

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 24K-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		0.4838 , 0.4134	
Correlated Color Temperature	K	2411	
Ra		93.75	
Power Factor		1.000	
Input Voltage	V	23.917	
Input Current	A	0.401	
Input Watt	W	9.586	
Lamp Flux	lm	596.8	
Efficient	lm/W	62.26	
luminous Intensity (Max , Center)	cd	198 , 198	
Illuminance	lx	198	1 m
		50	2 m
		22	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 FNX2 24K-24V-C90.jdt

Lamp flux (lm) 597

Current (A)

0.400Operator

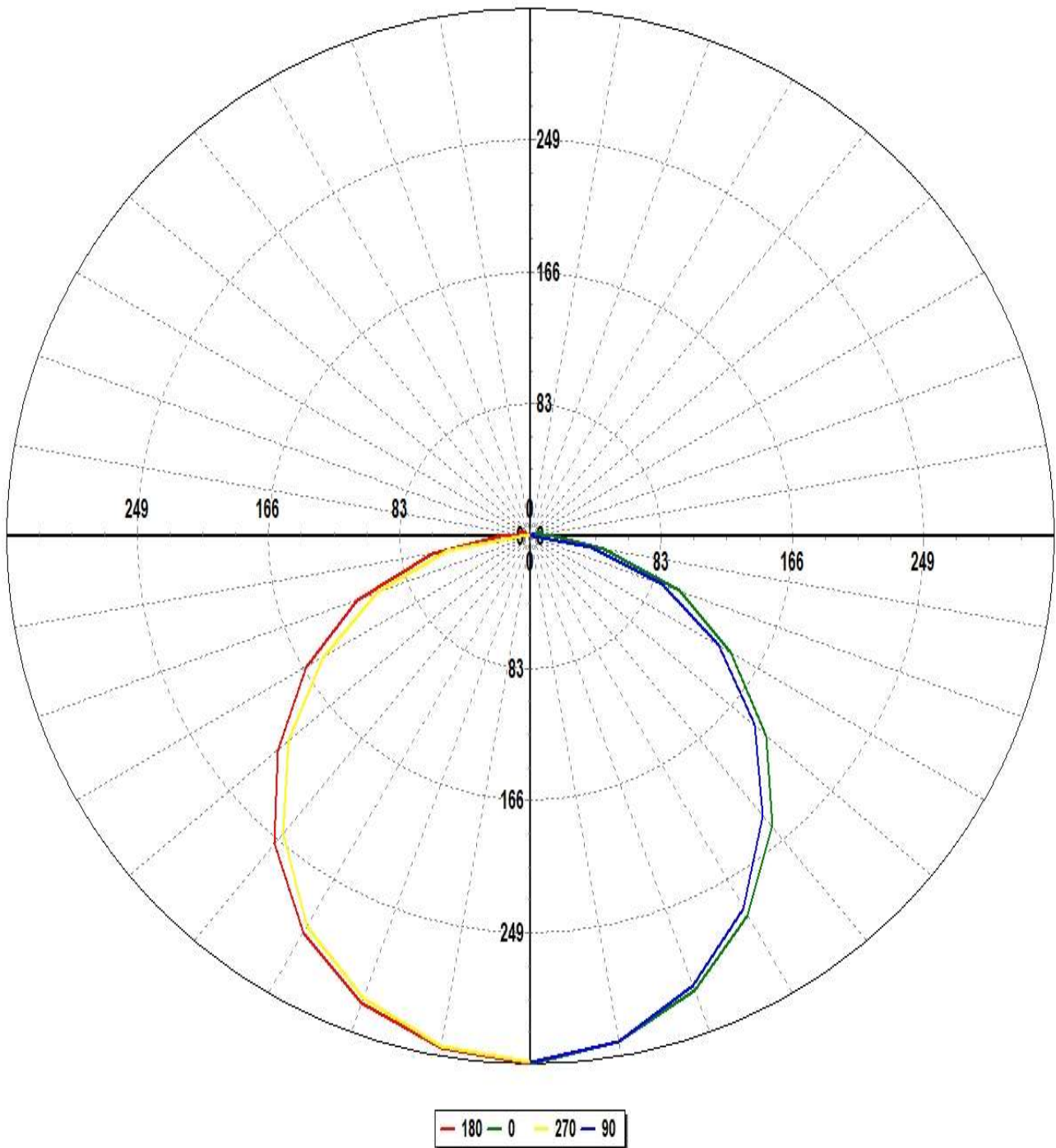
Total flux (lm) 597

Power Factor

0.99Date

2026-04-17 오후 3:06:31

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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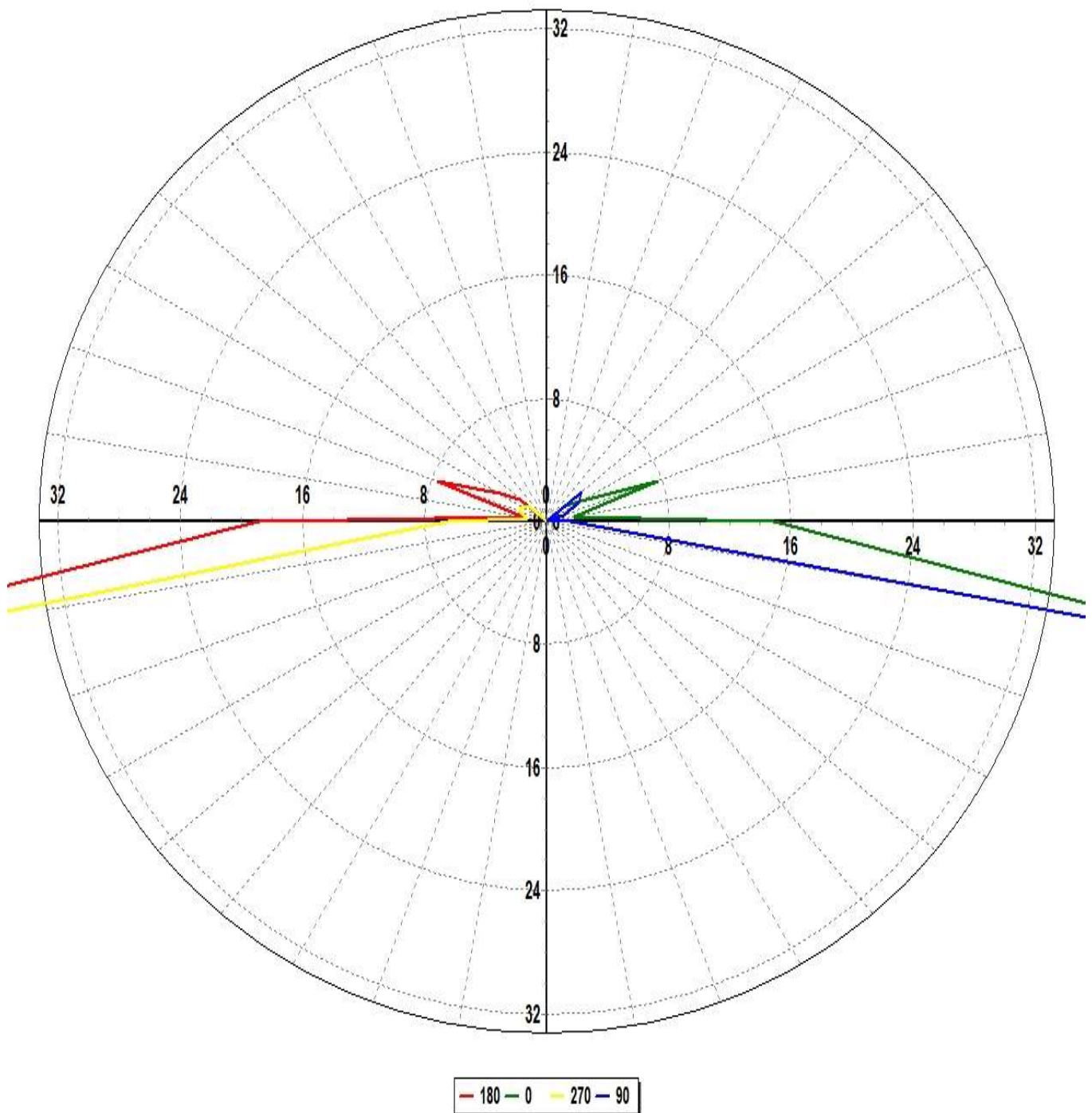
Total flux (lm) 597

Power Factor

0.99Date

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A)

0.400Operator

Total flux (lm) 597

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Luminous Intensity Data

Maximum (cd) : 198

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	198.07	198.38	196.95	197.6	197.15	196.32	198.07	198.38	196.95	197.6	197.15
10	192.89	192.61	192.42	192.3	193.1	192.71	195.1	195.74	195.03	194.58	195.61
20	181.55	181.93	180.46	179.48	181.31	181.3	186.47	186.38	184.62	184.51	184.25
30	164.44	163.08	162.38	161.3	162.44	163.55	171.72	170.56	169.27	168.84	167.79
40	142.18	140.18	138.87	136.84	140.36	140.91	150.76	149.72	147.04	145.62	145.93
50	116.53	115.33	112.83	110.6	114.25	115.1	124.71	125.26	120.46	119.59	121.06
60	87.49	86.52	83.9	81.97	85.31	87.19	98	97.13	92.8	90.68	92.3
70	59.95	58.6	55.68	52.96	56.34	58.58	69.57	68.5	64.37	61.51	63.15
80	28.27	28.77	26.88	23.48	27.41	25.97	37.76	38.34	35.7	32.02	35.04
90	8.86	6.56	2.6	0.92	2.75	6.75	11.23	9.31	6.96	3.84	7.03
100	1.09	0.44	1.5	0	1.98	1.61	0.94	0.22	1.42	0.78	1.57
110	4.63	2.9	0.89	0.71	1.6	2.68	4.57	3.79	0.99	1.17	1.12
120	1.51	1.37	0.72	1.45	0.94	1.49	2.1	1.56	1.33	1.07	0.88
130	0.9	1.49	1.53	1.79	0.78	1.51	1.35	1.96	1.39	0.9	1.42

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Current (A)

0.400Operator

Total flux (lm) 597

Power Factor

0.99Date

2026-04-17 오후 3:06:31

Luminous Intensity Data (Continued)

Maximum (cd) : 198

Minimum (cd) : 0

G/C	330	360
0	196.32	198.07
10	194.31	192.89
20	184.7	181.55
30	168.47	164.44
40	147.85	142.18
50	123.86	116.53
60	96.76	87.49
70	67.56	59.95
80	38.45	28.27
90	11.05	8.86
100	0.68	1.09
110	3.84	4.63
120	1.26	1.51
130	1.95	0.9

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	23.9	Filename	260417 FNX2 24K-24V-C90.jdt
Lamp flux (lm)	597	Current (A)	0.400	Operator	
Total flux (lm)	597	Power Factor	0.99	Date	2026-04-17 오후 3:06:31

Luminous Flux Table

Total Lamp Lumens: 596.76

Luminaire Efficiency (lm/W): 62.25

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.72	4.72	0.79	0.79
10	36.87	41.59	6.97	6.97
20	68.58	110.17	18.46	18.46
30	90.99	201.16	33.71	33.71
40	101.27	302.43	50.68	50.68
50	99.25	401.68	67.31	67.31
60	85.37	487.05	81.61	81.62
70	63.19	550.24	92.20	92.20
80	33.98	584.22	97.89	97.90
90	7.11	591.33	99.08	99.09
100	1.10	592.43	99.27	99.27
110	2.48	594.91	99.68	99.69
120	1.24	596.14	99.89	99.90
130	0.61	596.76	99.99	100.00

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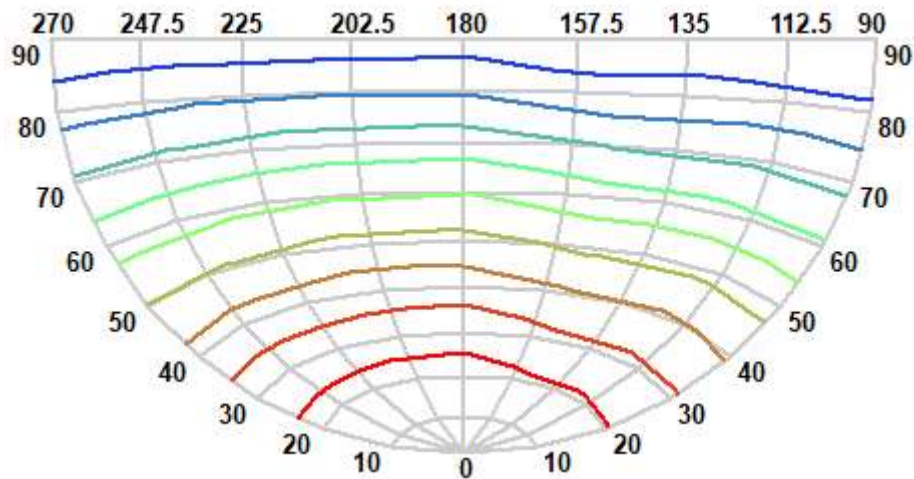
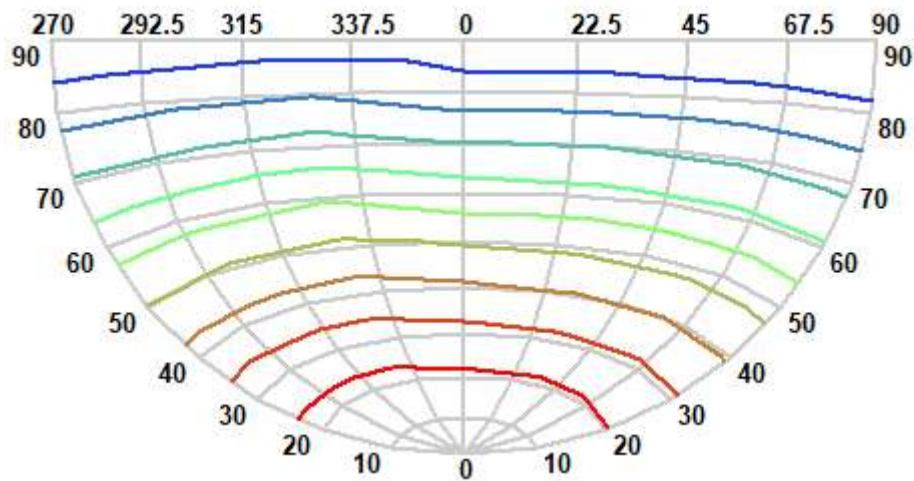
Total flux (lm) 597

Power Factor

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IsoCandela (Type C)



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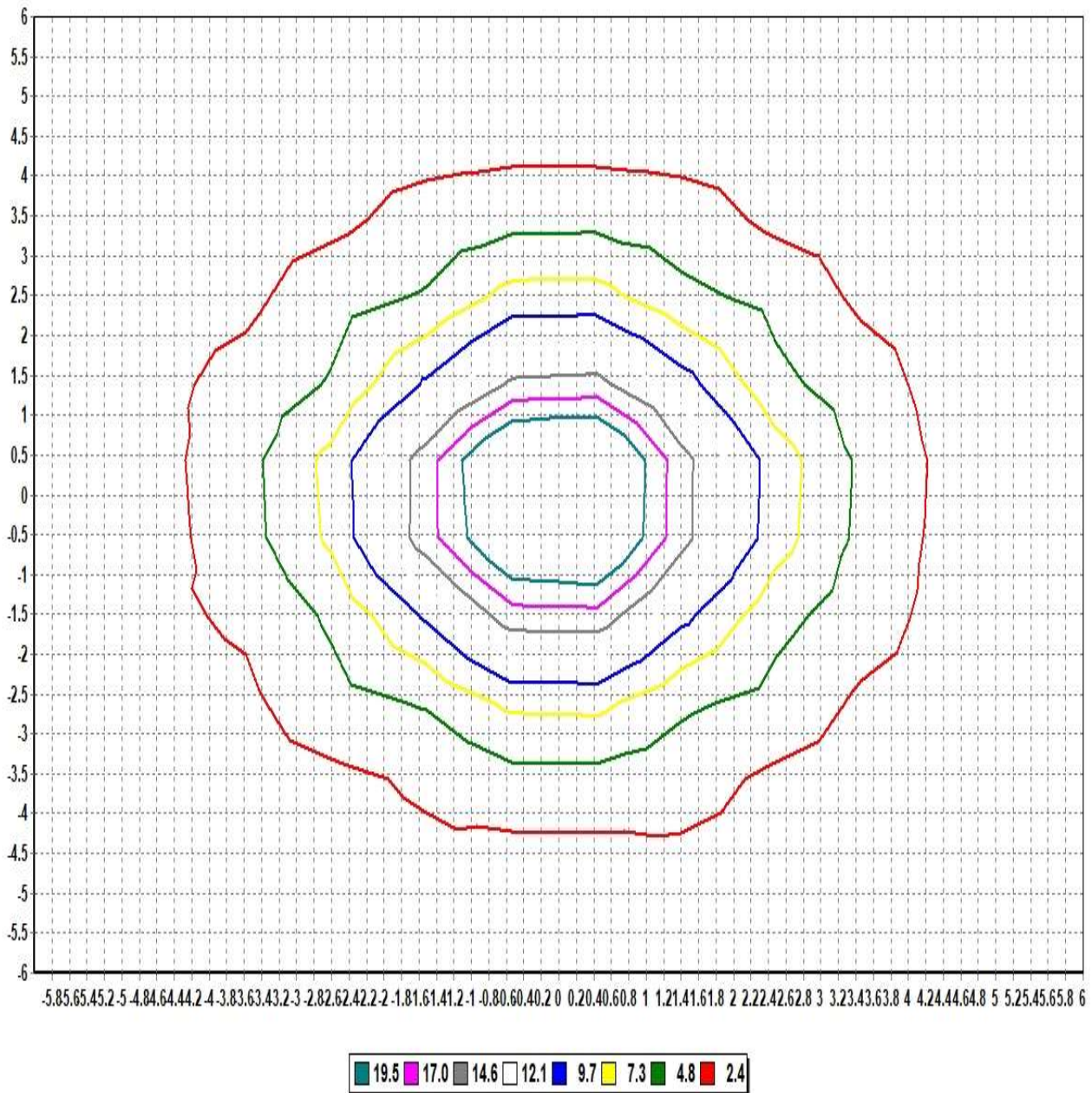
Total flux (lm) 597

Power Factor

0.99Date

2026-04-17 오후 3:06:31

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)

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Lamp flux (lm) 597

Current (A)

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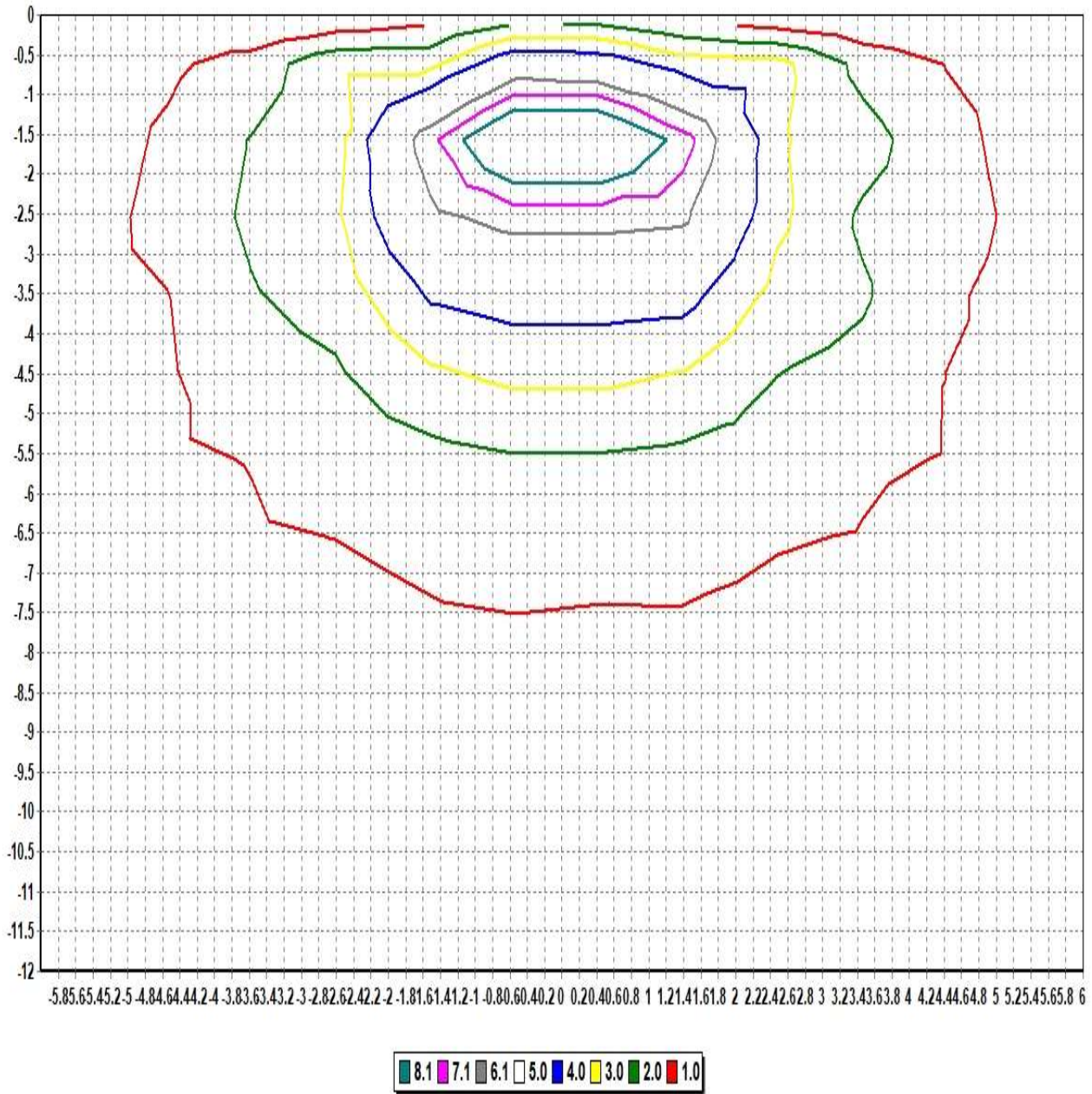
Total flux (lm) 597

Power Factor

0.99Date

2026-04-17 오후 3:06:31

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)	23.917
Lamp flux (lm)	597	Current (A)	0.40083
Total flux (lm)	597	Power Factor	0.9999

Report KH FEELUX

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

Operator

Date 2026-04-17 오후 3:06:31

Illuminance Levels (Ground)

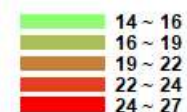
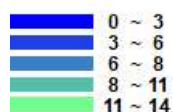
6.00	0.29	0.38	0.32	0.44	0.53	0.60	0.62	0.60	0.55	0.45	0.34	0.39	0.31
5.00	0.40	0.36	0.50	0.68	1.28	1.49	1.56	1.48	1.30	0.71	0.52	0.38	0.40
4.00	0.35	0.53	1.09	1.57	1.67	2.08	2.25	2.08	1.69	1.60	1.13	0.54	0.36
3.00	0.44	0.74	1.62	1.93	3.81	4.29	4.76	4.34	3.86	2.00	1.64	0.75	0.46
2.00	0.55	1.29	1.68	3.92	5.51	8.82	10.34	8.83	5.65	3.95	1.70	1.31	0.56
1.00	0.71	1.62	2.29	4.35	8.85	15.85	21.71	16.02	8.85	4.40	2.29	1.62	0.70
0.00	0.77	1.77	2.61	5.33	11.25	22.04	27.17	21.78	10.67	4.99	2.38	1.65	0.68
-1.00	0.67	1.59	2.28	4.74	9.44	16.66	21.97	16.41	9.21	4.63	2.28	1.59	0.67
-2.00	0.65	1.43	1.90	4.21	6.06	9.41	10.94	9.19	5.86	4.13	1.82	1.39	0.61
-3.00	0.53	0.85	1.77	2.22	4.11	4.68	5.12	4.57	4.06	2.09	1.75	0.83	0.49
-4.00	0.42	0.62	1.24	1.72	1.89	2.27	2.46	2.28	1.81	1.70	1.18	0.60	0.41
-5.00	0.45	0.45	0.59	0.80	1.41	1.60	1.69	1.61	1.37	0.77	0.57	0.40	0.44
-6.00	0.35	0.44	0.39	0.53	0.63	0.68	0.70	0.68	0.59	0.49	0.37	0.42	0.32
-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.) : 27.170

Illum. (Min.) : 0.2938

Illum. (Avg.) : 3.2019

All illuminance level values are in lux.



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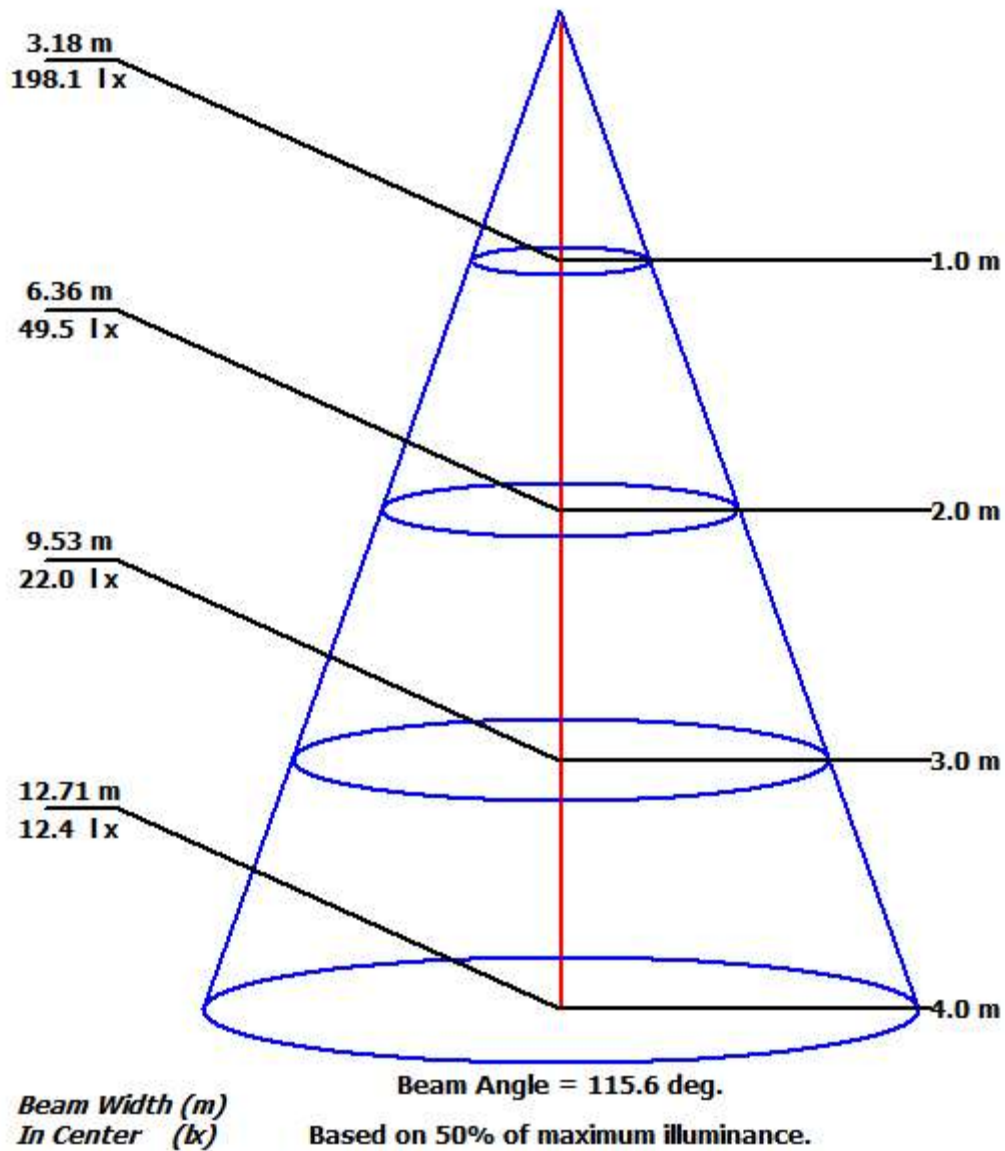
Total flux (lm) 597

Power Factor

0.99Date

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.917

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

Lamp flux (lm) 597 Current (A) 0.40083

Operator

Total flux (lm) 597 Power Factor 0.9999

Date 2026-04-17 오후 3:06:31

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