

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 : 190612

2. Purpose of Report :

3. Test Standard / Item : LED / 190612 MRS3 30K-24V-60

4. Test Period : 190612 ~ 190612

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.

This report cannot be reproduced, except in full.

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
190612	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.4329, 0.4011	
Correlated Color Temperature	K	3061	
Ra	-	92.53	
Power Factor	%	1.000	
Input Voltage	V	23.980	
Input Current	A	0.085	
Input Watt	W	2.03	
Lamp Flux	lm	167.1	
Efficient	lm/W	81.98	
Illuminance	lx	145	1 m
		36	2 m
		16	3 m

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

Sample photo

Click to load image

Luminaire

Lamp Report

190612

No. of lamps Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150S\₩Data\₩2019\₩190612 MRS3 30K-24V-60.jdt

Lamp flux (lm) Operator: 7

Current (A)

0.085

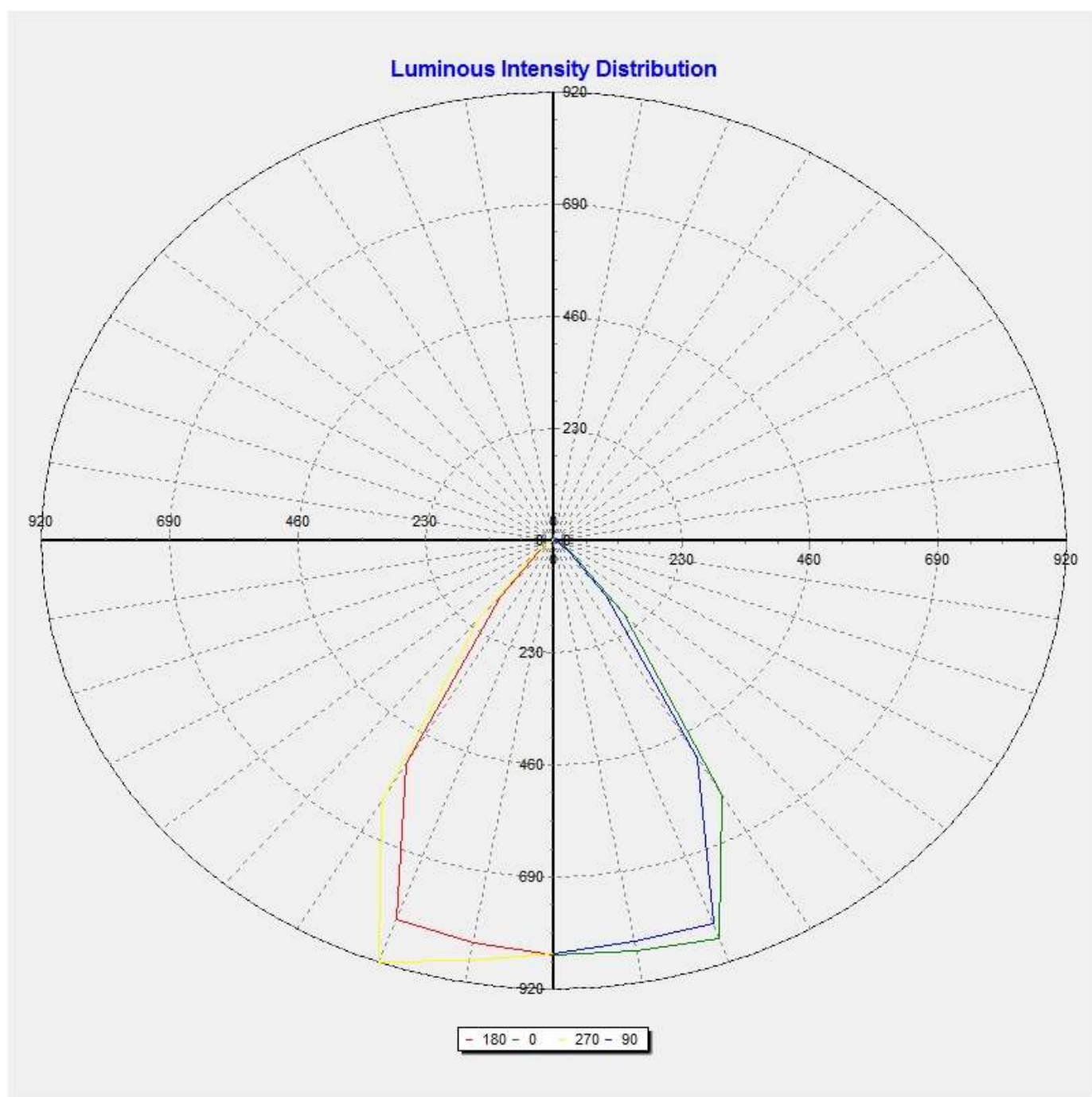
CGR

Total flux (lm) Date 167

Power Factor

1

2019-06-12 오전 11:33:53



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp Report

190612

No. of lamps Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150S\₩Data\2019\₩190612 MRS3 30K-24V-60.jdt

Lamp flux (lm) Operator 7

Current (A)

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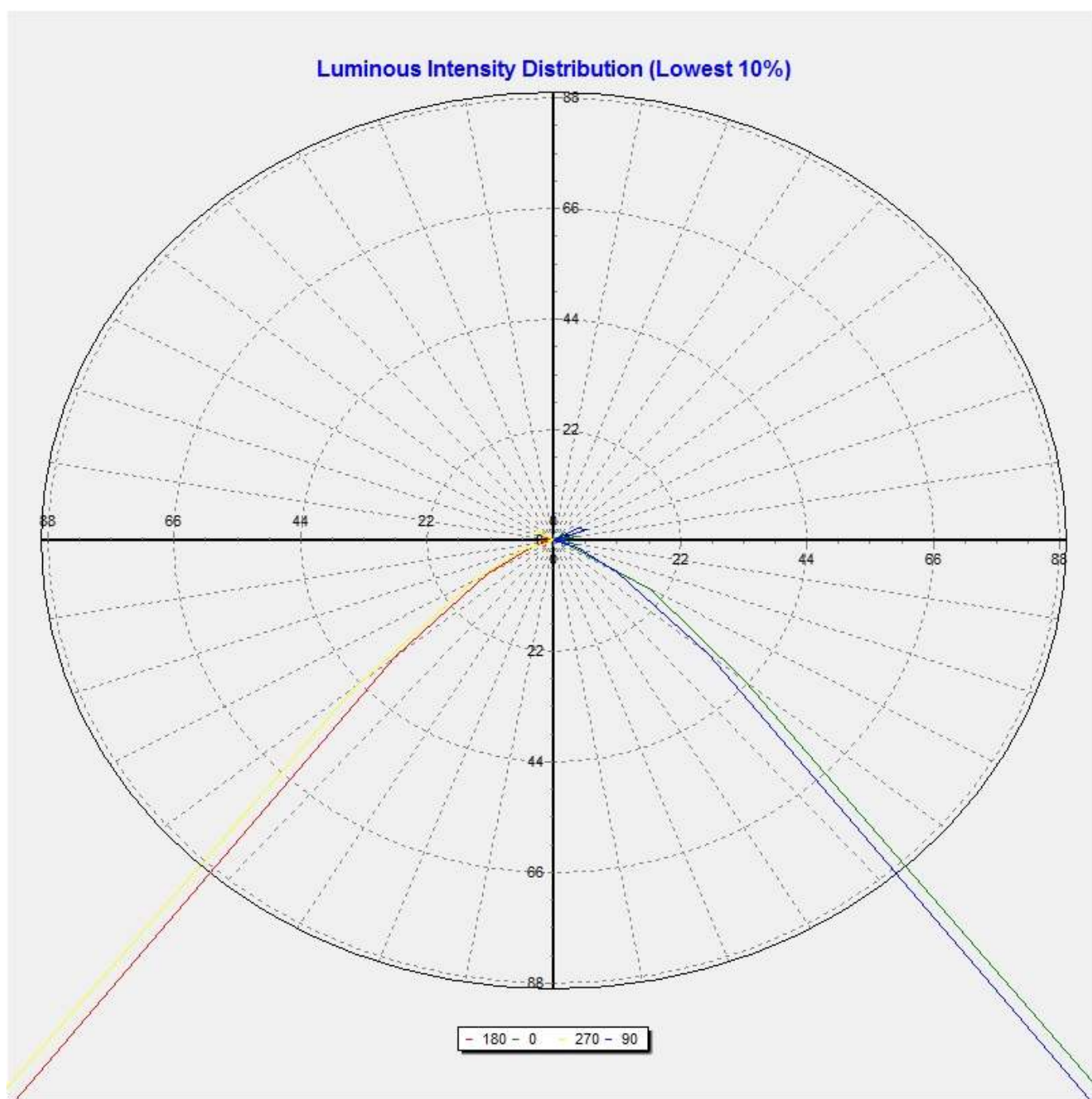
CGR

Total flux (lm) Date 167

Power Factor

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Luminaire

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190612

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Lamp flux (lm) Operator's Current (A) 0.085 CGR

Total flux (lm) Date 167 Power Factor 1 2019-06-12 오전 11:33:53

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	142.00	142.17	141.45	141.37	140.94	139.94	142.00	142.17	141.45	141.37	140.94	139.94	142.00
10	142.75	146.47	142.01	139.45	140.14	135.39	139.89	144.25	144.36	145.91	147.15	142.61	142.75
20	145.19	143.60	140.54	139.87	141.41	134.10	138.01	150.13	151.41	153.74	153.09	146.08	145.19
30	100.51	86.69	84.28	85.95	89.63	86.69	88.25	100.94	101.74	103.29	100.74	101.90	100.51
40	32.38	25.20	23.31	24.22	27.49	24.47	24.78	34.94	33.40	34.35	33.46	34.50	32.38
50	7.24	6.76	6.68	5.83	6.51	6.17	6.02	8.29	7.32	7.52	8.44	8.41	7.24
60	3.28	2.37	1.91	2.11	2.36	2.53	2.21	3.21	2.62	2.69	2.47	2.92	3.28
70	0.49	0.61	0.99	0.70	0.67	0.75	0.77	0.97	1.21	1.06	0.96	0.71	0.49
80	0.69	-0.16	0.44	-0.25	0.35	0.02	0.08	0.83	0.25	-0.24	0.04	0.46	0.69
90	-0.38	-0.37	0.02	0.54	0.19	0.00	0.41	-0.44	-0.35	0.17	0.08	-0.31	-0.38
100	0.69	-0.10	0.36	-0.24	0.39	0.12	0.02	-0.10	0.35	-0.20	0.45	0.02	0.69
110	0.18	0.13	0.33	1.01	-0.14	0.30	0.27	-0.54	0.28	-0.01	0.12	-0.02	0.18
120	0.23	0.64	0.48	0.78	0.46	-0.11	-0.26	-0.14	0.33	0.60	0.21	0.33	0.23
130	0.39	-0.02	-0.07	-0.01	0.50	-0.14	0.20	0.40	0.48	0.21	-0.14	-0.02	0.39

Luminaire

Lamp Report 190612

No. of lamps Filename Z:\₩신뢰성시험실 계측기 데이터₩배광측정기_GONI-150S₩Data₩2019₩190612 MRS3 30K-24V-60.jdt

Lamp flux (lm) Operator's Current (A) 0.085 CGR

Total flux (lm) Date 167 Power Factor 1 2019-06-12 오전 11:33:53

Luminous Flux Table

Total Lamp Lumens: 167

Luminaire Efficiency (lm/W): 167.07

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.38	3.38	2.02	2.02
10	27.11	30.49	18.24	18.25
20	54.23	84.71	50.70	50.70
30	51.59	136.31	81.57	81.58
40	20.68	156.99	93.95	93.96
50	5.96	162.94	97.51	97.53
60	2.43	165.37	98.96	98.98
70	0.85	166.22	99.47	99.49
80	0.23	166.44	99.61	99.62
90	-0.04	166.41	99.58	99.60
100	0.16	166.56	99.68	99.69
110	0.17	166.73	99.78	99.79
120	0.28	167.01	99.95	99.96
130	0.06	167.07	99.98	100.00

Luminaire

Lamp Report

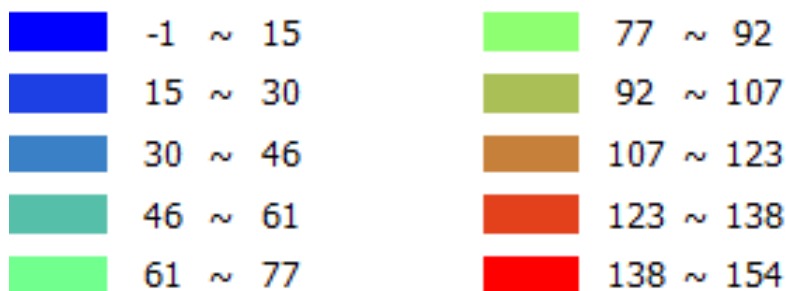
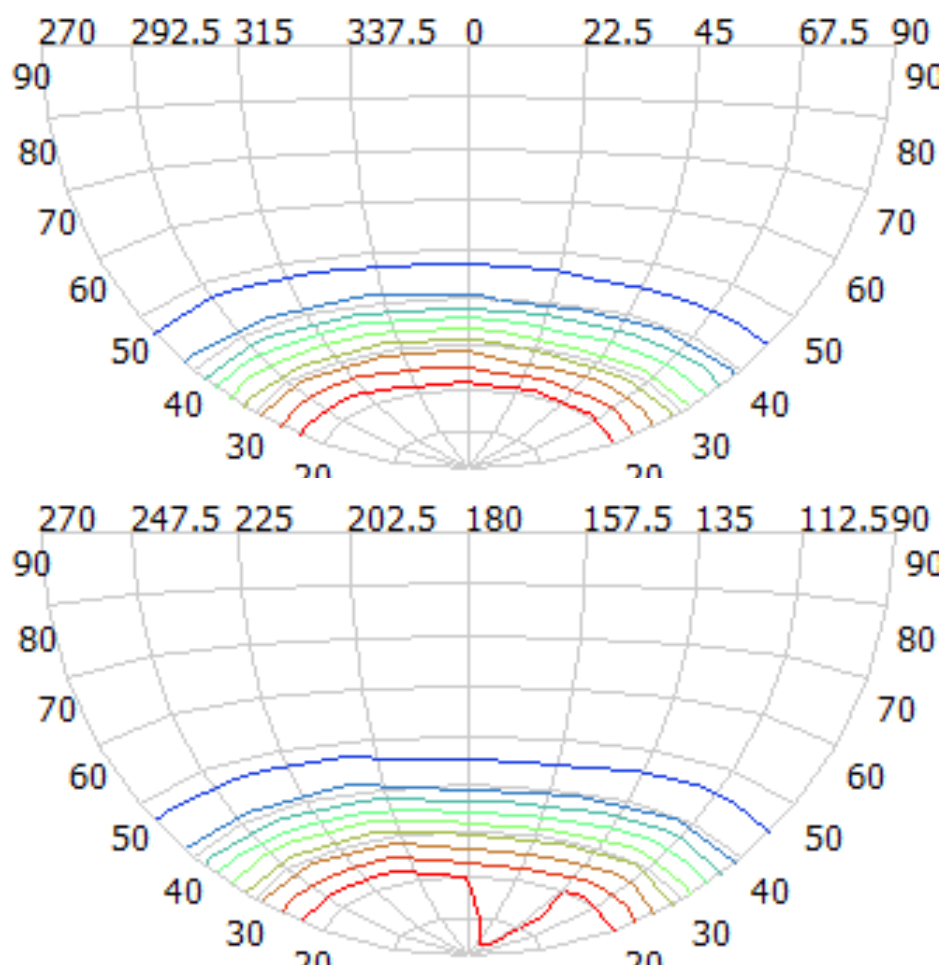
190612

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Lamp flux (lm) Operator: 7 Current (A) 0.085 CGR

Total flux (lm) Date 167 Power Factor 1 2019-06-12 오전 11:33:53

IsoCandela (Type C)



Luminaire

Lamp Report

190612

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Lamp flux (lm) Operator: 7

Current (A)

0.085

CGR

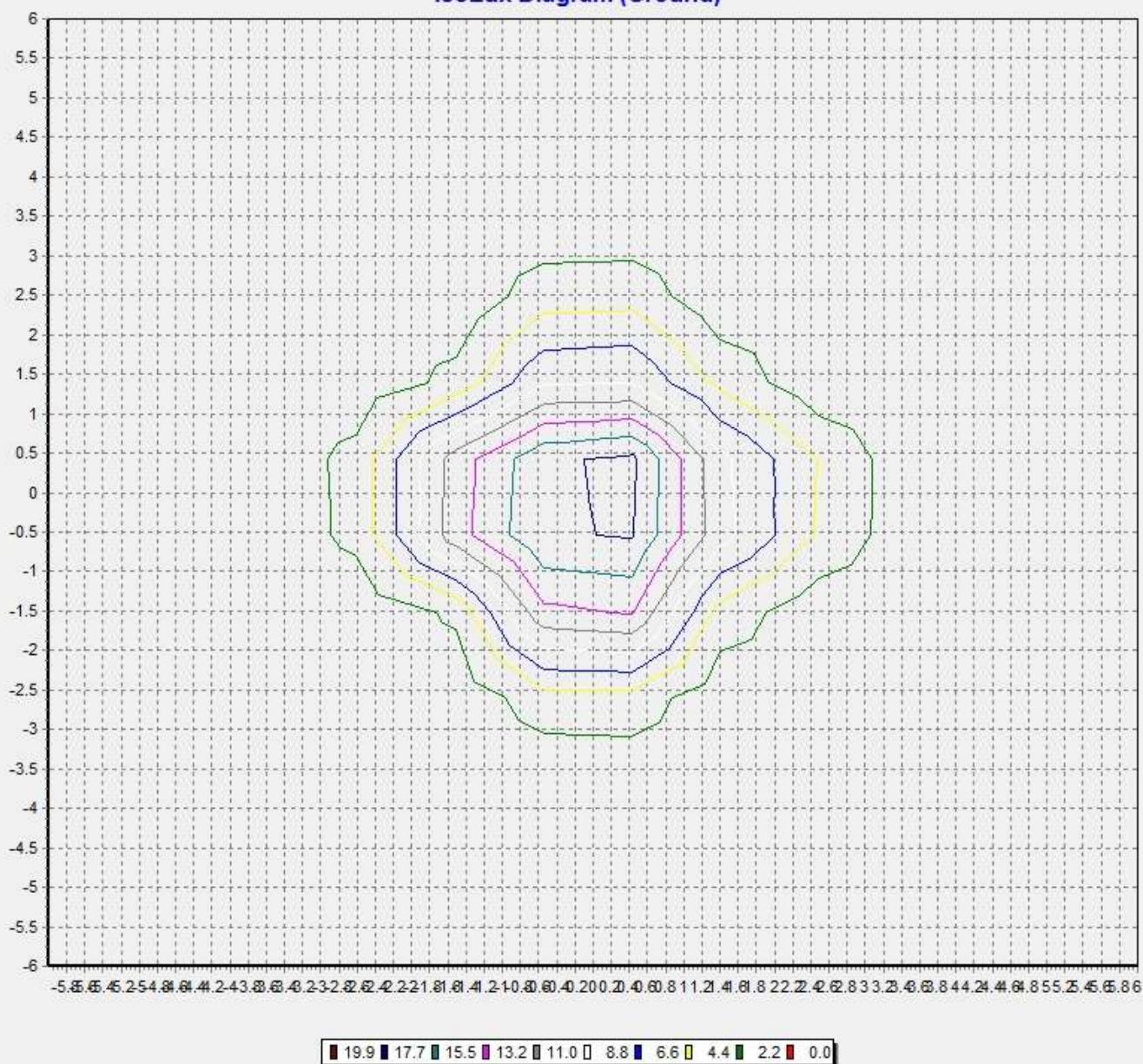
Total flux (lm) Date 167

Power Factor

1

2019-06-12 오전 11:33:53

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp Report

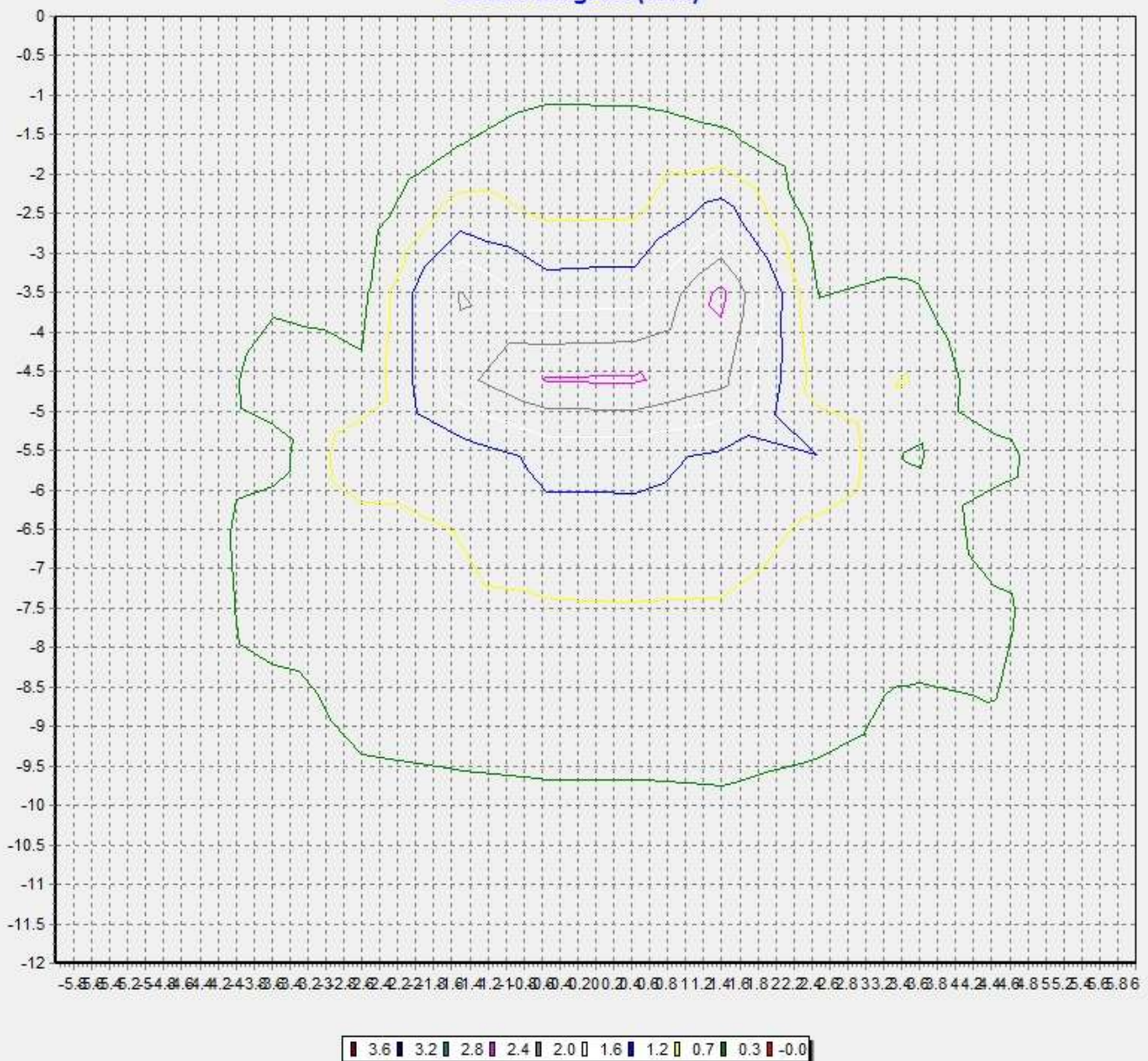
190612

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Lamp flux (lm) Operator: 7 Current (A) 0.085 CGR

Total flux (lm) Date 167 Power Factor 1 2019-06-12 오전 11:33:53

IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider

Luminaire

Lamp				Report	190612
No. of lamps	1	Voltage (V)	23.98	Filename Z:\₩신뢰성시험실 계측기 데이터\배광측정기_GONI-150SWData\2019W190612 MRS3 30K-24V-60.jdt	
Lamp flux (lm)	167	Current (A)	0.085	Operator	CGR
Total flux (lm)	167	Power Factor	1	Date	2019-06-12 오전 11:33:53

Illuminance Levels (Ground)

6.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5.00	0.01	0.01	0.01	0.01	0.06	0.08	0.08	0.07	0.06	0.01	0.01	0.00	0.01
4.00	0.00	0.01	0.05	0.08	0.05	0.08	0.09	0.08	0.05	0.09	0.06	0.01	0.00
3.00	0.01	0.02	0.08	0.07	0.55	0.27	0.39	0.29	0.54	0.08	0.10	0.02	0.01
2.00	0.01	0.06	0.05	0.56	0.60	1.84	3.25	1.71	0.68	0.70	0.06	0.07	0.01
1.00	0.01	0.07	0.08	0.28	1.84	9.56	15.78	10.07	1.77	0.30	0.10	0.10	0.01
0.00	0.01	0.08	0.09	0.40	3.33	15.82	19.48	16.16	3.99	0.50	0.12	0.10	0.02
-1.00	0.01	0.07	0.08	0.32	2.27	10.13	16.53	10.88	2.26	0.36	0.10	0.09	0.01
-2.00	0.01	0.08	0.07	0.58	0.70	2.33	4.15	2.26	0.79	0.77	0.06	0.08	0.01
-3.00	0.01	0.02	0.09	0.08	0.75	0.35	0.53	0.35	0.76	0.08	0.11	0.02	0.01
-4.00	0.01	0.01	0.06	0.10	0.07	0.09	0.11	0.09	0.06	0.10	0.06	0.01	0.01
-5.00	0.01	0.01	0.01	0.02	0.08	0.09	0.10	0.09	0.08	0.02	0.01	0.01	0.01
-6.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-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.): 19.48

All illuminance level values are in lux.

Illum. (Min.): 0.00

Illum. Avg.: 1.02

Total Optical Solution Provider


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

Luminaire

Lamp Report

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Lamp flux (lm) Operator 7

Current (A)

0.085

CGR

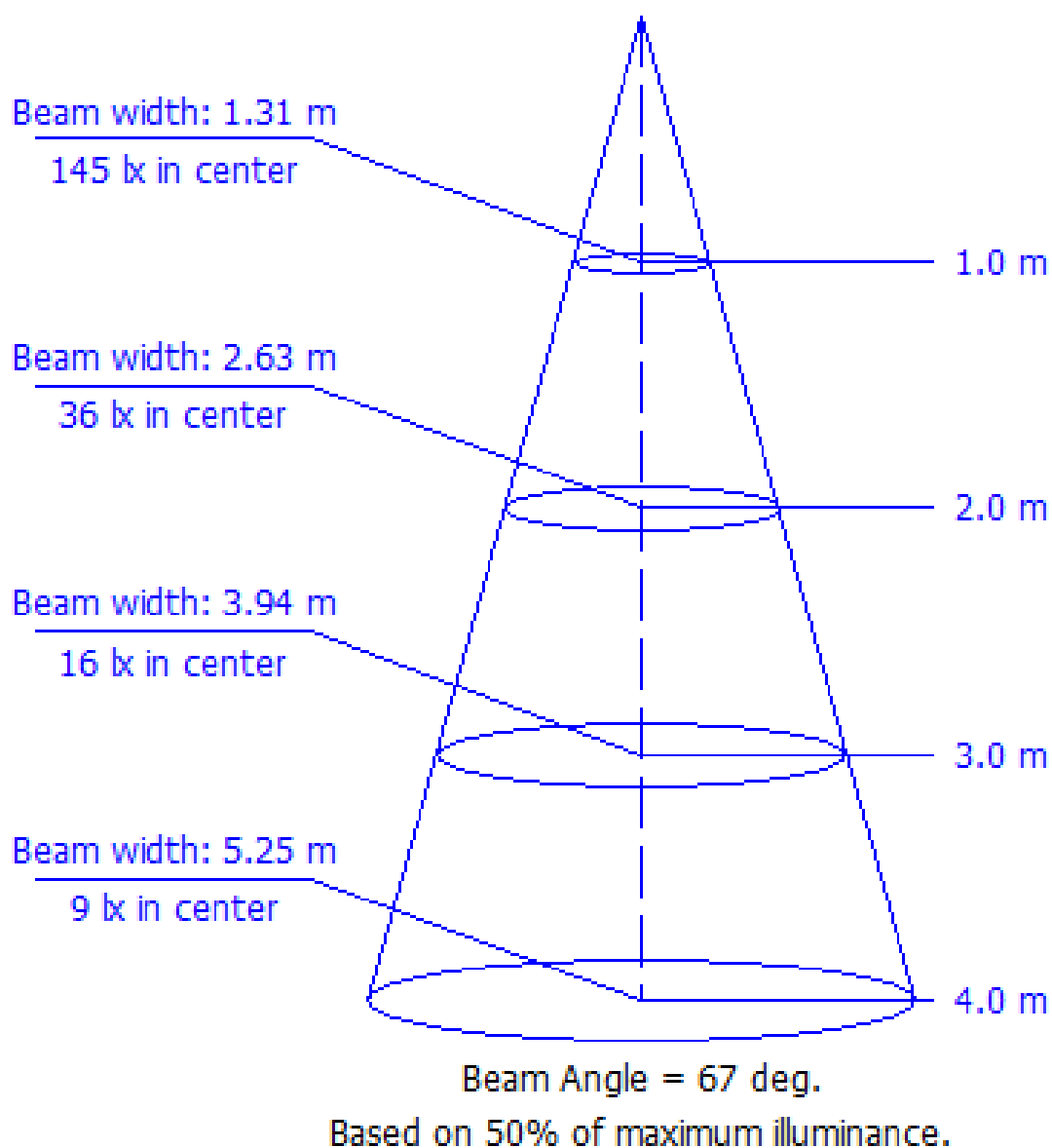
Total flux (lm) Date 167

Power Factor

1

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Illuminance Cone Diagram



Luminaire

Lamp				Report	190612
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Total flux (lm)	167	Power Factor	1	Date	2019-06-12 오전 11:33:53

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