

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 : 190426

2. Purpose of Report :

3. Test Standard / Item : LED / 190426 DVS4A 40K-24V-WT-60

4. Test Period : 190426 ~ 190426

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
190426	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3884, 0.3879	
Correlated Color Temperature	K	3881	
Ra	-	82.02	
Power Factor	%	1.000	
Input Voltage	V	23.980	
Input Current	A	0.192	
Input Watt	W	4.6	
Lamp Flux	lm	493.2	
Efficient	lm/W	107.12	
Illuminance	lx	444	1 m
		111	2 m
		49	3 m

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

Sample photo

Click to load image

Luminaire

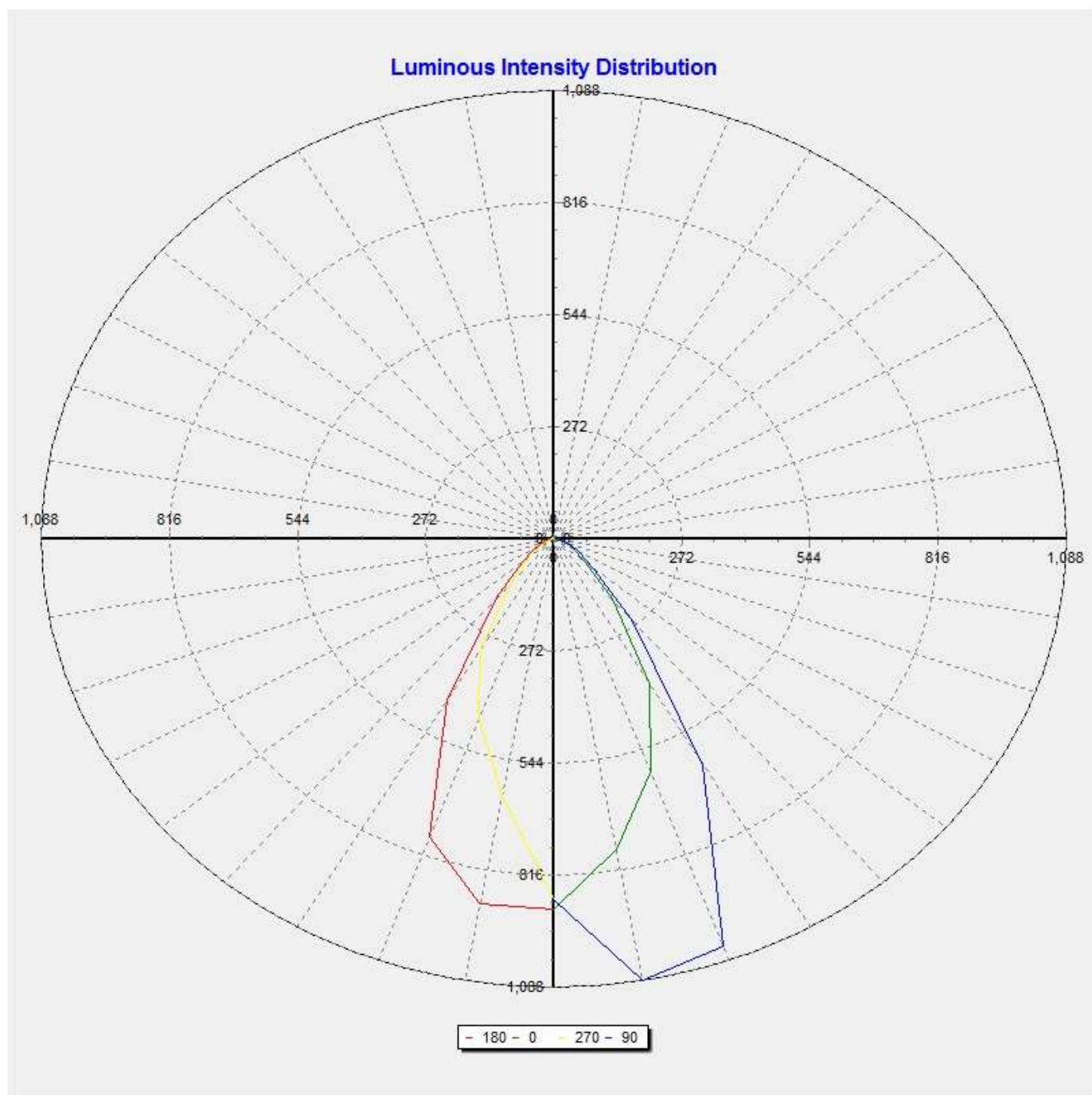
Lamp Report

190426

No. of l&Filename Z:\₩신뢰성시험실 계측기 데이터₩배광측정기_GONI-150S\WData\2019\W190426 DVS4A 40K-24V-WT-60.jdt

Lamp flOperator 493 Current (A) 0.192 CGR

Total fluDate) 493 Power Factor 1 2019-04-26 오후 2:11:43



All luminous intensity values are in Cd/KLm unit.

Luminaire

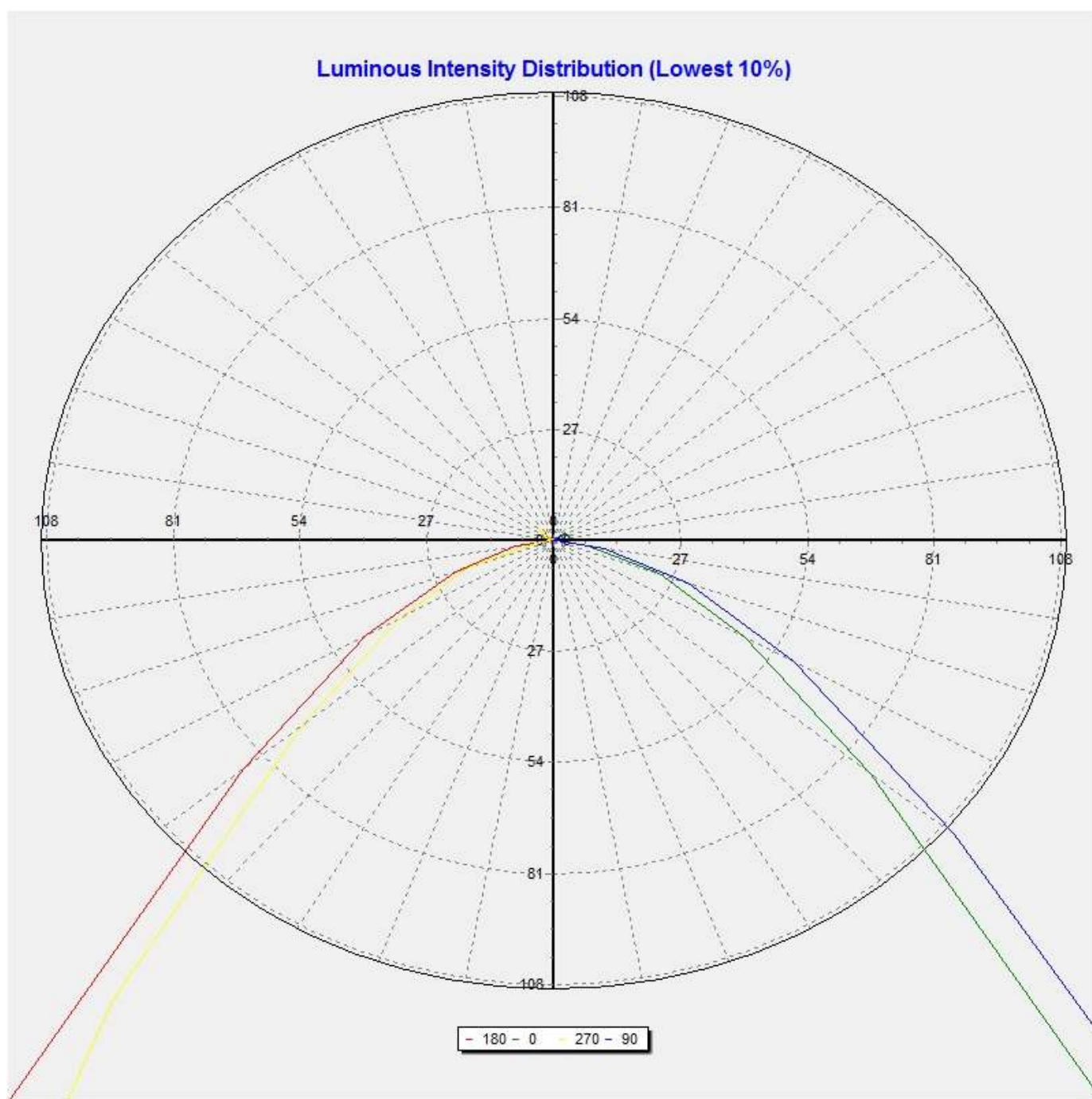
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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	443.92	438.37	433.45	432.72	429.87	433.92	443.92	438.37	433.45	432.72	429.87	433.92	443.92
10	377.38	430.03	491.94	536.94	541.29	504.13	444.06	381.97	332.44	310.26	307.45	328.32	377.38
20	296.51	362.66	457.11	518.90	532.53	471.42	379.49	309.60	253.33	228.83	228.51	247.43	296.51
30	200.32	236.25	283.46	312.86	325.09	291.17	222.14	189.67	163.12	155.10	154.85	164.51	200.32
40	94.92	106.59	119.88	126.14	134.10	119.63	92.47	81.47	73.72	72.07	72.37	78.03	94.92
50	43.53	48.23	52.84	54.94	58.79	51.88	42.53	37.99	35.39	34.26	34.97	36.62	43.53
60	23.01	24.78	27.12	28.95	30.67	27.47	22.69	20.32	19.59	18.79	18.80	20.02	23.01
70	11.73	12.48	14.53	14.93	15.20	13.44	11.03	10.36	9.35	9.56	9.27	10.04	11.73
80	3.66	4.27	5.43	5.42	6.05	5.53	4.04	2.31	2.11	1.94	2.62	2.96	3.66
90	0.23	0.11	0.80	0.22	0.29	0.03	-0.38	-0.22	0.23	0.50	0.60	0.07	0.23
100	0.34	0.22	0.31	0.33	0.62	-0.27	0.21	0.18	-0.35	0.48	0.63	0.34	0.34
110	0.37	0.50	0.53	-0.34	-0.12	0.52	-0.02	0.79	0.63	0.90	0.66	0.05	0.37
120	1.52	0.98	0.79	0.60	0.27	0.43	0.46	0.74	0.68	0.99	0.91	0.70	1.52
130	1.38	1.54	1.23	0.91	1.10	1.70	1.47	1.34	1.36	2.05	1.31	1.57	1.38

Luminaire

Lamp Report

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Lamp flOperator 493 Current (A) 0.192 CGR

Total fluDate) 493 Power Factor 1 2019-04-26 오후 2:11:43

Luminous Flux Table

Total Lamp Lumens: 493

Luminaire Efficiency (lm/W):493.16

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	10.41	10.41	2.11	2.11
10	79.03	89.43	18.13	18.14
20	133.80	223.24	45.26	45.27
30	123.15	346.38	70.23	70.24
40	68.72	415.11	84.17	84.17
50	37.19	452.30	91.71	91.71
60	22.31	474.61	96.23	96.24
70	12.17	486.78	98.70	98.71
80	4.17	490.94	99.54	99.55
90	0.23	491.17	99.59	99.60
100	0.27	491.44	99.64	99.65
110	0.38	491.83	99.72	99.73
120	0.72	492.55	99.87	99.88
130	0.61	493.16	99.99	100.00

Luminaire

Lamp Report

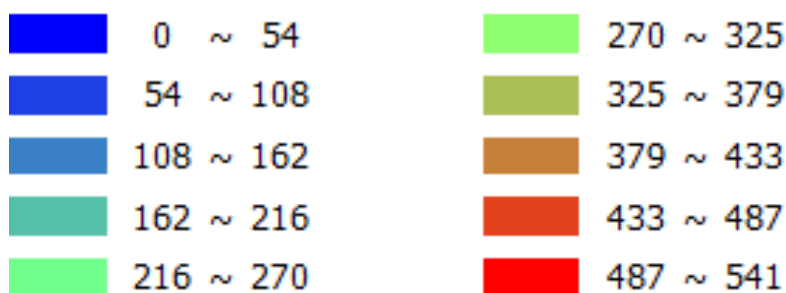
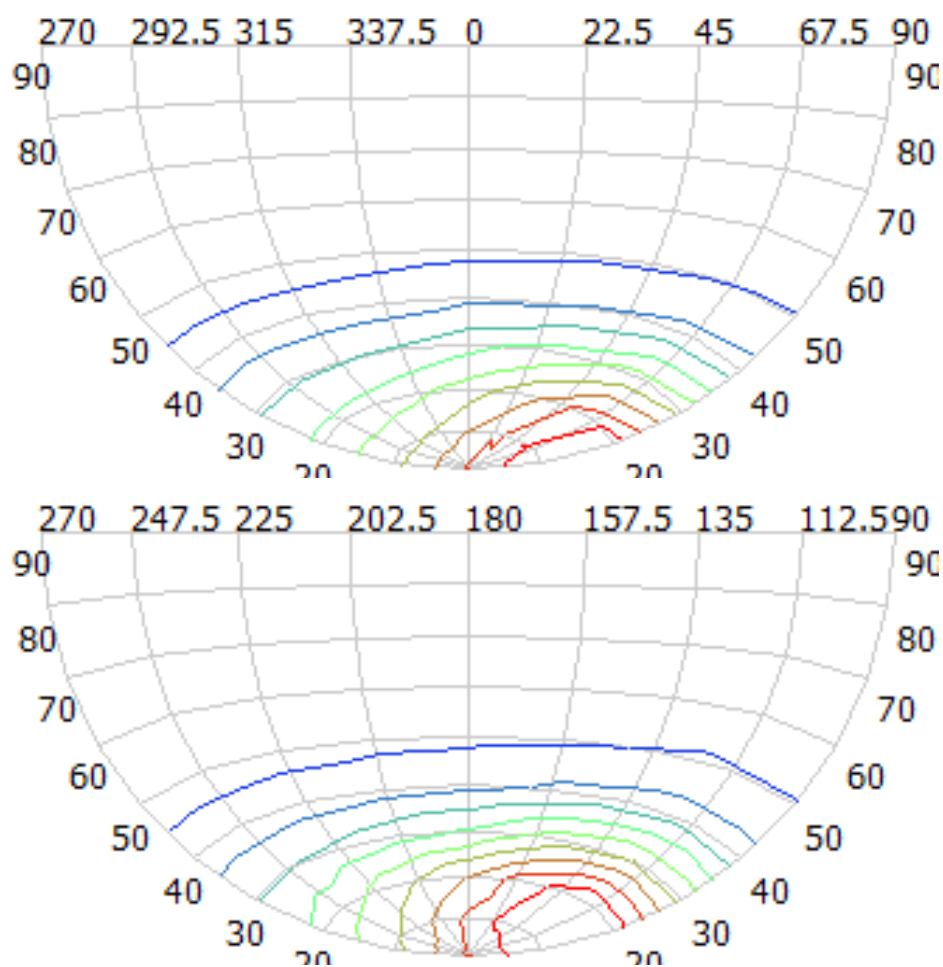
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IsoCandela (Type C)



Luminaire

Lamp Report

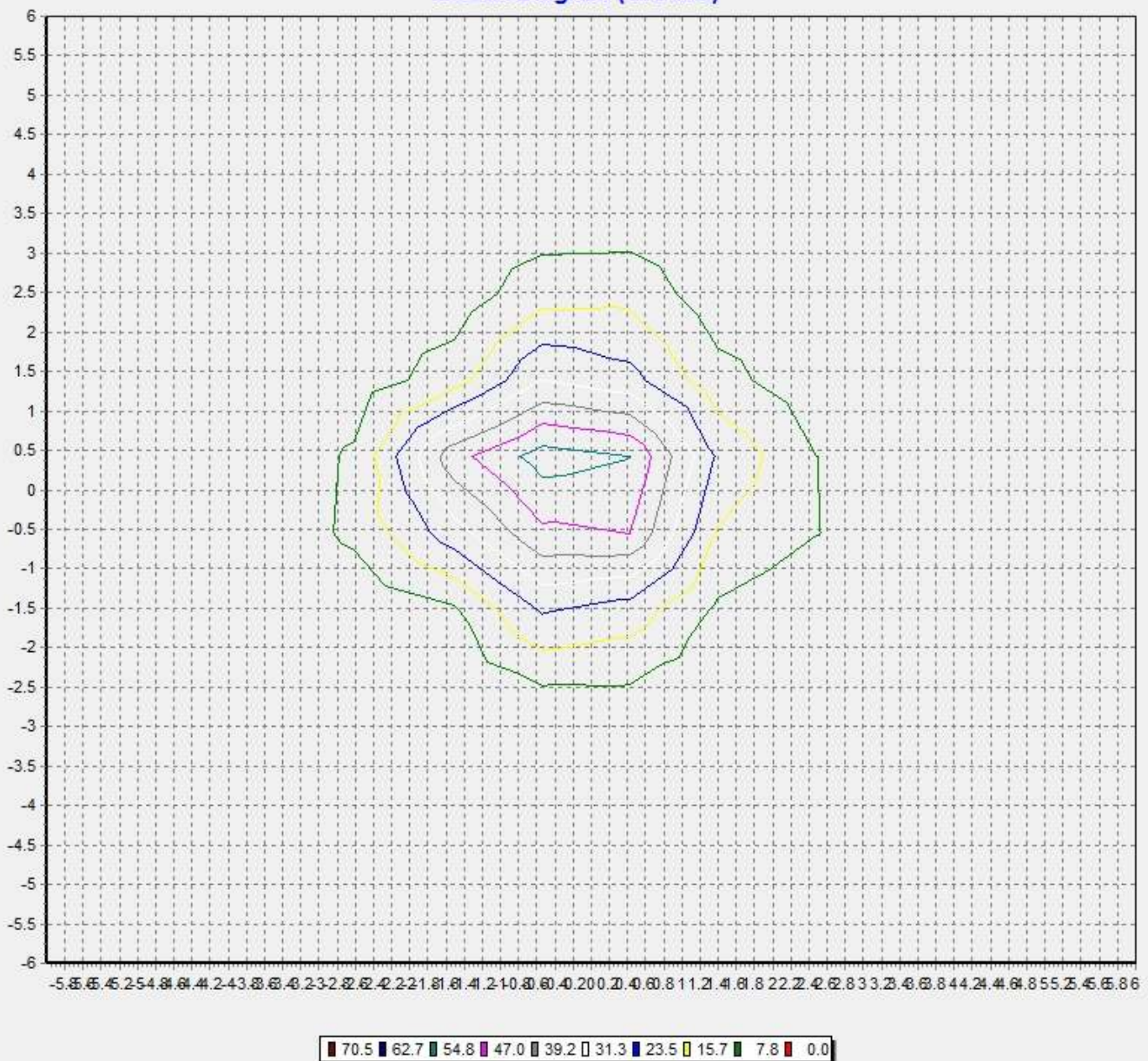
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Total fluDate) 493 Power Factor 1 2019-04-26 오후 2:11:43

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp Report

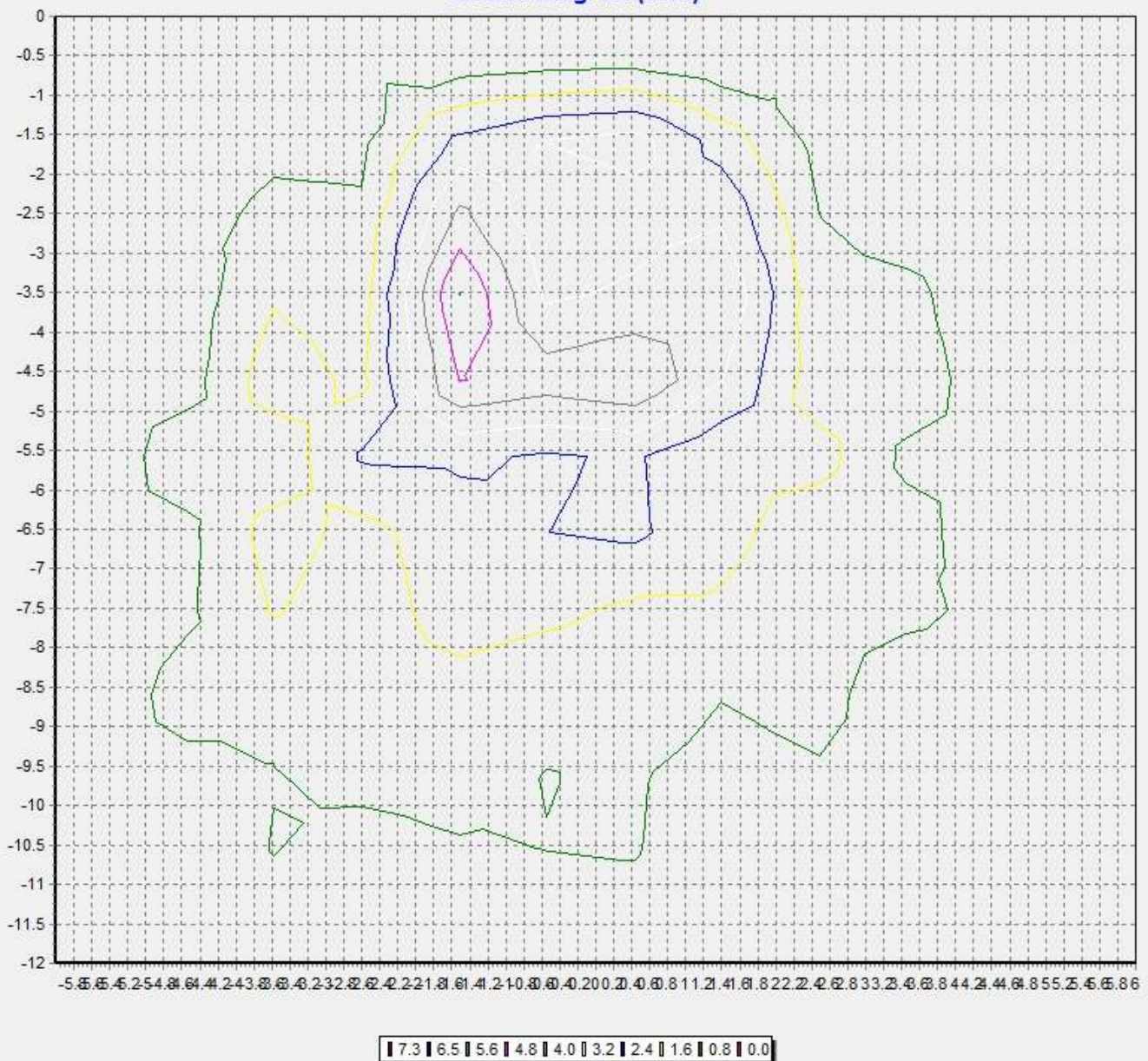
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Total fluDate) 493 Power Factor 1 2019-04-26 오후 2:11:43

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			Report			190426
Lamp						
No. of lamps	1	Voltage (V)	23.98	Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150SWData\2019W190426 DVS4A 40K-24V-WT-60.jdt		
Lamp flux (lm)	493	Current (A)	0.192	Operator CGR		
Total flux (lm)	493	Power Factor	1	Date 2019-04-26 오후 2:11:43		

Illuminance Levels (Ground)

6.00	0.10	0.13	0.09	0.13	0.16	0.18	0.20	0.18	0.14	0.11	0.09	0.12	0.08
5.00	0.13	0.10	0.15	0.22	0.60	0.68	0.75	0.68	0.51	0.21	0.14	0.08	0.11
4.00	0.09	0.15	0.49	0.76	0.64	0.82	0.95	0.82	0.52	0.70	0.39	0.12	0.07
3.00	0.13	0.21	0.73	0.77	3.08	2.29	2.84	1.99	2.87	0.62	0.61	0.18	0.11
2.00	0.16	0.59	0.63	2.94	3.78	8.79	13.59	7.08	2.98	2.36	0.51	0.49	0.13
1.00	0.15	0.58	0.72	2.24	8.74	35.06	60.67	23.31	6.89	1.85	0.62	0.50	0.13
0.00	0.15	0.58	0.74	2.15	9.79	50.00	60.89	42.39	9.36	2.21	0.75	0.59	0.16
-1.00	0.16	0.61	0.73	1.58	5.44	22.75	34.80	16.43	4.77	1.41	0.62	0.52	0.14
-2.00	0.12	0.41	0.43	2.23	2.59	5.30	7.18	4.72	2.19	1.90	0.39	0.37	0.10
-3.00	0.09	0.17	0.56	0.55	1.84	1.47	1.72	1.37	1.78	0.48	0.49	0.15	0.08
-4.00	0.07	0.11	0.35	0.49	0.42	0.55	0.60	0.55	0.39	0.47	0.30	0.10	0.06
-5.00	0.10	0.07	0.10	0.15	0.39	0.44	0.47	0.45	0.36	0.14	0.10	0.06	0.09
-6.00	0.07	0.09	0.06	0.09	0.11	0.12	0.13	0.12	0.10	0.08	0.06	0.09	0.06
-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.): 60.8
 All illuminance level values are in lux.
 Illum. (Min.): 0.06
 Illum. Avg.: 3.14

Total Optical Solution Provider

Luminaire

Lamp Report

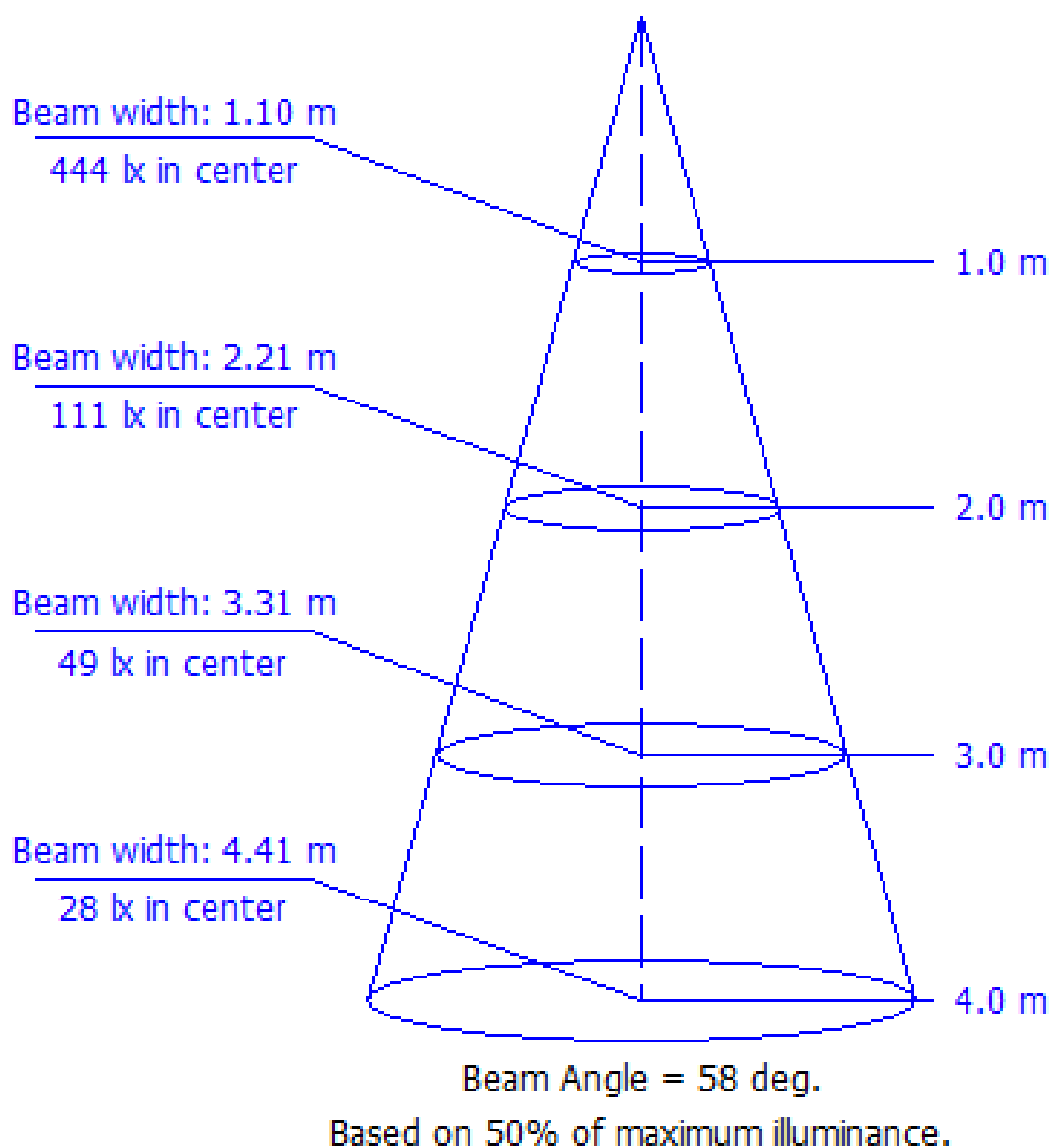
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Illuminance Cone Diagram



Luminaire

Lamp		Report	190426
No. of lamps	1	Voltage (V)	23.98 Filename Z:\₩신뢰성시험실 계측기 데이터\₩배광측정기_GONI-150SWData\2019W190426 DVS4A 40K-24V-WT-60.jdt
Lamp flux (lm)	493	Current (A)	0.192 Operator CGR
Total flux (lm)	493	Power Factor	1 Date 2019-04-26 오후 2:11:43

Coefficient of Utilization

Refl. Ceiling (%)	80%	80%	80%	70%	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	