

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 FNX2 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		0.3729 , 0.3700	
Correlated Color Temperature	K	4165	
Ra		93.81	
Power Factor		1.000	
Input Voltage	V	23.899	
Input Current	A	0.386	
Input Watt	W	9.222	
Lamp Flux	lm	708.5	
Efficient	lm/W	76.83	
luminous Intensity (Max , Center)	cd	236 , 232	
Illuminance	lx	232	1 m
		58	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 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

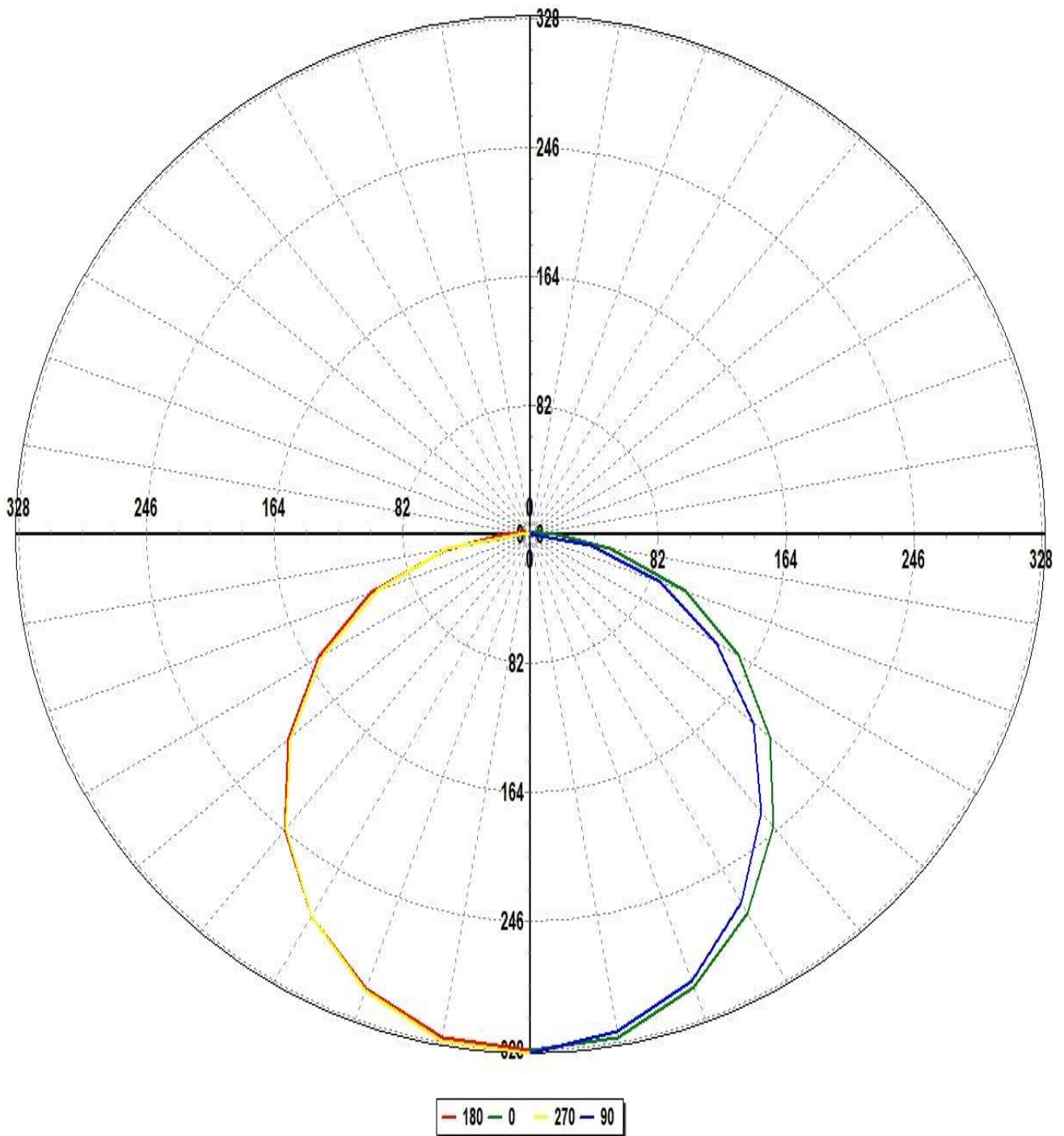
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

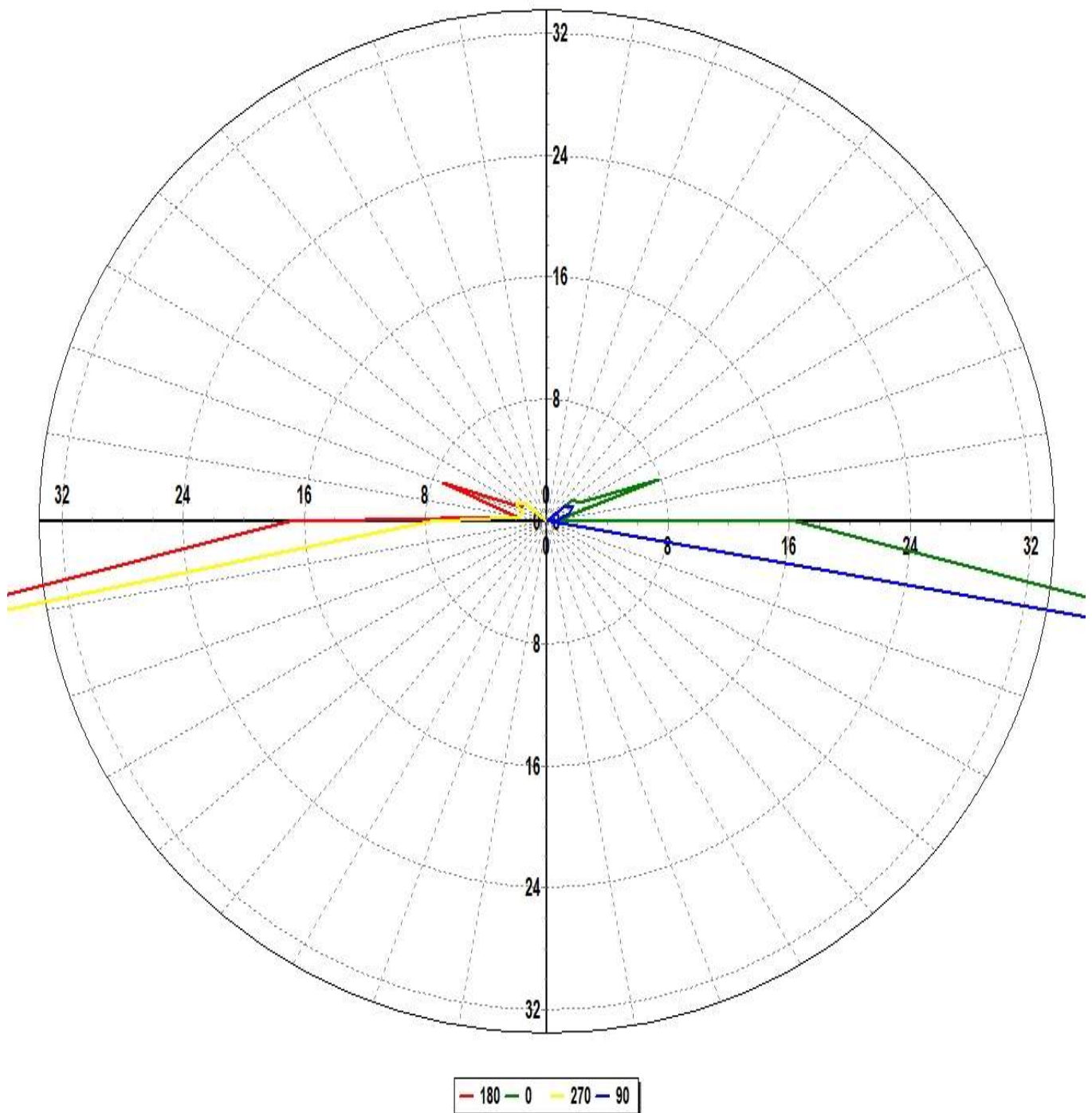
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Luminous Intensity Data

Maximum (cd) : 236

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	232.15	235.53	234.06	233.83	234.07	234.41	232.15	235.53	234.06	233.83	234.07
10	230.07	230.76	229.66	227.61	228.39	227.93	229.94	231.11	231.02	231.34	231.78
20	216.91	216.93	216.04	214.07	214.06	213.37	218.17	218.63	218.89	218.84	220.45
30	196.86	197.43	194.45	191.62	191.78	191.34	198.65	198.94	199.14	199.04	200.93
40	171.58	170.8	167.3	163.32	164.47	164.84	173.67	174.27	172.38	172.74	175.87
50	142.14	140.63	136.26	132.06	132.65	132.5	143.4	143.48	141.7	141.99	145.41
60	109.23	107.49	102.28	97.35	98.3	99.74	111.03	110.78	108.7	108.31	112.23
70	74.98	73.33	68.24	62.71	63.9	65	77.25	77.09	74.39	73.53	78.47
80	37.01	37.41	34.03	27.86	29.95	26.69	39.21	41.22	40.26	38.35	44.31
90	11.65	9.72	4.38	0.22	2.78	7.49	12.04	10.41	6.73	5.45	9.37
100	0.58	1.62	2.27	0.52	2.81	1.15	1.44	1.16	2.83	1.26	2.61
110	5.59	4.05	1.08	1.1	1.1	3.24	5.22	4.48	0.79	1.17	0.65
120	1.76	1.85	1.39	1.42	1.43	1.48	1.36	1.06	1.58	1.65	1.4
130	1.58	1.88	1.25	0.99	1.23	1.45	1.34	1.49	1.43	1.35	2.11

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Luminous Intensity Data (Continued)

Maximum (cd) : 236

Minimum (cd) : 0

G/C	330	360
0	234.41	232.15
10	231.83	230.07
20	221.73	216.91
30	204.51	196.86
40	180.09	171.58
50	150.58	142.14
60	118.31	109.23
70	83.97	74.98
80	50.67	37.01
90	15.29	11.65
100	0.44	0.58
110	4.58	5.59
120	1.2	1.76
130	1.57	1.58

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Luminous Flux Table

Total Lamp Lumens: 708.45

Luminaire Efficiency (lm/W): 76.82

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.59	5.59	0.79	0.79
10	43.77	49.36	6.97	6.97
20	81.41	130.77	18.46	18.46
30	107.91	238.69	33.69	33.69
40	120.34	359.03	50.67	50.68
50	117.65	476.68	67.28	67.29
60	101.47	578.15	81.60	81.61
70	74.86	653.02	92.17	92.18
80	40.17	693.19	97.84	97.85
90	8.72	701.91	99.07	99.08
100	1.68	703.59	99.31	99.31
110	2.83	706.42	99.71	99.71
120	1.39	707.81	99.90	99.91
130	0.64	708.45	99.99	100.00

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

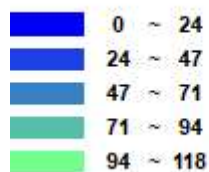
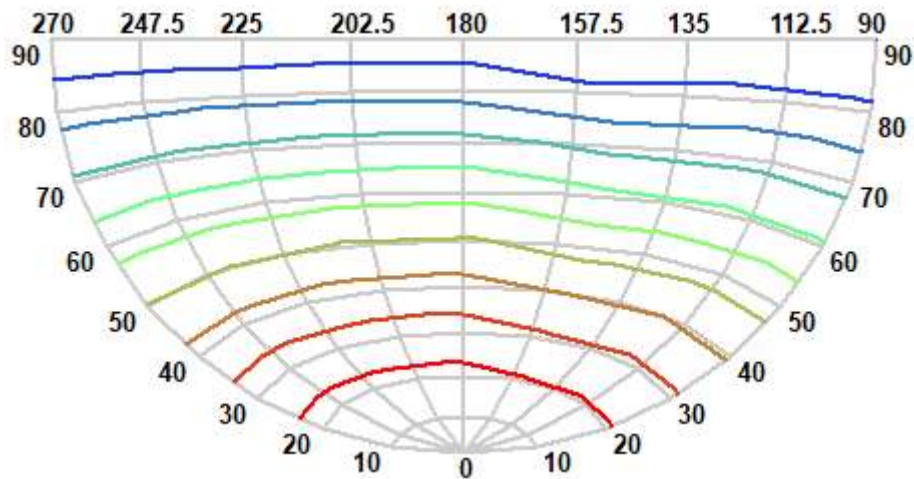
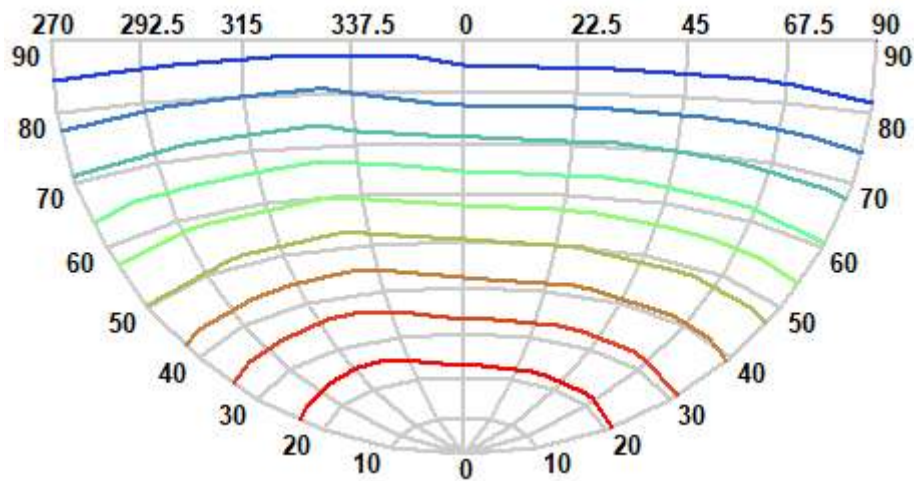
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

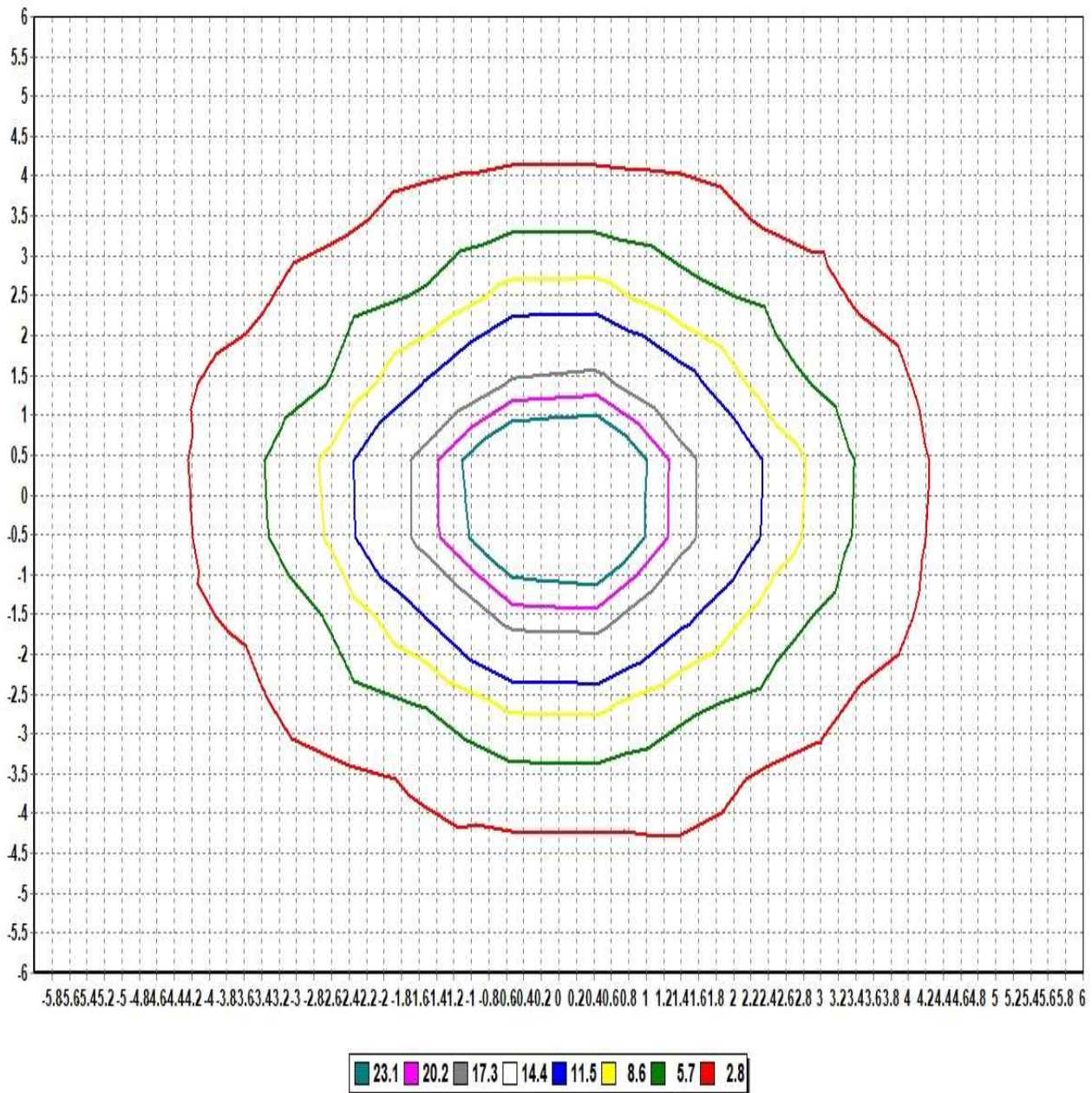
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

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)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

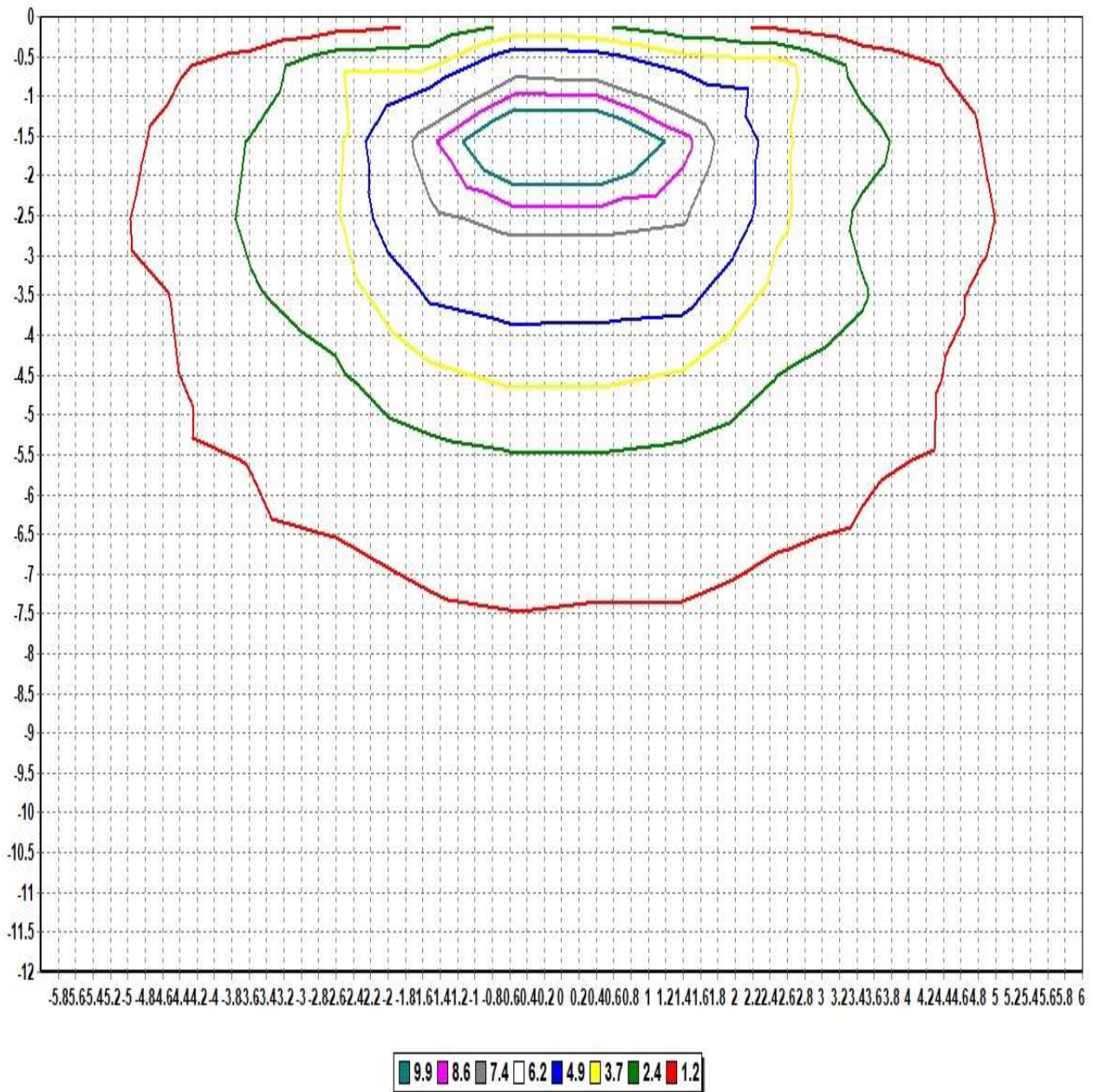
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

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)	709	Current (A)	0.38592
Total flux (lm)	709	Power Factor	0.9999

Report KH FEELUX

Filename 260417 FNX2 40K-24V-C90.jdt

Operator

Date 2026-04-17 오후 4:36:08

Illuminance Levels (Ground)

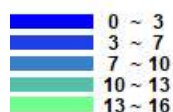
6.00	0.34	0.45	0.38	0.50	0.62	0.73	0.73	0.71	0.68	0.57	0.42	0.48	0.38
5.00	0.46	0.41	0.59	0.81	1.49	1.79	1.86	1.78	1.58	0.86	0.64	0.48	0.50
4.00	0.39	0.60	1.28	1.86	1.93	2.50	2.67	2.50	2.10	1.94	1.39	0.68	0.45
3.00	0.50	0.83	1.87	2.26	4.54	5.03	5.68	5.27	4.67	2.47	2.01	0.93	0.57
2.00	0.62	1.50	1.94	4.57	6.50	10.36	12.32	10.74	6.88	4.79	2.11	1.60	0.70
1.00	0.80	1.86	2.62	5.04	10.37	18.78	25.70	19.24	10.77	5.36	2.81	1.98	0.87
0.00	0.87	2.03	2.98	6.14	12.98	25.97	31.85	25.98	12.84	6.08	2.94	2.01	0.85
-1.00	0.75	1.82	2.61	5.44	10.97	19.40	26.12	19.51	11.11	5.59	2.80	1.95	0.84
-2.00	0.73	1.64	2.17	4.85	6.98	10.97	12.94	11.06	7.00	5.03	2.21	1.68	0.76
-3.00	0.60	0.95	2.03	2.53	4.81	5.42	6.08	5.47	4.83	2.52	2.12	1.02	0.61
-4.00	0.47	0.70	1.41	2.01	2.16	2.69	2.93	2.69	2.19	2.02	1.41	0.74	0.50
-5.00	0.52	0.50	0.68	0.93	1.63	1.90	2.01	1.90	1.65	0.92	0.68	0.49	0.54
-6.00	0.39	0.51	0.45	0.59	0.72	0.80	0.84	0.80	0.72	0.60	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.) : 31.845

Illum. (Min.) : 0.3431

Illum. (Avg.) : 3.7957

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.8Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709

Current (A)

0.385Operator

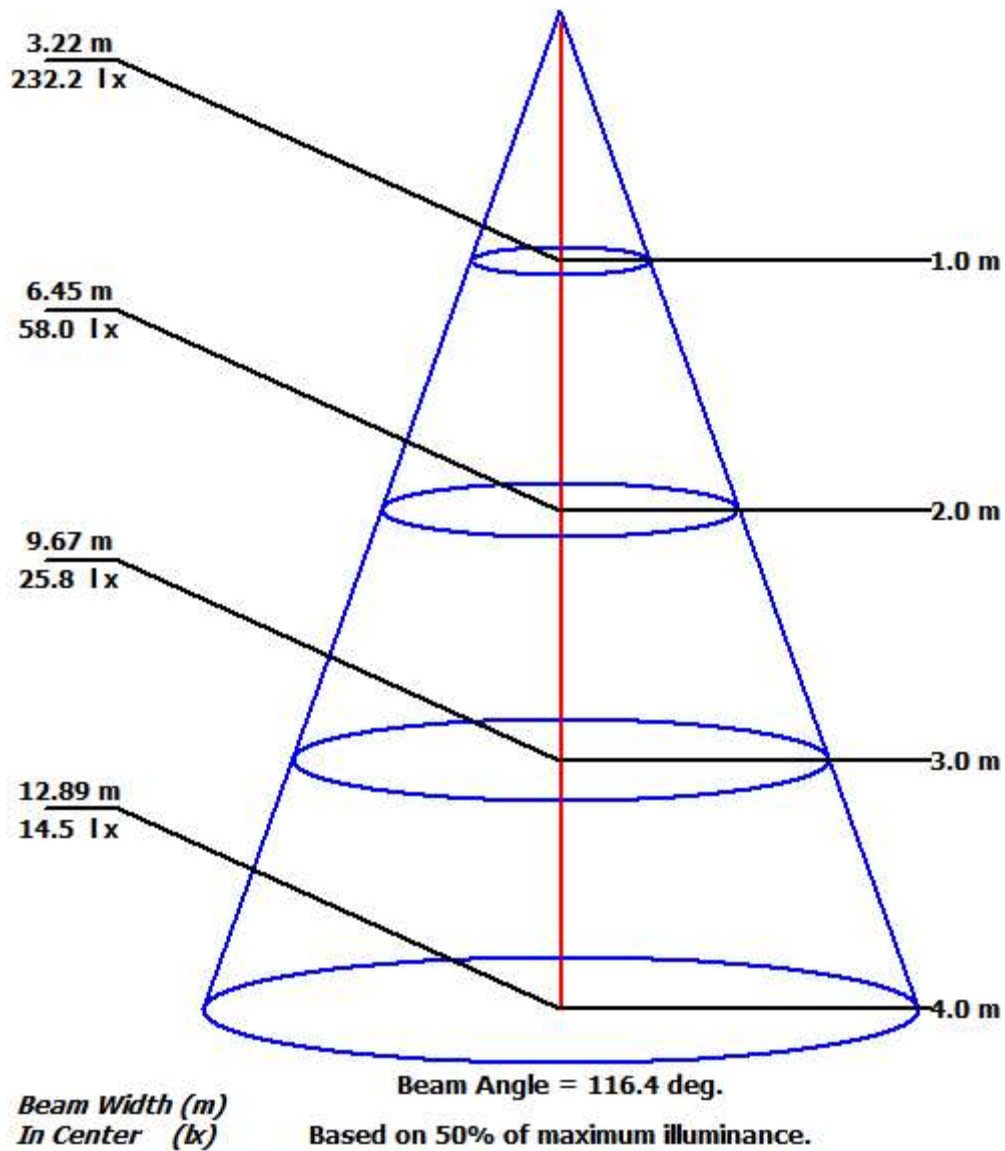
Total flux (lm) 709

Power Factor

0.99Date

2026-04-17 오후 4:36:08

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.899

Filename 260417 FNX2 40K-24V-C90.jdt

Lamp flux (lm) 709 Current (A) 0.38592

Operator

Total flux (lm) 709 Power Factor 0.9999

Date 2026-04-17 오후 4:36:08

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