

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 21K-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		0.5030 , 0.4118	
Correlated Color Temperature	K	2196	
Ra		92.46	
Power Factor		1.000	
Input Voltage	V	23.926	
Input Current	A	0.396	
Input Watt	W	9.47	
Lamp Flux	lm	565.3	
Efficient	lm/W	59.70	
luminous Intensity (Max , Center)	cd	187 , 187	
Illuminance	lx	187	1 m
		47	2 m
		21	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 21K-24V-C90.jdt

Lamp flux (lm) 565

Current (A)

0.395Operator

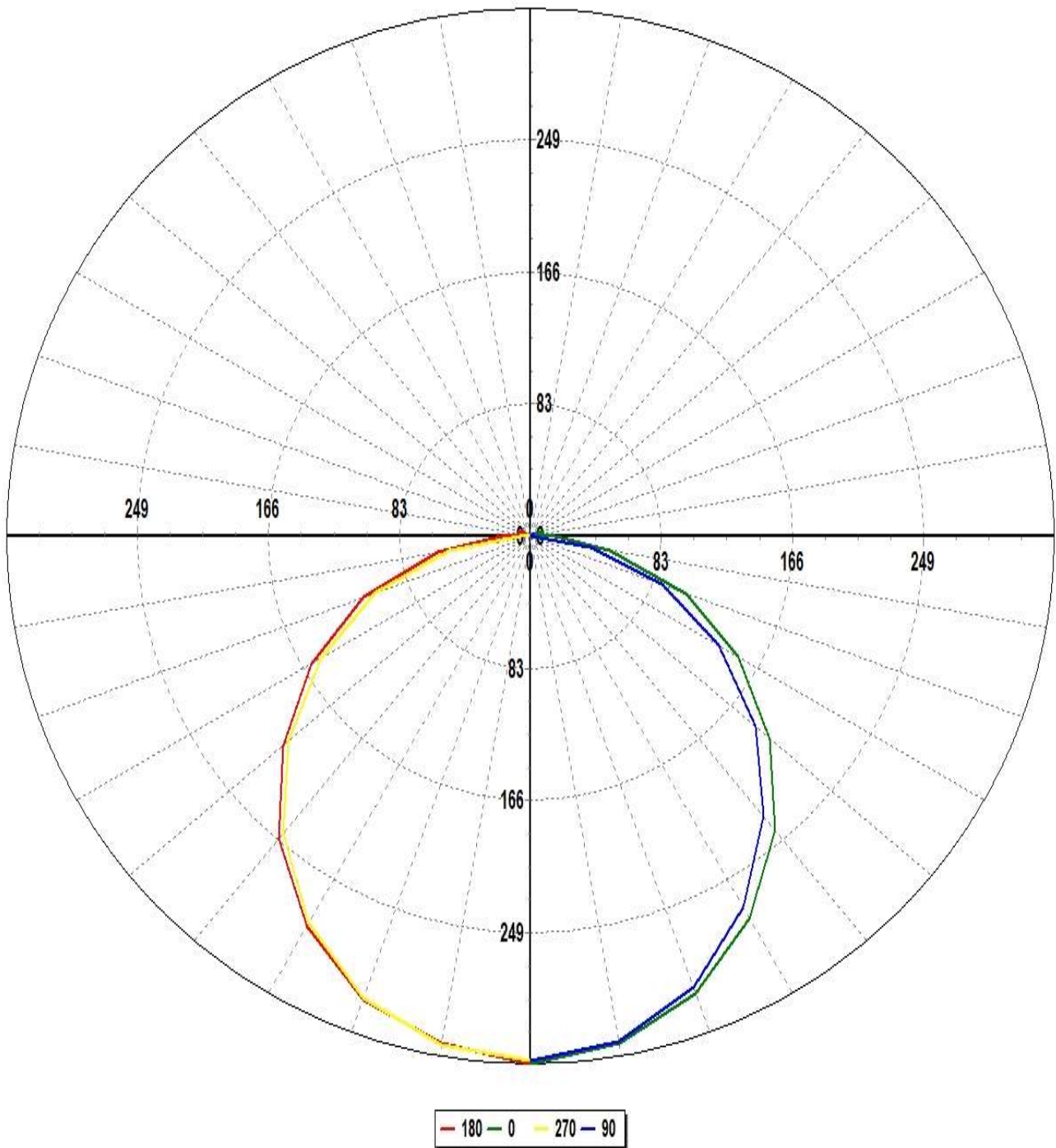
Total flux (lm) 565

Power Factor

0.99Date

2026-04-17 오후 1:56:57

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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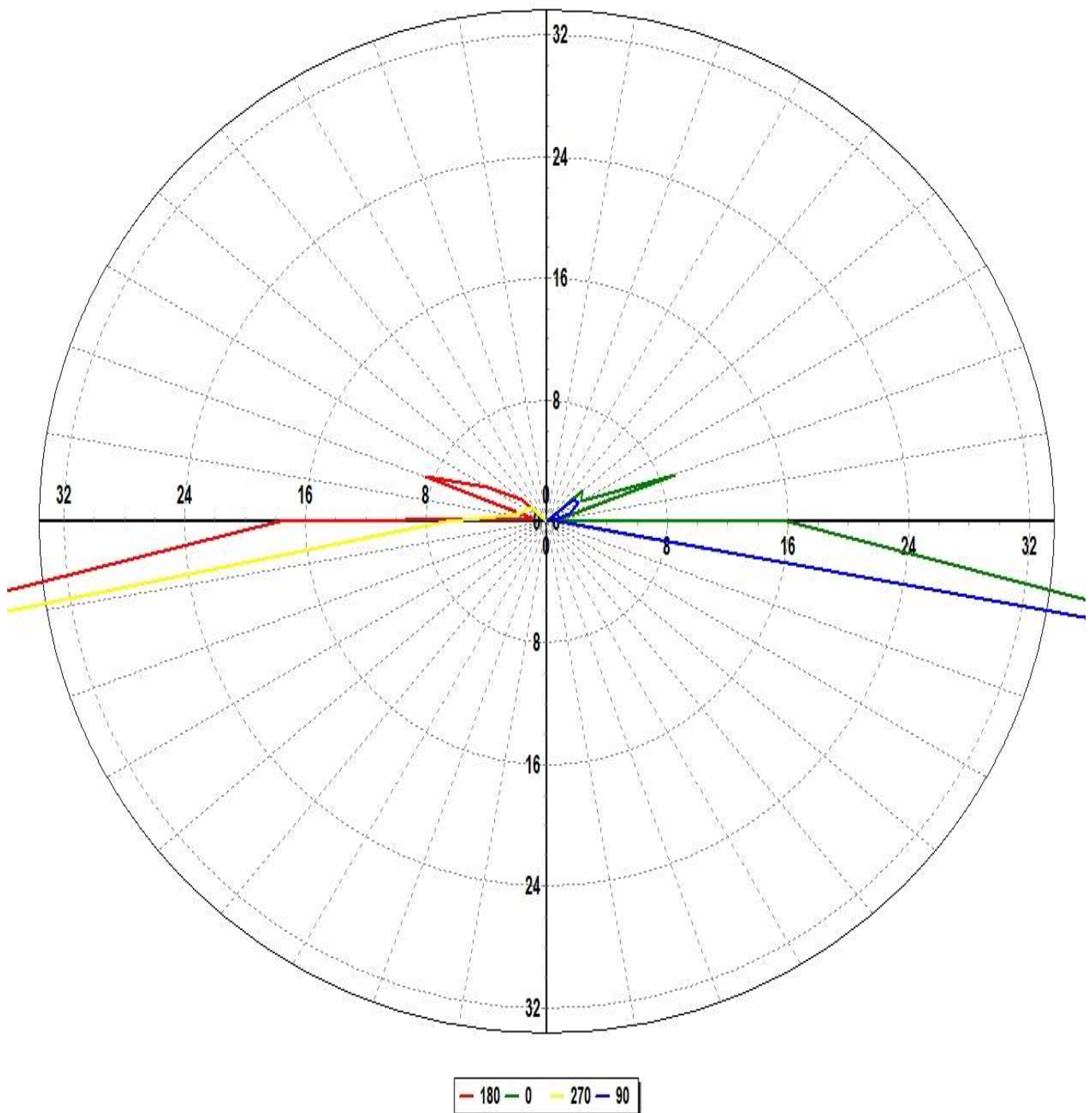
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0.99Date

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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Data

Maximum (cd) : 187

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	187.47	187.2	186.65	186.33	186.83	187.23	187.47	187.2	186.65	186.33	186.83
10	183.03	182.62	182.51	182.48	182.45	183.53	183.14	183.64	184.15	183.53	184.49
20	172.69	171.68	170.86	170.69	170.12	170.37	175.09	175.61	174.26	174.86	174.86
30	156.9	156.23	154.05	152.25	153.86	154.98	159.93	160.04	158.66	158.8	159.33
40	136.48	134.46	132.67	129.86	131.95	132.61	140.06	139.26	137.97	137.72	138.9
50	111.87	111.04	108.15	105.35	106.64	108.18	115.65	116.08	114.17	113.19	115.91
60	85.77	83.48	80.65	77.71	78.78	80.5	90.39	89.4	85.87	86.35	88.47
70	59.21	56.62	54.03	50.26	51.6	52.76	63.54	62.66	58.4	58.73	61.58
80	28.76	27.94	26.71	21.78	24.1	23.48	33.84	35.58	32.82	29.46	34.7
90	9.01	7.15	3.58	0.46	3.03	6.47	9.99	8.89	5.94	3.74	6.71
100	0.43	0.86	1.91	0.3	2.12	1.31	0.54	0.61	1.74	1.32	3.07
110	5.12	2.59	1.56	0.93	1.06	2.56	4.84	3.51	1.23	0.97	1.1
120	1.49	1.43	0.77	1.36	0.37	1.33	2.57	1.08	1.18	0.88	0.66
130	1.77	1.78	1.54	1.3	1.41	1.32	1.21	0.91	0.66	0.76	1.94

Luminaire KH FEELUX

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KH FEELUX

No. of lamps	1	Voltage (V)	23.9	Filename	260417 FNX2 21K-24V-C90.jdt
Lamp flux (lm)	565	Current (A)	0.395	Operator	
Total flux (lm)	565	Power Factor	0.99	Date	2026-04-17 오후 1:56:57

Luminous Intensity Data (Continued)

Maximum (cd) : 187

Minimum (cd) : 0

G/C	330	360
0	187.23	187.47
10	185.24	183.03
20	176.81	172.69
30	162.84	156.9
40	142.42	136.48
50	119.65	111.87
60	93.88	85.77
70	65.86	59.21
80	38.57	28.76
90	10.47	9.01
100	0.7	0.43
110	3.57	5.12
120	0.95	1.49
130	1.67	1.77

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Luminous Flux Table

Total Lamp Lumens: 565.27

Luminaire Efficiency (lm/W): 59.69

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.47	4.47	0.79	0.79
10	34.88	39.35	6.96	6.96
20	64.86	104.21	18.44	18.44
30	86.15	190.37	33.68	33.68
40	95.88	286.25	50.64	50.64
50	94.10	380.35	67.28	67.29
60	80.72	461.07	81.56	81.57
70	59.63	520.70	92.11	92.11
80	32.15	552.85	97.80	97.80
90	6.89	559.74	99.02	99.02
100	1.34	561.08	99.25	99.26
110	2.49	563.57	99.69	99.70
120	1.11	564.68	99.89	99.90
130	0.59	565.27	100.00	100.00

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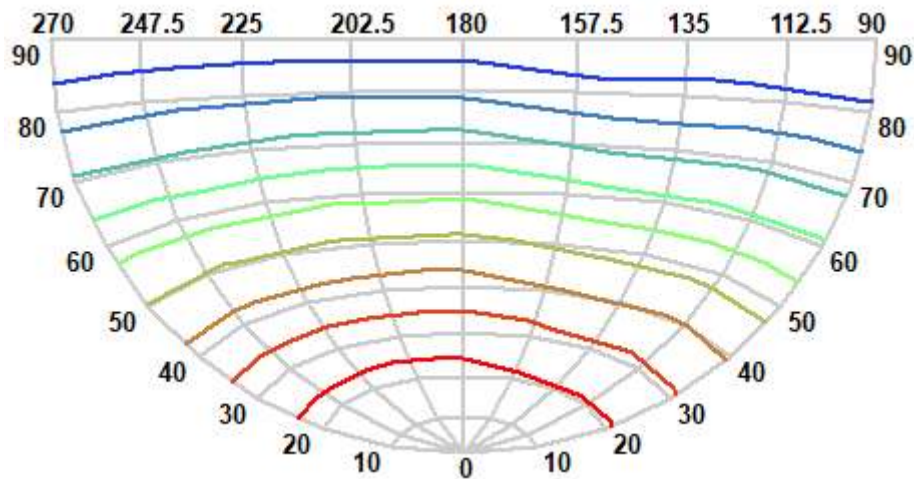
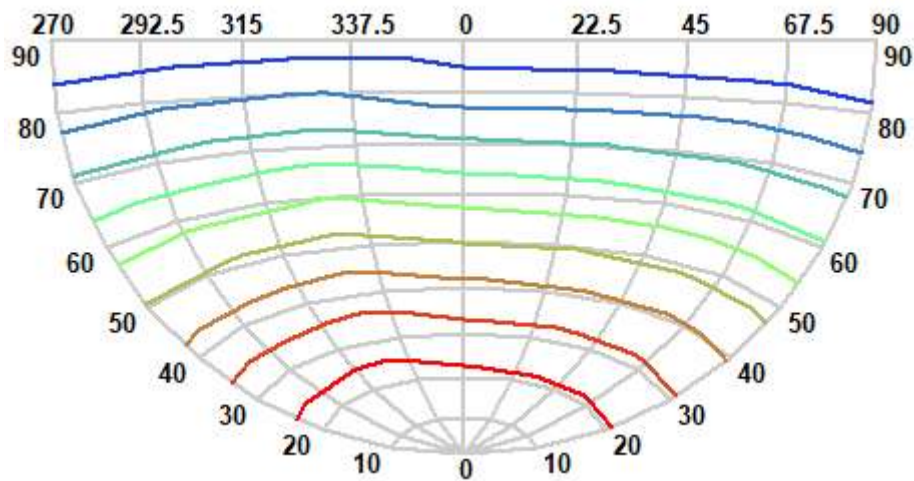
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IsoCandela (Type C)



0 ~ 19
19 ~ 38
38 ~ 56
56 ~ 75
75 ~ 94

94 ~ 113
113 ~ 131
131 ~ 150
150 ~ 169
169 ~ 187

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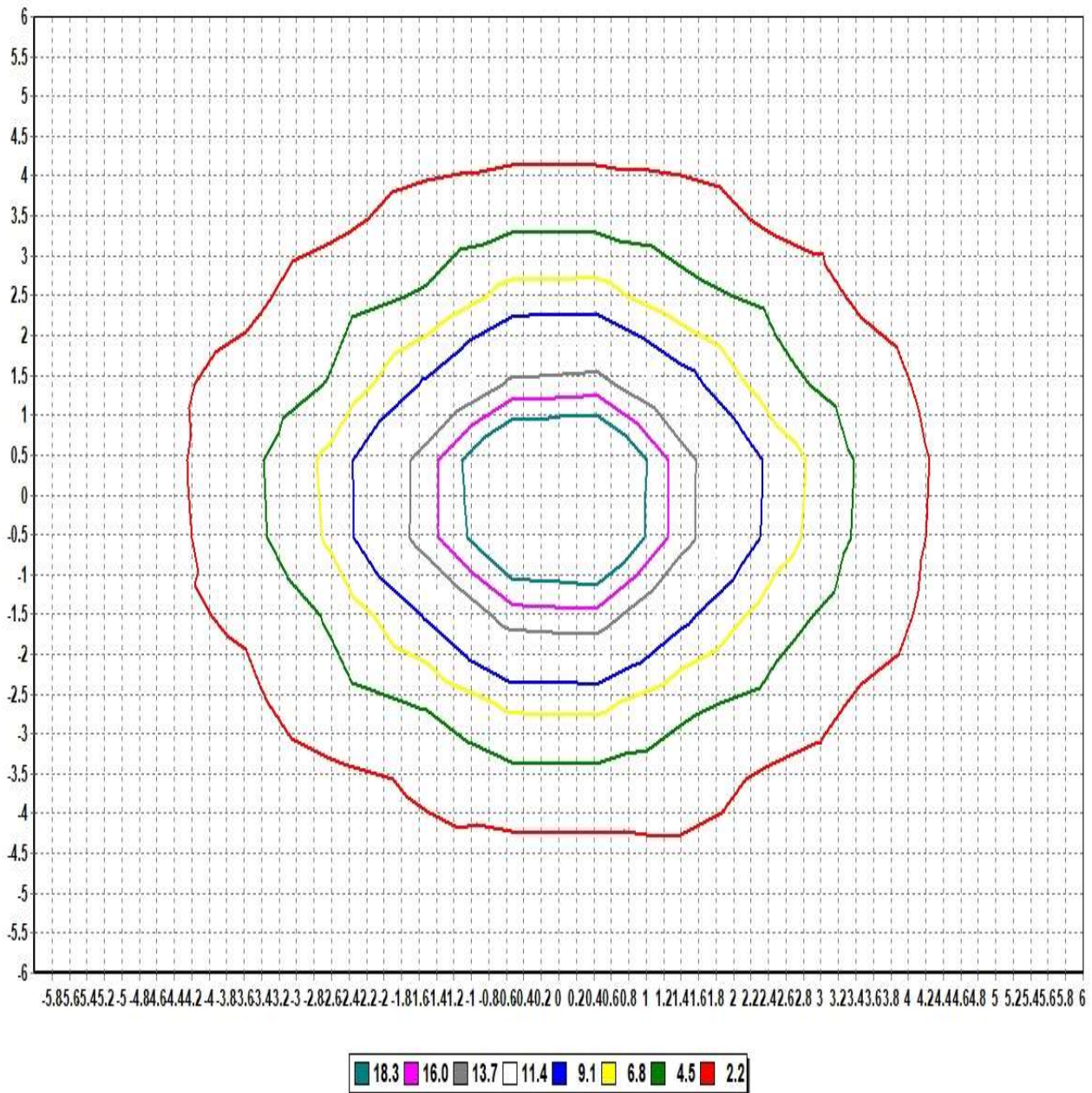
Total flux (lm) 565

Power Factor

0.99Date

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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

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No. of lamps 1

Voltage (V)

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Lamp flux (lm) 565

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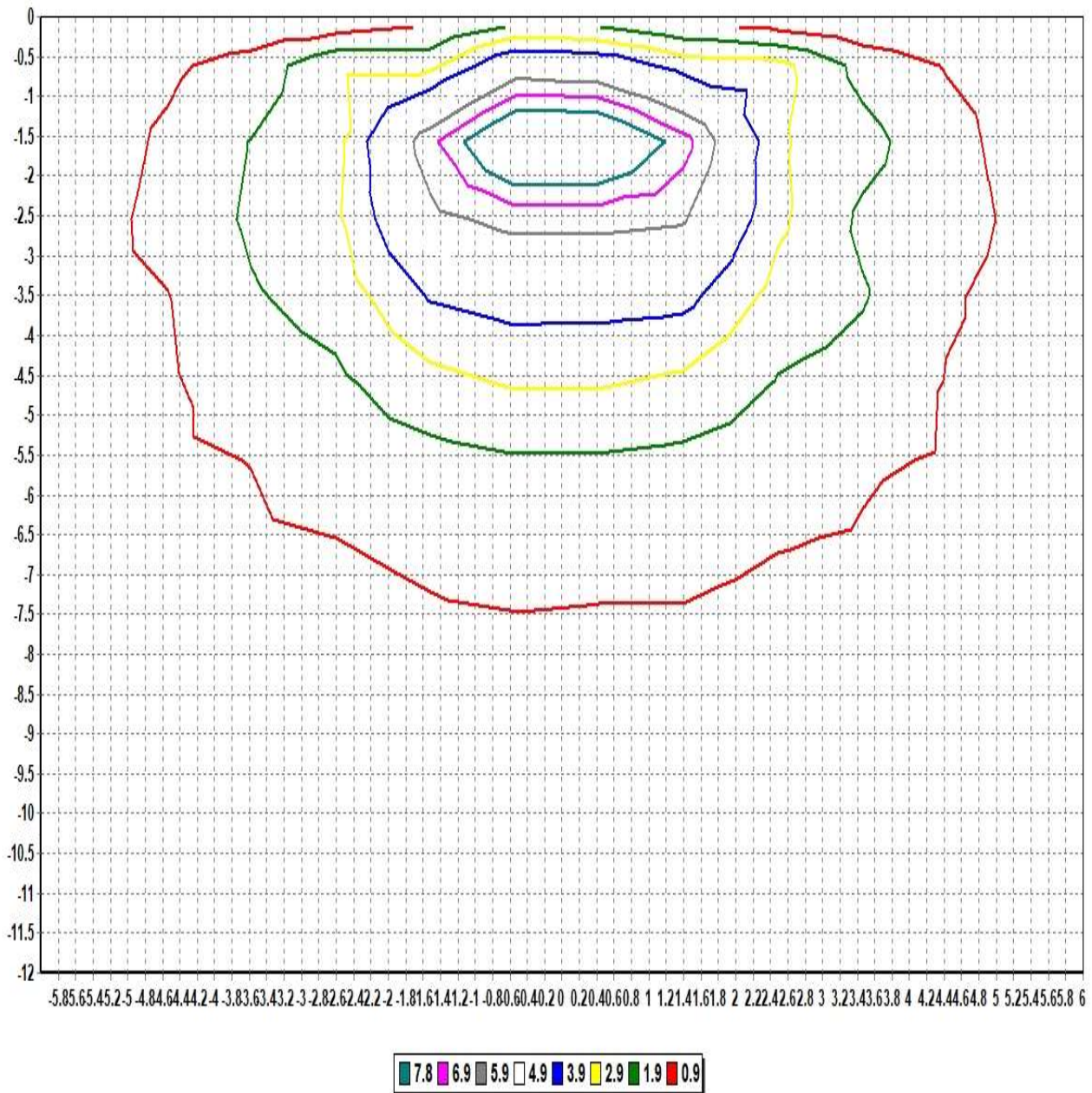
Total flux (lm) 565

Power Factor

0.99Date

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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)	23.926
Lamp flux (lm)	565	Current (A)	0.39583
Total flux (lm)	565	Power Factor	0.9999

Report

KH FEELUX

Filename 260417 FNX2 21K-24V-C90.jdt

Operator

Date

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Illuminance Levels (Ground)

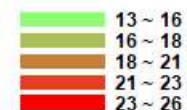
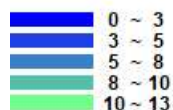
6.00	0.27	0.36	0.31	0.40	0.49	0.58	0.59	0.57	0.53	0.44	0.33	0.38	0.30
5.00	0.37	0.33	0.47	0.65	1.20	1.42	1.48	1.41	1.25	0.68	0.50	0.38	0.39
4.00	0.32	0.49	1.03	1.49	1.55	1.99	2.13	1.98	1.63	1.54	1.09	0.53	0.36
3.00	0.41	0.67	1.52	1.81	3.61	4.03	4.53	4.17	3.70	1.94	1.58	0.73	0.44
2.00	0.50	1.21	1.55	3.69	5.20	8.30	9.80	8.46	5.43	3.80	1.64	1.26	0.55
1.00	0.65	1.51	2.13	4.07	8.32	14.98	20.60	15.28	8.49	4.23	2.22	1.56	0.68
0.00	0.71	1.64	2.42	4.95	10.46	20.69	25.72	20.67	10.22	4.80	2.31	1.58	0.67
-1.00	0.61	1.48	2.11	4.40	8.78	15.60	20.73	15.52	8.78	4.45	2.21	1.54	0.66
-2.00	0.59	1.32	1.75	3.91	5.63	8.77	10.32	8.74	5.57	3.98	1.75	1.33	0.60
-3.00	0.48	0.78	1.64	2.04	3.86	4.38	4.85	4.36	3.84	2.00	1.69	0.81	0.48
-4.00	0.38	0.57	1.14	1.62	1.74	2.14	2.33	2.14	1.73	1.61	1.12	0.58	0.40
-5.00	0.42	0.41	0.54	0.73	1.31	1.52	1.60	1.52	1.31	0.73	0.54	0.39	0.43
-6.00	0.32	0.40	0.36	0.48	0.58	0.64	0.67	0.64	0.57	0.47	0.36	0.40	0.31
-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.) : 25.716

Illum. (Min.) : 0.2747

Illum. (Avg.) : 3.0284

All illuminance level values are in lux.



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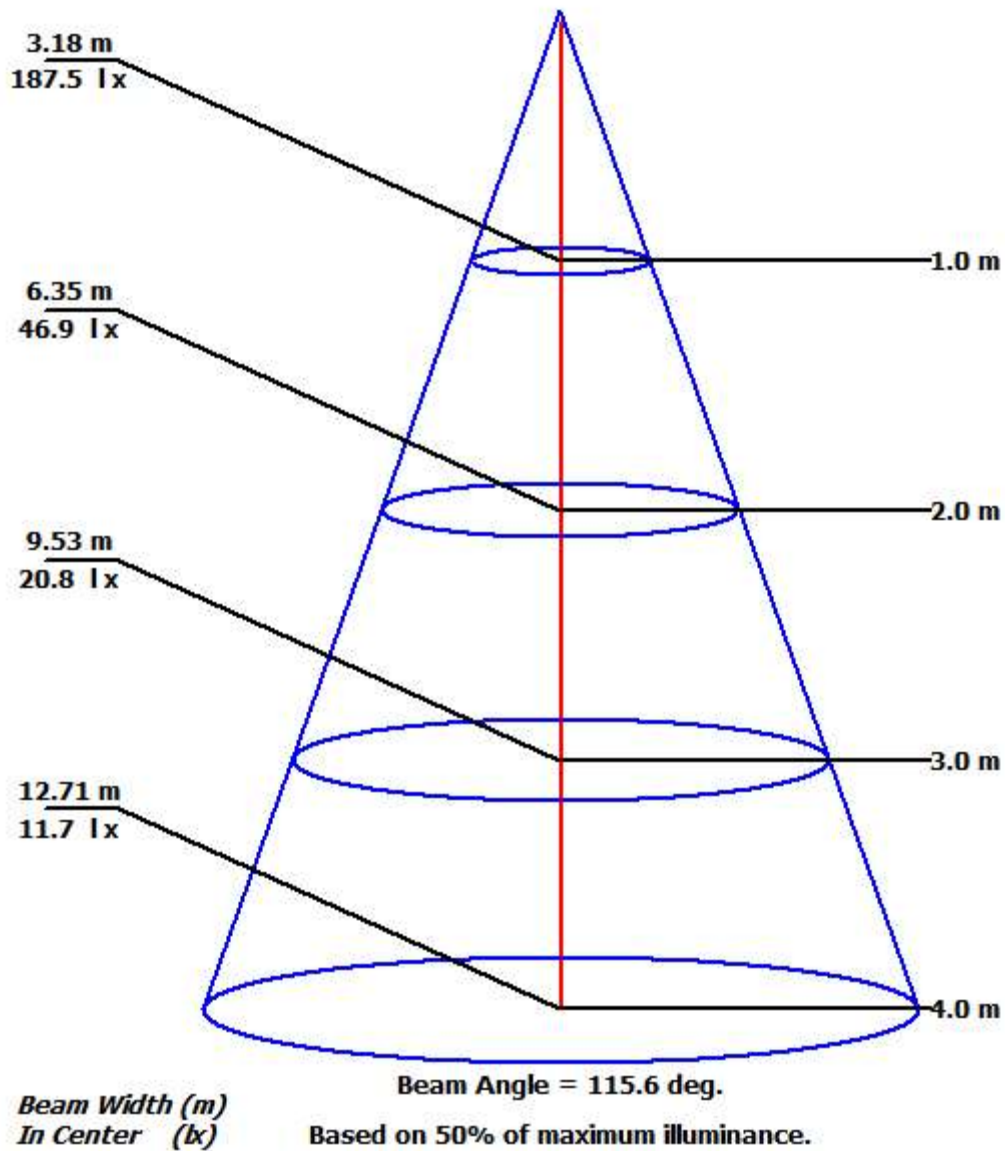
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.926

Filename 260417 FNX2 21K-24V-C90.jdt

Lamp flux (lm) 565 Current (A) 0.39583

Operator

Total flux (lm) 565 Power Factor 0.9999

Date 2026-04-17 오후 1:56:57

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