

# 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 21K-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		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 reproduced, 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		0.5099 , 0.4149	
Correlated Color Temperature	K	2154	
Ra		91.5	
Power Factor		1.000	
Input Voltage	V	23.941	
Input Current	A	0.405	
Input Watt	W	9.687	
Lamp Flux	lm	601.8	
Efficient	lm/W	62.13	
luminous Intensity (Max , Center)	cd	198 , 198	
Illuminance	lx	198	1 m
		49	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 260416 FNX1 21K-24V-C90.jdt

Lamp flux (lm) 602

Current (A)

0.404Operator

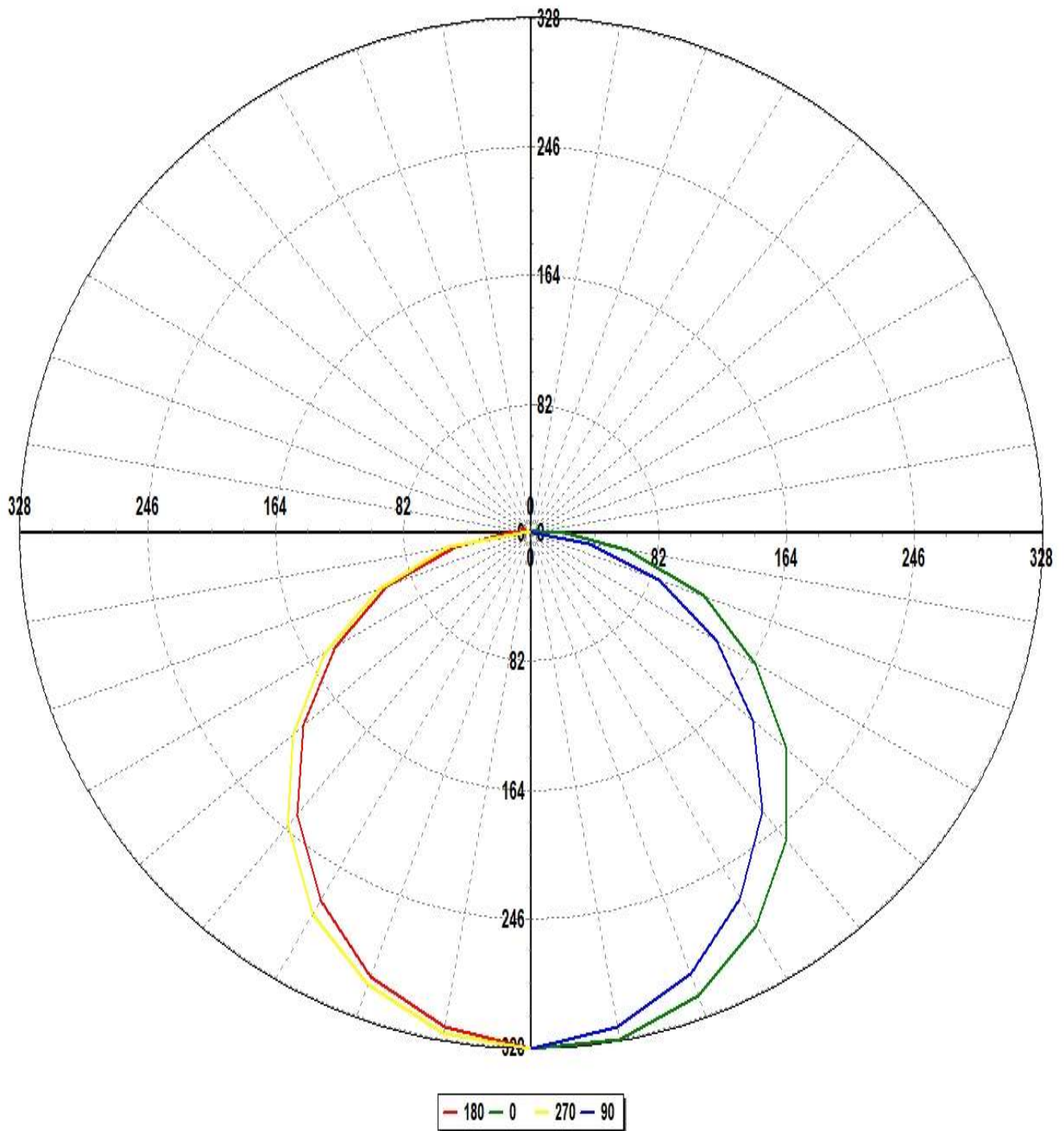
Total flux (lm) 602

Power Factor

Date

2026-04-16 오후 4:35:44

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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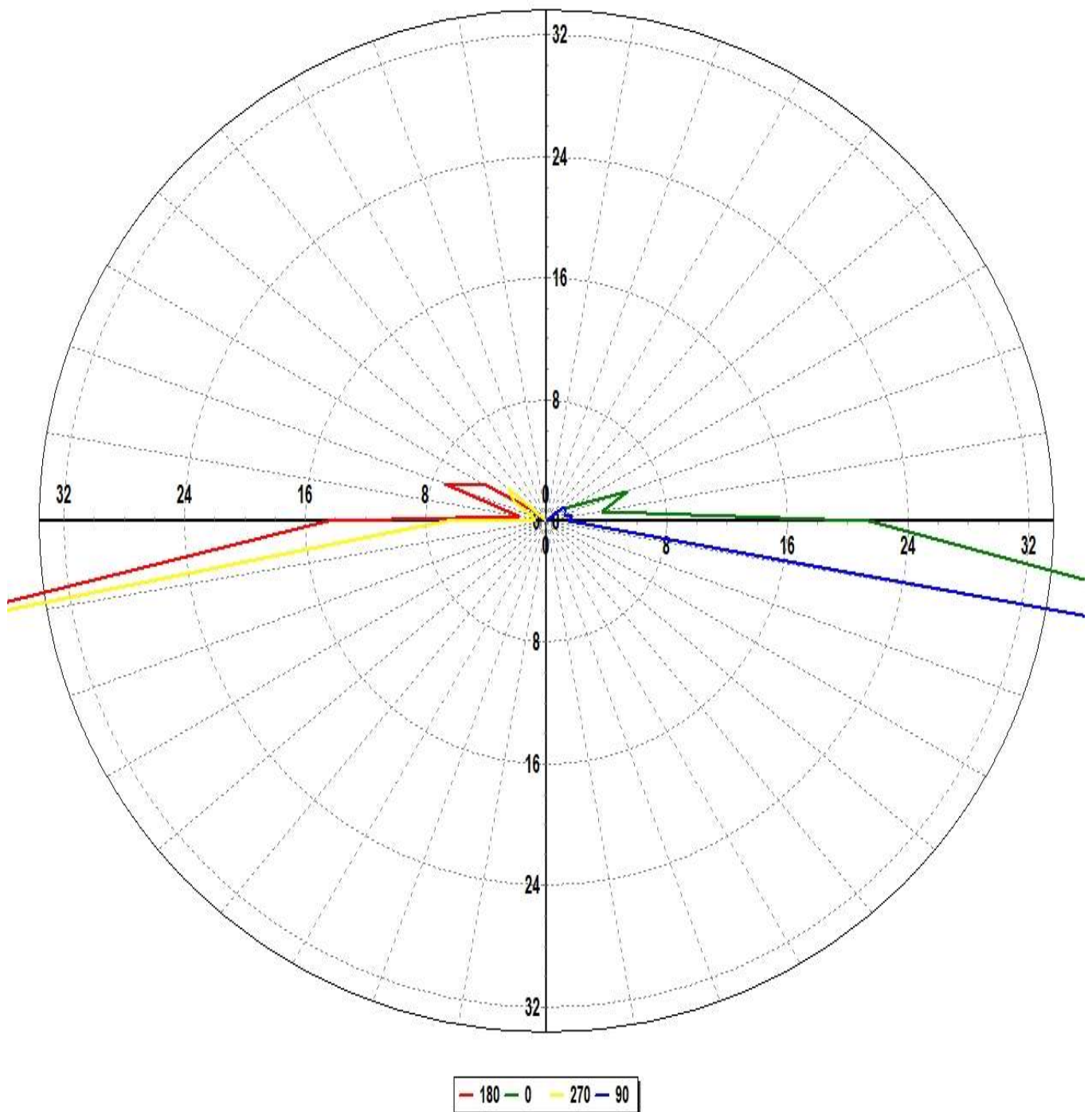
Total flux (lm) 602

Power Factor

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## Luminous Intensity Distribution (Lowest 10%)



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0.404Operator

Total flux (lm) 602

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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	197.87	198.33	198.28	197.71	198.06	197.05	197.87	198.33	198.28	197.71	198.06
10	197.18	196.47	193.91	192.7	190.8	189.98	192.47	193.78	193.25	195.1	196.21
20	189	187.3	183.61	180.15	178.29	175.63	181.04	182.14	183.87	184.52	187.65
30	173.87	172.27	167.1	161.68	159.14	157.13	162.62	163.44	165.57	168.68	173.12
40	153.77	150.78	145.28	139.14	135.71	133.07	140.58	141.99	142.99	146.59	152.57
50	129.03	125.38	119.1	111.91	109.08	106.59	114.78	116.07	117.66	120.21	127.05
60	100.36	96.52	90.76	82.84	80.17	78.46	87.57	88.68	89.32	92.1	99.5
70	70.99	67.74	60.66	52.66	50.98	50.07	59.16	60.12	60	62.32	69.44
80	37.98	36.58	30.9	22.78	22.65	19.2	29.78	31.52	30.52	32.56	40.35
90	12.87	9.62	3.54	0.89	3.06	5.6	8.69	7.35	4.95	3.95	10.08
100	2.26	2.63	2.23	1.04	2.1	2.1	1.11	0.57	1.69	0.46	1.72
110	3.44	1.94	1.44	0.77	1.11	2.76	4.33	4.02	1.15	0.6	0.78
120	1.06	1.2	1.39	0.92	1.28	1.11	2.77	0.64	1.66	1.46	0.91
130	0.78	1.32	1.66	0.89	1.16	1.69	0.71	0.83	0.82	2	0.79

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0.404Operator

Total flux (lm) 602

Power Factor

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## Luminous Intensity Data (Continued)

Maximum (cd) : 198

Minimum (cd) : 0

G/C	330	360
0	197.05	197.87
10	197.98	197.18
20	190.66	189
30	177.39	173.87
40	158.51	153.77
50	133.54	129.03
60	107.2	100.36
70	77.68	70.99
80	46.55	37.98
90	15.77	12.87
100	0.82	2.26
110	3.03	3.44
120	1.86	1.06
130	1.56	0.78

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## Luminous Flux Table

Total Lamp Lumens: 601.84

Luminaire Efficiency (lm/W): 62.13

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.73	4.73	0.79	0.79
10	36.93	41.66	6.92	6.92
20	68.80	110.45	18.35	18.35
30	91.36	201.81	33.53	33.53
40	102.14	303.95	50.51	50.50
50	100.01	403.96	67.13	67.12
60	86.43	490.39	81.49	81.48
70	63.62	554.01	92.06	92.05
80	34.28	588.29	97.76	97.75
90	7.88	596.18	99.07	99.06
100	1.68	597.86	99.35	99.34
110	2.18	600.04	99.71	99.70
120	1.28	601.32	99.92	99.91
130	0.51	601.84	100.01	100.00

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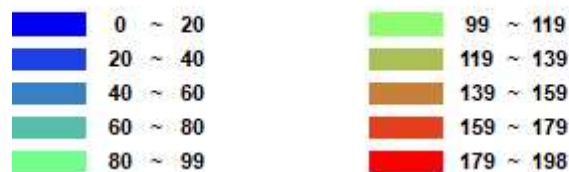
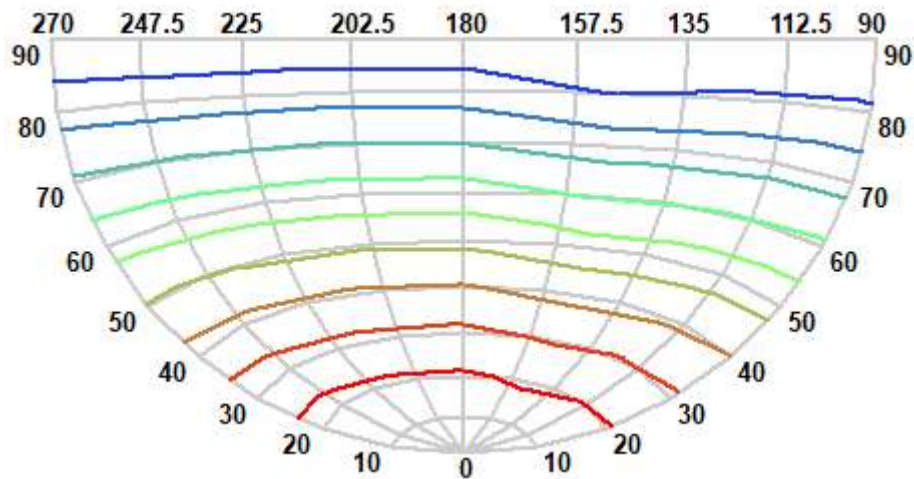
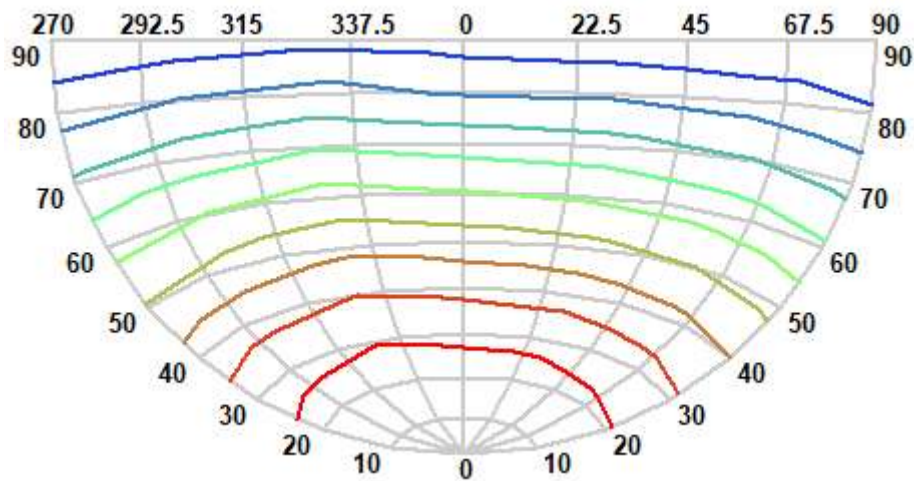
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## IsoCandela (Type C)





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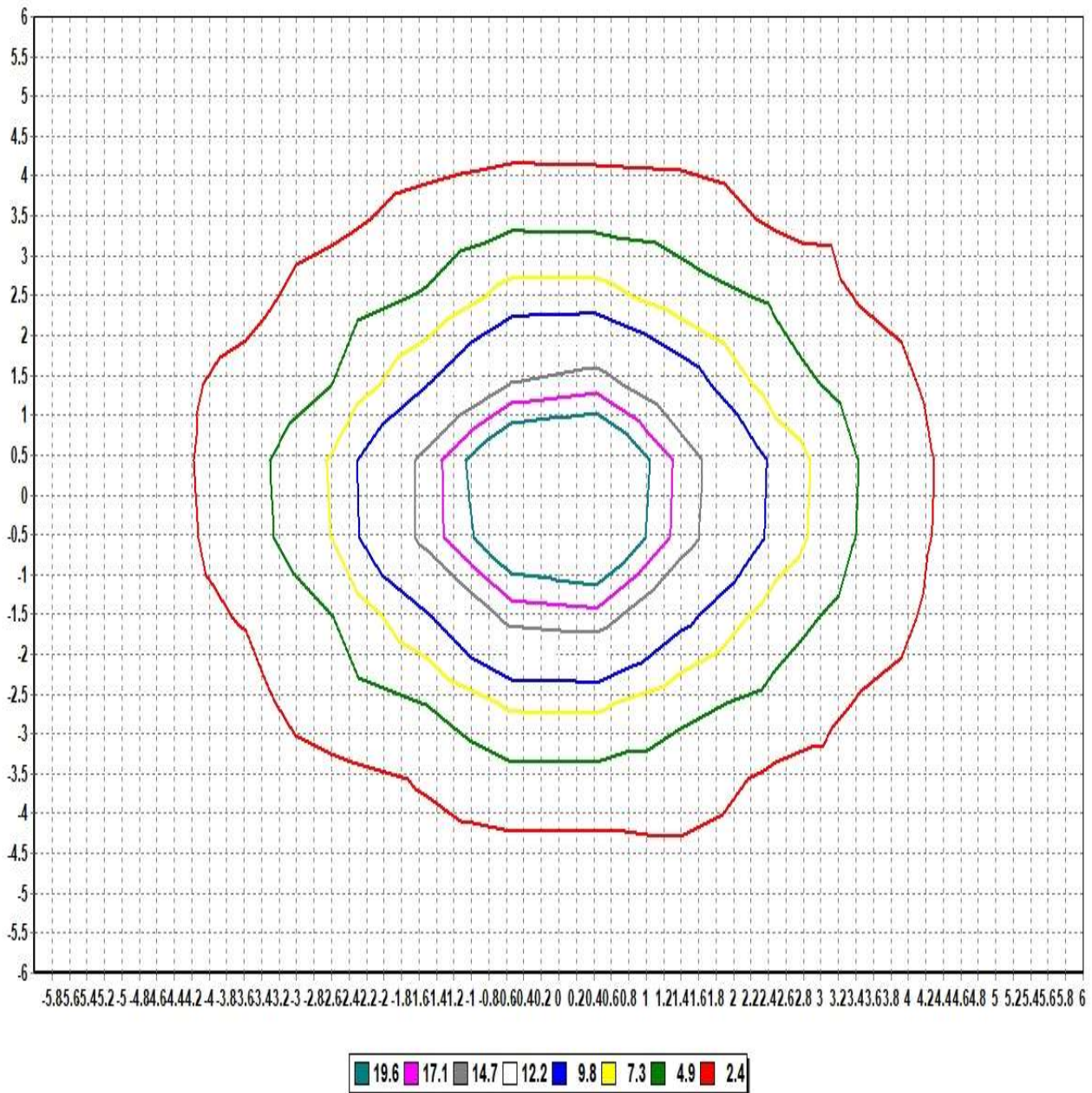
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## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

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Lamp flux (lm) 602

Current (A)

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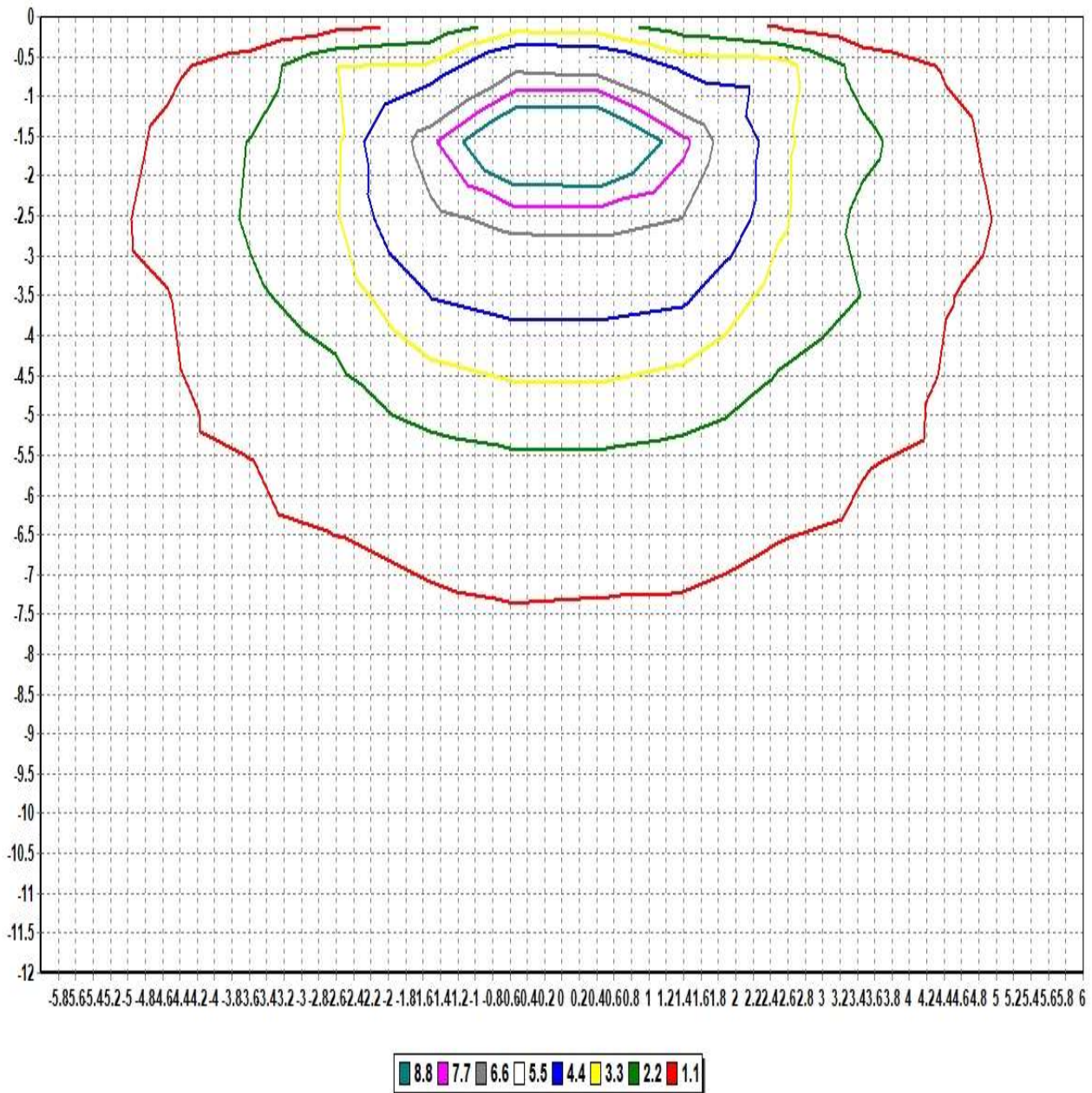
Total flux (lm) 602

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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) 602 Current (A) 0.40461

Total flux (lm) 602 Power Factor 1

Report

KH FEELUX

Filename 260416 FNX1 21K-24V-C90.jdt

Operator

Date 2026-04-16 오후 4:35:44

## Illuminance Levels (Ground)

6.00	0.29	0.38	0.32	0.41	0.51	0.64	0.62	0.61	0.62	0.52	0.37	0.43	0.35
5.00	0.37	0.34	0.49	0.68	1.24	1.55	1.58	1.53	1.41	0.77	0.57	0.45	0.46
4.00	0.31	0.47	1.07	1.57	1.59	2.17	2.27	2.16	1.88	1.71	1.25	0.63	0.43
3.00	0.40	0.65	1.51	1.88	3.84	4.19	4.82	4.67	4.07	2.24	1.82	0.87	0.53
2.00	0.50	1.22	1.58	3.69	5.44	8.58	10.46	9.46	6.16	4.30	1.90	1.44	0.65
1.00	0.62	1.49	2.08	4.11	8.54	15.72	21.75	16.84	9.52	4.81	2.54	1.77	0.80
0.00	0.67	1.62	2.37	4.92	10.55	21.73	27.14	22.27	11.44	5.50	2.69	1.83	0.79
-1.00	0.59	1.46	2.07	4.39	8.94	15.96	22.03	16.64	9.65	4.91	2.54	1.76	0.78
-2.00	0.57	1.32	1.74	3.92	5.64	8.96	10.98	9.57	6.01	4.43	1.96	1.48	0.68
-3.00	0.47	0.74	1.63	2.01	3.98	4.43	5.15	4.72	4.11	2.18	1.88	0.93	0.54
-4.00	0.36	0.54	1.13	1.66	1.74	2.25	2.48	2.25	1.93	1.72	1.22	0.67	0.46
-5.00	0.41	0.39	0.55	0.76	1.32	1.59	1.70	1.58	1.43	0.78	0.59	0.43	0.49
-6.00	0.31	0.41	0.36	0.47	0.57	0.67	0.71	0.66	0.63	0.53	0.38	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.) : 27.143

Illum. (Min.) : 0.2850

Illum. (Avg.) : 3.2225

All illuminance level values are in lux.





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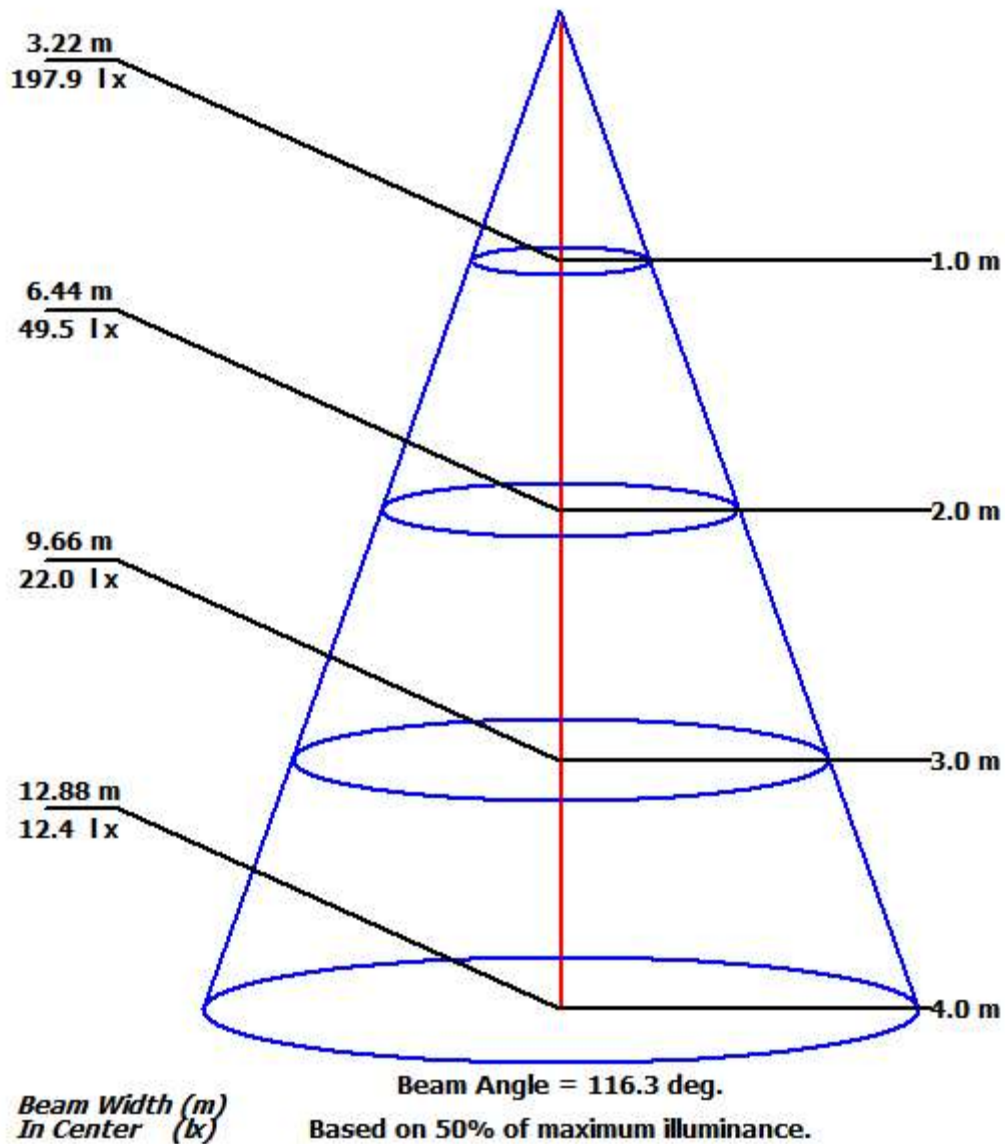
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## Illuminance Cone Diagram



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Lamp

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Lamp flux (lm) 602 Current (A) 0.40461

Operator

Total flux (lm) 602 Power Factor 1

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## 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