

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 35K-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		0.4070 , 0.3956	
Correlated Color Temperature	K	3503	
Ra		93.06	
Power Factor		1.000	
Input Voltage	V	23.899	
Input Current	A	0.412	
Input Watt	W	9.844	
Lamp Flux	lm	711.7	
Efficient	lm/W	72.30	
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)

23.8Filename 260417 FNX1 35K-24V-C90.jdt

Lamp flux (lm) 712

Current (A)

0.411Operator

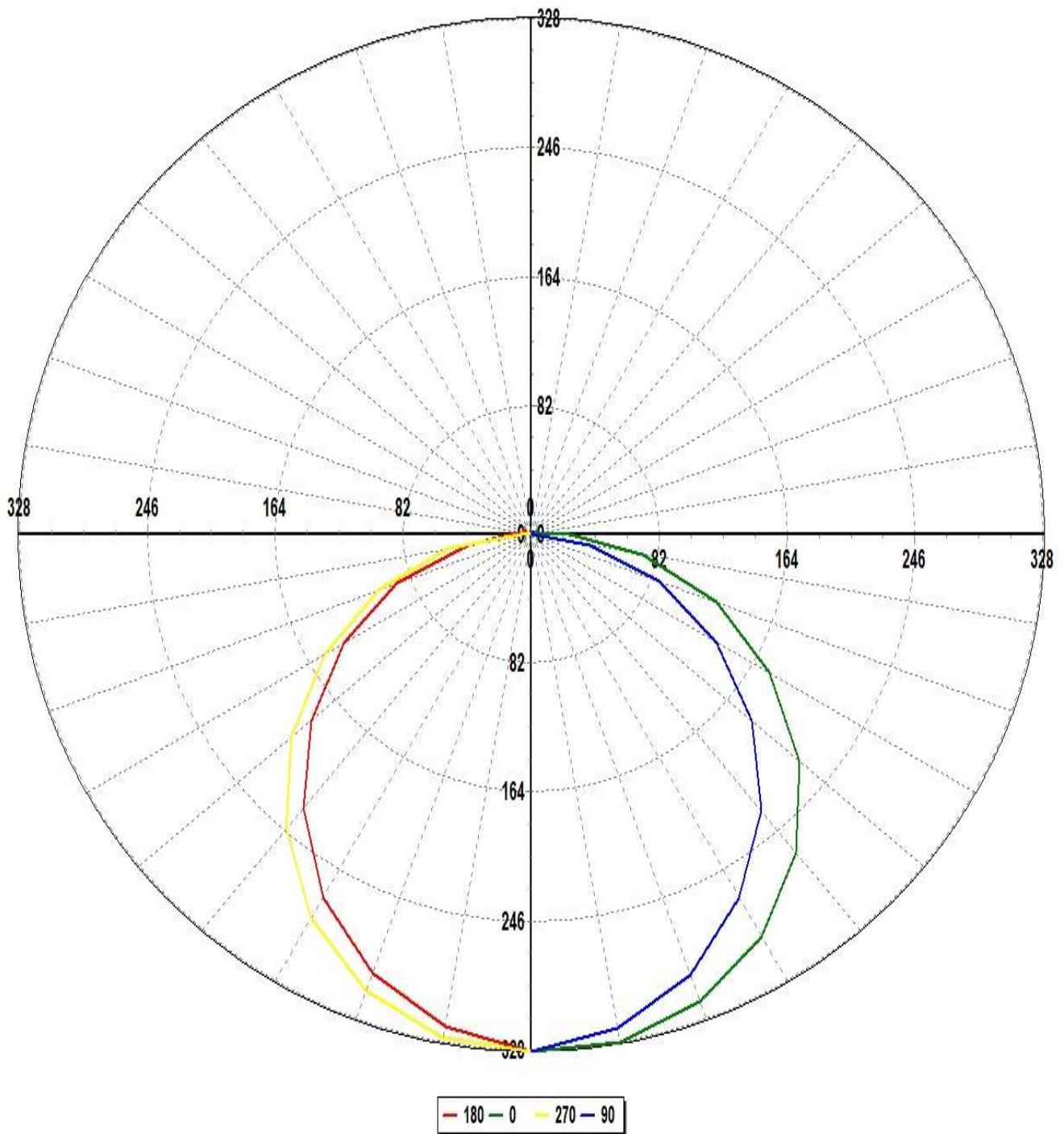
Total flux (lm) 712

Power Factor

0.99Date

2026-04-17 오전 11:47:05

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Current (A)

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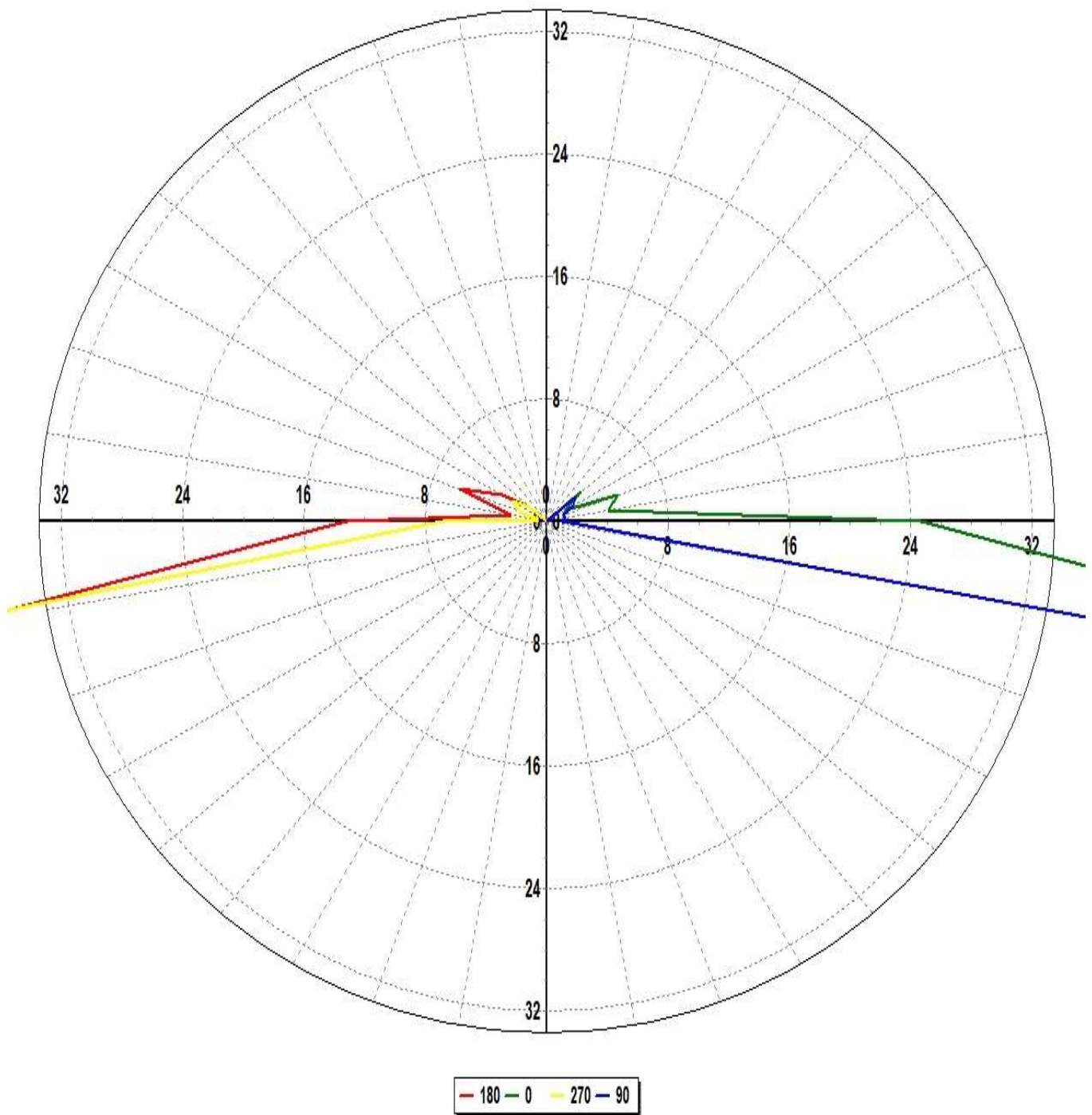
Total flux (lm) 712

Power Factor

0.99Date

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Luminous Intensity Distribution (Lowest 10%)



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0.411Operator

Total flux (lm) 712

Power Factor

0.99Date

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Luminous Intensity Data

Maximum (cd) : 234

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	234.02	234.33	233.83	234.18	229.08	230.17	234.02	234.33	233.83	234.18	229.08
10	233.46	233.26	230.3	227.25	221.34	219.31	226.02	227.48	229.47	231.45	229.21
20	225.19	223.87	219.24	212.15	206.04	202.3	211.82	213.26	215.57	220.05	219.6
30	210.28	207.01	200.11	189.87	182.84	179.05	189.72	191.67	194.23	200.63	203.07
40	188.13	183.14	174.5	163.38	155.2	150.72	161.75	165.62	167.16	173.97	180.31
50	159.74	154.66	143.99	131.53	124.06	119.81	130.94	134.08	137.26	142.93	150.49
60	125.59	120.42	109.69	97.5	90.92	86.99	98.61	101.55	103.22	108.32	119.17
70	89.96	84.93	75.47	62.02	56.87	54.22	65.23	67.49	68.36	73.4	83.58
80	51.63	47.71	39.86	27.38	24.04	19.26	29.24	32.6	35.47	38.62	49.69
90	17.56	13.88	6.9	0.71	4.09	6.2	9.36	8.36	4.93	4.87	14.23
100	2.94	2.42	1.86	0.91	1.66	1.31	1.72	1.27	3.06	0.42	2.56
110	3.54	2.4	1.55	0.82	1.97	3.26	4.37	3.83	1.24	1.34	0.86
120	0.99	1.06	1.27	1.42	0.88	1.38	2.39	2.07	1.62	1.84	2.02
130	2.09	1.82	1.92	1.8	1.35	2.28	1.03	1.5	1.23	1.04	1.68

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	23.8	Filename	260417 FNX1 35K-24V-C90.jdt
Lamp flux (lm)	712	Current (A)	0.411	Operator	
Total flux (lm)	712	Power Factor	0.99	Date	2026-04-17 오전 11:47:05

Luminous Intensity Data (Continued)

Maximum (cd) : 234

Minimum (cd) : 0

G/C	330	360
0	230.17	234.02
10	231.63	233.46
20	223.81	225.19
30	211.1	210.28
40	189.32	188.13
50	162.54	159.74
60	131.46	125.59
70	96.2	89.96
80	61.01	51.63
90	22.46	17.56
100	1.6	2.94
110	2.7	3.54
120	0.8	0.99
130	1.58	2.09

Luminaire KH FEELUX

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Current (A)

0.411Operator

Total flux (lm) 712

Power Factor

0.99Date

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Luminous Flux Table

Total Lamp Lumens: 711.72

Luminaire Efficiency (lm/W): 72.30

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.56	5.56	0.78	0.78
10	43.43	48.99	6.88	6.88
20	80.94	129.93	18.26	18.26
30	107.68	237.61	33.39	33.39
40	120.45	358.06	50.31	50.31
50	118.30	476.36	66.93	66.93
60	102.23	578.60	81.30	81.30
70	75.28	653.88	91.88	91.87
80	41.03	694.91	97.64	97.64
90	10.36	705.27	99.10	99.09
100	1.95	707.23	99.37	99.37
110	2.39	709.62	99.71	99.70
120	1.40	711.02	99.90	99.90
130	0.70	711.72	100.00	100.00

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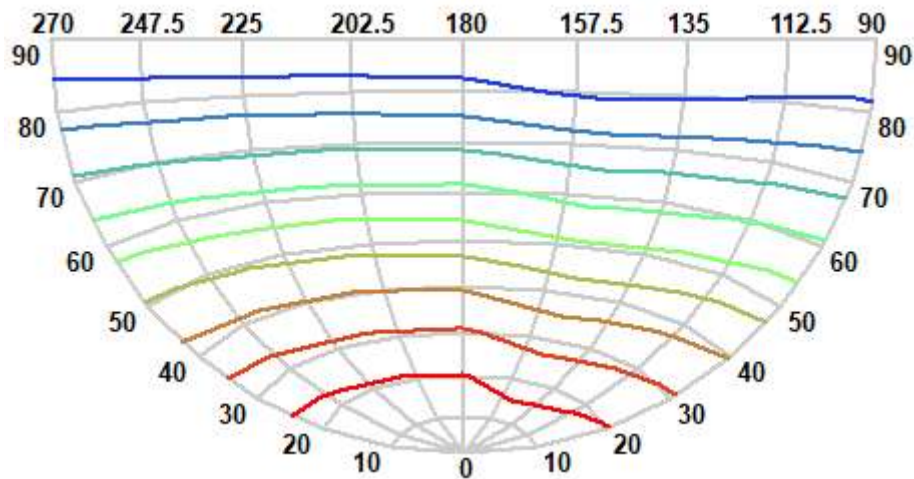
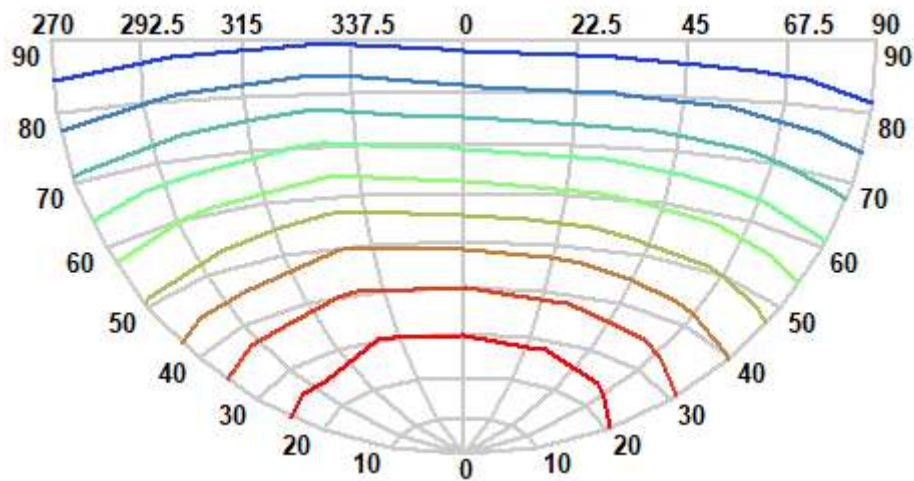
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IsoCandela (Type C)



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Current (A)

0.411Operator

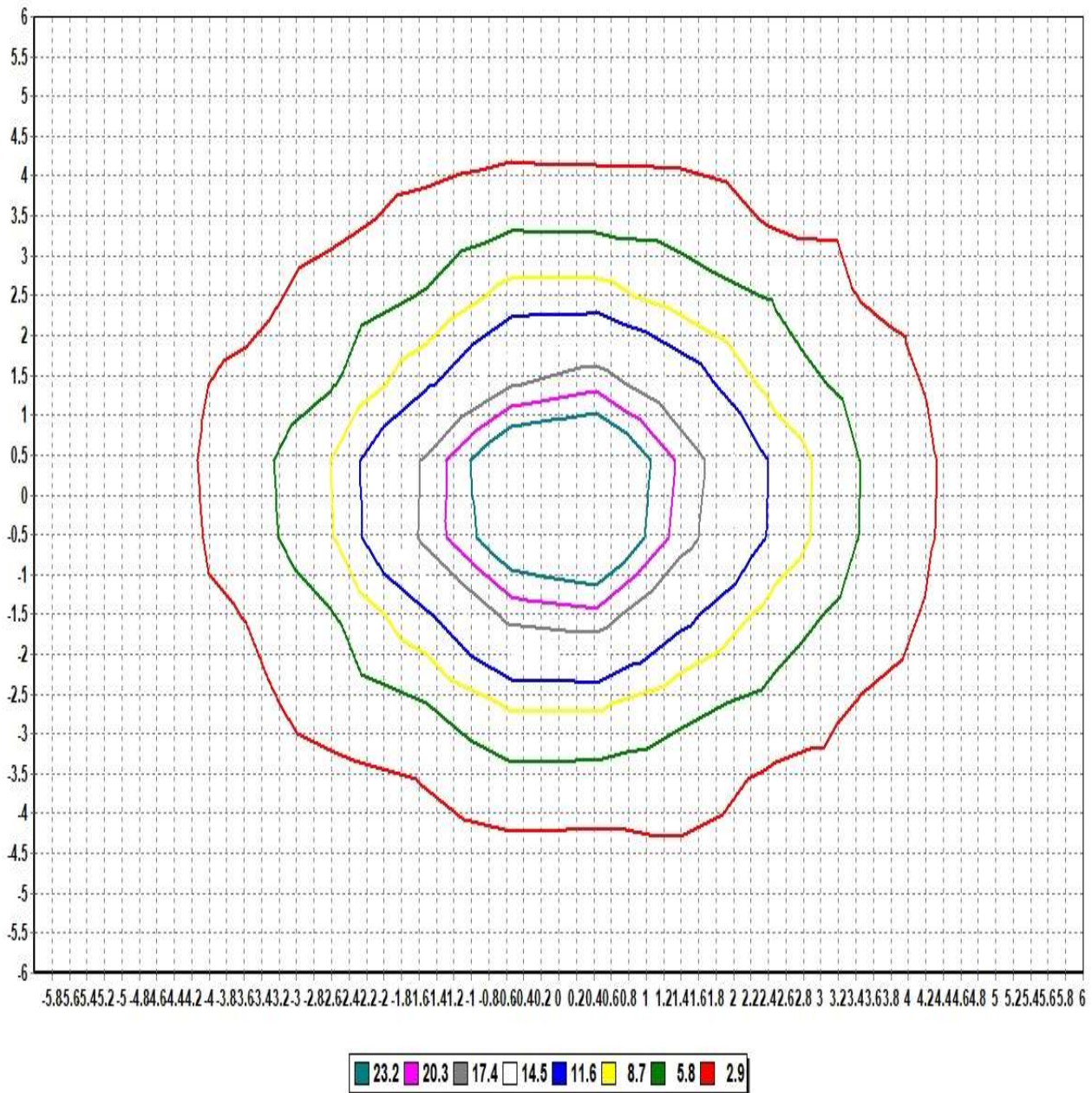
Total flux (lm) 712

Power Factor

0.99Date

2026-04-17 오전 11:47:05

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1

Voltage (V)

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Lamp flux (lm) 712

Current (A)

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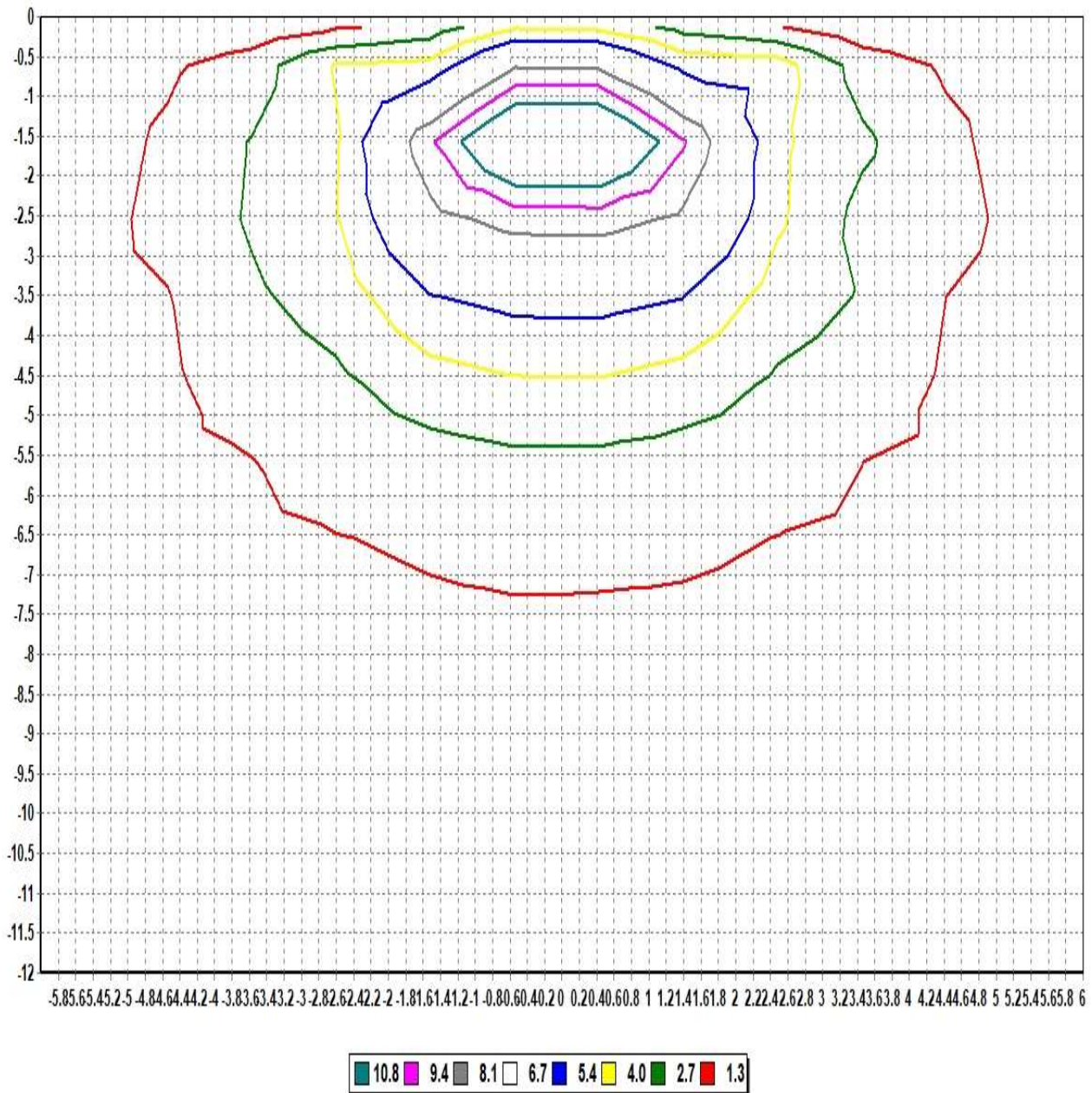
Total flux (lm) 712

Power Factor

0.99Date

2026-04-17 오전 11:47:05

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) 23.899

Lamp flux (lm) 712 Current (A) 0.41194

Total flux (lm) 712 Power Factor 0.9999

Report

KH FEELUX

Filename 260417 FNX1 35K-24V-C90.jdt

Operator

Date 2026-04-17 오전 11:47:05

Illuminance Levels (Ground)

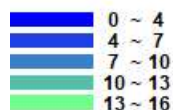
6.00	0.33	0.44	0.37	0.46	0.58	0.78	0.73	0.73	0.77	0.65	0.46	0.53	0.44
5.00	0.41	0.39	0.57	0.80	1.42	1.86	1.85	1.81	1.73	0.94	0.71	0.56	0.58
4.00	0.33	0.52	1.24	1.83	1.81	2.59	2.67	2.58	2.33	2.07	1.56	0.79	0.54
3.00	0.45	0.71	1.70	2.18	4.50	4.83	5.66	5.71	4.90	2.79	2.25	1.09	0.66
2.00	0.55	1.38	1.78	4.18	6.29	9.85	12.28	11.47	7.57	5.27	2.36	1.78	0.81
1.00	0.69	1.69	2.34	4.65	9.76	18.28	25.65	20.25	11.57	5.93	3.14	2.17	0.99
0.00	0.75	1.85	2.68	5.63	12.20	25.51	32.10	26.38	13.94	6.79	3.35	2.27	1.00
-1.00	0.65	1.65	2.32	5.05	10.41	18.67	26.14	19.65	11.42	5.88	3.13	2.16	0.97
-2.00	0.64	1.51	1.99	4.50	6.50	10.45	13.04	11.31	7.13	5.31	2.35	1.77	0.83
-3.00	0.53	0.83	1.86	2.29	4.65	5.14	6.12	5.60	4.87	2.59	2.28	1.15	0.66
-4.00	0.40	0.61	1.29	1.93	2.00	2.64	2.94	2.63	2.30	2.05	1.45	0.83	0.57
-5.00	0.46	0.43	0.63	0.87	1.53	1.88	2.02	1.86	1.70	0.92	0.70	0.51	0.59
-6.00	0.35	0.48	0.41	0.53	0.65	0.78	0.84	0.77	0.75	0.64	0.45	0.52	0.40
-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.) : 32.101

Illum. (Min.) : 0.3290

Illum. (Avg.) : 3.8083

All illuminance level values are in lux.



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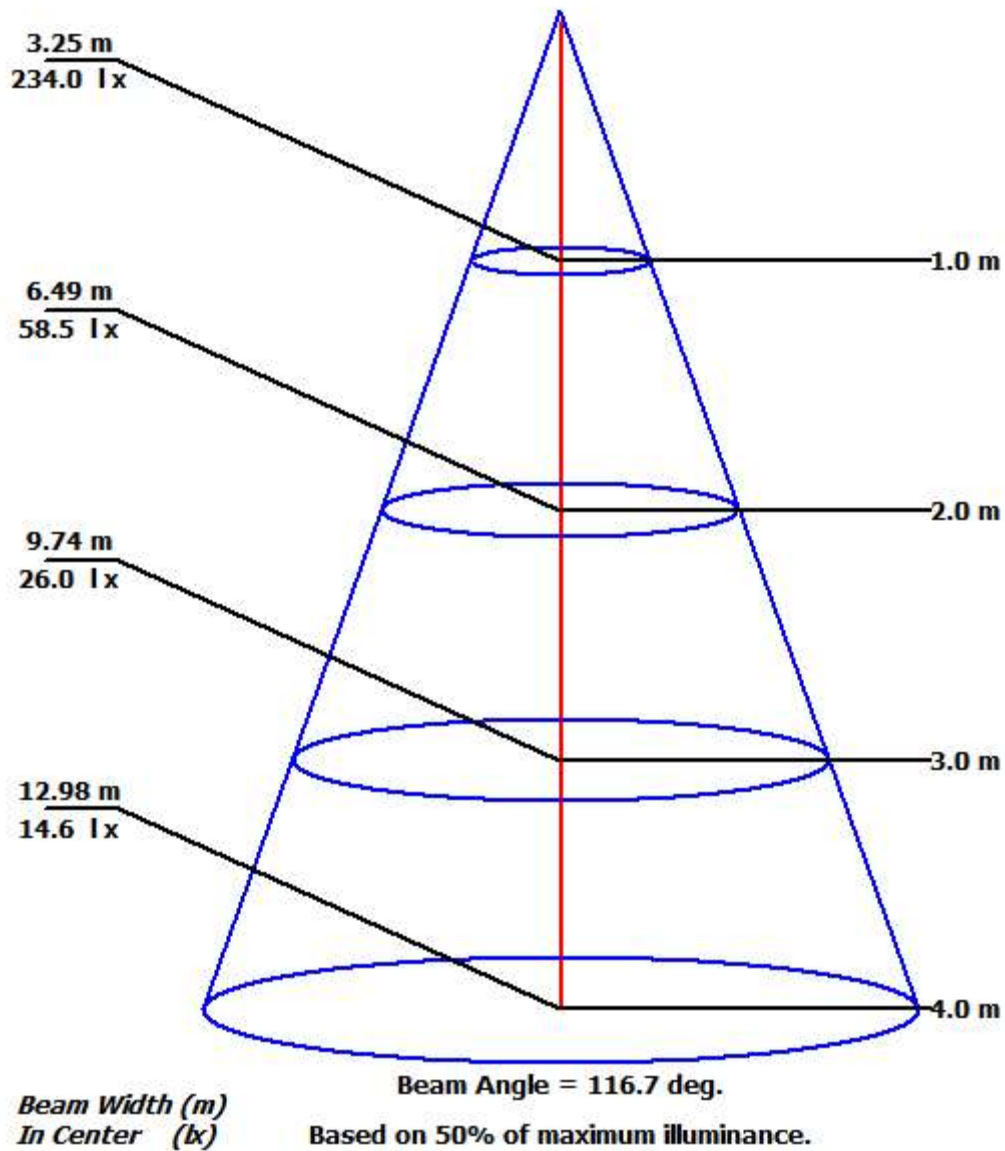
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Illuminance Cone Diagram



Luminaire KH FEELUX

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Lamp flux (lm) 712 Current (A) 0.41194

Operator

Total flux (lm) 712 Power Factor 0.9999

Date 2026-04-17 오전 11:47:05

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