

# TEST REPORT

**1. Applicant**

\* Client Name :  
\* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844  
\* Date of Receipt : 230511

**2. Purpose of Report :****3. Number of Report :** 230510**4. Test Standard / Item :** / DVP POLE 30K 25도**5. Test Period :** 230511 ~ 230511**6. Test Environment**

\* Ambient Temp. : 22.0 +- 3 °C  
\* Relative Humidity : 60.0 +- 10 % RH

**7. Test Item**

\* Name of Product :  
\* Rating :  
\* Model :

**8. Test Result :** Refer to the attachment

Confirmation	Test by		Technical manager	
	PKW	Sign	PKW	Sign

\*\*\*\*\*

- \* 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).

## Result

Report Number	Sample Name	Sample Number	Test Standard
230510			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4438 , 0.4123	
Correlated Color Temperature	K	2954	
Ra		92.69	
Power Factor		1.000	
Input Voltage	V	23.979	
Input Current	A	0.109	
Input Watt	W	2.6231	
Lamp Flux	lm	240.9	
Efficient	lm/W	91.84	
luminous Intensity (Max , Center)	cd	989 , 989	
Illuminance	lx	989	1 m
		247	2 m
		110	3 m

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

\* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

230510

No. of lamps 1

Voltage (V) 23.979

Filename DVP POLE 30K 25도.jdt

Lamp flux (lm) 241

Current (A) 0.10939

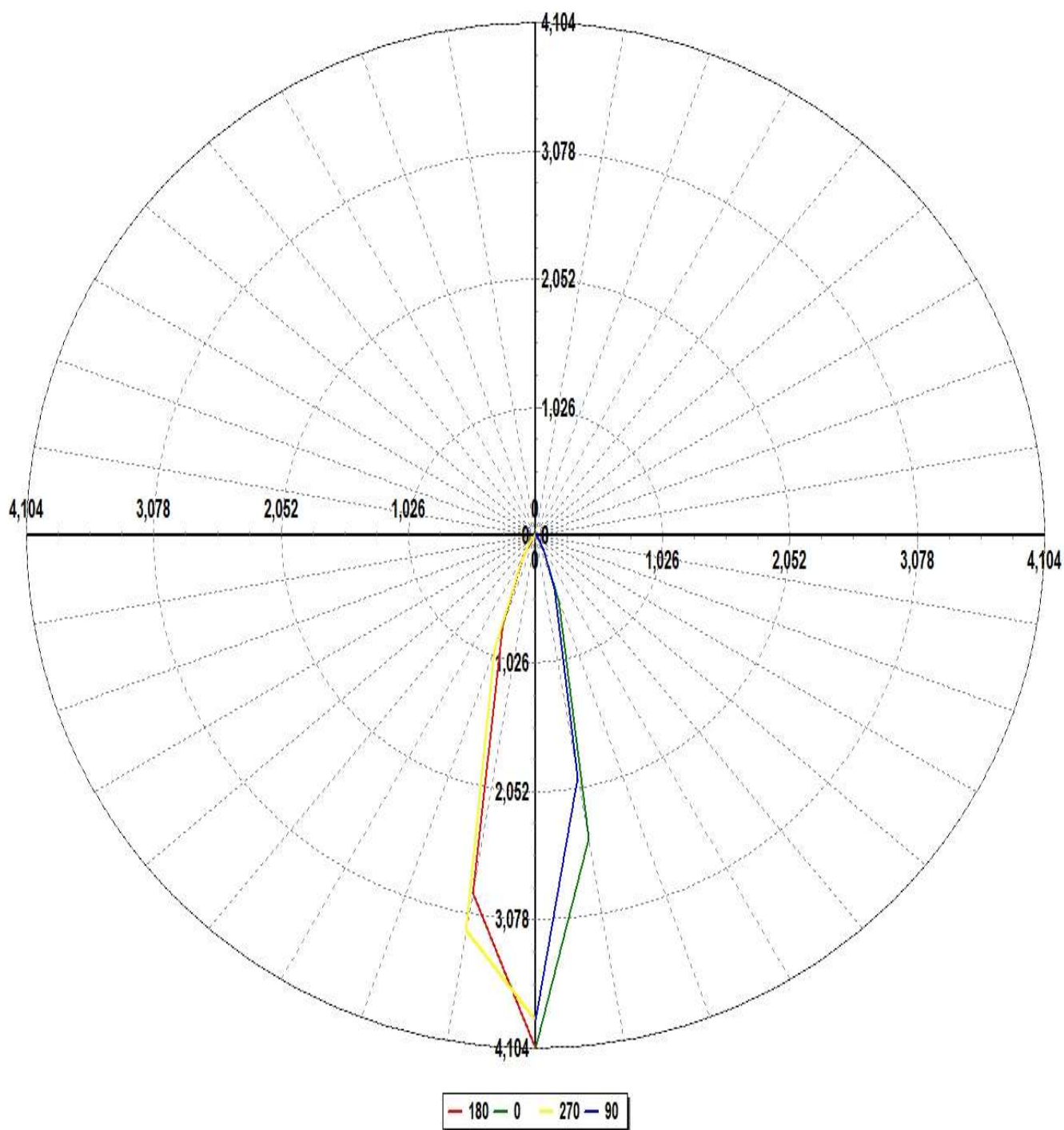
Operator

Total flux (lm) 241

Power Factor 1

Date 2023-05-10 오전 11:58:28

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

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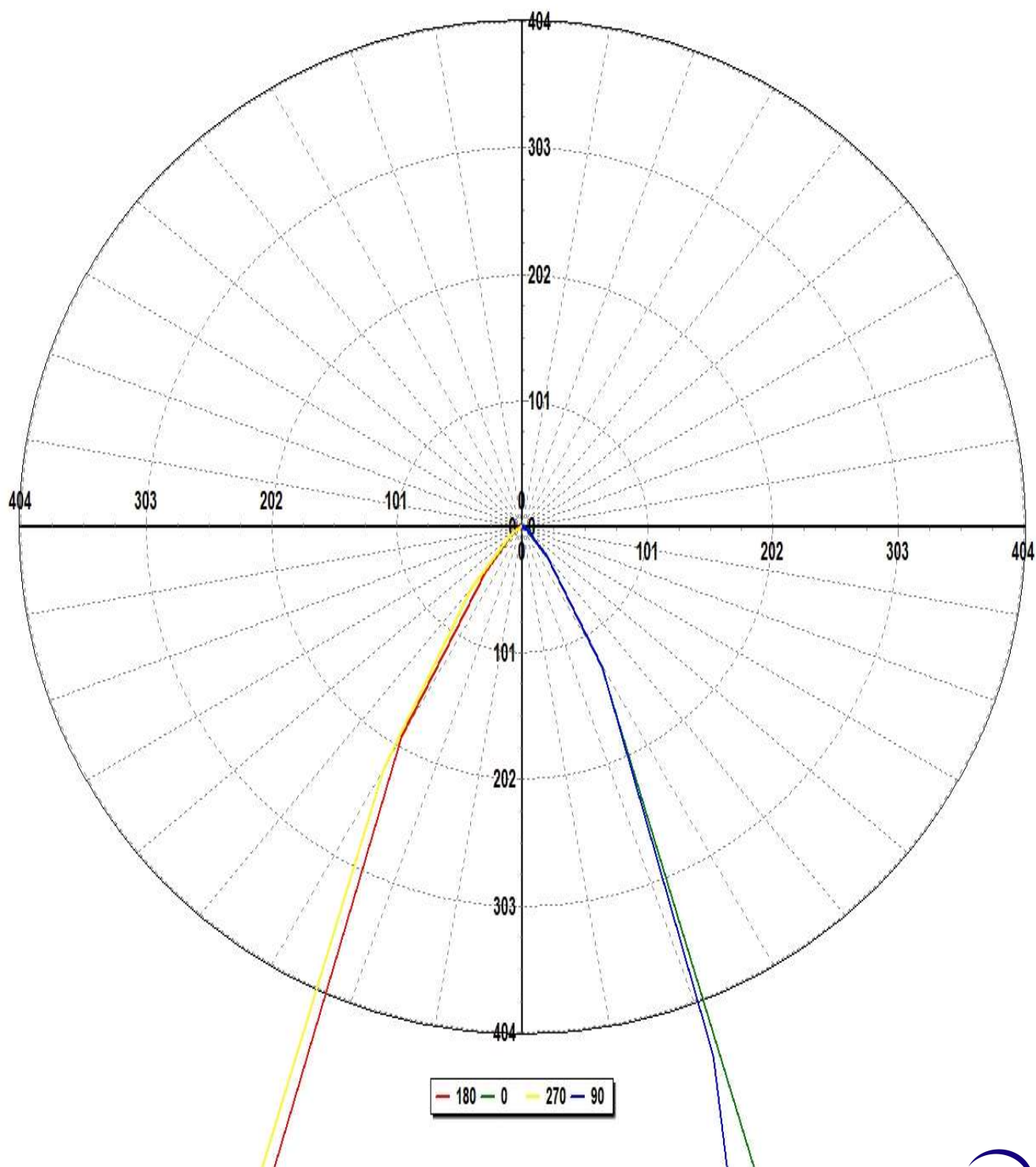
Operator

Total flux (lm) 241

Power Factor 1

Date 2023-05-10 오전 11:58:28

## Luminous Intensity Distribution (Lowest 10%)



Total Optical Solution Provider

Luminaire KH FEELUX

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Operator

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Power Factor 1

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## Luminous Intensity Data

Maximum (cd) : 989

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	989.03	988.5	987.12	934.94	938.35	931.74	989.03	988.5	987.12	934.94	938.35
10	593.34	564.23	534.73	473.38	530.24	548.28	700.31	725.38	758.02	773.37	716.64
20	132.83	124.44	131.39	108.4	115.41	133.15	183.07	207.83	232.48	235.99	203.3
30	30.6	28.2	30.77	31.07	32.29	37.83	46.63	55.25	55.07	53.77	53.2
40	7.73	6.1	7.2	7.35	7.4	11.03	11.09	13.44	15.56	15.28	13.48
50	1.65	2.12	2.38	2.21	2.4	3.06	3.18	4.38	4.4	4.4	3.22
60	1.84	2.02	0.62	1.09	1.86	2.41	1.78	1.87	1.96	1.82	1.65
70	-0.28	0.3	0.13	-0.15	0.49	0.22	1.12	1.12	1.47	0.79	0.59
80	0.53	0	0.04	0.42	0.19	0.1	0.09	0.35	-0.03	0.31	-0.1
90	-0.65	-0.02	0.46	0.09	-0.26	0.41	-0.43	0.46	0.25	-1.35	0.63
100	-0.47	-0.1	0.43	0.29	-0.16	0.4	-0.19	0.5	0.13	-0.18	-0.24
110	-0.86	0.03	0.23	0.14	-0.24	-0.52	0.6	-0.59	-0.11	0.07	0.05
120	-0.2	0.02	0.45	-0.5	-0.56	0.43	0.39	0.21	0.33	-0.22	0.04
130	0.26	1.02	0.81	0.23	0.81	0.94	0.22	0.17	0.3	0.28	0.48

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Operator

Total flux (lm) 241

Power Factor 1

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## Luminous Intensity Data (Continued)

Maximum (cd) : 989

Minimum (cd) : -1

G/C	330	360
0	931.74	989.03
10	687.16	593.34
20	176.41	132.83
30	48.62	30.6
40	11.47	7.73
50	3.51	1.65
60	1.38	1.84
70	0.18	-0.28
80	-0.46	0.53
90	0.14	-0.65
100	0.55	-0.47
110	0.15	-0.86
120	-0.62	-0.2
130	-0.27	0.26

Luminaire KH FEELUX

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Power Factor 1

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## Luminous Flux Table

Total Lamp Lumens: 240.87

Luminaire Efficiency (lm/W): 91.83

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	22.99	22.99	9.54	9.54
10	120.53	143.52	59.58	59.58
20	61.95	205.48	85.30	85.30
30	22.97	228.45	94.83	94.84
40	7.46	235.90	97.93	97.94
50	2.58	238.48	99.00	99.01
60	1.60	240.09	99.66	99.67
70	0.51	240.60	99.88	99.89
80	0.13	240.73	99.93	99.94
90	-0.03	240.70	99.92	99.93
100	0.09	240.79	99.95	99.97
110	-0.09	240.70	99.92	99.93
120	-0.02	240.68	99.91	99.92
130	0.19	240.87	99.99	100.00

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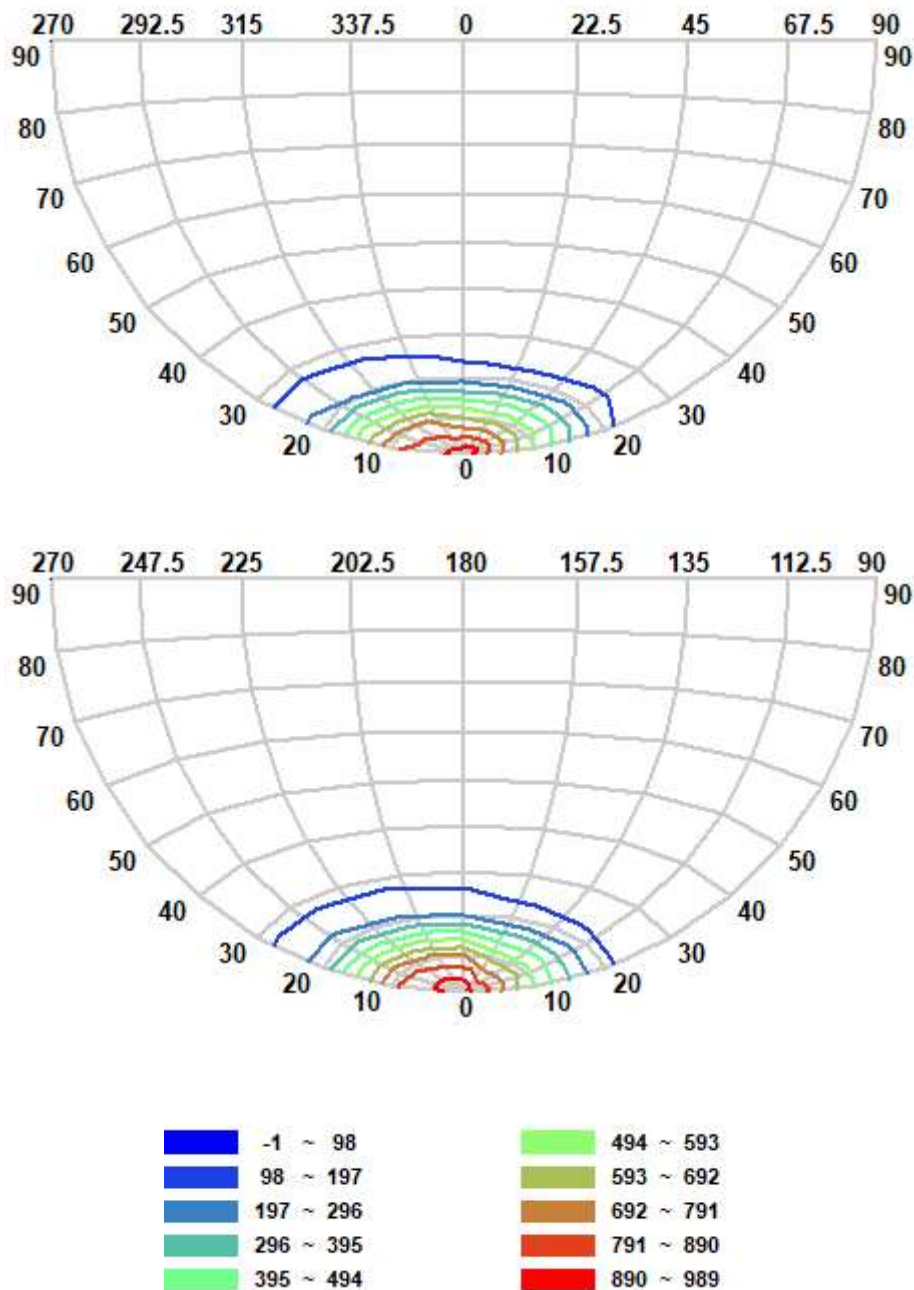
Operator

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Power Factor 1

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## IsoCandela (Type C)



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Lamp flux (lm) 241

Current (A) 0.10939

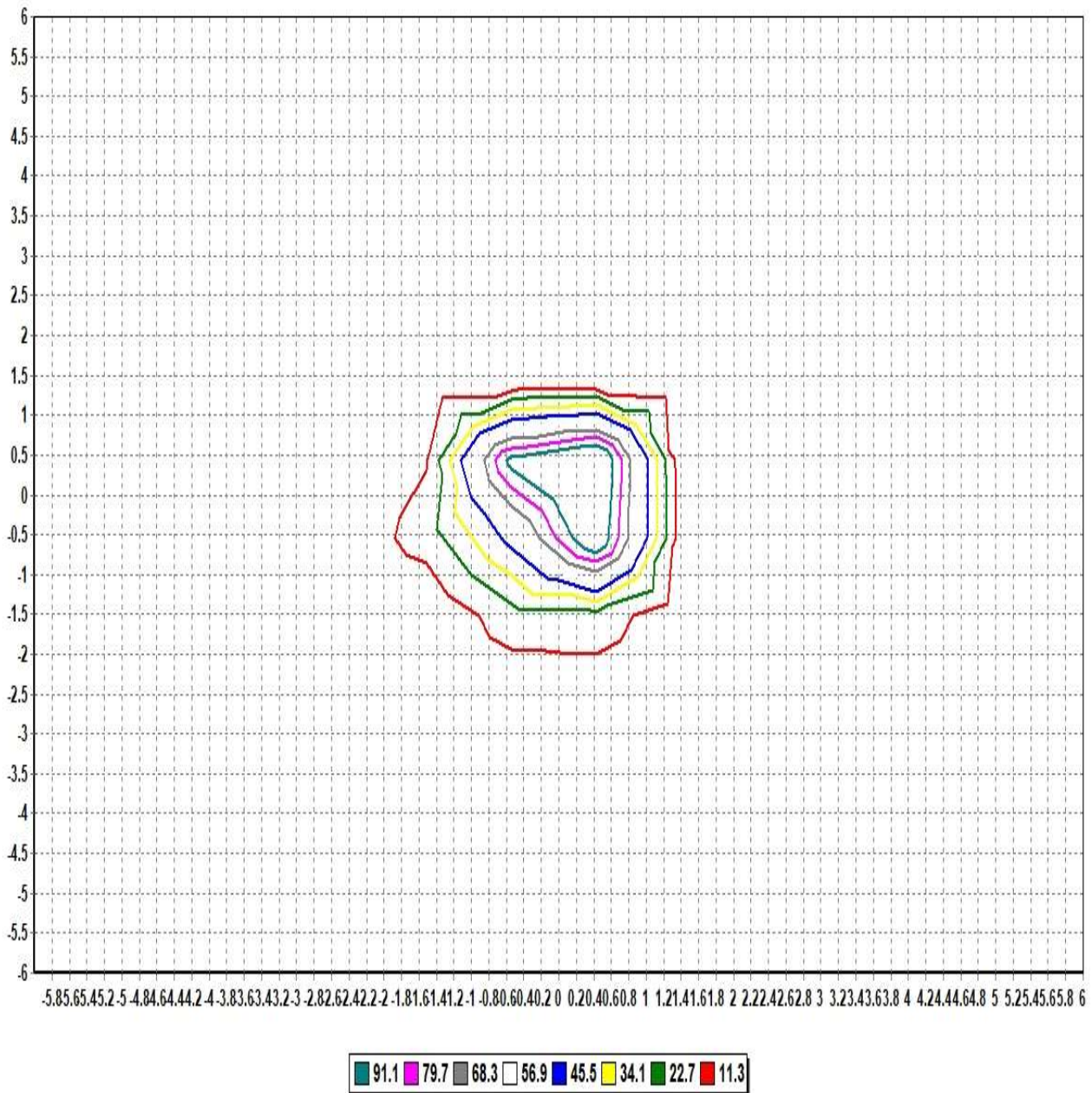
Operator

Total flux (lm) 241

Power Factor 1

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## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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No. of lamps 1

Voltage (V) 23.979

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Lamp flux (lm) 241

Current (A) 0.10939

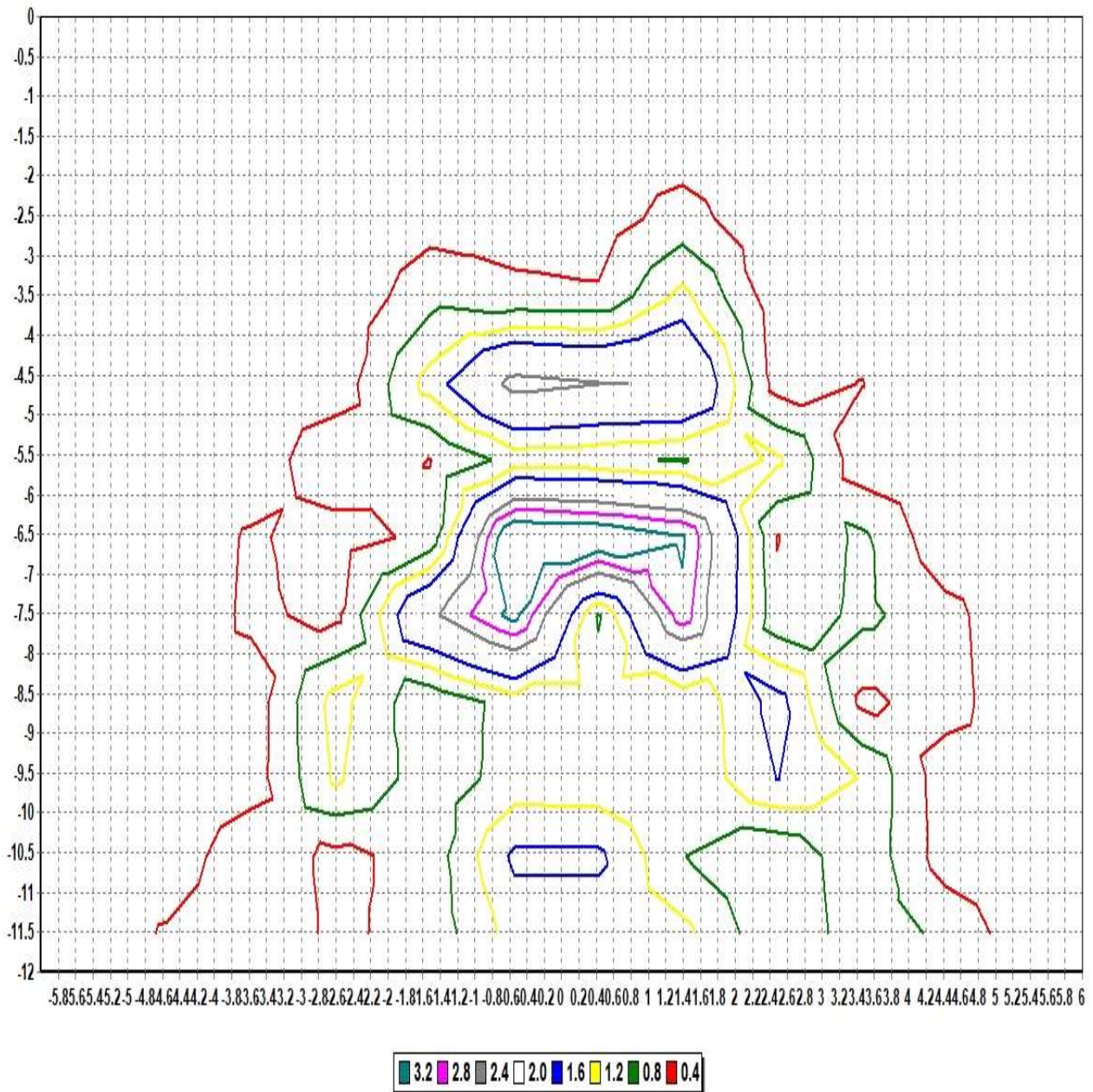
Operator

Total flux (lm) 241

Power Factor 1

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## 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 KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.979
Lamp flux (lm)	241	Current (A)	0.10939
Total flux (lm)	241	Power Factor	1

Report 230510

Filename DVP POLE 30K 25도.jdt

Operator

Date 2023-05-10 오전 11:58:28

## Illuminance Levels (Ground)

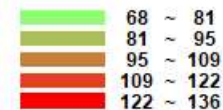
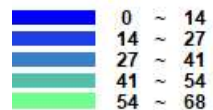
6.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
5.00	0.01	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.01
4.00	0.00	0.01	0.02	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.02	0.00	0.00
3.00	0.01	0.01	0.04	0.04	0.17	0.10	0.13	0.09	0.16	0.04	0.03	0.01	0.00
2.00	0.01	0.03	0.04	0.24	0.19	0.52	1.11	0.44	0.17	0.17	0.04	0.02	0.01
1.00	0.01	0.04	0.05	0.11	0.55	4.82	52.21	5.03	0.45	0.08	0.04	0.04	0.01
0.00	0.01	0.04	0.06	0.20	1.67	77.33	135.67	65.43	1.12	0.12	0.04	0.02	0.01
-1.00	0.01	0.04	0.05	0.16	0.92	8.10	85.52	8.83	0.92	0.14	0.04	0.03	0.01
-2.00	0.01	0.04	0.04	0.26	0.31	0.95	2.04	0.95	0.35	0.27	0.03	0.03	0.01
-3.00	0.01	0.01	0.05	0.05	0.35	0.18	0.27	0.16	0.34	0.05	0.05	0.01	0.01
-4.00	0.01	0.01	0.03	0.06	0.04	0.06	0.07	0.06	0.04	0.06	0.03	0.01	0.00
-5.00	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.05	0.04	0.01	0.01	0.00	0.01
-6.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	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.) : 135.67

Illum. (Min.) : -0.0006

Illum. (Avg.) : 2.7337

All illuminance level values are in lux.



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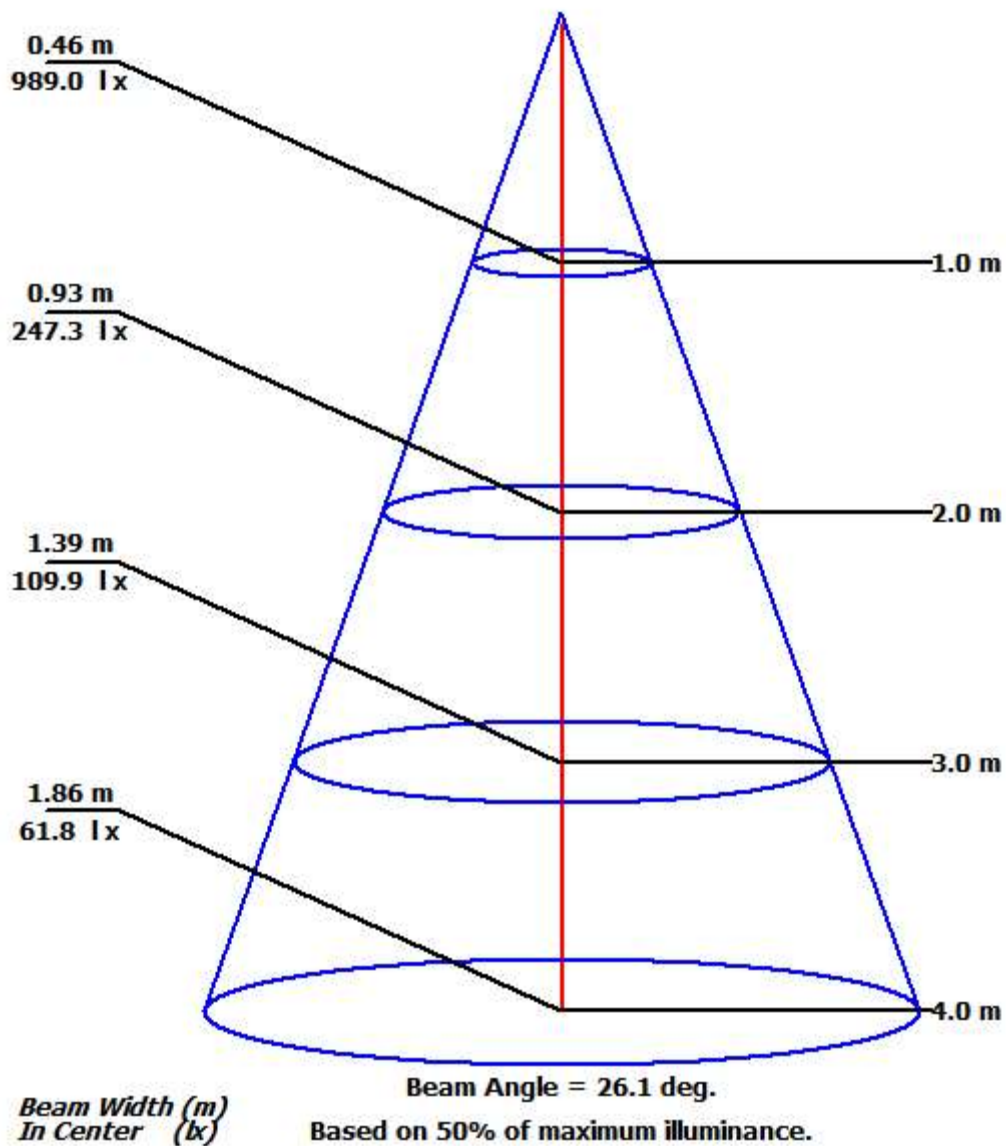
Operator

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## Illuminance Cone Diagram



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Operator

Total flux (lm) 241 Power Factor 1

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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