

# 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 27K-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		0.4603 , 0.4186	
Correlated Color Temperature	K	2755	
Ra		94.74	
Power Factor		1.000	
Input Voltage	V	23.941	
Input Current	A	0.388	
Input Watt	W	9.293	
Lamp Flux	lm	630.2	
Efficient	lm/W	67.82	
luminous Intensity (Max , Center)	cd	209 , 209	
Illuminance	lx	209	1 m
		52	2 m
		23	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 27K-24V-C90.jdt

Lamp flux (lm) 630

Current (A)

0.388Operator

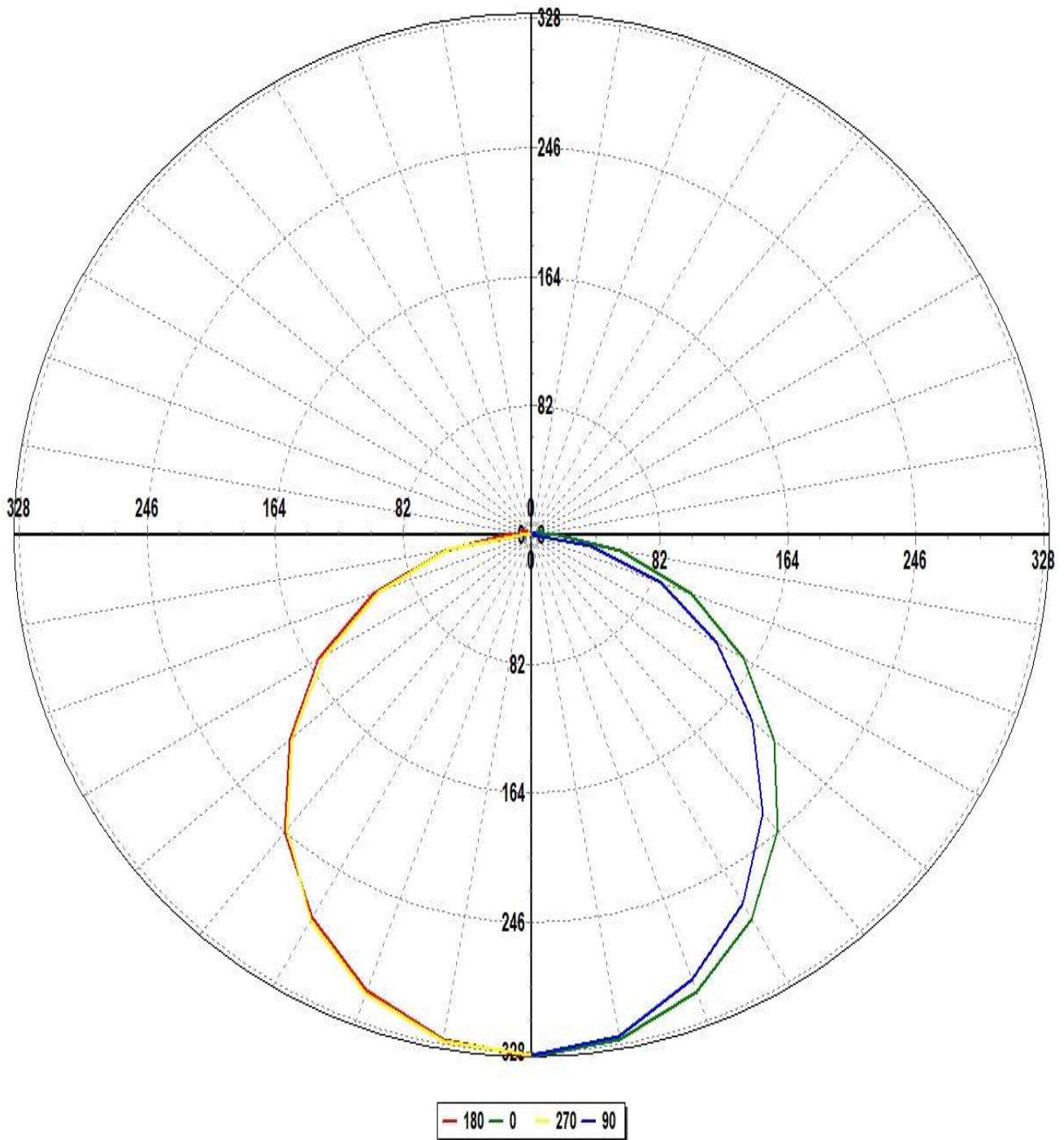
Total flux (lm) 630

Power Factor

0.99Date

2026-04-17 오후 2:16:15

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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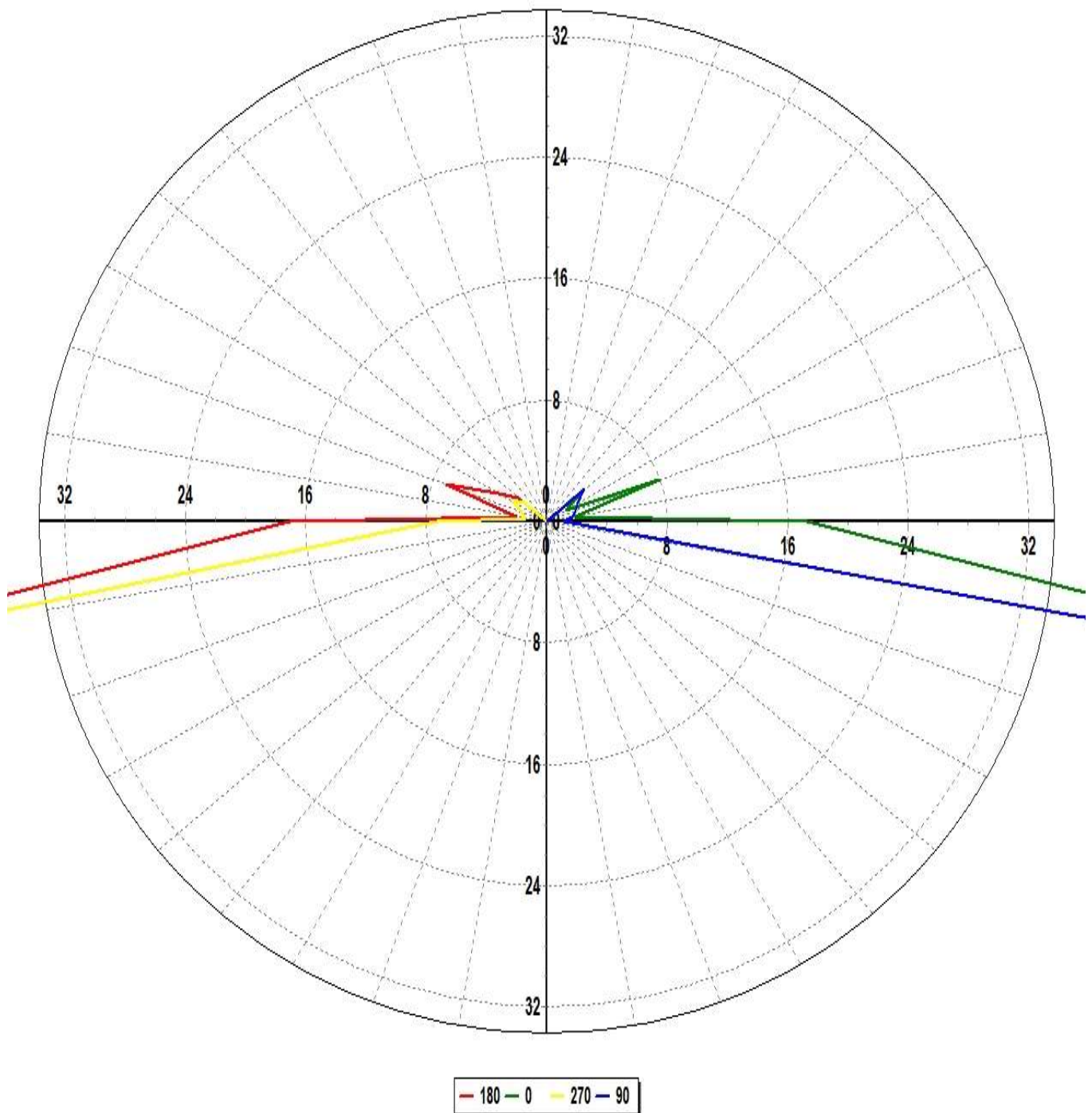
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## Luminous Intensity Distribution (Lowest 10%)



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Current (A)

0.388Operator

Total flux (lm) 630

Power Factor

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## Luminous Intensity Data

Maximum (cd) : 209

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	208.73	208.48	207.21	208.15	207.96	207.78	208.73	208.48	207.21	208.15	207.96
10	204.65	203.79	203.48	203.4	202.35	201.55	205.04	204.91	203.68	205.29	205.28
20	194.26	193.32	190.35	189.19	189.55	189.33	194.15	193.12	192.81	195.12	194.97
30	177.47	175.35	171.76	170.35	170.09	170.17	176.66	176.9	175.31	177.96	177.73
40	154.33	151.35	148.64	144.92	144.52	144.87	154.92	153.4	152.48	153.47	156.47
50	127.67	125.32	120.34	116.4	116.31	117.84	127.42	127.13	124.29	125.99	128.33
60	98.59	95.54	91.08	86.32	87.32	88.48	99.01	98.38	95.27	96.81	99.68
70	68.71	65.82	60.49	55.31	56.96	56.79	67.71	67.28	64.94	65.73	70.12
80	36.37	34.69	31.08	24.31	26.46	24.77	35.4	36.46	34.61	33.84	39.63
90	10.89	9.53	3.56	0.72	3.76	6.21	10.73	9.13	6.34	4.6	9.07
100	1.19	0.41	2.48	1.09	2.55	1.37	1.27	1.1	1.49	0.91	2.46
110	5.04	3.17	0.57	1.3	0.77	2.9	4.48	3.48	1.38	1.1	1.18
120	0.92	1.32	1.19	1.49	0.72	1.69	2.31	1.63	1.29	1.64	1.03
130	2.01	1.22	1.61	2.07	1.48	2.08	1.52	1.19	1.24	1.2	1.64

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## Luminous Intensity Data (Continued)

Maximum (cd) : 209

Minimum (cd) : 0

G/C	330	360
0	207.78	208.73
10	205.91	204.65
20	196.87	194.26
30	182.25	177.47
40	159.86	154.33
50	134.58	127.67
60	105.53	98.59
70	75.43	68.71
80	45.21	36.37
90	15.23	10.89
100	1.18	1.19
110	4.36	5.04
120	0.96	0.92
130	1.5	2.01

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## Luminous Flux Table

Total Lamp Lumens: 630.18

Luminaire Efficiency (lm/W): 67.81

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.97	4.97	0.79	0.79
10	38.82	43.79	6.95	6.95
20	72.20	116.00	18.41	18.41
30	95.92	211.92	33.63	33.63
40	106.73	318.65	50.56	50.57
50	104.29	422.94	67.11	67.11
60	90.27	513.20	81.43	81.44
70	66.49	579.69	91.99	91.99
80	36.21	615.90	97.73	97.73
90	8.19	624.09	99.03	99.03
100	1.57	625.67	99.28	99.28
110	2.55	628.22	99.69	99.69
120	1.28	629.50	99.89	99.89
130	0.68	630.18	100.00	100.00



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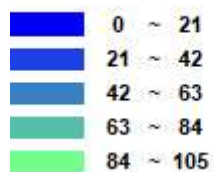
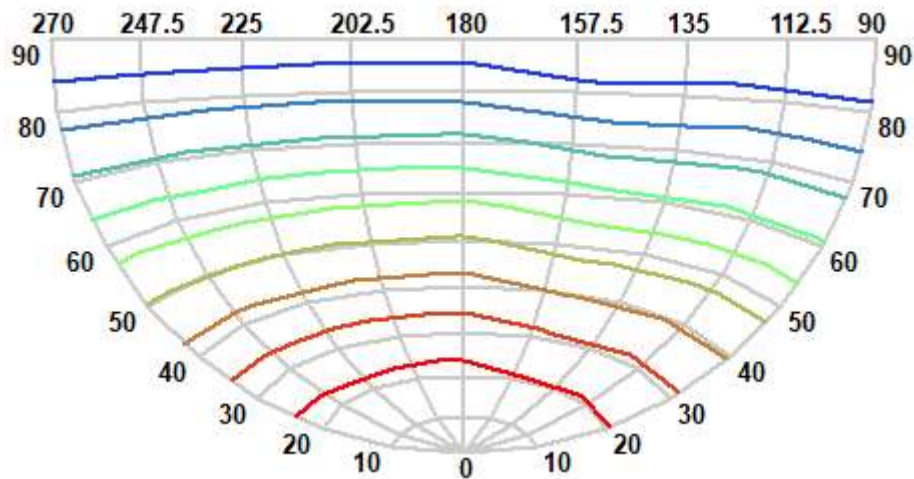
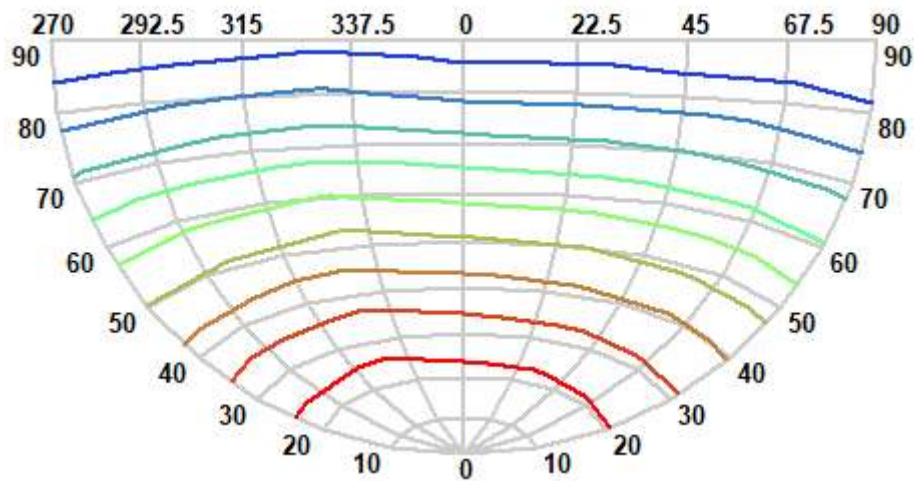
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## IsoCandela (Type C)





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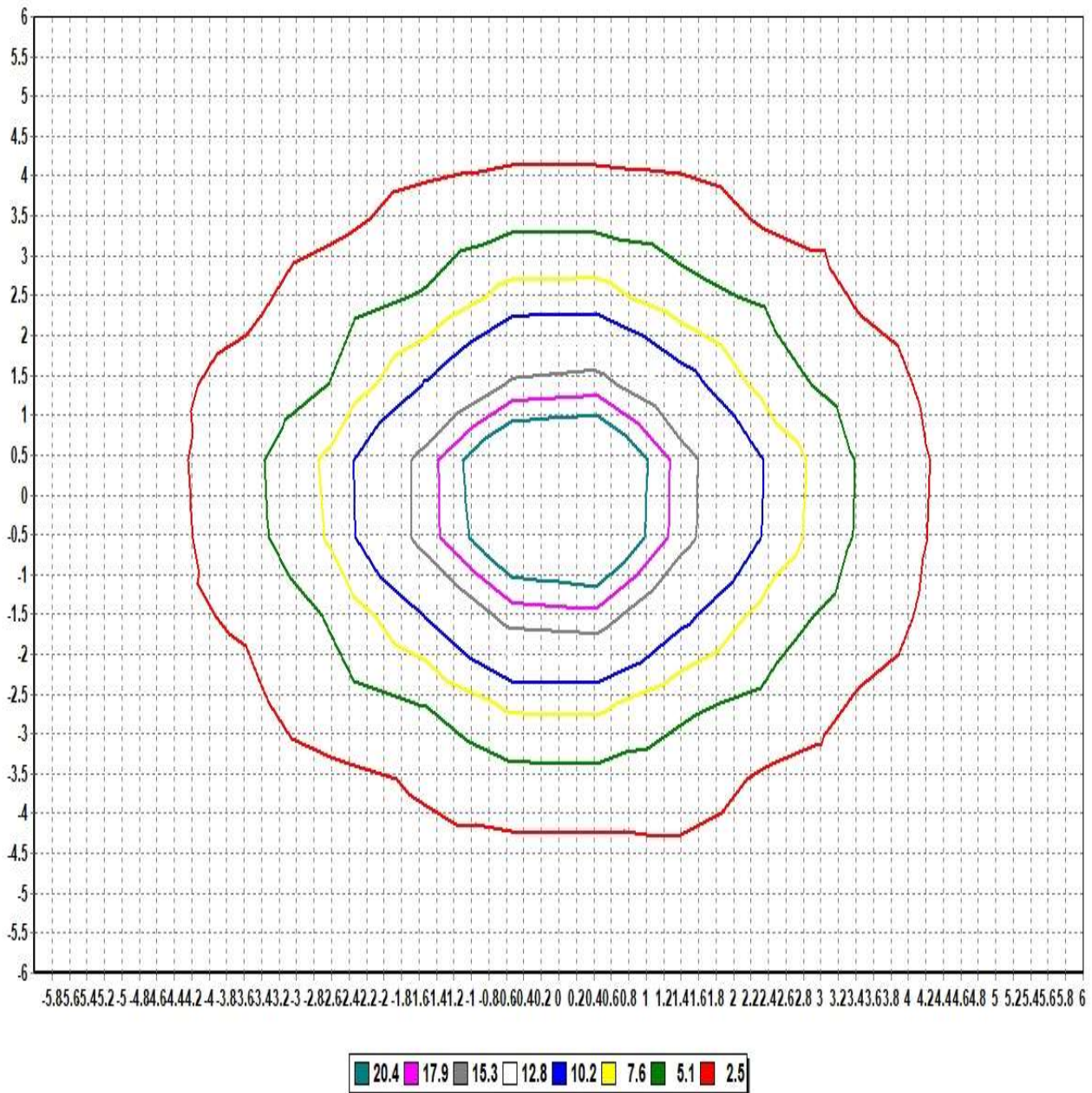
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## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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KH FEELUX

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Voltage (V)

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Lamp flux (lm) 630

Current (A)

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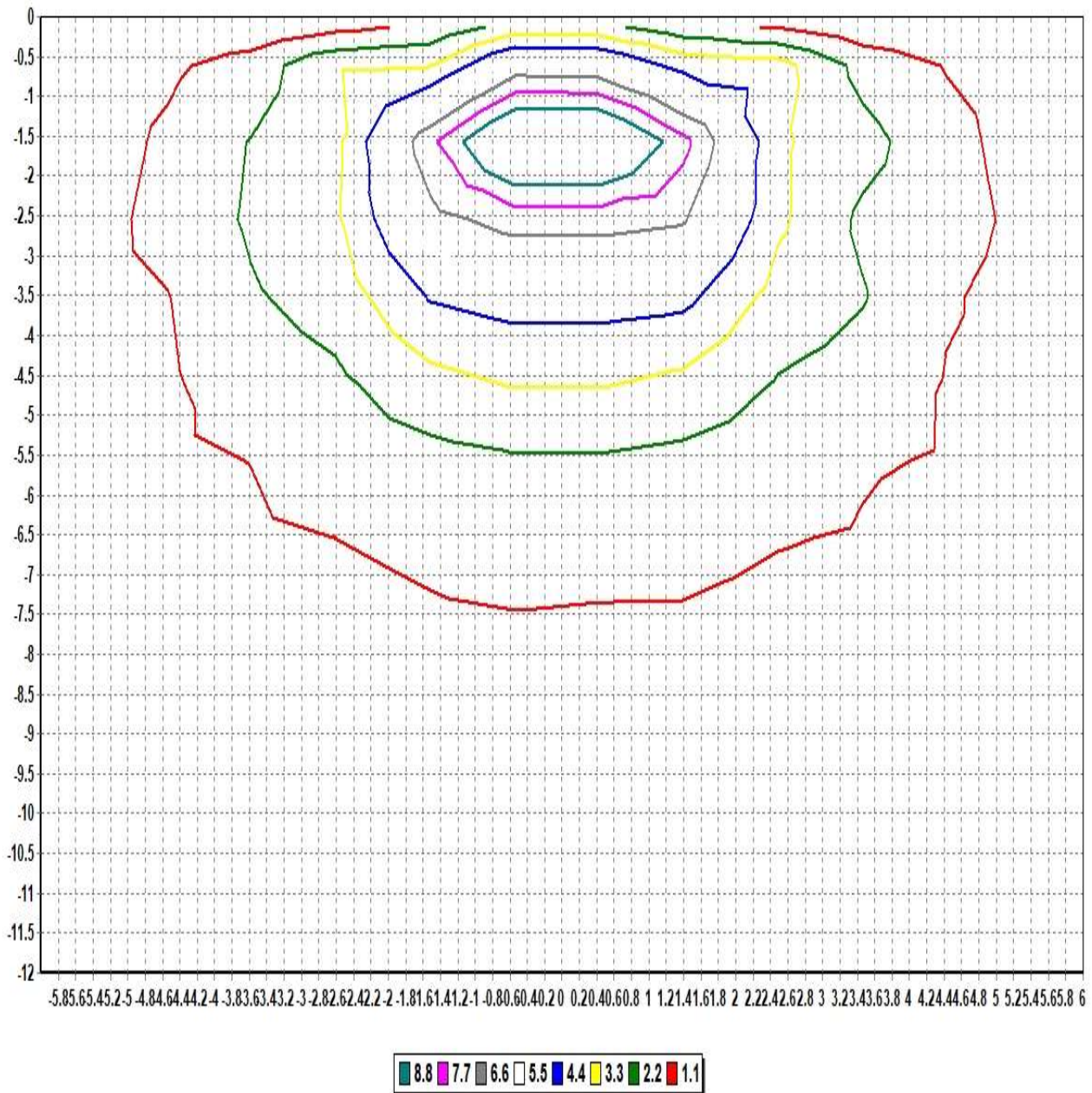
Total flux (lm) 630

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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)	23.941
Lamp flux (lm)	630	Current (A)	0.38819
Total flux (lm)	630	Power Factor	0.9999

Report

KH FEELUX

Filename 260417 FNX2 27K-24V-C90.jdt

Operator

Date

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## Illuminance Levels (Ground)

6.00	0.30	0.40	0.34	0.45	0.55	0.65	0.65	0.63	0.61	0.51	0.37	0.43	0.34
5.00	0.41	0.37	0.52	0.72	1.31	1.58	1.64	1.57	1.41	0.77	0.57	0.44	0.45
4.00	0.35	0.53	1.13	1.64	1.71	2.22	2.36	2.21	1.86	1.72	1.24	0.61	0.41
3.00	0.45	0.73	1.66	2.00	4.01	4.42	5.01	4.68	4.14	2.22	1.80	0.85	0.51
2.00	0.55	1.32	1.72	4.02	5.72	9.12	10.94	9.52	6.15	4.30	1.88	1.43	0.63
1.00	0.70	1.66	2.33	4.44	9.12	16.66	22.96	17.21	9.56	4.79	2.52	1.77	0.78
0.00	0.77	1.81	2.65	5.46	11.56	23.15	28.63	23.11	11.56	5.46	2.65	1.81	0.77
-1.00	0.67	1.62	2.32	4.83	9.68	17.24	23.18	17.34	9.88	4.96	2.51	1.75	0.76
-2.00	0.64	1.45	1.93	4.31	6.19	9.66	11.53	9.83	6.20	4.47	1.96	1.49	0.68
-3.00	0.52	0.84	1.81	2.25	4.25	4.78	5.40	4.84	4.29	2.24	1.89	0.91	0.55
-4.00	0.41	0.62	1.25	1.77	1.92	2.38	2.61	2.38	1.94	1.79	1.25	0.66	0.45
-5.00	0.46	0.44	0.60	0.81	1.44	1.68	1.78	1.67	1.46	0.82	0.61	0.44	0.48
-6.00	0.35	0.45	0.40	0.52	0.63	0.71	0.75	0.71	0.65	0.54	0.40	0.45	0.35
-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.) : 28.633

Illum. (Min.) : 0.3044

Illum. (Avg.) : 3.3746

All illuminance level values are in lux.





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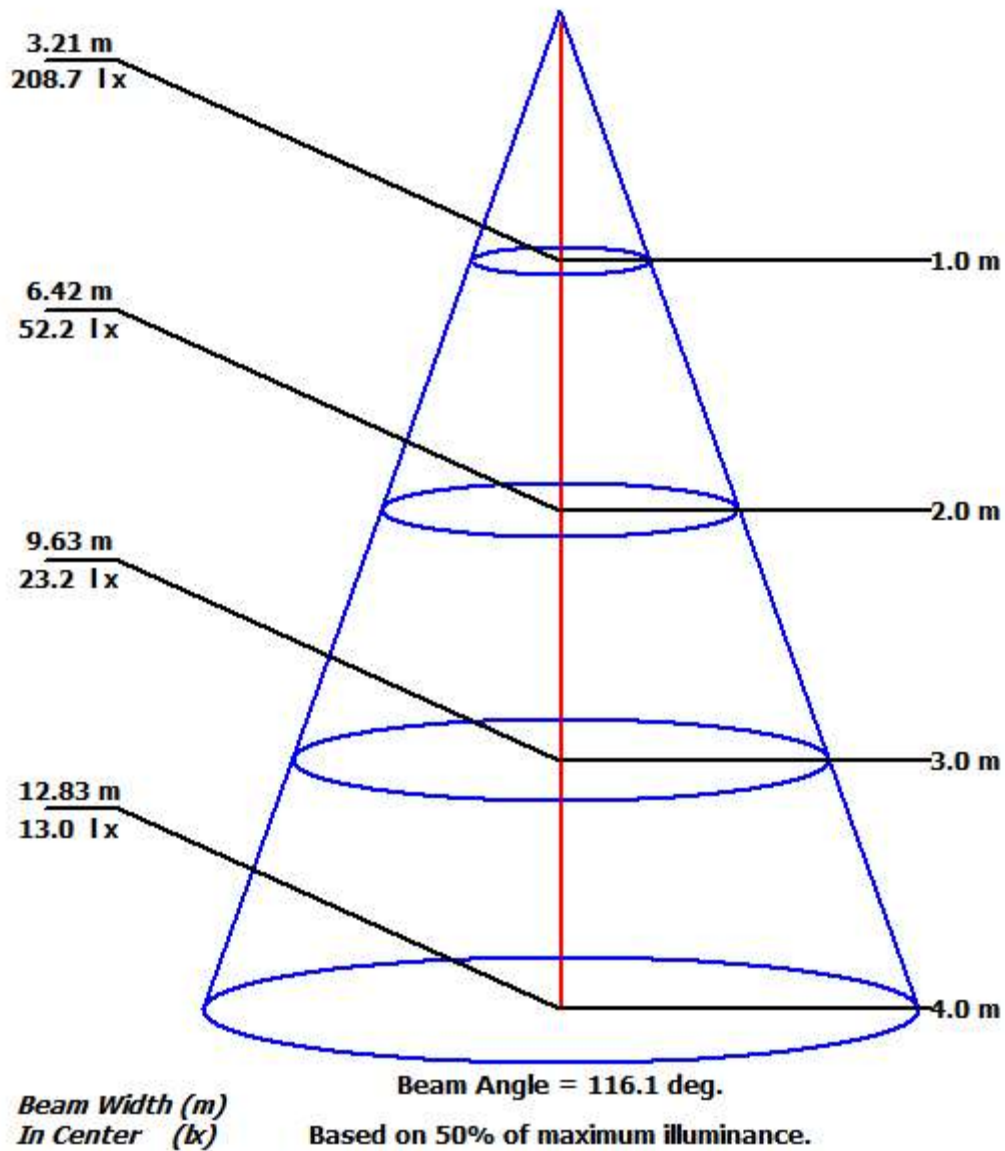
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## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1 Voltage (V) 23.941

Filename 260417 FNX2 27K-24V-C90.jdt

Lamp flux (lm) 630 Current (A) 0.38819

Operator

Total flux (lm) 630 Power Factor 0.9999

Date 2026-04-17 오후 2:16:15

## 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