

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 : 20260417

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260417 FNX1 30K-24V-C90

5. Test Period : 260417 ~ 260417

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		0.4358 , 0.4091	
Correlated Color Temperature	K	3060	
Ra		92.26	
Power Factor		1.000	
Input Voltage	V	23.938	
Input Current	A	0.409	
Input Watt	W	9.795	
Lamp Flux	lm	701.5	
Efficient	lm/W	71.62	
luminous Intensity (Max , Center)	cd	234 , 234	
Illuminance	lx	234	1 m
		59	2 m
		26	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)

23.9Filename 260417 FNX1 30K-24V-C90.jdt

Lamp flux (lm) 702

Current (A)

0.409Operator

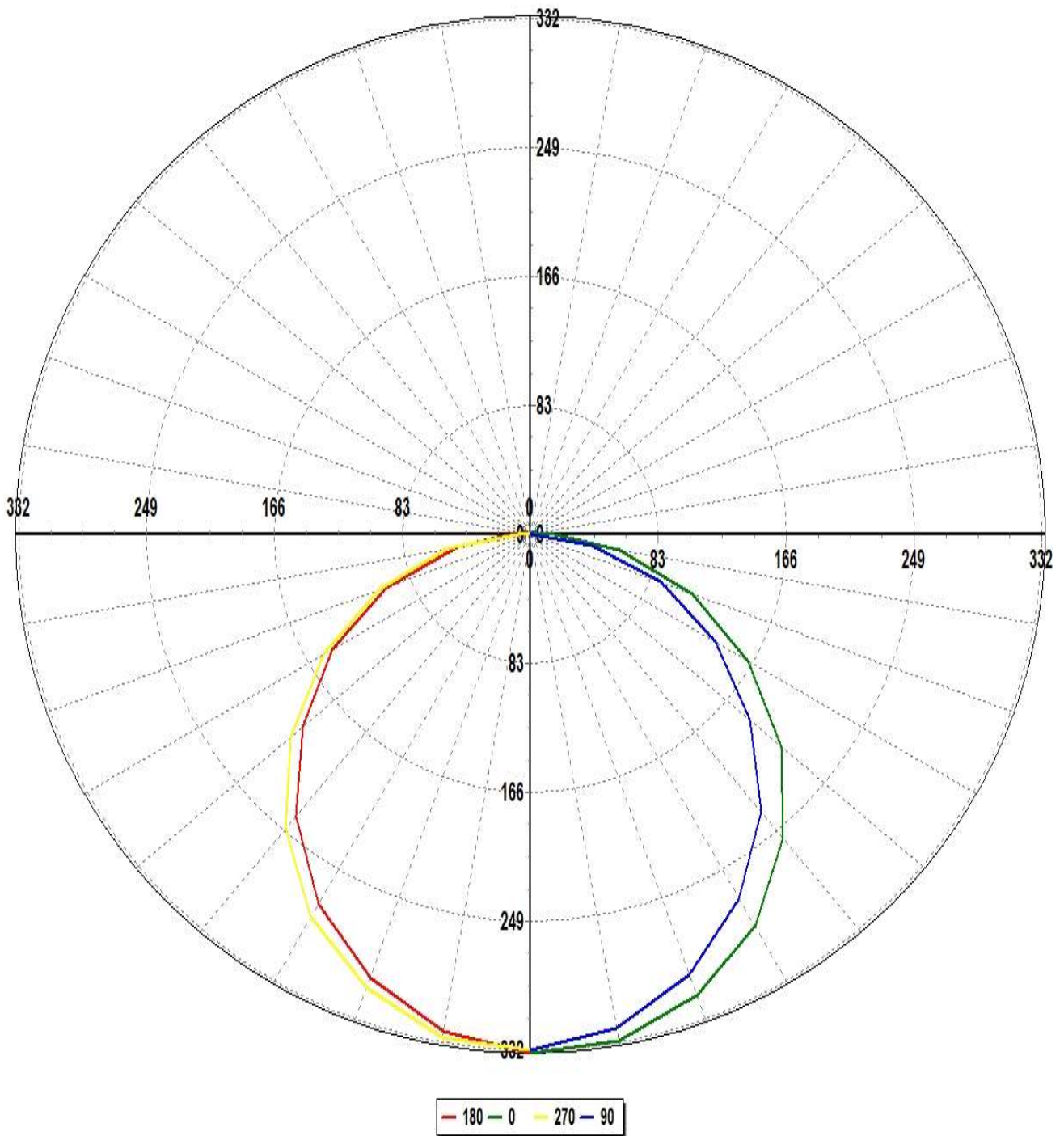
Total flux (lm) 702

Power Factor

0.99Date

2026-04-17 오전 10:15:21

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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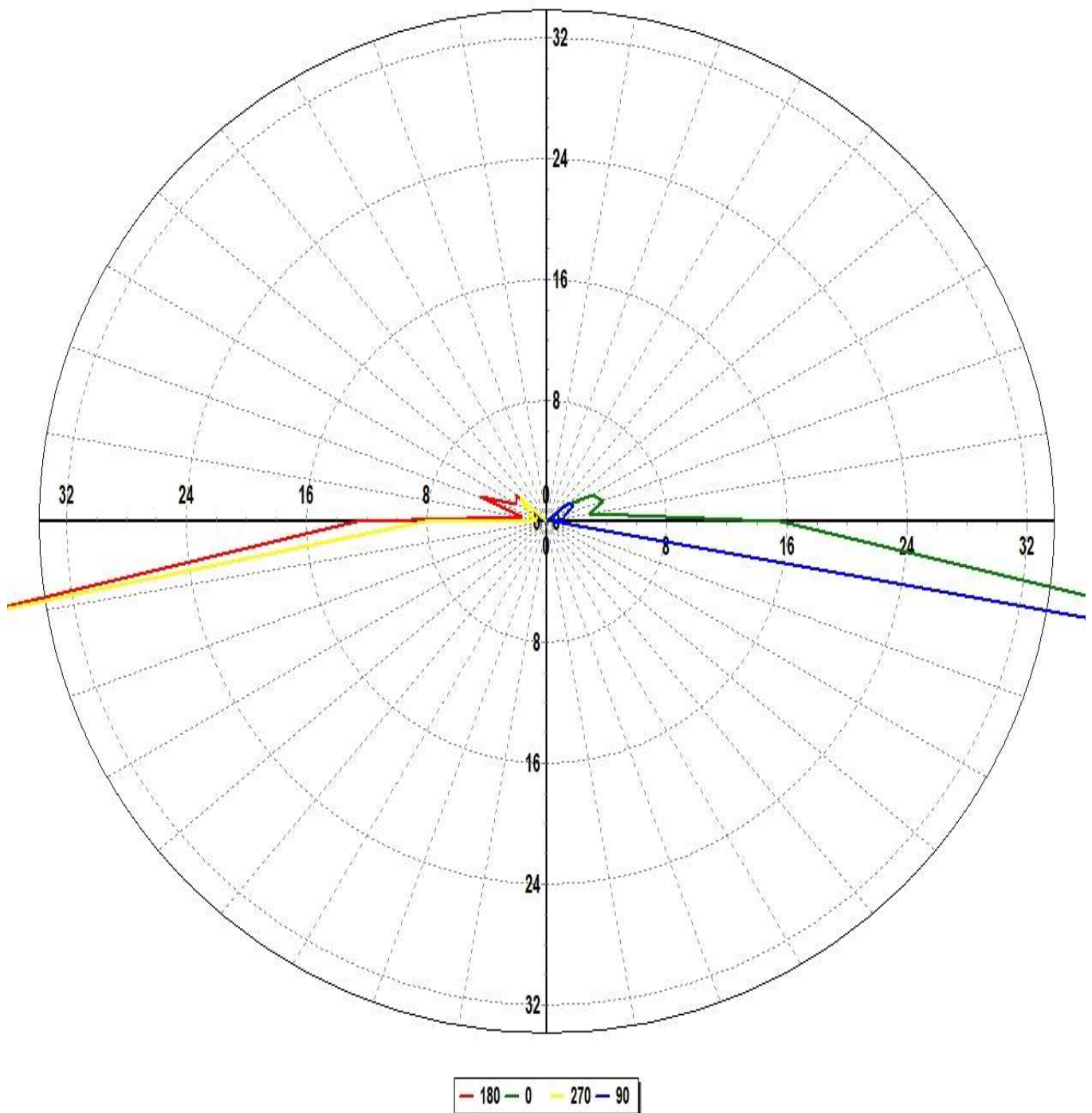
Total flux (lm) 702

Power Factor

0.99Date

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

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KH FEELUX

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Lamp flux (lm)	702	Current (A)	0.409	Operator	
Total flux (lm)	702	Power Factor	0.99	Date	2026-04-17 오전 10:15:21

Luminous Intensity Data

Maximum (cd) : 234

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	234.38	234.22	232.32	232.94	231.6	231.87	234.38	234.22	232.32	232.94	231.6
10	232.28	230.02	227.87	226.29	225.27	223.42	228.16	227.9	227.77	230.89	230.43
20	221.52	220.53	216.44	211.59	209.02	206.71	213.11	214.99	215.71	218	221.13
30	204.43	200.34	196.97	189.99	187.36	184.53	192.62	193.97	195.45	199.65	202.69
40	179.17	175.63	169.32	163.33	159.5	155.73	165.83	168.44	169.15	173.14	178.31
50	149.07	145.13	138.58	130.65	128.6	125.49	135.22	137.88	138.77	142.3	147.82
60	114.57	111.81	104.97	97.04	94.86	92.31	104	105.18	104.36	108.56	114.43
70	78.51	76.06	69.85	62.97	59.81	58.93	69.64	71.6	71.11	73.25	79.59
80	41.41	39.25	34.65	28.39	26.64	22.34	33.54	37.45	37.77	38.61	45.22
90	10.91	9.19	3.72	0.31	2.05	5.09	8.86	8.59	5.73	5.7	9.53
100	2.01	2.25	1.57	0.84	2.12	1.39	1.18	0.91	2.32	0.5	1.9
110	2.79	2.81	1.12	0.87	1.17	2.53	3.34	2.59	0.97	0.88	0.51
120	2.51	1.59	1.24	1.42	1.8	1.44	1.6	1.24	1.27	0.99	0.65
130	1.07	0.99	1.5	1.36	1.39	2.16	1.86	1.83	1.92	1.62	1.62

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Total flux (lm)	702	Power Factor	0.99	Date	2026-04-17 오전 10:15:21

Luminous Intensity Data (Continued)

Maximum (cd) : 234

Minimum (cd) : 0

G/C	330	360
0	231.87	234.38
10	231.74	232.28
20	223.99	221.52
30	207.88	204.43
40	184.74	179.17
50	156.61	149.07
60	123	114.57
70	87.54	78.51
80	52.08	41.41
90	15.06	10.91
100	0.67	2.01
110	2.59	2.79
120	1.92	2.51
130	1.46	1.07

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Luminous Flux Table

Total Lamp Lumens: 701.53

Luminaire Efficiency (lm/W): 71.62

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.57	5.57	0.79	0.79
10	43.46	49.03	6.99	6.99
20	80.93	129.96	18.53	18.53
30	107.51	237.47	33.85	33.85
40	119.81	357.29	50.93	50.93
50	117.19	474.47	67.64	67.63
60	100.78	575.26	82.00	82.00
70	73.66	648.92	92.50	92.50
80	39.31	688.23	98.11	98.10
90	7.73	695.96	99.21	99.21
100	1.59	697.55	99.44	99.43
110	1.90	699.45	99.71	99.70
120	1.40	700.85	99.91	99.90
130	0.68	701.53	100.00	100.00

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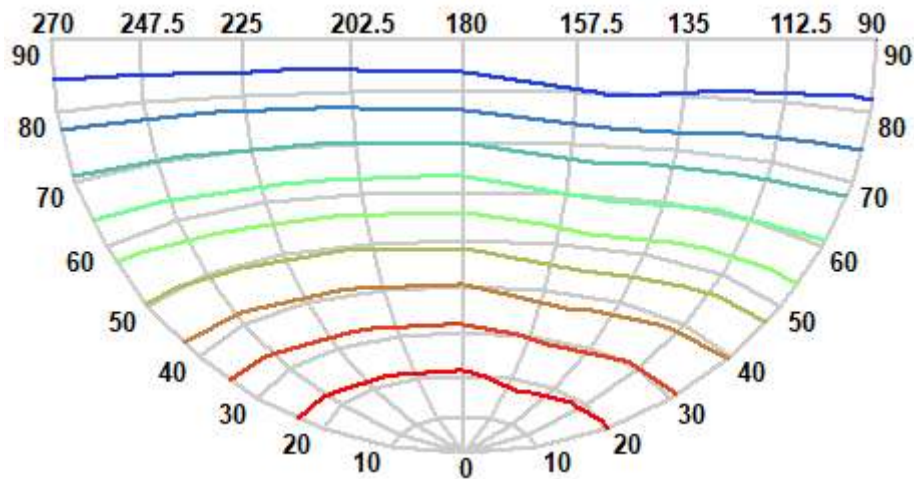
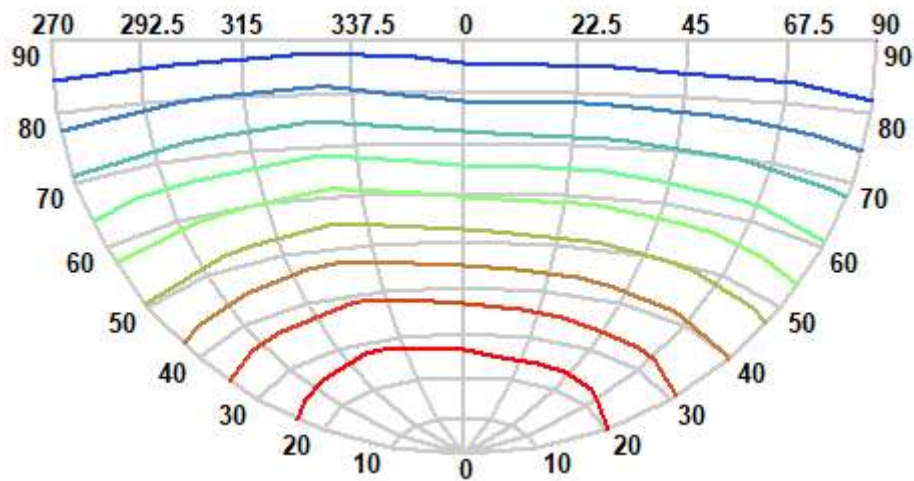
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IsoCandela (Type C)



0 ~ 24
24 ~ 47
47 ~ 71
71 ~ 94
94 ~ 117

117 ~ 141
141 ~ 164
164 ~ 188
188 ~ 211
211 ~ 234

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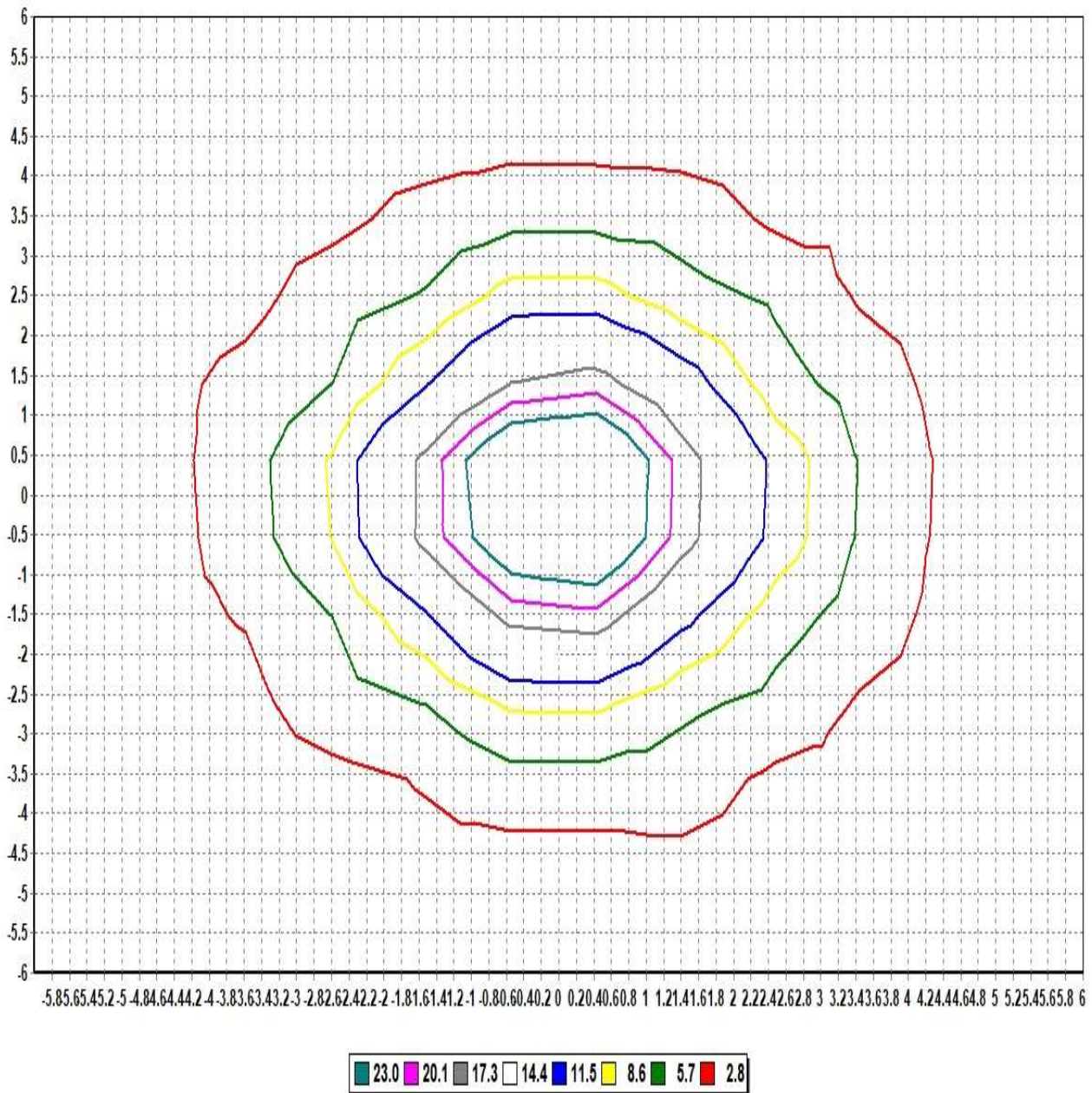
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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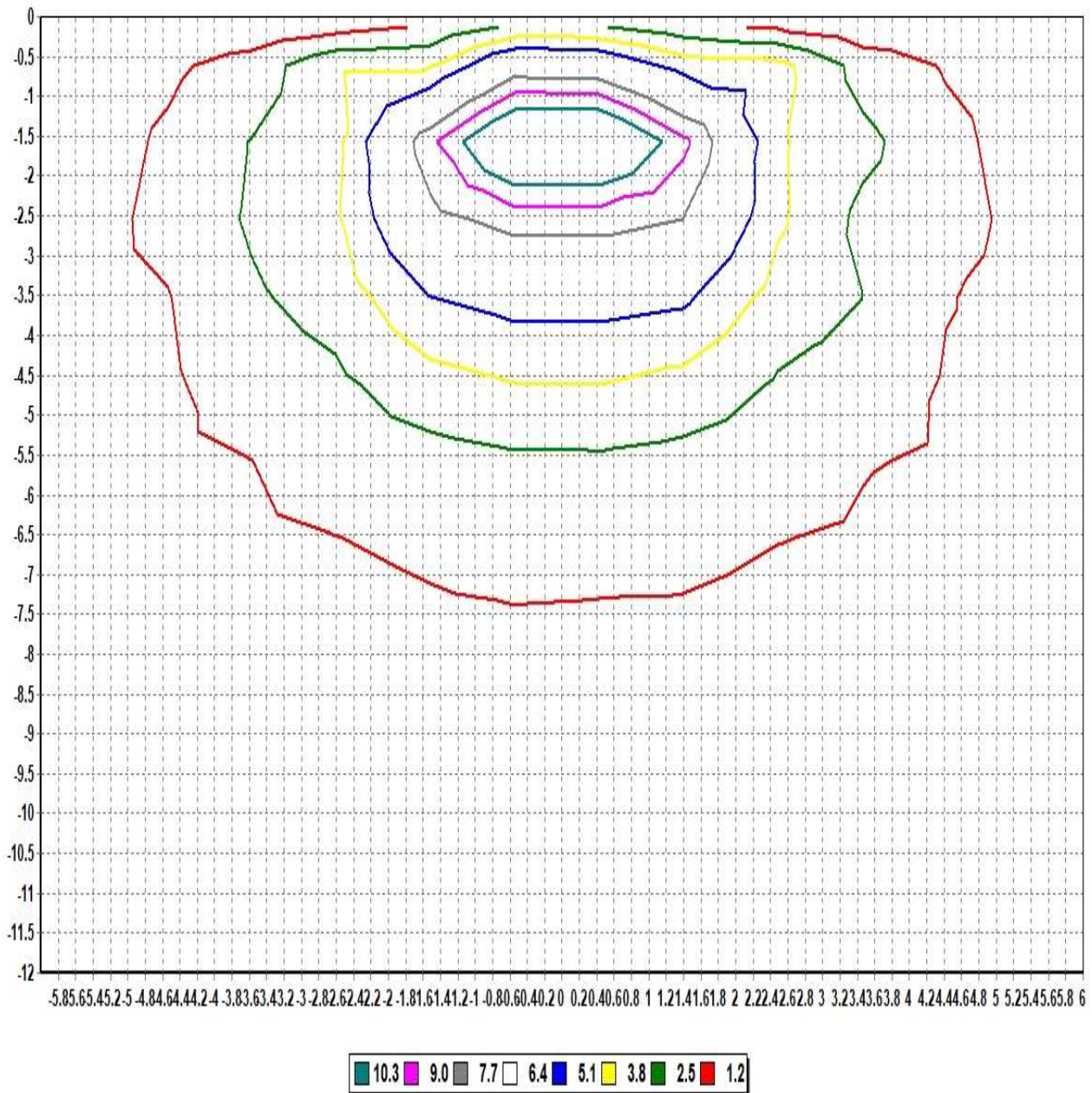
Total flux (lm) 702

Power Factor

0.99Date

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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) 23.938

Lamp flux (lm) 702 Current (A) 0.40922

Total flux (lm) 702 Power Factor 0.9999

Report

KH FEELUX

Filename 260417 FNX1 30K-24V-C90.jdt

Operator

Date 2026-04-17 오전 10:15:21

Illuminance Levels (Ground)

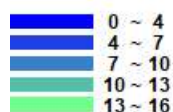
6.00	0.34	0.45	0.38	0.48	0.60	0.75	0.73	0.72	0.70	0.59	0.43	0.50	0.40
5.00	0.43	0.40	0.58	0.81	1.45	1.81	1.84	1.78	1.63	0.89	0.66	0.50	0.53
4.00	0.36	0.55	1.26	1.83	1.87	2.53	2.66	2.52	2.17	1.98	1.45	0.71	0.47
3.00	0.47	0.76	1.78	2.21	4.51	4.92	5.63	5.41	4.74	2.58	2.10	0.98	0.59
2.00	0.58	1.44	1.86	4.33	6.38	10.09	12.28	11.02	7.15	5.00	2.19	1.67	0.73
1.00	0.73	1.75	2.46	4.84	10.03	18.48	25.54	19.72	11.09	5.56	2.93	2.06	0.90
0.00	0.80	1.91	2.80	5.80	12.46	25.75	32.15	26.24	13.38	6.37	3.09	2.11	0.89
-1.00	0.69	1.72	2.44	5.20	10.60	18.90	26.07	19.60	11.28	5.73	2.92	2.03	0.87
-2.00	0.68	1.56	2.06	4.62	6.67	10.62	12.98	11.19	7.06	5.17	2.26	1.72	0.78
-3.00	0.56	0.88	1.92	2.39	4.71	5.25	6.10	5.53	4.84	2.54	2.19	1.06	0.62
-4.00	0.42	0.64	1.34	1.96	2.06	2.65	2.93	2.65	2.23	2.03	1.43	0.77	0.52
-5.00	0.48	0.46	0.65	0.89	1.57	1.88	2.01	1.87	1.67	0.92	0.69	0.50	0.56
-6.00	0.37	0.49	0.43	0.56	0.68	0.79	0.84	0.78	0.73	0.61	0.45	0.51	0.39
-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.) : 32.151

Illum. (Min.) : 0.3359

Illum. (Avg.) : 3.7832

All illuminance level values are in lux.



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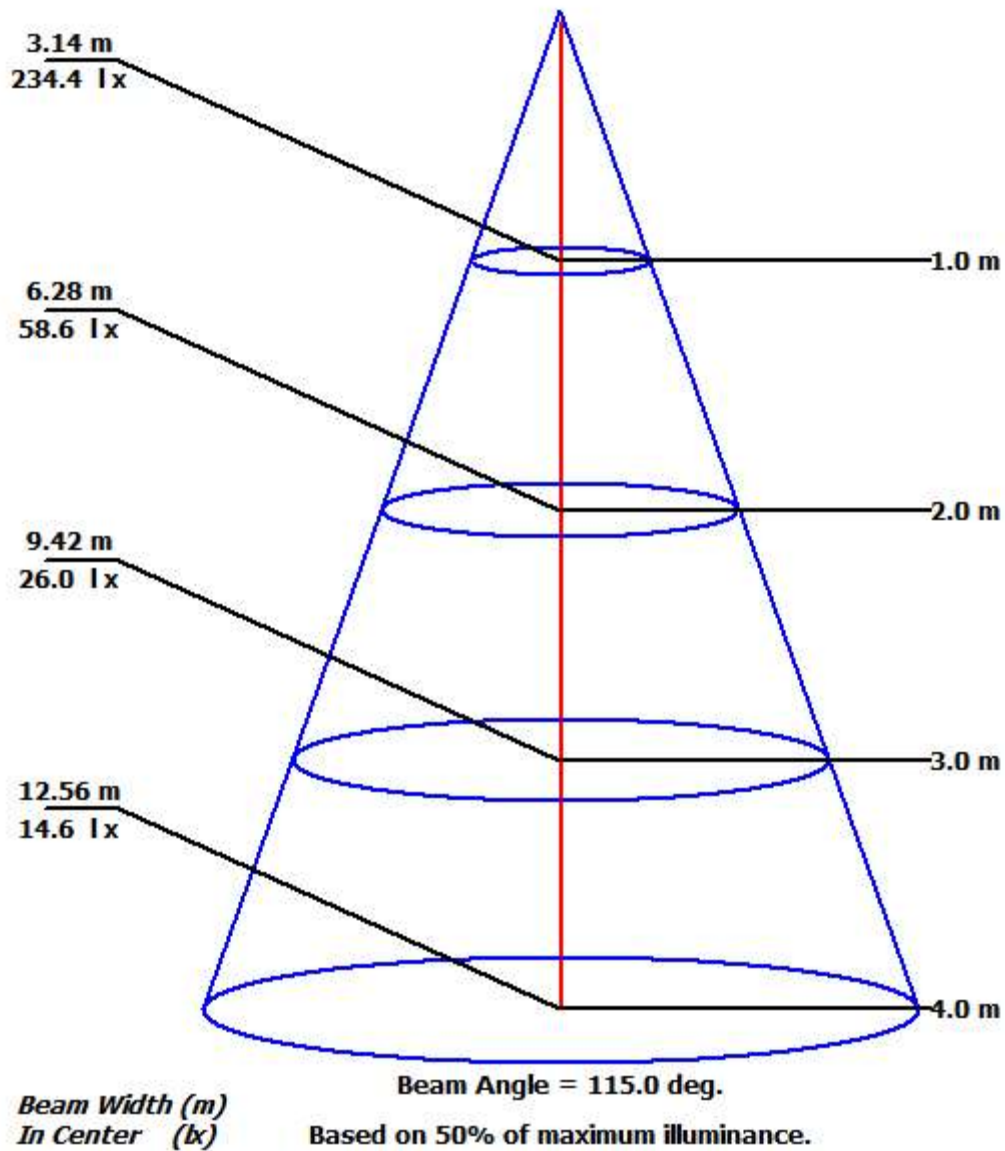
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Illuminance Cone Diagram



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Operator

Total flux (lm) 702 Power Factor 0.9999

Date 2026-04-17 오전 10:15:21

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