

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 40K-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		0.3799 , 0.3817	
Correlated Color Temperature	K	4046	
Ra		92.85	
Power Factor		1.000	
Input Voltage	V	23.946	
Input Current	A	0.400	
Input Watt	W	9.577	
Lamp Flux	lm	724.6	
Efficient	lm/W	75.66	
luminous Intensity (Max , Center)	cd	239 , 238	
Illuminance	lx	238	1 m
		60	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 40K-24V-C90.jdt

Lamp flux (lm) 725

Current (A)

0.399Operator

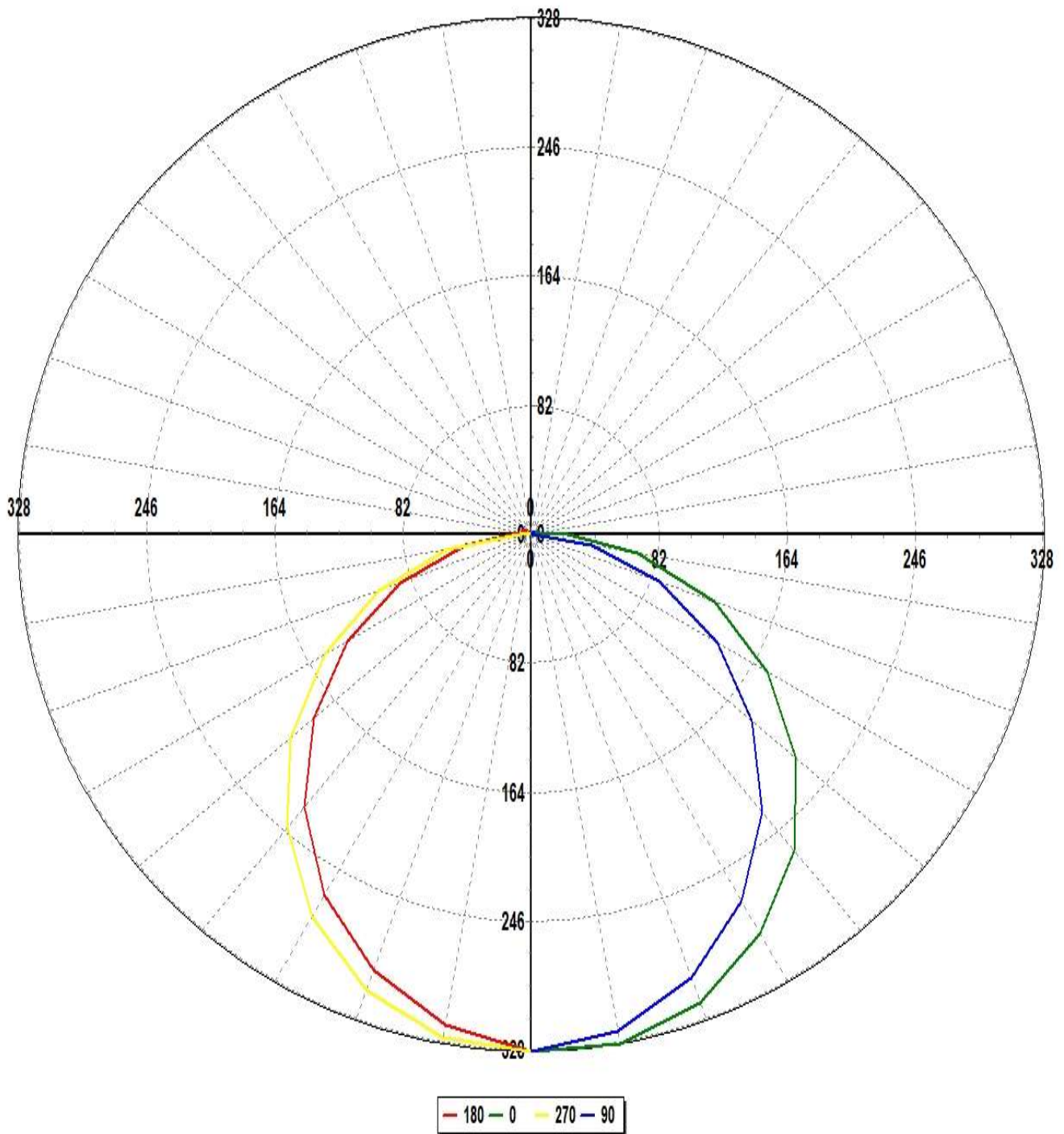
Total flux (lm) 725

Power Factor

0.99Date

2026-04-17 오후 12:24:15

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Current (A)

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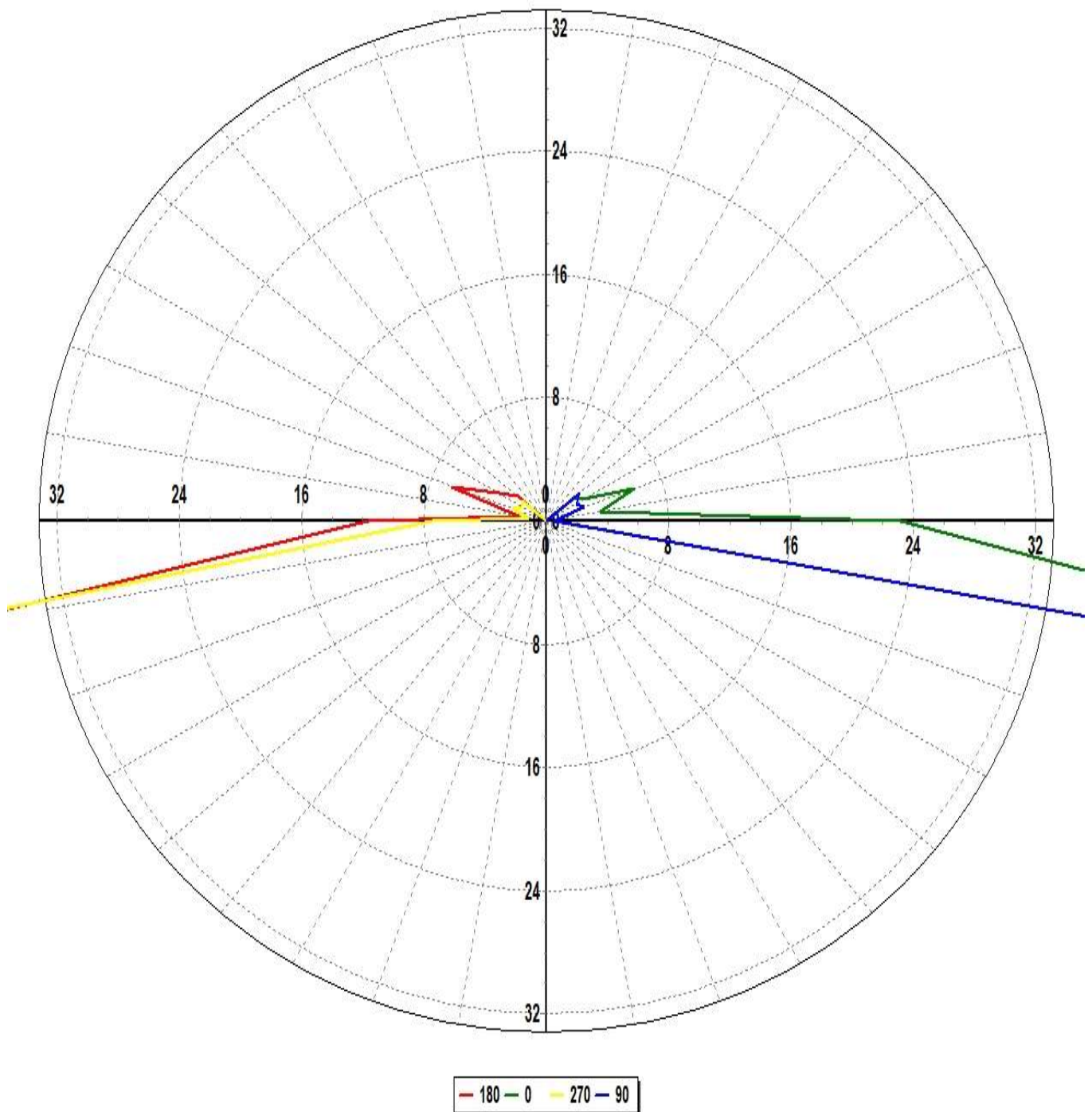
Total flux (lm) 725

Power Factor

0.99Date

2026-04-17 오후 12:24:15

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	23.9	Filename	260417 FNX1 40K-24V-C90.jdt
Lamp flux (lm)	725	Current (A)	0.399	Operator	
Total flux (lm)	725	Power Factor	0.99	Date	2026-04-17 오후 12:24:15

Luminous Intensity Data

Maximum (cd) : 239

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	238.32	238.59	238.09	238.04	238.08	237.51	238.32	238.59	238.09	238.04	238.08
10	238.06	237.49	234.64	232.56	230.03	227.23	229.63	230.08	231.6	235.71	236.81
20	229.71	228.79	223.06	217.19	212.43	208.68	213.64	215.92	218	223.83	228.58
30	212.47	210.06	203.8	195.21	190.62	185.12	192.13	192.89	197.66	203.6	211.65
40	189.98	185.53	176.94	167.18	160.39	156.43	163.91	165.17	169.74	176.45	186.11
50	160.38	155.87	146.03	133.97	127.48	123.78	131.46	133.78	137	145.62	155.71
60	126.6	122.66	111.35	99.78	93.15	90.07	98.52	99.94	104.05	110.48	122.2
70	90.77	86.7	76.71	63.23	59.14	55.26	64.41	66.39	69.25	75.31	86.88
80	50.36	49.12	40.68	28.67	24.69	19.15	30.86	32.57	34.31	40.05	51.66
90	16.79	14.31	5.21	0.37	2.92	6.45	8.45	7.13	4.24	5.41	14.02
100	2.58	2.02	1.82	0.71	2.52	1.05	1.33	1.42	1.69	0.85	3.09
110	4.45	2.59	1.21	1.9	1.02	3.01	4.78	3.82	0.75	1.68	1.32
120	1.97	1.35	1.99	1.63	0.94	1.97	2.58	1.92	1.81	1.34	0.43
130	1.73	1.12	1.78	2.05	0.96	1.87	1.76	1.93	1.38	1.46	1.34

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Lamp flux (lm)	725	Current (A)	0.399	Operator	
Total flux (lm)	725	Power Factor	0.99	Date	2026-04-17 오후 12:24:15

Luminous Intensity Data (Continued)

Maximum (cd) : 239

Minimum (cd) : 0

G/C	330	360
0	237.51	238.32
10	239.29	238.06
20	233.45	229.71
30	217.76	212.47
40	196.19	189.98
50	167.12	160.38
60	134.34	126.6
70	99.85	90.77
80	62.5	50.36
90	23.22	16.79
100	0.63	2.58
110	3.37	4.45
120	0.14	1.97
130	1.03	1.73

Luminaire KH FEELUX

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KH FEELUX

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Total flux (lm)	725	Power Factor	0.99	Date	2026-04-17 오후 12:24:15

Luminous Flux Table

Total Lamp Lumens: 724.60

Luminaire Efficiency (lm/W): 75.66

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.69	5.69	0.79	0.79
10	44.43	50.12	6.92	6.92
20	82.82	132.94	18.35	18.35
30	110.12	243.06	33.54	33.54
40	122.85	365.91	50.50	50.50
50	120.13	486.04	67.08	67.08
60	103.79	589.83	81.40	81.40
70	76.67	666.50	91.98	91.98
80	41.76	708.26	97.74	97.75
90	9.90	718.16	99.11	99.11
100	1.77	719.94	99.36	99.36
110	2.56	722.50	99.71	99.71
120	1.43	723.93	99.91	99.91
130	0.67	724.60	100.00	100.00

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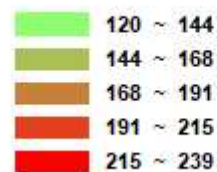
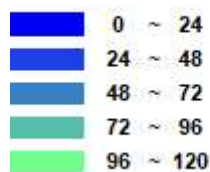
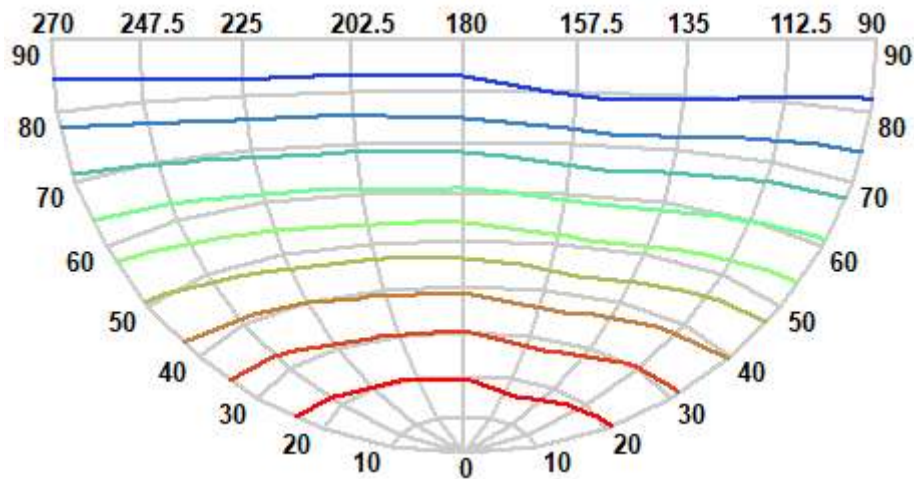
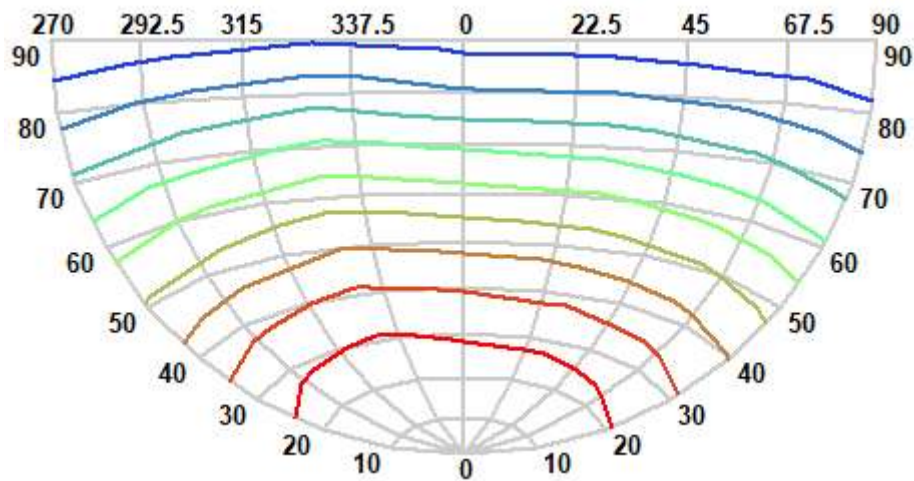
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IsoCandela (Type C)



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Current (A)

0.399Operator

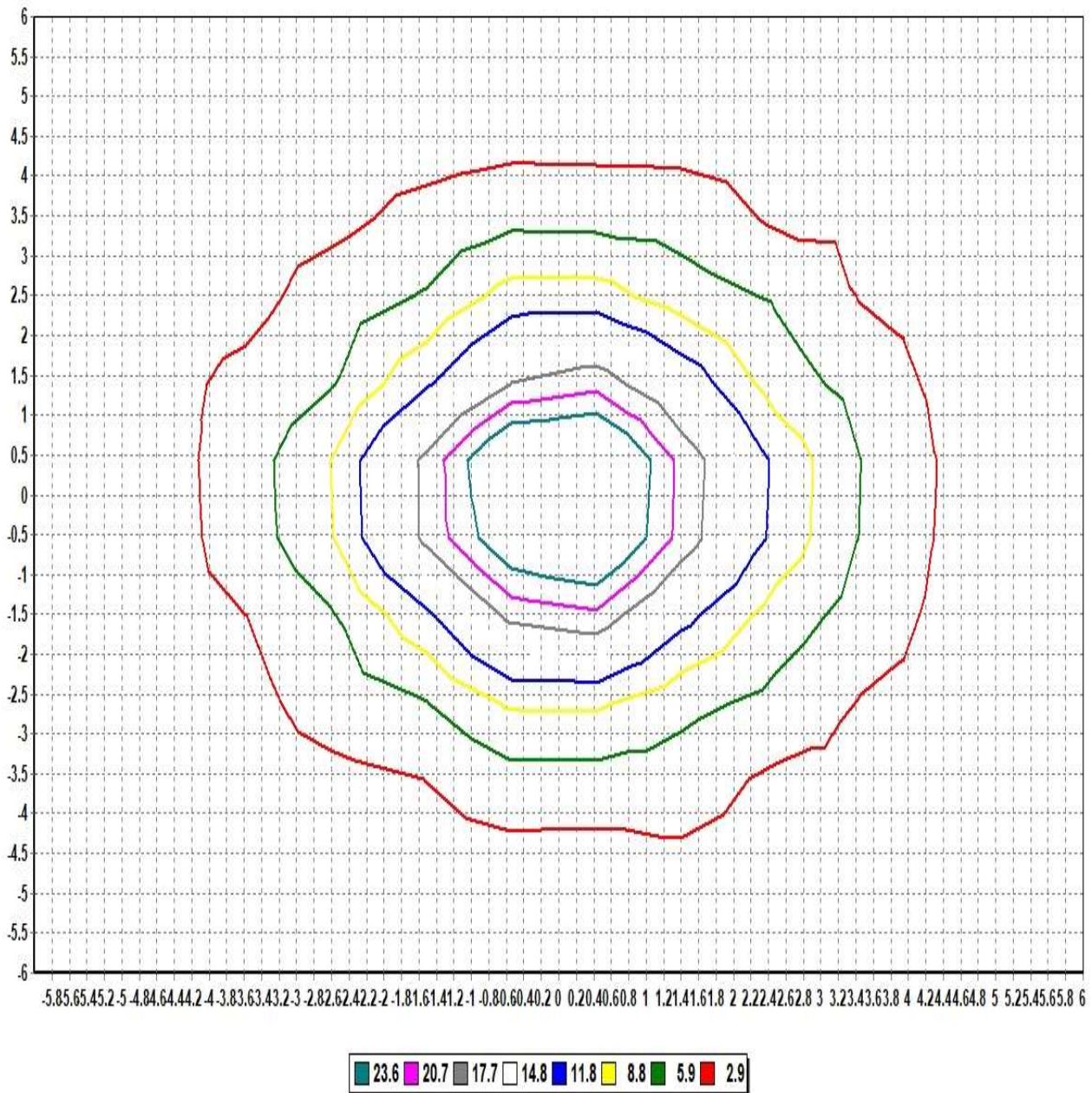
Total flux (lm) 725

Power Factor

0.99Date

2026-04-17 오후 12:24:15

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.9Filename 260417 FNX1 40K-24V-C90.jdt

Lamp flux (lm) 725

Current (A)

0.399Operator

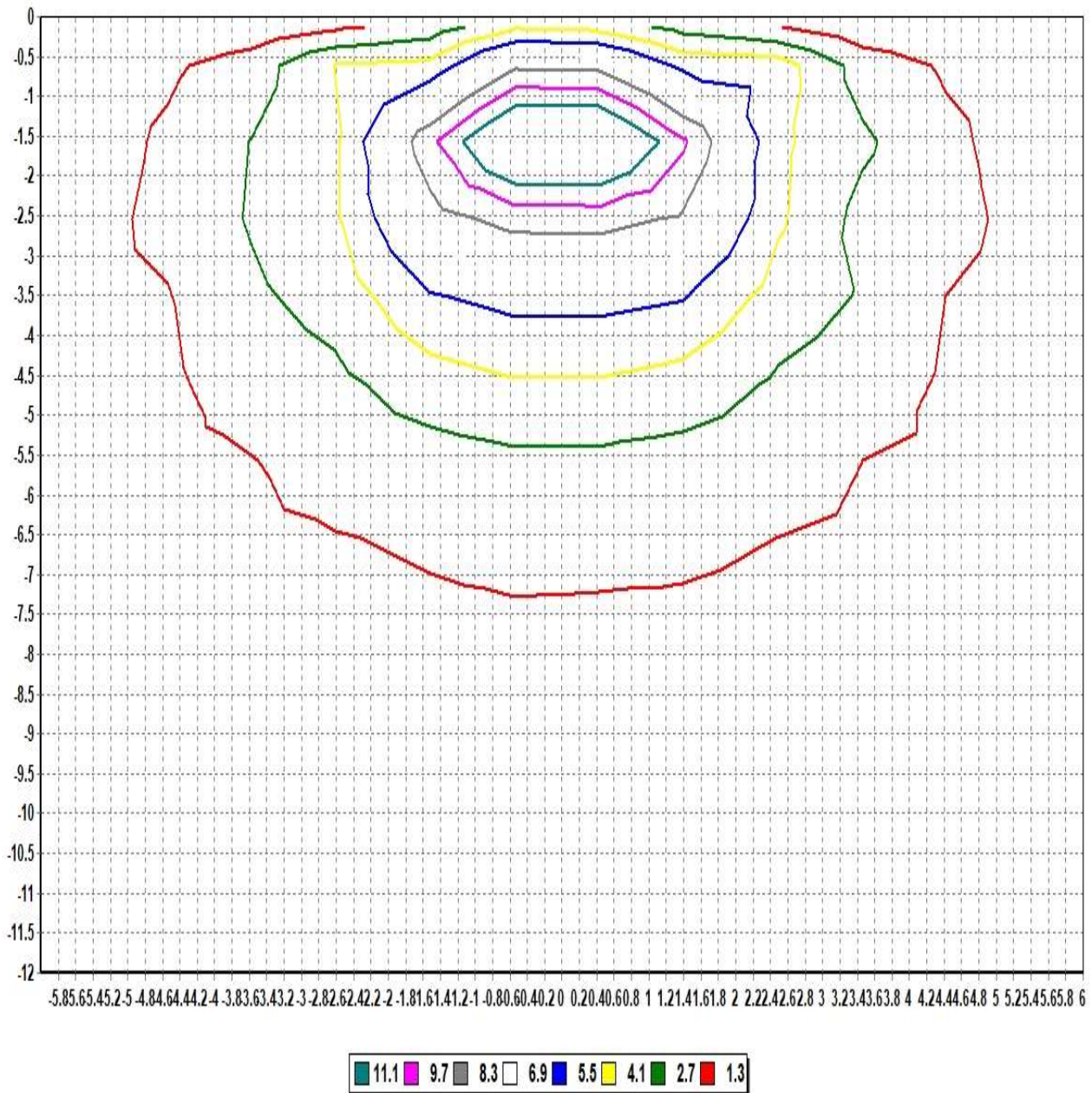
Total flux (lm) 725

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)	23.946
Lamp flux (lm)	725	Current (A)	0.39999
Total flux (lm)	725	Power Factor	0.9999

Report

KH FEELUX

Filename 260417 FNX1 40K-24V-C90.jdt

Operator

Date 2026-04-17 오후 12:24:15

Illuminance Levels (Ground)

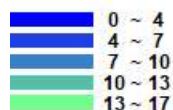
6.00	0.34	0.45	0.38	0.47	0.59	0.79	0.75	0.75	0.78	0.66	0.47	0.53	0.44
5.00	0.42	0.40	0.58	0.82	1.45	1.89	1.89	1.85	1.75	0.95	0.72	0.57	0.58
4.00	0.34	0.53	1.26	1.87	1.85	2.64	2.73	2.62	2.37	2.10	1.57	0.80	0.55
3.00	0.47	0.74	1.75	2.23	4.60	4.94	5.77	5.77	4.97	2.82	2.26	1.10	0.67
2.00	0.57	1.42	1.83	4.33	6.45	10.17	12.59	11.62	7.63	5.32	2.40	1.80	0.83
1.00	0.69	1.71	2.37	4.79	10.09	18.89	26.25	20.55	11.71	5.97	3.19	2.22	1.01
0.00	0.75	1.86	2.68	5.66	12.36	25.92	32.69	26.90	14.08	6.83	3.37	2.28	1.00
-1.00	0.66	1.68	2.36	5.05	10.41	18.86	26.62	20.22	11.79	6.07	3.18	2.19	0.99
-2.00	0.63	1.50	1.96	4.54	6.52	10.45	13.23	11.65	7.31	5.49	2.41	1.82	0.85
-3.00	0.52	0.82	1.86	2.28	4.69	5.13	6.23	5.76	4.96	2.65	2.34	1.18	0.68
-4.00	0.39	0.60	1.29	1.93	1.97	2.67	2.99	2.66	2.36	2.09	1.48	0.85	0.59
-5.00	0.46	0.43	0.63	0.88	1.52	1.90	2.06	1.87	1.75	0.94	0.71	0.52	0.61
-6.00	0.35	0.48	0.42	0.52	0.65	0.80	0.85	0.78	0.78	0.66	0.46	0.53	0.41
-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.) : 32.692

Illum. (Min.) : 0.3372

Illum. (Avg.) : 3.8747

All illuminance level values are in lux.



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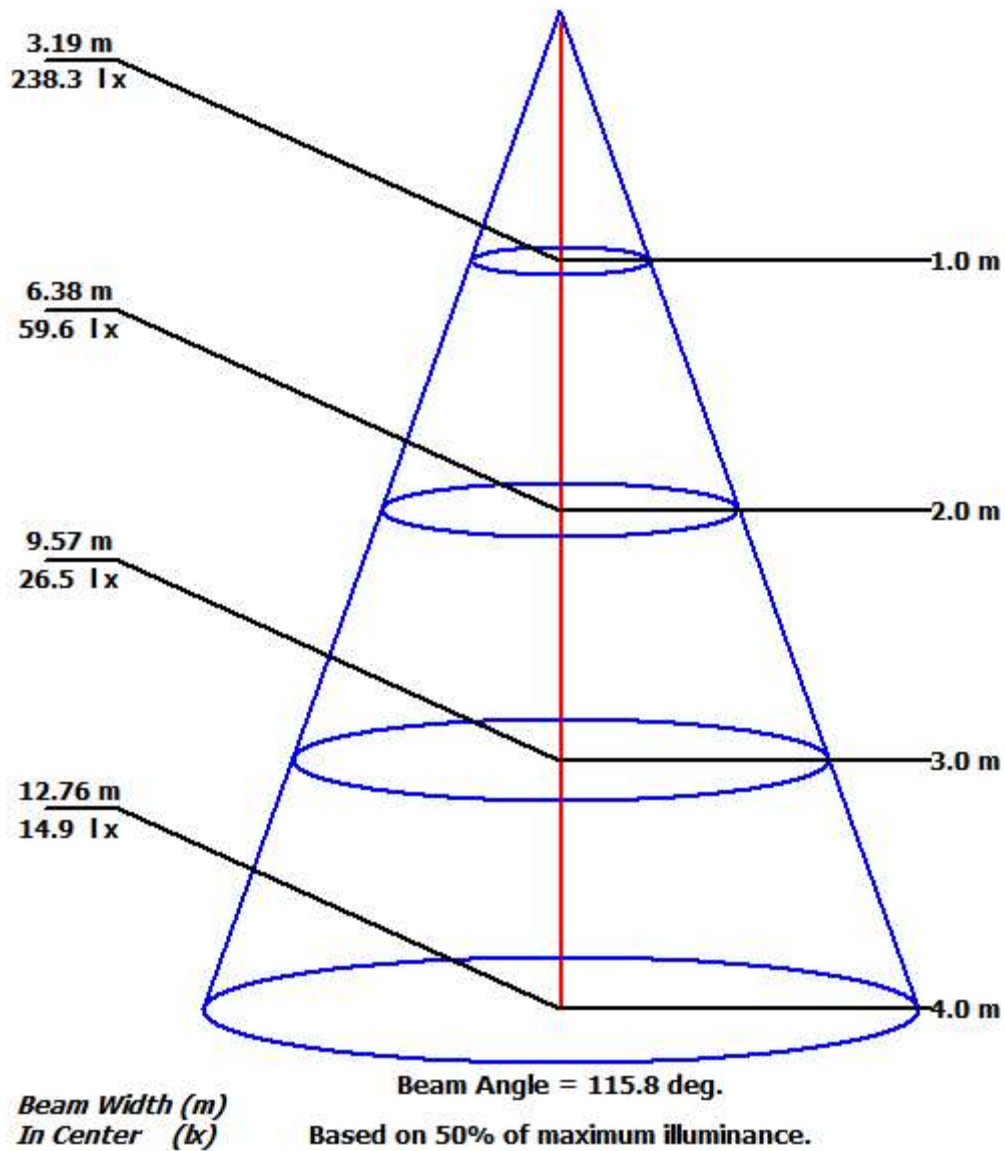
Total flux (lm) 725

Power Factor

0.99Date

2026-04-17 오후 12:24:15

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.946

Filename 260417 FNX1 40K-24V-C90.jdt

Lamp flux (lm) 725 Current (A) 0.39999

Operator

Total flux (lm) 725 Power Factor 0.9999

Date 2026-04-17 오후 12:24:15

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