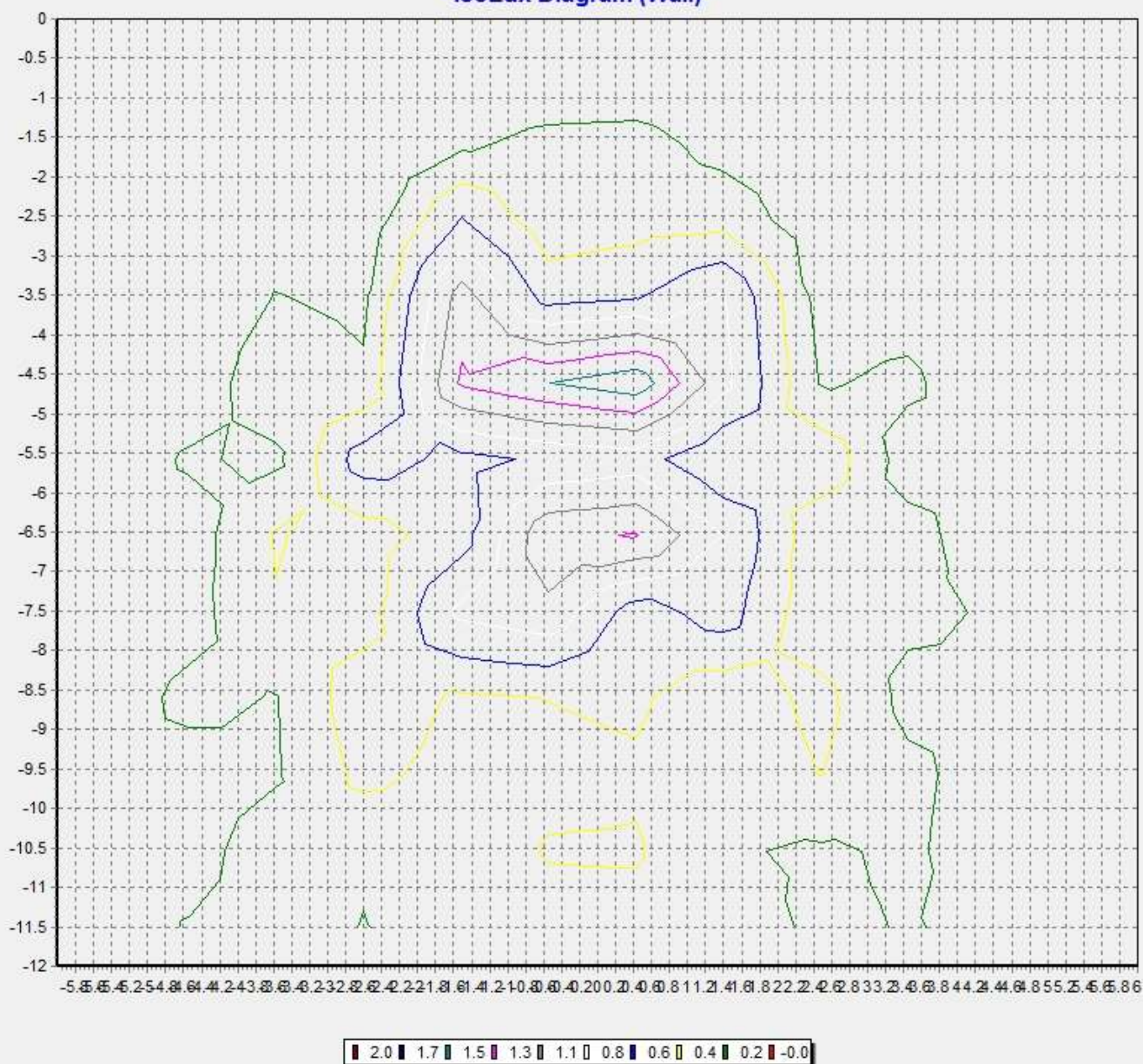
Pole Height (m): 2.7

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)	97	Current (A)	0.054
Total flux (lm)	97	Power Factor	1

Report

190328

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 MRS1 40K-24V-35.jdt

Operator

CGR

Date

2019-03-28 오후 3:37:41

Illuminance Levels (Ground)

6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.01	0.03	0.05	0.04	0.04	0.03	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.02	0.04	0.01	0.04	0.04	0.04	0.00	0.05	0.02	0.00	0.00
3.00	0.00	0.00	0.02	0.03	0.32	0.13	0.23	0.17	0.37	0.02	0.04	0.00	0.00
2.00	0.00	0.02	0.01	0.21	0.31	0.86	1.73	1.12	0.36	0.34	0.00	0.03	0.00
1.00	0.00	0.01	0.02	0.10	0.82	4.82	21.36	6.06	1.11	0.16	0.03	0.04	0.00
0.00	0.00	0.01	0.02	0.08	0.90	13.89	30.25	23.49	1.89	0.24	0.04	0.04	0.00
-1.00	0.00	0.01	0.02	0.04	0.40	3.08	16.71	3.94	0.57	0.10	0.03	0.04	0.00
-2.00	0.00	0.01	0.00	0.11	0.11	0.41	1.09	0.54	0.16	0.23	0.01	0.02	0.00
-3.00	0.00	0.00	0.01	0.01	0.12	0.04	0.09	0.07	0.14	0.01	0.04	0.00	0.01
-4.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.00	0.00
-5.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00
-6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	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.): 30.2

All illuminance level values are in lux.

Illum. (Min.): 0.00

Illum. Avg.: 0.83

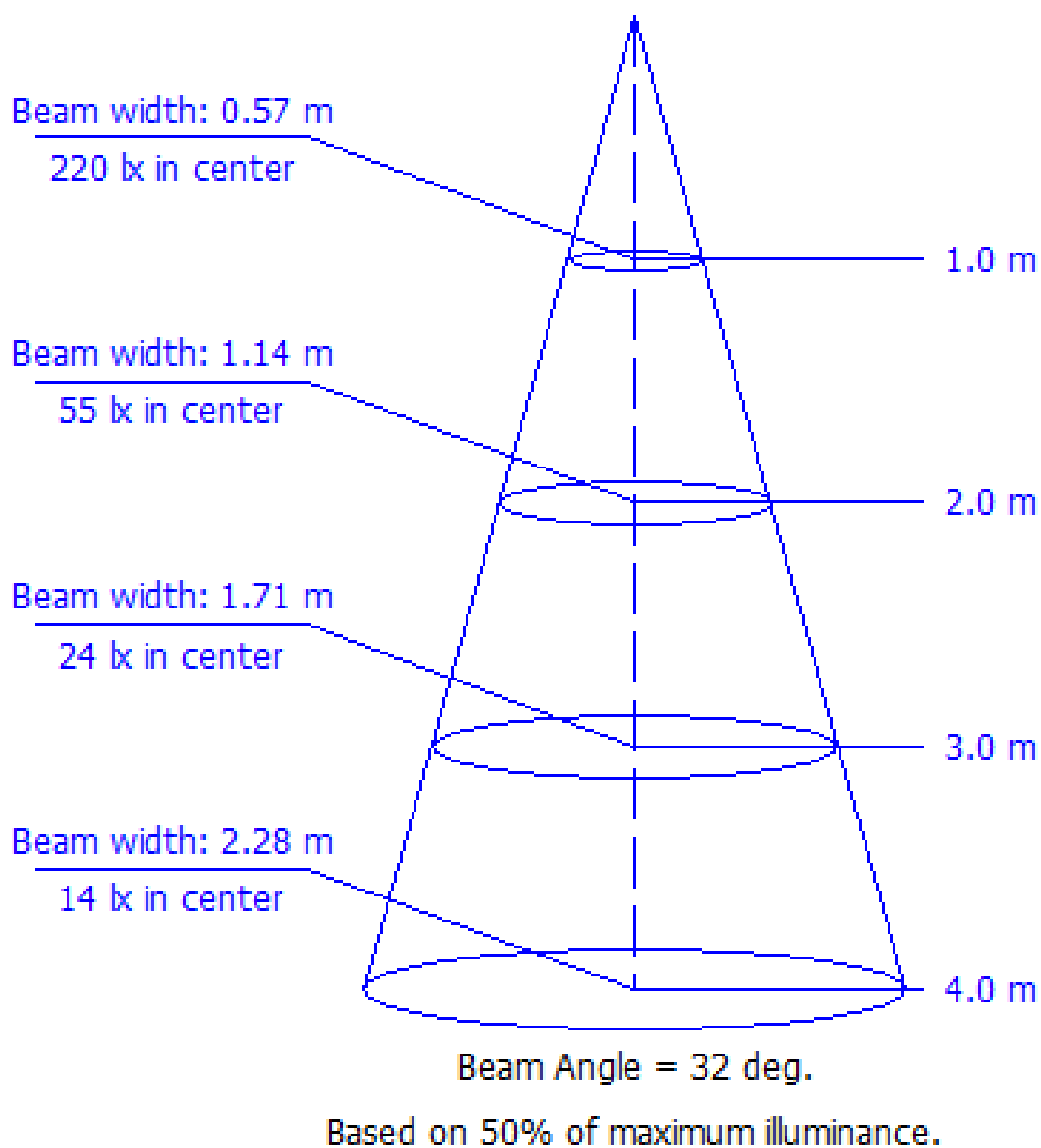
Total Optical Solution Provider

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

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

Report

190328

No. of lamps 1 Voltage (V) 23.99

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Lamp flux (lm) 97 Current (A) 0.054

Operator CGR

Total flux (lm) 97 Power Factor 1

Date 2019-03-28 오후 3:37:41

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