

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 DVS4A 40K-24V-SW-WT-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.

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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
190612	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3872, 0.3873	
Correlated Color Temperature	K	3906	
Ra	-	81.67	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.193	
Input Watt	W	4.61	
Lamp Flux	lm	488	
Efficient	lm/W	105.57	
Illuminance	lx	450	1 m
		112	2 m
		50	3 m

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

Sample photo

Click to load image

Luminaire

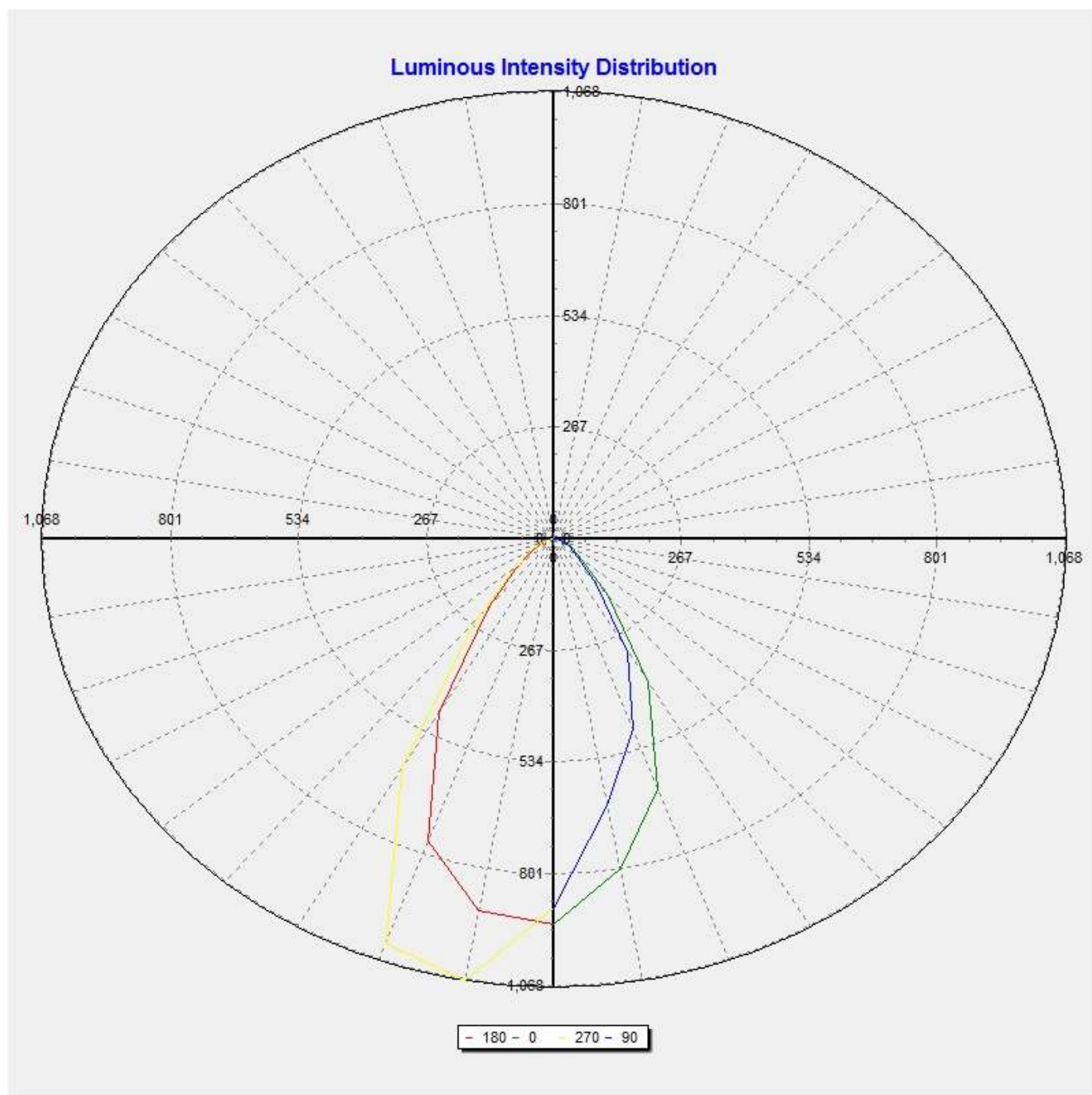
LamReport

190612

No. Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150S\Data\2019\W190612 DVS4A 40K-24V-SW-WT-60.jdt

LamOperaton) 488 Current (A) 0.193 CGR

Tot&Datex (lm) 488 Power Factor 1 2019-06-12 오후 4:15:43



All luminous intensity values are in Cd/KLm unit.

Luminaire

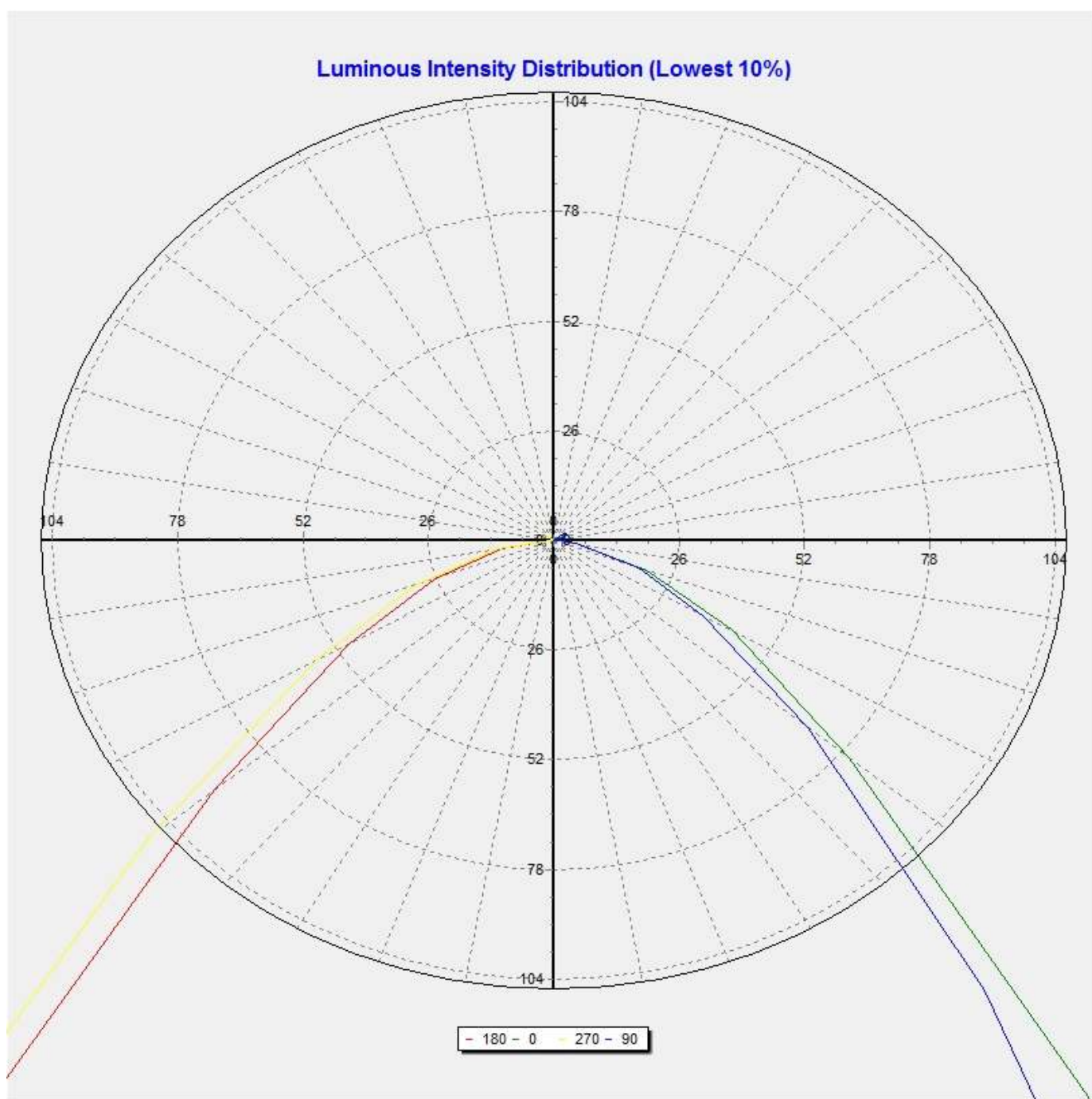
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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	449.76	440.03	435.25	431.00	433.79	436.95	449.76	440.03	435.25	431.00	433.79	436.95	449.76
10	389.98	348.75	324.78	315.70	332.37	366.63	440.27	485.66	519.03	522.78	496.34	449.38	389.98
20	311.13	270.90	245.61	235.53	253.00	287.31	374.48	441.40	491.16	502.52	466.16	393.47	311.13
30	193.13	170.20	159.22	151.92	157.67	166.87	234.47	273.12	295.11	308.82	294.34	263.00	193.13
40	84.11	76.61	71.93	67.92	68.94	71.72	101.27	114.60	121.44	124.34	124.64	116.68	84.11
50	39.06	36.29	34.79	33.61	33.56	35.01	44.73	50.14	53.48	53.53	53.91	50.10	39.06
60	20.72	19.52	18.68	17.48	18.72	18.82	23.91	26.32	28.15	27.65	27.09	25.69	20.72
70	10.05	8.62	9.41	9.19	9.15	9.37	12.75	13.92	14.30	15.07	14.25	12.92	10.05
80	2.24	1.57	2.16	2.27	2.17	3.10	5.39	5.67	5.06	5.75	4.63	4.17	2.24
90	0.83	0.02	0.13	0.69	0.81	0.67	0.29	0.25	0.52	0.24	0.16	0.02	0.83
100	0.04	0.58	0.30	-0.28	0.47	0.06	0.25	0.54	0.30	-0.29	0.38	0.52	0.04
110	1.17	1.02	0.37	1.06	0.41	0.48	0.07	0.20	0.02	0.35	-0.42	0.60	1.17
120	1.21	0.85	0.83	1.49	1.31	0.67	0.01	0.90	0.45	0.67	1.07	0.30	1.21
130	0.98	1.38	1.62	1.33	1.93	2.09	1.02	1.23	1.27	1.19	1.08	0.84	0.98

Luminaire

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Tot&Datex (lm) 488 Power Factor 1 2019-06-12 오후 4:15:43

Luminous Flux Table

Total Lamp Lumens: 488

Luminaire Efficiency (lm/W):488.00

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	10.47	10.47	2.14	2.14
10	79.11	89.58	18.36	18.36
20	133.38	222.95	45.69	45.69
30	121.75	344.70	70.64	70.64
40	67.13	411.83	84.39	84.39
50	36.23	448.06	91.82	91.82
60	21.56	469.62	96.23	96.23
70	11.92	481.54	98.68	98.68
80	3.97	485.51	99.49	99.49
90	0.42	485.93	99.58	99.58
100	0.26	486.19	99.63	99.63
110	0.46	486.65	99.72	99.72
120	0.77	487.42	99.88	99.88
130	0.58	488.00	100.00	100.00

Luminaire

LamReport

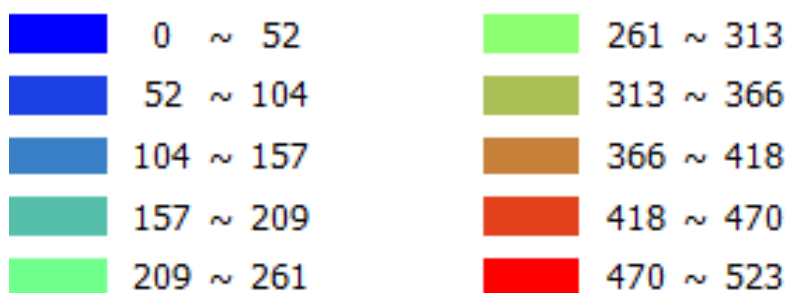
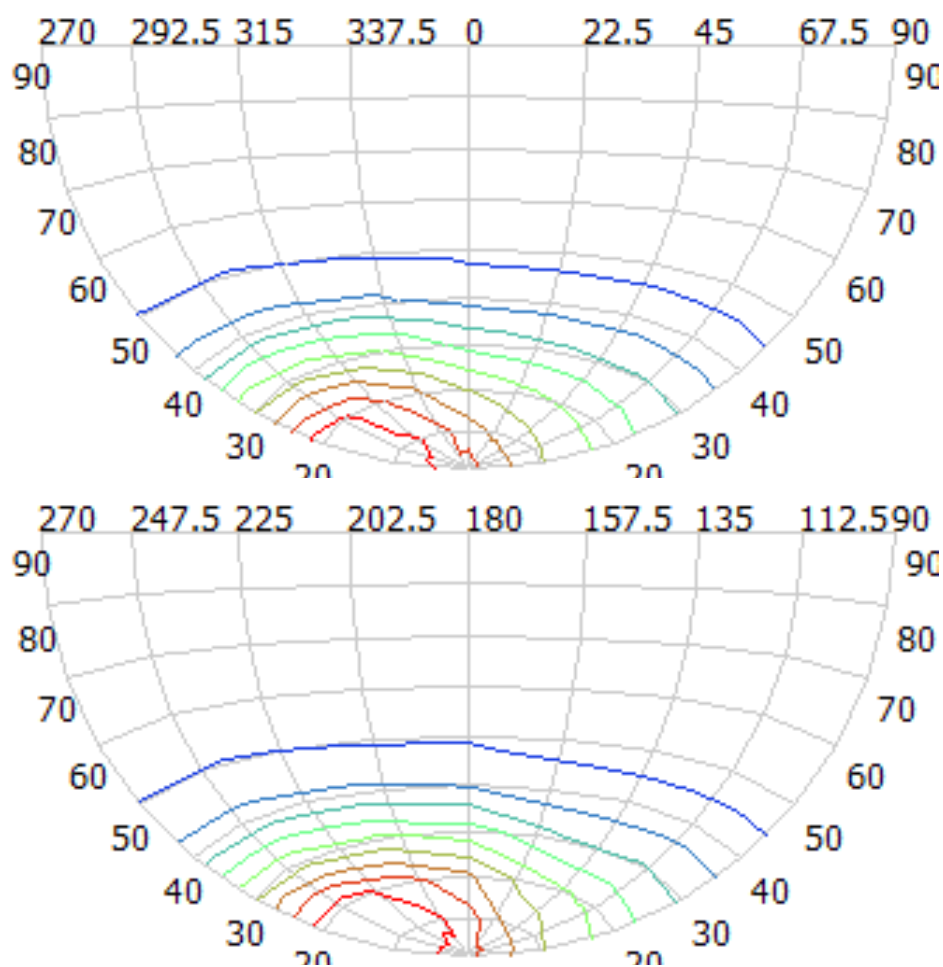
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IsoCandela (Type C)



Luminaire

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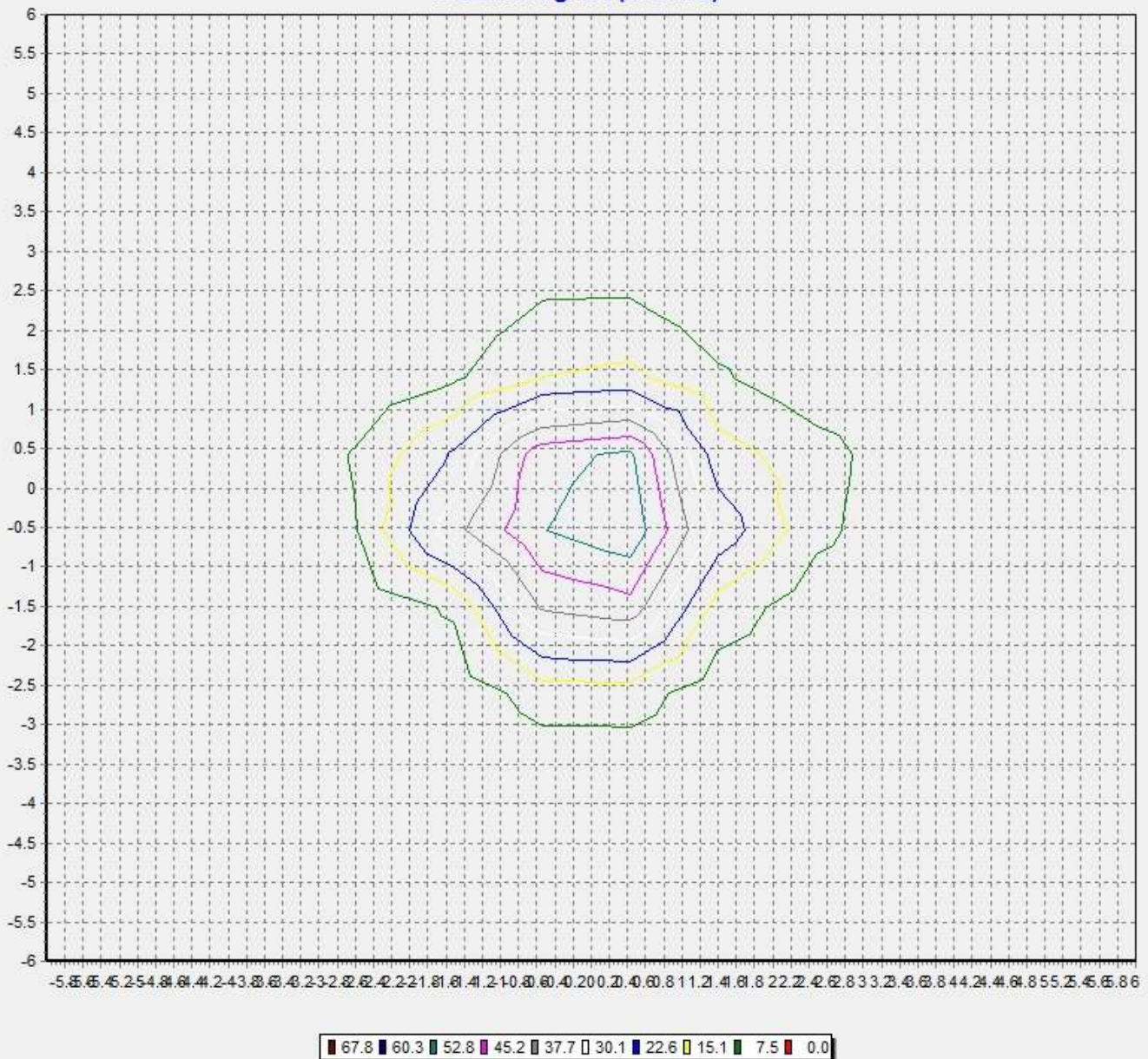
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

LamReport

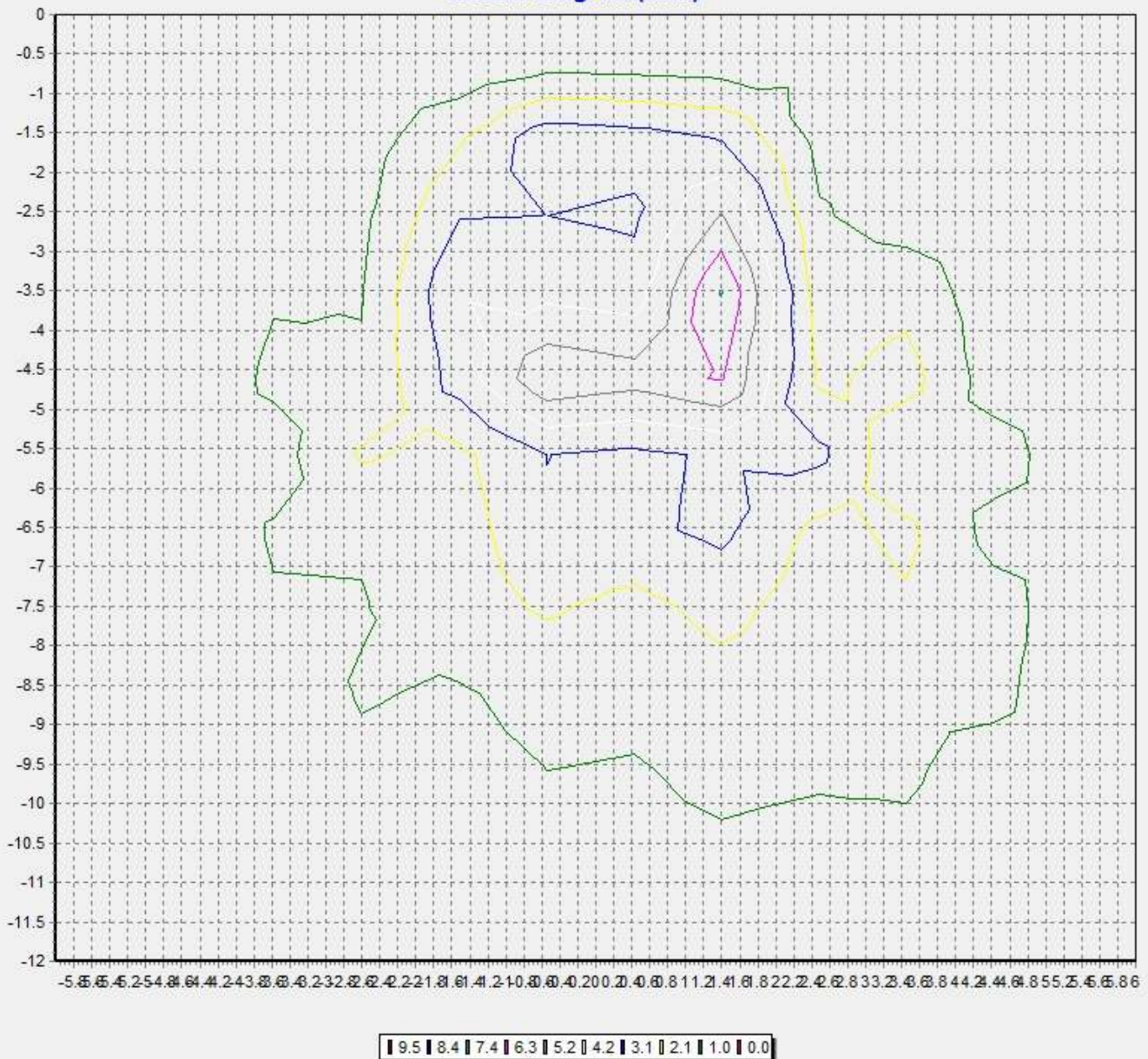
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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Luminaire			Report		190612
Lamp					
No. of lamps	1	Voltage (V)	Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150S\₩Data\2019\W190612 DVS4A 40K-24V-SW-WT-60.jdt		
Lamp flux (lm)	488	Current (A)	0. Operator CGR		
Total flux (lm)	488	Power Factor	Date 2019-06-12 오후 4:15:43		

Illuminance Levels (Ground)

6.00	0.06	0.08	0.06	0.08	0.10	0.12	0.12	0.12	0.10	0.08	0.06	0.09	0.07
5.00	0.09	0.06	0.09	0.13	0.35	0.44	0.46	0.43	0.37	0.14	0.10	0.06	0.09
4.00	0.06	0.10	0.29	0.46	0.38	0.53	0.58	0.52	0.40	0.48	0.33	0.10	0.06
3.00	0.08	0.14	0.47	0.47	1.69	1.33	1.66	1.41	1.79	0.52	0.52	0.15	0.08
2.00	0.10	0.36	0.39	1.77	2.09	4.52	6.91	4.98	2.41	2.04	0.41	0.39	0.10
1.00	0.15	0.52	0.62	1.35	4.55	16.77	35.42	19.78	5.08	1.48	0.68	0.58	0.15
0.00	0.17	0.61	0.78	2.30	10.50	49.56	61.69	43.83	8.68	1.97	0.67	0.53	0.14
-1.00	0.13	0.49	0.61	1.92	7.45	27.66	59.06	32.86	8.14	2.10	0.67	0.55	0.14
-2.00	0.14	0.51	0.54	2.50	3.14	7.60	13.41	8.21	3.60	2.85	0.57	0.54	0.15
-3.00	0.12	0.19	0.62	0.65	2.93	2.05	2.78	2.15	3.01	0.72	0.69	0.19	0.12
-4.00	0.08	0.13	0.41	0.72	0.55	0.81	0.91	0.82	0.57	0.73	0.46	0.14	0.08
-5.00	0.11	0.09	0.15	0.21	0.53	0.68	0.73	0.68	0.55	0.22	0.15	0.10	0.12
-6.00	0.09	0.13	0.09	0.12	0.15	0.18	0.19	0.18	0.15	0.12	0.09	0.13	0.09
-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.): 61.7
 All illuminance level values are in lux.
 Illum. (Min.): 0.06
 Illum. Avg.: 3.12

Total Optical Solution Provider

Luminaire

LamReport

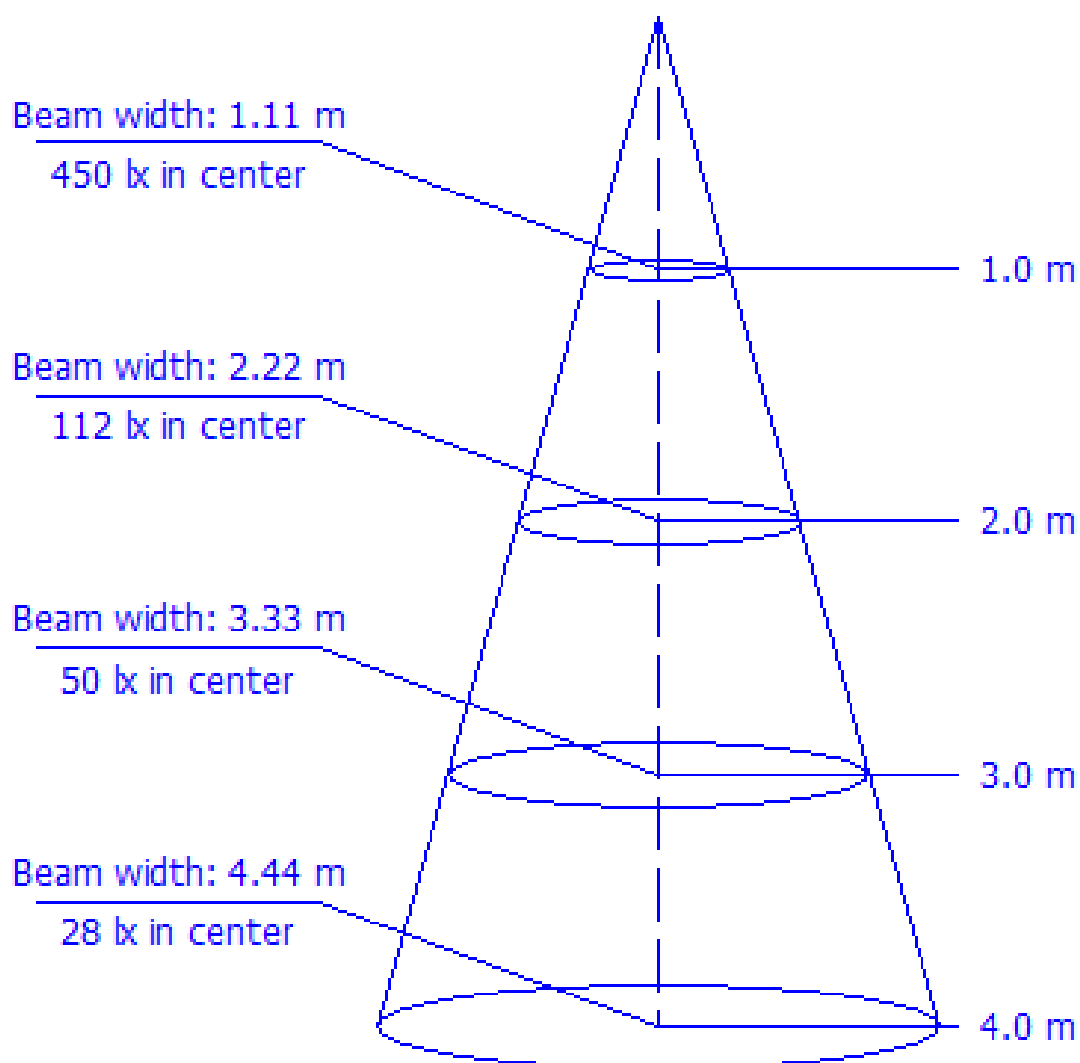
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Illuminance Cone Diagram



Beam Angle = 58 deg.

Based on 50% of maximum illuminance.

Luminaire			Report			190612
Lamp						
No. of lamps	1	Voltage (V)	23Filename Z:\₩신뢰성시험실 계측기 데이터₩배광측정기_GONI-150S₩Data₩2019₩190612 DVS4A 40K-24V-SW-WT-60.jdt			
Lamp flux (lm)	488	Current (A)	0.0Operator			CGR
Total flux (lm)	488	Power Factor	Date			2019-06-12 오후 4:15:43

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%	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	