

# 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 : 20260402

## 2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260402 EGL14-30K\_CRI90\_LENS(고효율)

5. Test Period : 260402 ~ 260402

## 6. Test Environment

\* Ambient Temp. : 25.0 +- 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	
	김정도	Sign	김정도	Sign

\*\*\*\*\*

- \* The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- \* This report cannot be reporduced, 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
KH FEELUX			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4384 , 0.4041	
Correlated Color Temperature	K	2977	
Ra		91.47	
Power Factor		1.000	
Input Voltage	V	23.884	
Input Current	A	0.793	
Input Watt	W	18.94	
Lamp Flux	lm	1421	
Efficient	lm/W	75.03	
luminous Intensity (Max , Center)	cd	951 , 951	
Illuminance	lx	951	1 m
		238	2 m
		106	3 m

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

\* Sample photo

[Click to load image](#)

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

2:Filename 260402 EGL14-30K\_CRI90\_LENS(고효율).jdt

Lamp flux (lm) 1421

Current (A)

Operator

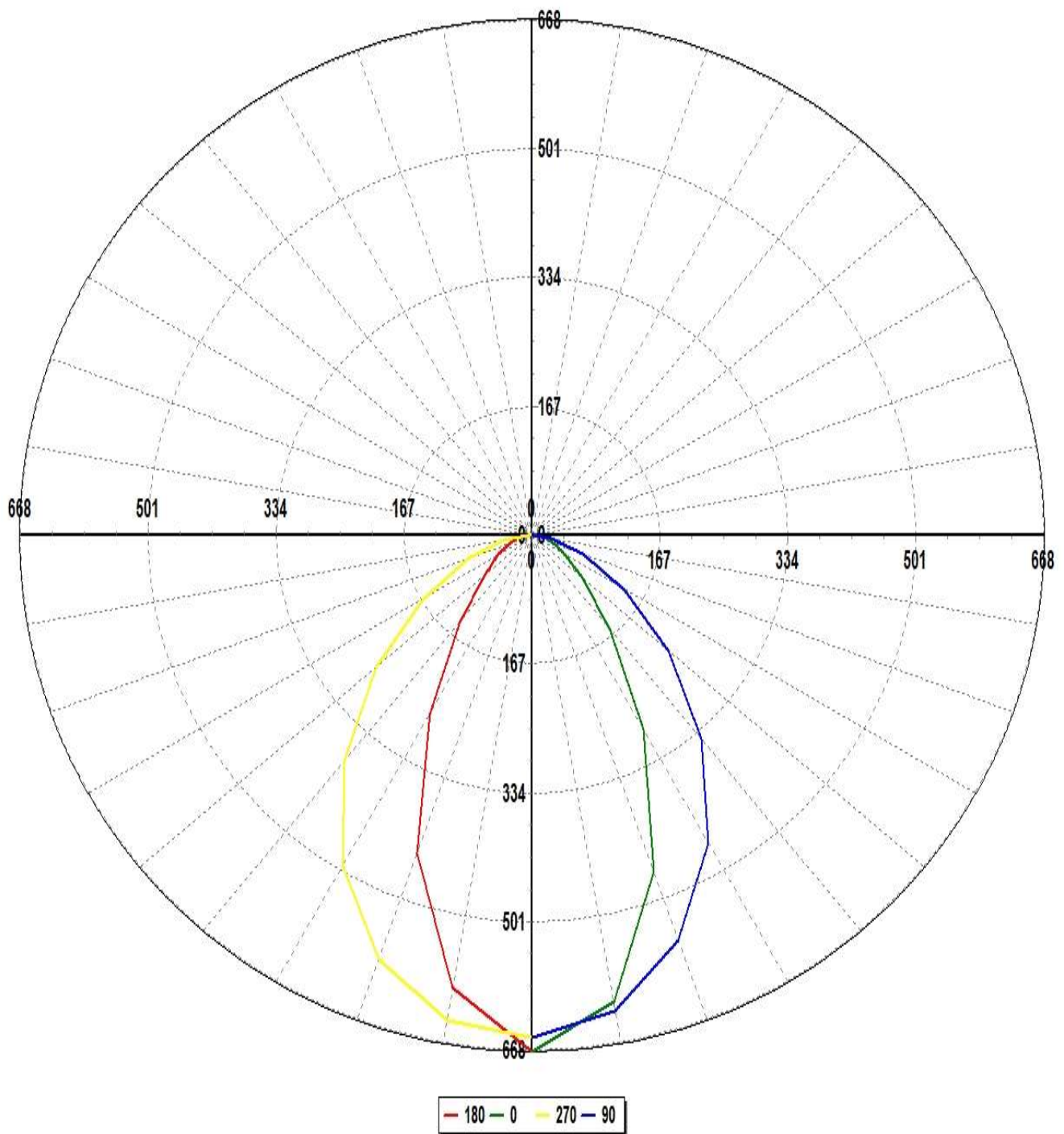
Total flux (lm) 1421

Power Factor

Datel

2026-04-02 오후 7:06:48

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

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Current (A)

Operator

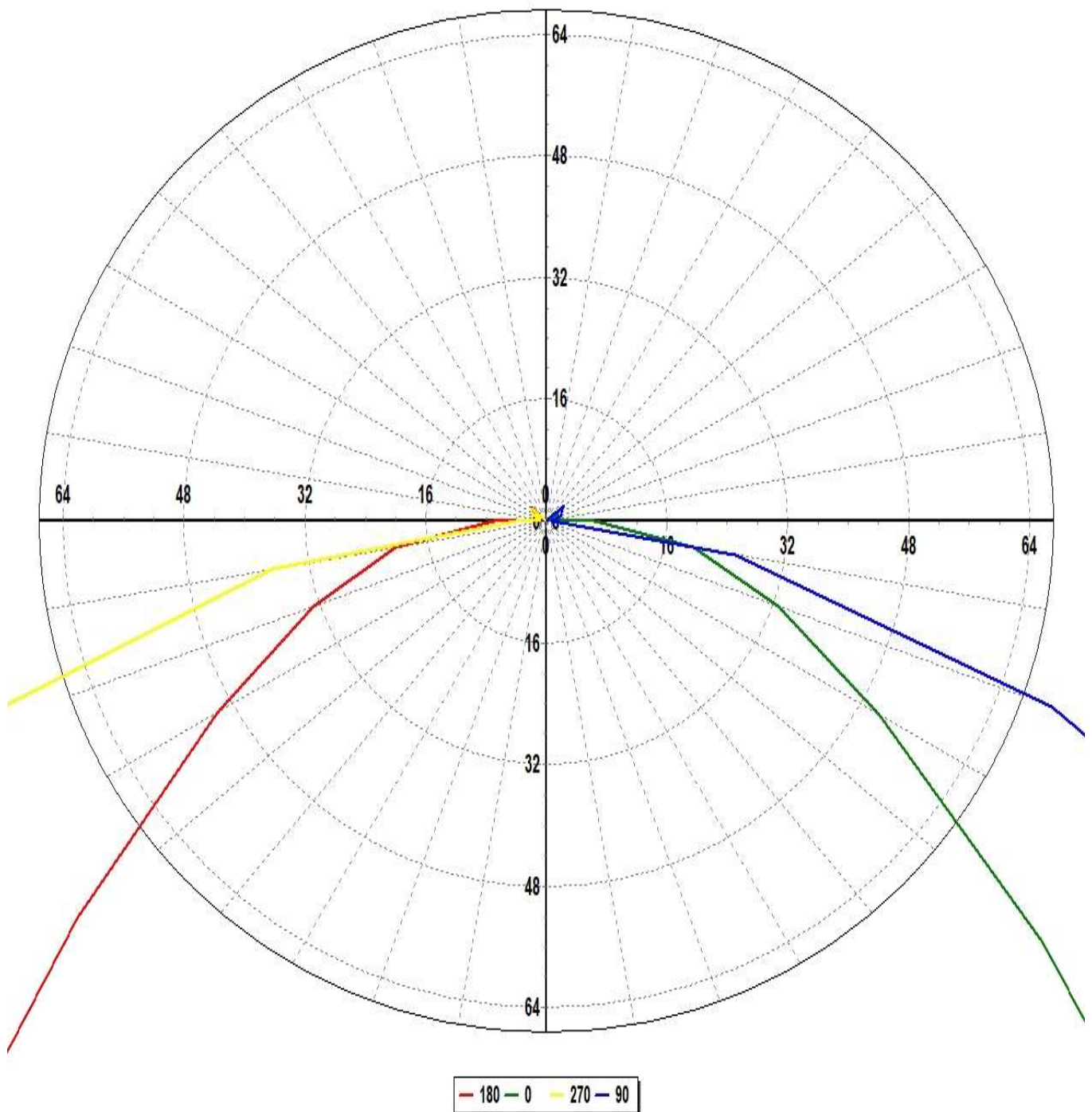
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Power Factor

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## Luminous Intensity Distribution (Lowest 10%)



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Lamp flux (lm) 1421

Current (A)

Operator

Total flux (lm) 1421

Power Factor

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## Luminous Intensity Data

Maximum (cd) : 951

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	951.06	942.58	936.21	926.26	919.14	910.14	951.06	942.58	936.21	926.26	919.14
10	873.22	878.13	899.84	888.19	843.05	783.35	847.08	859.81	883.28	906.5	909.92
20	659.22	694.03	781.83	794.69	700.26	574.2	623.97	665.04	755.66	830.26	815.9
30	412.3	466.62	608.92	654.55	523.85	363.19	378.37	438.32	582.54	703.28	657.79
40	224.88	274.07	423.9	490.2	354.08	208.84	206.05	256.02	403.74	542.13	472.37
50	121.77	153.73	265.52	331.22	220.03	121.81	115.13	144.77	254.58	376.79	305.17
60	72.26	88.04	153.88	198.97	127.36	73.93	71.52	86.16	149.2	234.22	180.94
70	46.42	52.6	80.3	101.34	67.67	44.61	46.64	52.12	82.08	126.38	98.03
80	28.11	27.31	33.35	36.2	26.27	22.2	28.78	29.43	36.1	52.29	43.51
90	9.01	7.42	3.32	0.92	0.71	0.89	9.78	7.44	6.99	5.67	10.39
100	0.43	0.95	0.69	1.77	1.71	0.46	0.95	0.83	1.94	1.13	0.63
110	1.16	1.79	1.96	3.08	1.88	2.1	1.73	1.38	2.08	2.12	1.55
120	2.42	2.54	3.21	3.15	3.46	2.97	2.63	2.37	3.57	3.11	2.67
130	2.9	3.67	4.05	4.45	4.78	4.4	3.87	4.01	3.38	3.62	3.26

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Lamp flux (lm) 1421

Current (A)

Operator

Total flux (lm) 1421

Power Factor

Date

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## Luminous Intensity Data (Continued)

Maximum (cd) : 951

Minimum (cd) : 0

G/C	330	360
0	910.14	951.06
10	900.82	873.22
20	755.85	659.22
30	541.67	412.3
40	333.5	224.88
50	190.13	121.77
60	108.12	72.26
70	63.19	46.42
80	35.3	28.11
90	14.18	9.01
100	0.43	0.43
110	1.05	1.16
120	2.8	2.42
130	3.18	2.9

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Current (A)

Operator

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Power Factor

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## Luminous Flux Table

Total Lamp Lumens: 1421.0

Luminaire Efficiency (lm/W): 75.03

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	22.26	22.26	1.57	1.57
10	165.99	188.24	13.25	13.25
20	270.05	458.29	32.25	32.25
30	288.93	747.22	52.58	52.58
40	245.80	993.02	69.88	69.88
50	181.83	1174.85	82.68	82.68
60	122.09	1296.94	91.27	91.27
70	73.88	1370.82	96.47	96.47
80	35.85	1406.67	98.99	98.99
90	7.00	1413.67	99.48	99.48
100	1.07	1414.74	99.56	99.56
110	1.88	1416.61	99.69	99.69
120	2.76	1419.37	99.89	99.88
130	1.65	1421.02	100.00	100.00

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Current (A)

Operator

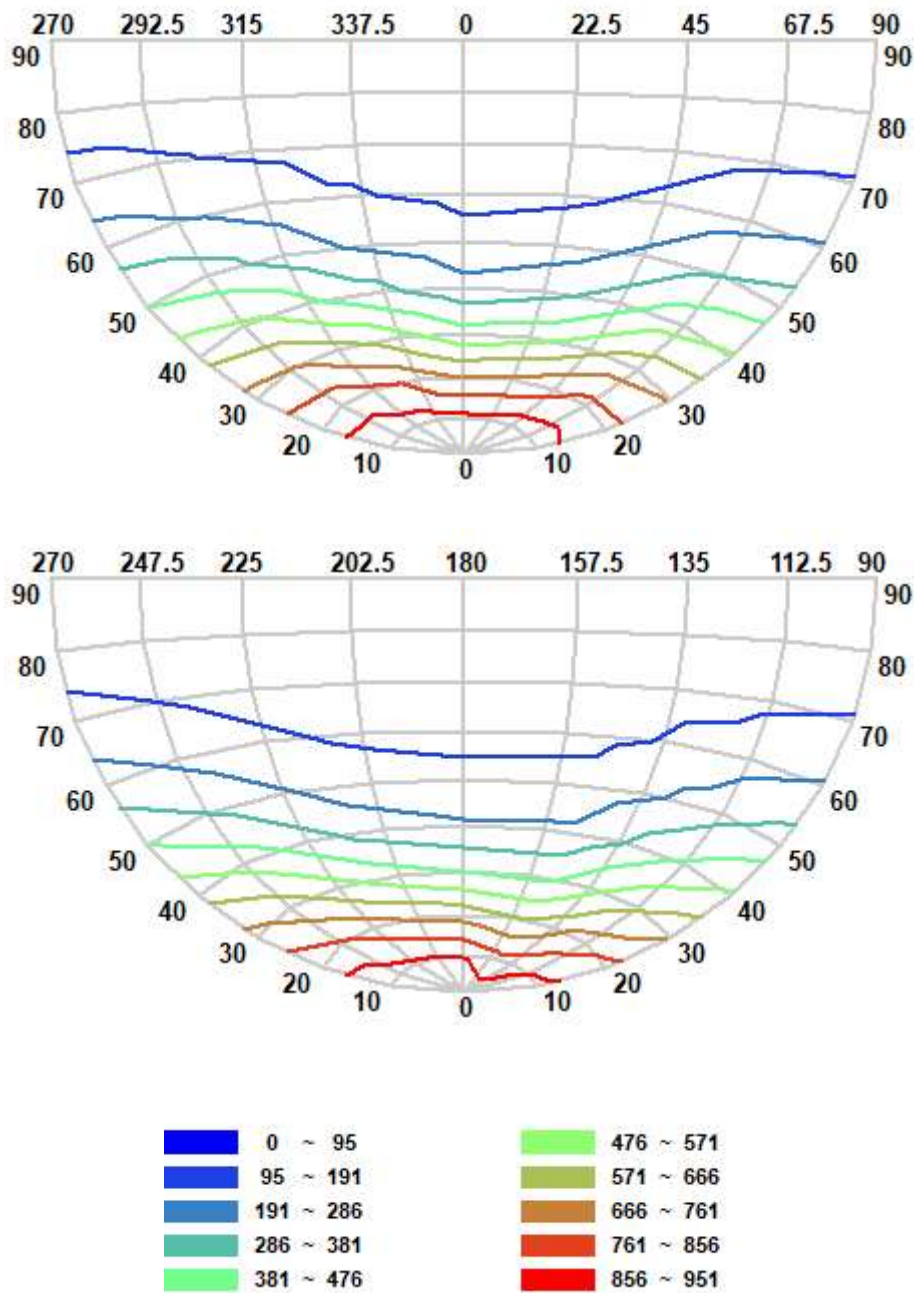
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## IsoCandela (Type C)





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Lamp flux (lm) 1421

Current (A)

Operator

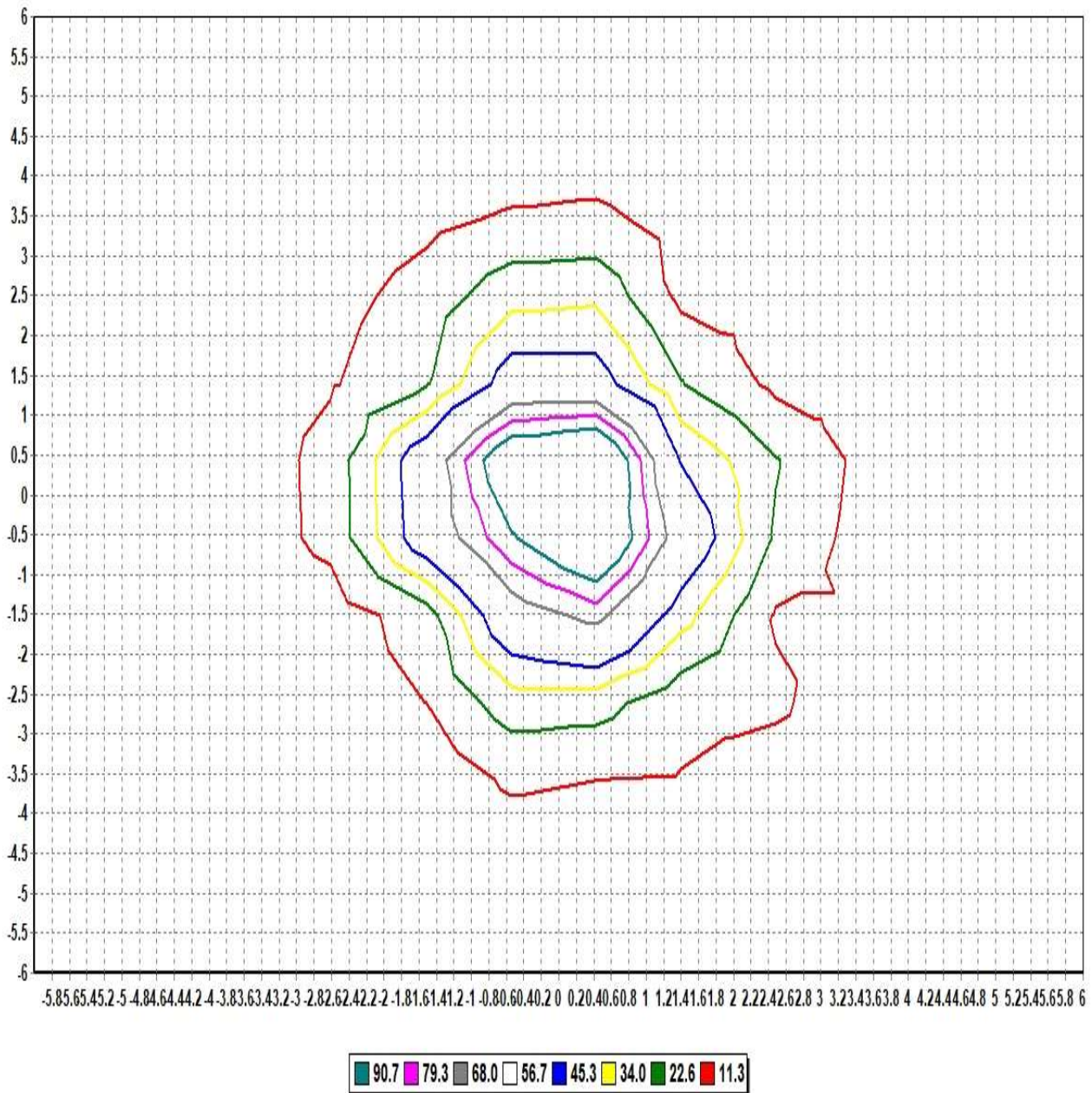
Total flux (lm) 1421

Power Factor

Datel

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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)

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Lamp flux (lm) 1421

Current (A)

Operator

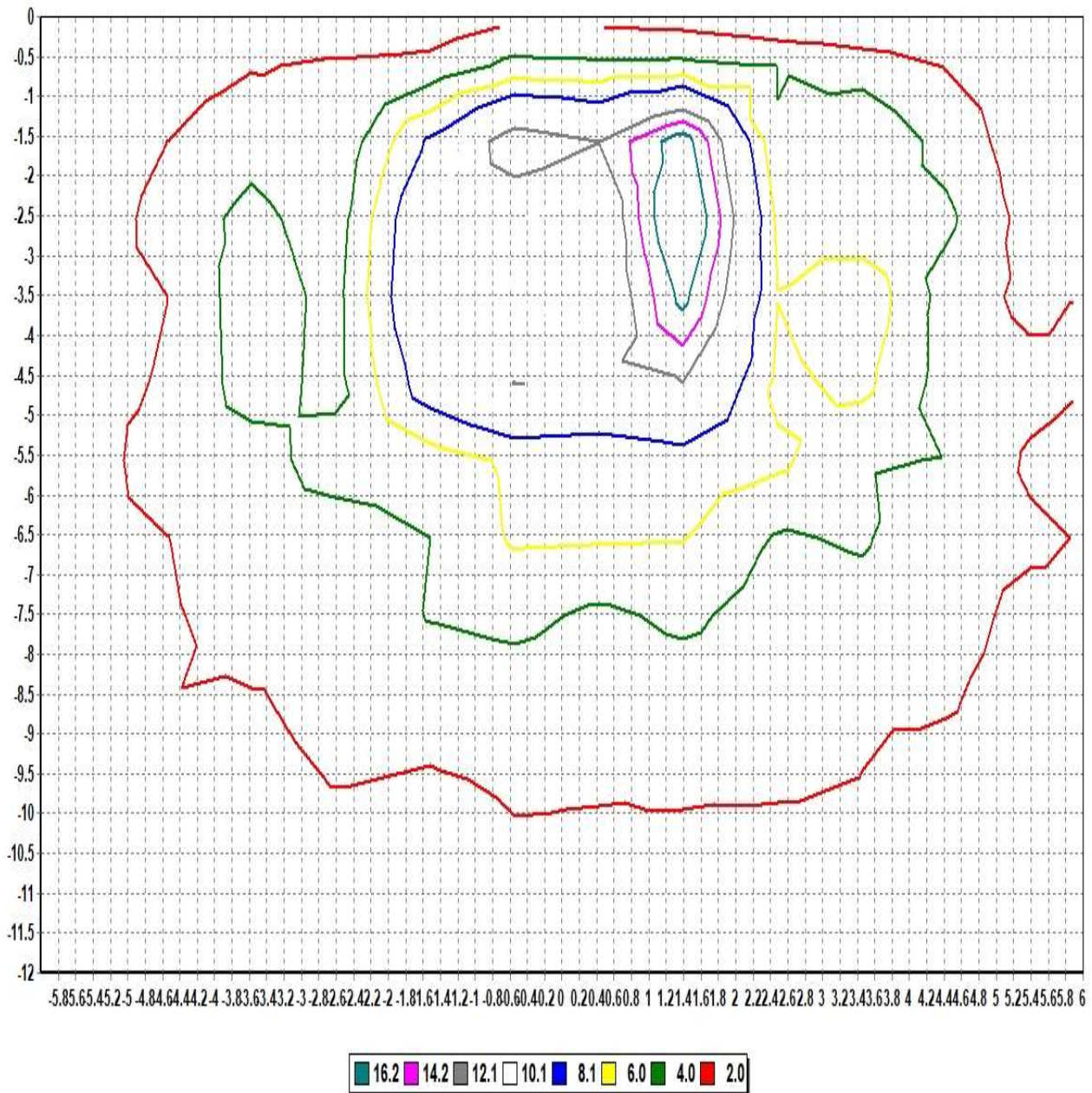
Total flux (lm) 1421

Power Factor

Datel

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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) 23.884

Lamp flux (lm) 1421 Current (A) 0.793

Total flux (lm) 1421 Power Factor 1

Report

KH FEELUX

Filename 260402 EGL14-30K\_CRI90\_LENS(고효율).jdt

Operator

Date 2026-04-02 오후 7:06:48

## Illuminance Levels (Ground)

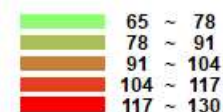
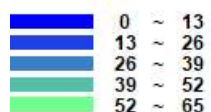
6.00	0.55	0.80	0.60	0.60	0.86	1.09	1.35	1.19	0.66	0.45	0.48	0.61	0.28
5.00	0.42	0.57	0.94	1.50	2.66	3.73	4.56	3.94	1.95	1.16	0.73	0.33	0.36
4.00	0.29	0.50	2.47	4.20	2.77	4.83	6.06	4.90	1.96	3.29	1.23	0.45	0.29
3.00	0.54	0.61	1.98	4.05	12.53	10.14	14.90	7.64	10.54	2.00	1.77	0.60	0.42
2.00	0.61	2.05	2.48	5.83	14.87	23.56	38.95	18.69	8.07	5.84	1.77	1.54	0.50
1.00	0.52	1.52	1.97	7.06	21.54	59.74	100.13	47.23	17.27	5.52	2.55	2.10	0.67
0.00	0.54	1.59	2.14	5.47	18.92	95.00	130.46	97.99	20.64	5.84	2.21	1.67	0.54
-1.00	0.52	1.54	1.98	5.20	16.10	44.24	102.26	68.09	29.04	10.09	2.48	1.89	0.59
-2.00	0.49	1.46	1.72	5.39	7.54	17.52	42.57	30.53	18.15	8.99	3.52	2.91	0.88
-3.00	0.41	0.60	1.68	1.94	10.04	7.26	16.82	12.80	14.21	5.11	2.97	0.88	0.78
-4.00	0.29	0.45	1.17	3.15	1.90	5.29	7.00	5.15	3.81	4.97	3.08	0.72	0.41
-5.00	0.35	0.32	0.72	1.15	1.86	4.27	5.20	3.87	3.47	1.80	1.18	0.75	0.61
-6.00	0.28	0.59	0.48	0.45	0.65	1.37	1.63	1.17	1.14	0.84	0.76	0.99	0.71
-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.) : 130.46

Illum. (Min.) : 0.2750

Illum. (Avg.) : 8.7821

All illuminance level values are in lux.





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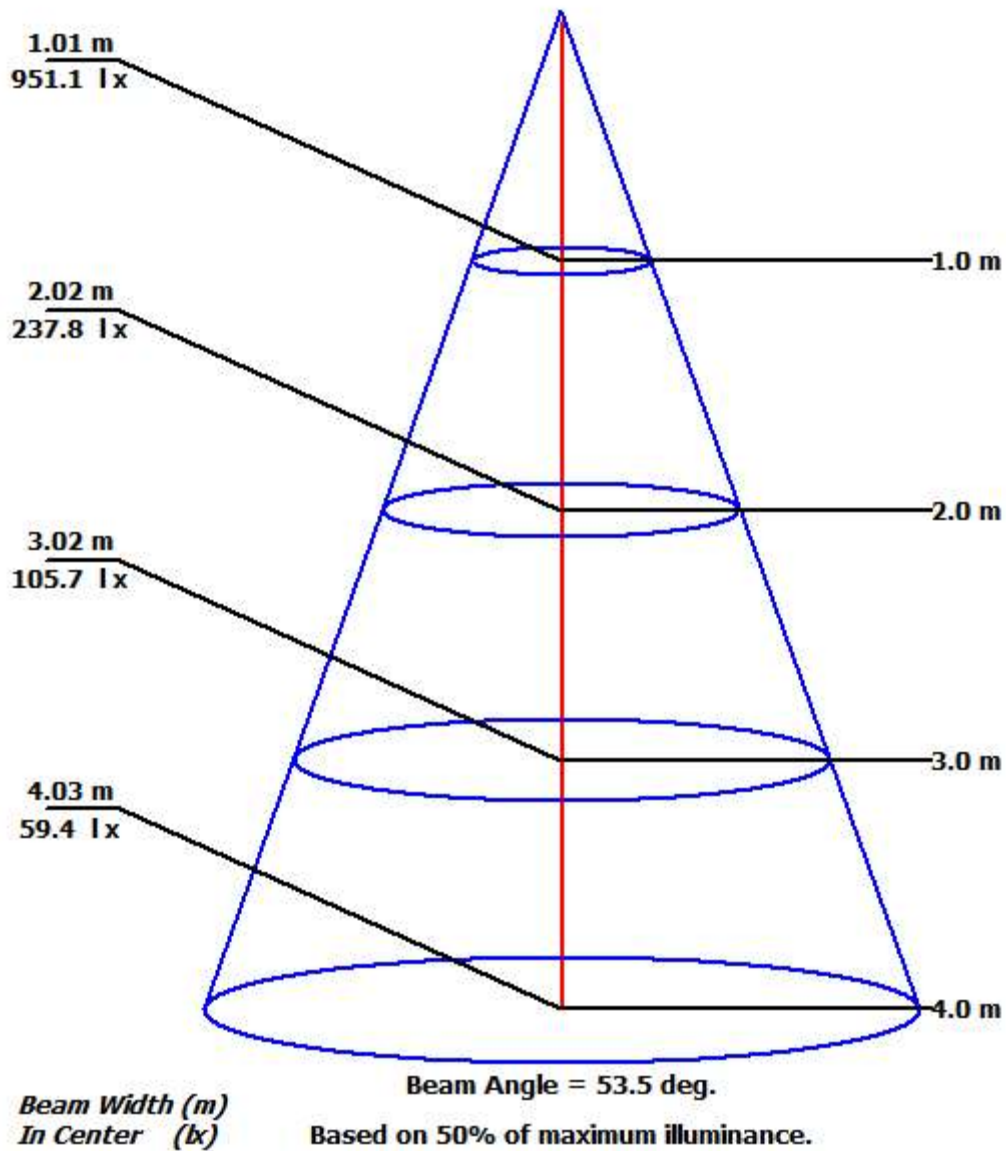
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Power Factor

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## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 1421 Current (A) 0.793

Operator

Total flux (lm) 1421 Power Factor 1

Date 2026-04-02 오후 7:06:48

## 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