

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 : 20260416

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260416 FNX1 24K-24V-C90

5. Test Period : 260416 ~ 260416

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 김정도 Sign	Technical manager 김정도 Sign
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- * 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		0.4880 , 0.4178	
Correlated Color Temperature	K	2397	
Ra		93.56	
Power Factor		1.000	
Input Voltage	V	23.908	
Input Current	A	0.400	
Input Watt	W	9.555	
Lamp Flux	lm	609.2	
Efficient	lm/W	63.76	
luminous Intensity (Max , Center)	cd	202 , 201	
Illuminance	lx	201	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)

23.90Filename 260416 FNX1 24K-24V-C90.jdt

Lamp flux (lm) 609

Current (A)

0.399Operator

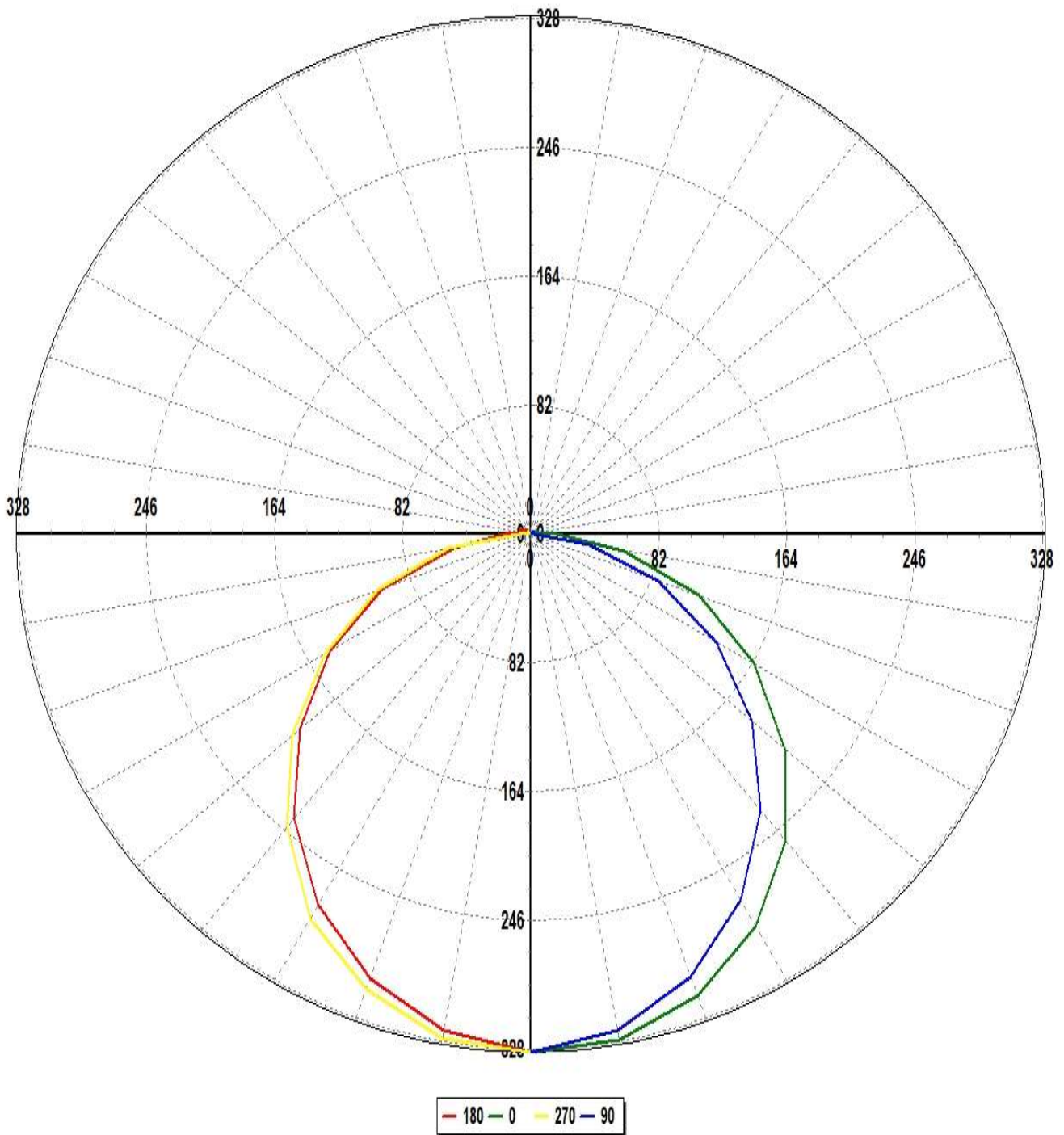
Total flux (lm) 609

Power Factor

0.999Date

2026-04-16 오후 6:08:37

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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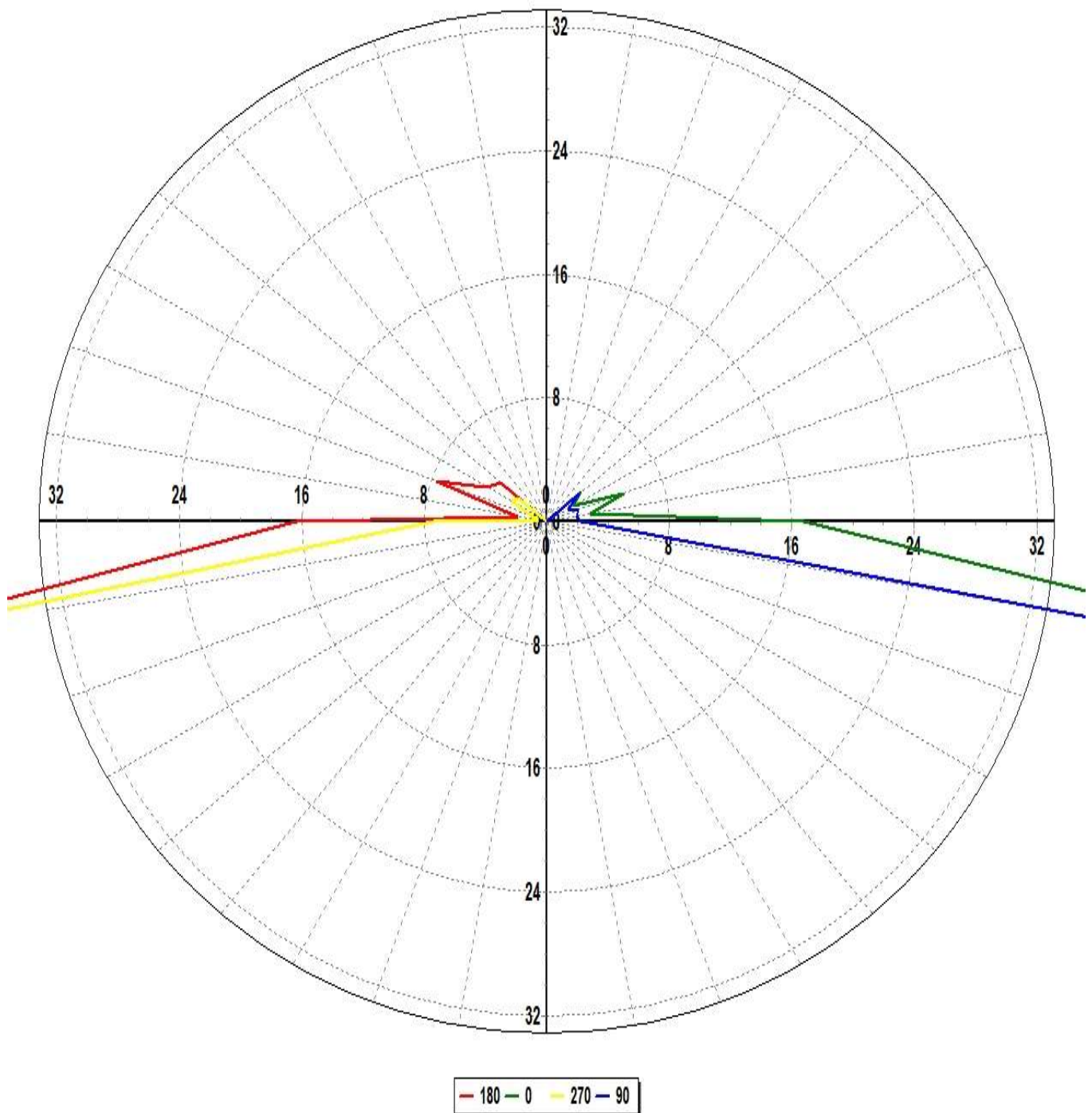
Total flux (lm) 609

Power Factor

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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)	609	Current (A)	0.399	Operator	
Total flux (lm)	609	Power Factor	0.999	Date	2026-04-16 오후 6:08:37

Luminous Intensity Data

Maximum (cd) : 202

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	200.77	201.52	200.39	200.55	199.59	199.4	200.77	201.52	200.39	200.55	199.59
10	198.68	198.5	197.55	195.35	193.47	192.38	195.47	195.85	197.5	198.07	197.95
20	190.25	189.23	187.18	182.47	180.17	178.77	183.09	184.53	186.58	187.49	189.78
30	175.7	173.32	169.6	163.95	160.44	159.16	165.97	167.65	168.18	171.79	174.7
40	155.11	152.72	146.95	139.76	137.51	135.59	143.99	144.35	146.07	148.09	153.72
50	129.3	126.84	119.3	112.5	110.39	108.94	117.4	118.43	118.81	121.47	128.32
60	100.35	98.33	91.53	83.52	81.45	80.42	90.12	90.96	90.75	92.78	99.76
70	69.93	67.24	60.98	52.8	51.92	51.18	61.7	61.12	60.69	62.96	69.52
80	37.14	36.37	31.73	23.29	23.14	20.43	30.48	33.21	32.16	32.79	40.57
90	10.22	8.33	5.01	1.37	2.79	6.59	9.93	8.34	4.77	4.48	9.54
100	1.77	2.24	1.3	1.22	1.74	0.98	1.16	0.78	1.62	0.34	2.31
110	3.28	2.37	1.16	1.34	1.19	3.12	4.68	4.04	1.15	0.7	0.57
120	1.23	1.09	1.1	0.97	1.22	1.33	2.74	1.39	1.39	1.6	1.13
130	1.78	2.16	1.64	1.69	1.77	2	2.42	1.57	1.12	1.46	1.42

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Total flux (lm)	609	Power Factor	0.999	Date	2026-04-16 오후 6:08:37

Luminous Intensity Data (Continued)

Maximum (cd) : 202

Minimum (cd) : 0

G/C	330	360
0	199.4	200.77
10	199.67	198.68
20	192.42	190.25
30	179.79	175.7
40	159.52	155.11
50	134.85	129.3
60	107.81	100.35
70	77.92	69.93
80	46.6	37.14
90	14.92	10.22
100	0.04	1.77
110	2.91	3.28
120	0.66	1.23
130	0.74	1.78

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Total flux (lm)	609	Power Factor	0.999	Date	2026-04-16 오후 6:08:37

Luminous Flux Table

Total Lamp Lumens: 609.20

Luminaire Efficiency (lm/W): 63.76

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.79	4.79	0.79	0.79
10	37.41	42.20	6.93	6.93
20	69.67	111.87	18.36	18.36
30	92.65	204.52	33.57	33.57
40	103.45	307.98	50.55	50.55
50	101.14	409.11	67.16	67.16
60	87.56	496.67	81.53	81.53
70	64.15	560.82	92.06	92.06
80	34.87	595.69	97.78	97.78
90	7.88	603.57	99.08	99.08
100	1.39	604.96	99.30	99.30
110	2.27	607.23	99.68	99.68
120	1.25	608.48	99.88	99.88
130	0.72	609.20	100.00	100.00

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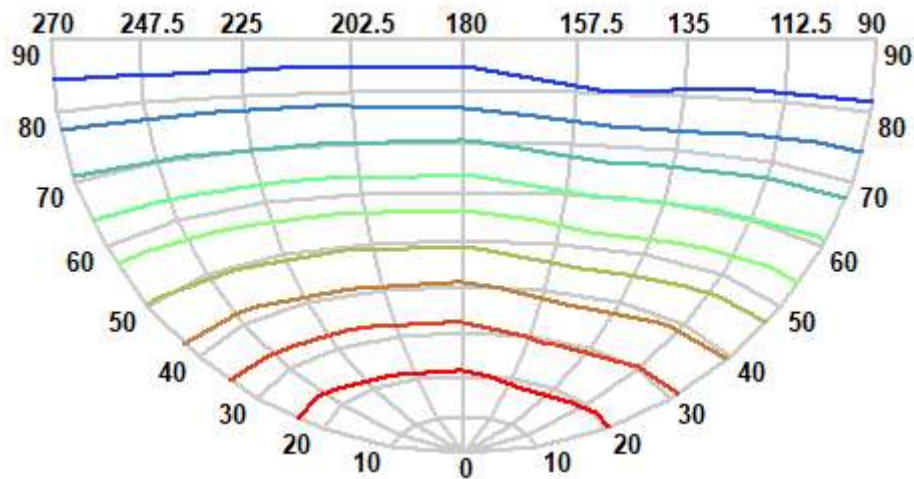
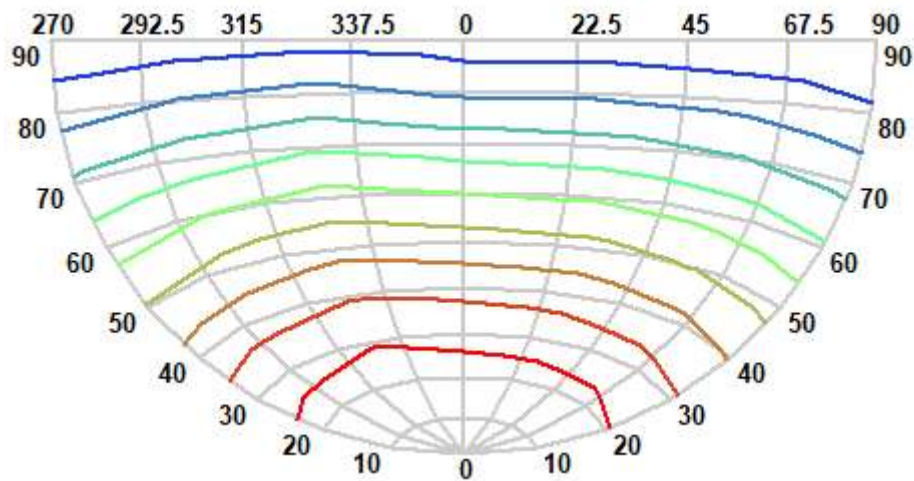
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IsoCandela (Type C)



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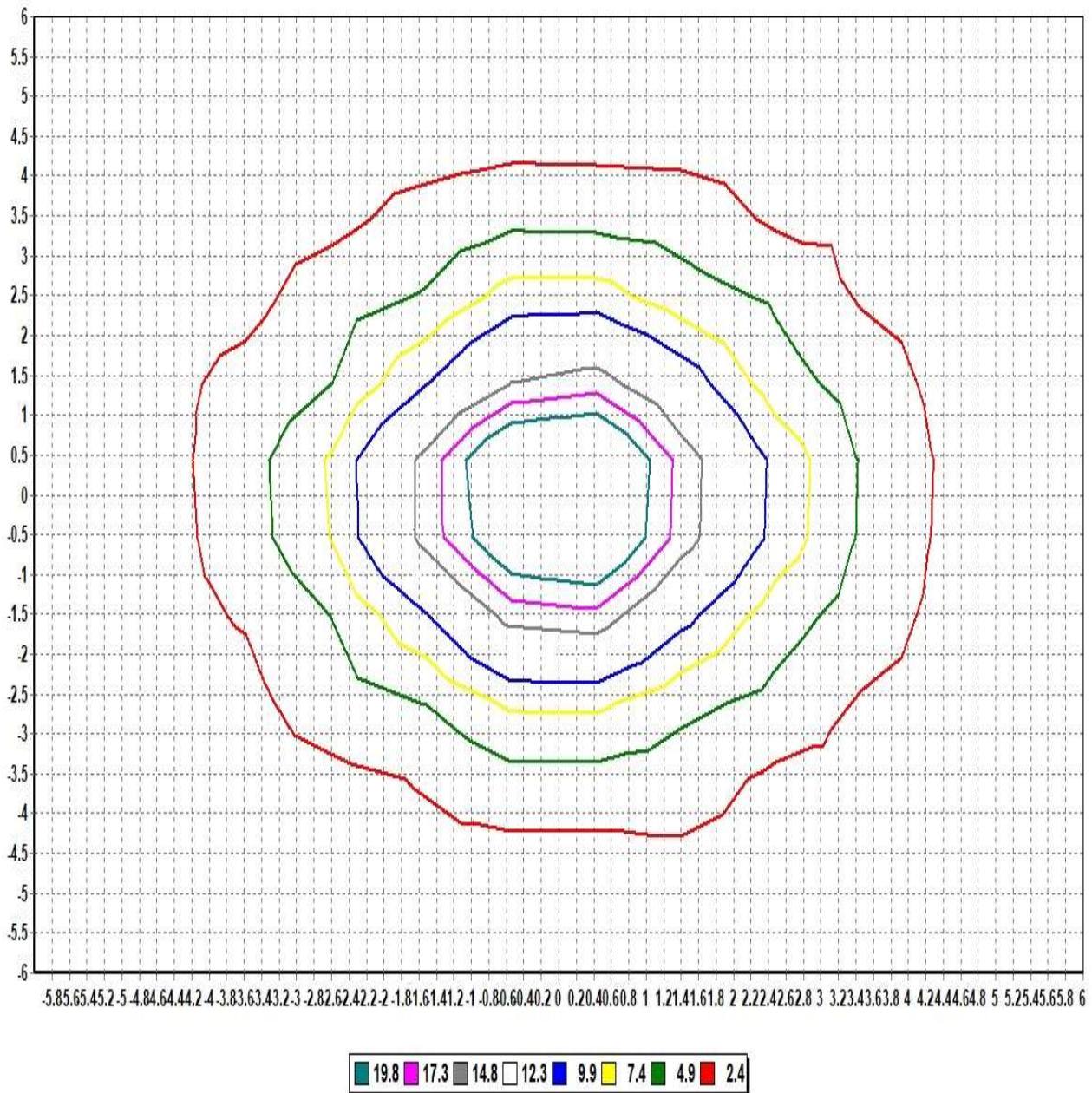
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Power Factor

0.999Date

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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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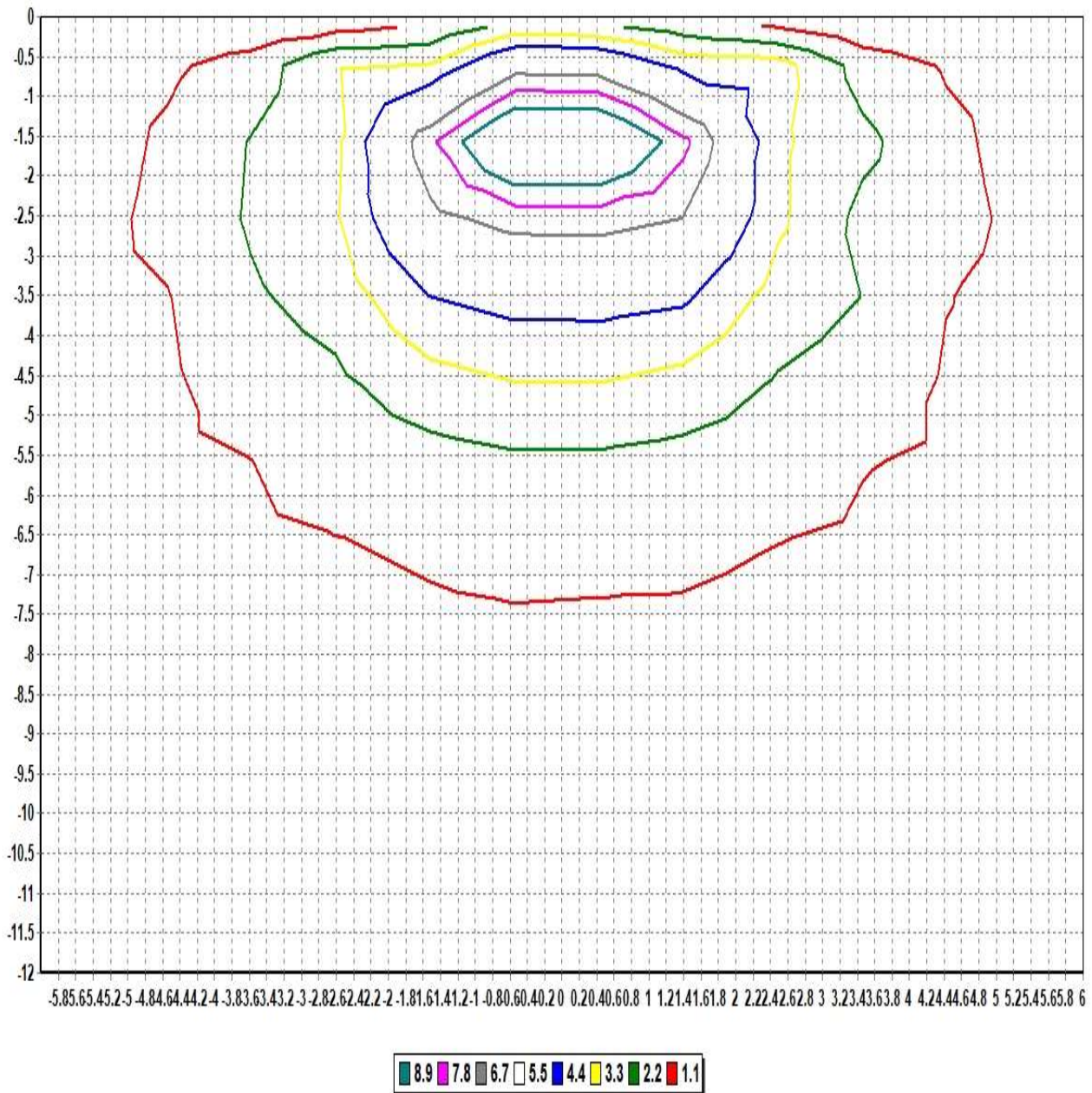
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IsoLux Diagram (Wall)



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)	23.908
Lamp flux (lm)	609	Current (A)	0.3997
Total flux (lm)	609	Power Factor	0.9999

Report KH FEELUX

Filename 260416 FNX1 24K-24V-C90.jdt

Operator

Date 2026-04-16 오후 6:08:37

Illuminance Levels (Ground)

6.00	0.29	0.38	0.32	0.41	0.51	0.65	0.62	0.62	0.62	0.52	0.37	0.43	0.35
5.00	0.37	0.34	0.49	0.69	1.25	1.56	1.59	1.53	1.42	0.77	0.58	0.44	0.46
4.00	0.31	0.48	1.08	1.58	1.61	2.19	2.29	2.17	1.91	1.71	1.26	0.63	0.42
3.00	0.41	0.67	1.54	1.90	3.87	4.23	4.84	4.70	4.11	2.26	1.83	0.86	0.52
2.00	0.50	1.24	1.60	3.76	5.48	8.69	10.54	9.58	6.21	4.33	1.93	1.46	0.65
1.00	0.64	1.52	2.13	4.17	8.66	15.90	22.05	16.98	9.64	4.85	2.56	1.78	0.80
0.00	0.70	1.66	2.43	5.04	10.79	22.07	27.54	22.44	11.55	5.52	2.69	1.83	0.78
-1.00	0.60	1.49	2.12	4.48	9.10	16.29	22.37	16.87	9.72	4.96	2.55	1.76	0.77
-2.00	0.59	1.35	1.78	4.01	5.76	9.11	11.13	9.64	6.07	4.46	1.97	1.49	0.68
-3.00	0.48	0.77	1.67	2.07	4.05	4.50	5.21	4.77	4.15	2.19	1.90	0.94	0.54
-4.00	0.37	0.56	1.16	1.68	1.78	2.28	2.51	2.27	1.93	1.74	1.23	0.68	0.46
-5.00	0.42	0.40	0.56	0.77	1.35	1.61	1.72	1.60	1.44	0.79	0.59	0.43	0.49
-6.00	0.32	0.42	0.37	0.48	0.58	0.68	0.72	0.67	0.63	0.53	0.39	0.44	0.34
-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.) : 27.541

Illum. (Min.) : 0.2884

Illum. (Avg.) : 3.2627

All illuminance level values are in lux.



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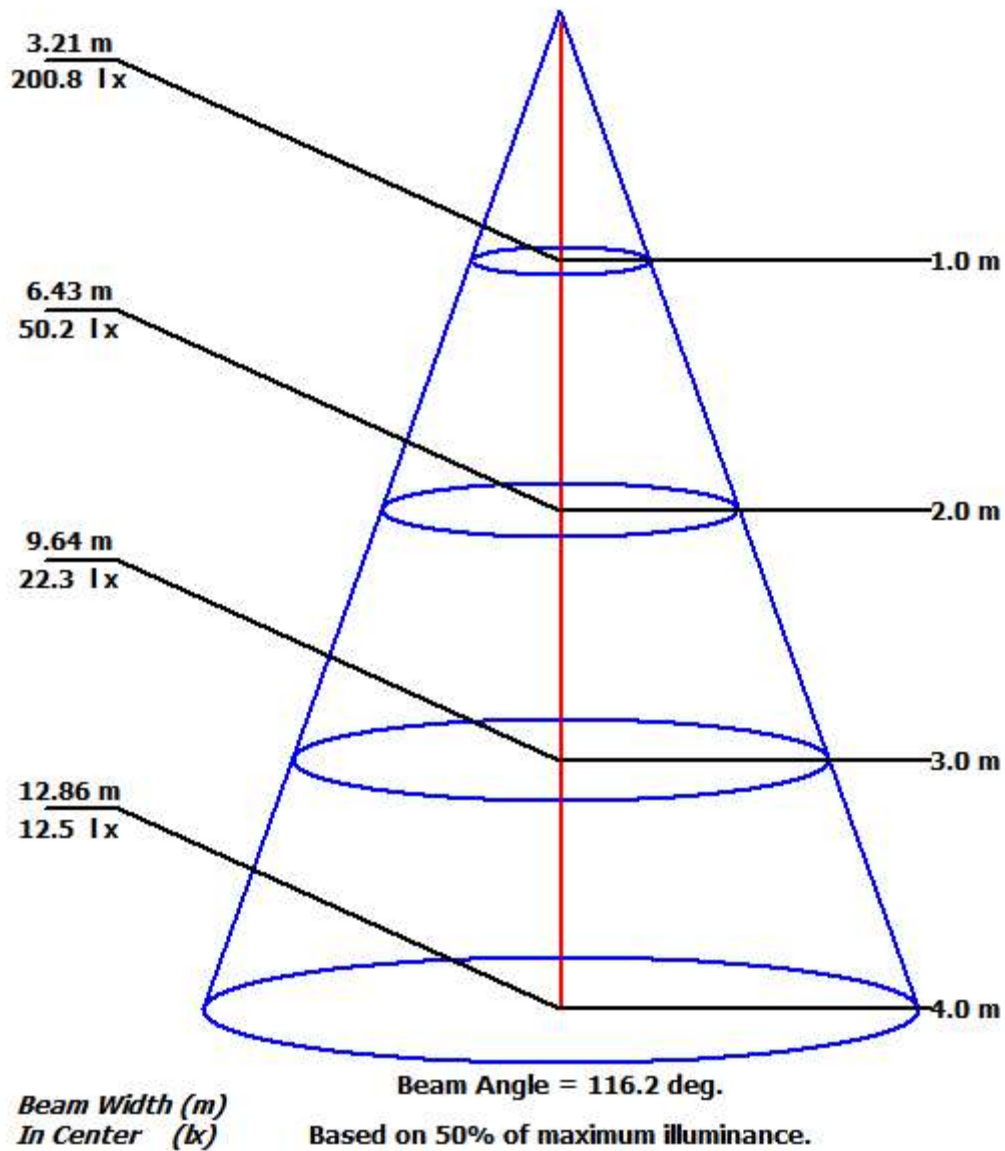
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1 Voltage (V) 23.908

Filename 260416 FNX1 24K-24V-C90.jdt

Lamp flux (lm) 609 Current (A) 0.3997

Operator

Total flux (lm) 609 Power Factor 0.9999

Date 2026-04-16 오후 6:08:37

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