

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 30K-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 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		0.4314 , 0.3948	
Correlated Color Temperature	K	3021	
Ra		94.7	
Power Factor		1.000	
Input Voltage	V	23.923	
Input Current	A	0.406	
Input Watt	W	9.721	
Lamp Flux	lm	679.9	
Efficient	lm/W	69.94	
luminous Intensity (Max , Center)	cd	226 , 225	
Illuminance	lx	225	1 m
		56	2 m
		25	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 30K-24V-C90.jdt

Lamp flux (lm) 680

Current (A)

0.406Operator

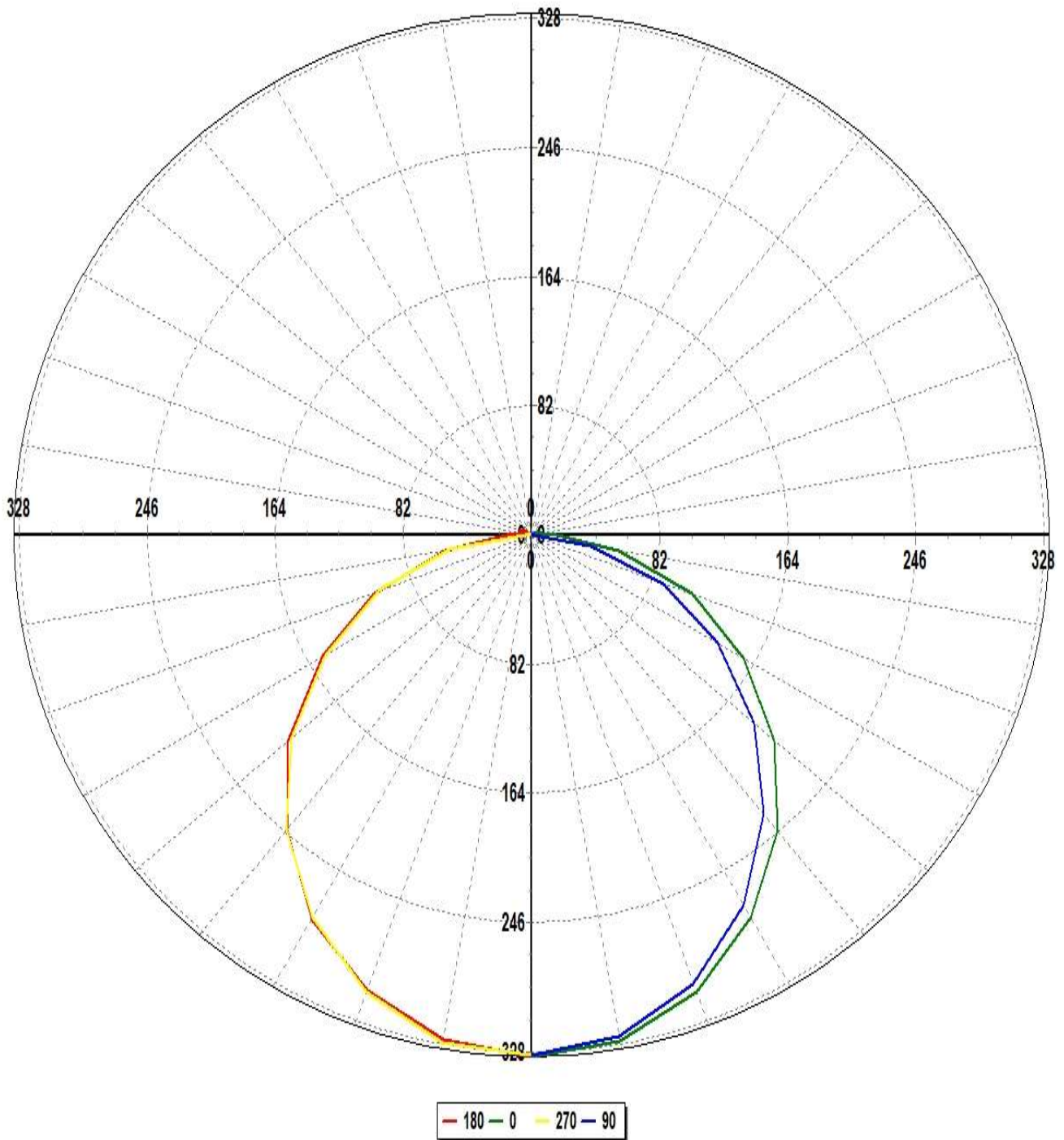
Total flux (lm) 680

Power Factor

0.99Date

2026-04-17 오후 3:27:24

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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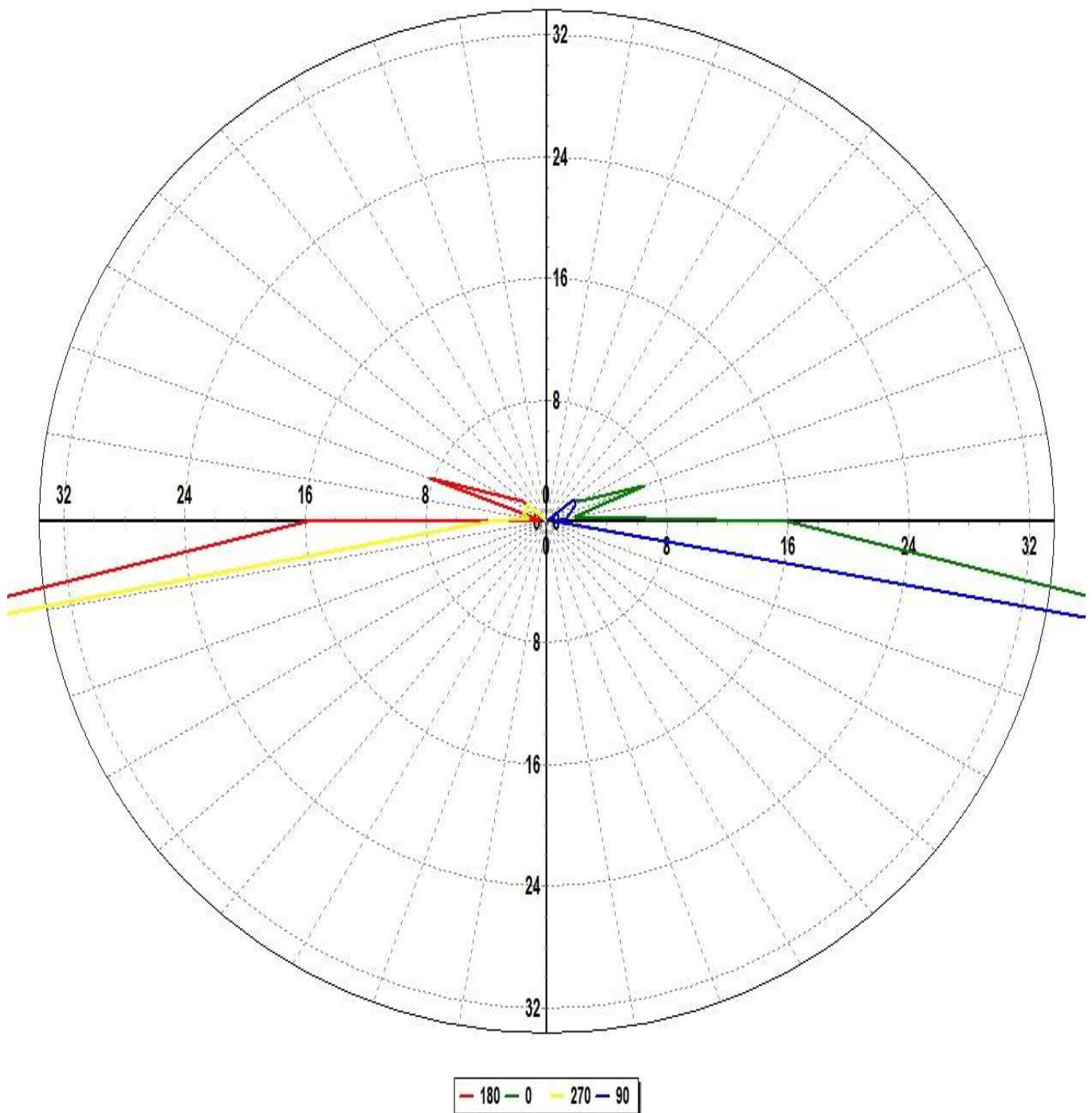
Total flux (lm) 680

Power Factor

0.99Date

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A)

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Total flux (lm) 680

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Luminous Intensity Data

Maximum (cd) : 226

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	225.2	224.98	226.09	224.82	224.86	223.9	225.2	224.98	226.09	224.82	224.86
10	221.74	221.28	219.42	219.55	218.19	217.72	221.4	222.09	221.74	222.19	222.54
20	209.56	208.88	207.48	205.89	204.85	203.55	209.1	209.76	209.35	210.14	212.21
30	190.83	188.99	187.29	184.28	184.57	182.72	191.57	191.16	190.4	191.01	193.38
40	166.53	164.14	161.76	157.02	157.26	156.14	165.64	166.27	164.89	166.04	168.56
50	137.94	135.26	130.91	126.28	126.88	126.94	138.19	137.71	135.82	136.29	139.97
60	106.39	103.47	98.98	93.28	94.16	94.28	105.21	105.28	103.04	103.6	108.42
70	74.33	71.1	65.22	61.14	61.44	61.68	72.85	72.63	70.81	70.64	75.23
80	38.45	35.64	32.87	26.26	27.9	25.87	38.2	39.88	37.52	36.41	42.59
90	10.86	9.15	3.78	0.4	3.21	7.17	10.81	10.15	6.19	2.63	9.28
100	1.29	0.91	2.27	0.91	2.66	1.4	0.3	1.14	1.71	0.81	2.31
110	4.69	3.99	0.93	1.15	0.8	3.13	5.63	3.73	0.87	1.14	1.36
120	1.75	1.74	1.28	1.52	1	1.07	2.22	1.84	1.11	1.05	0.91
130	1.54	1.35	1.47	1.54	1.72	2.19	1.43	0.95	0.98	1.16	2.08

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Current (A)

0.406Operator

Total flux (lm) 680

Power Factor

0.99Date

2026-04-17 오후 3:27:24

Luminous Intensity Data (Continued)

Maximum (cd) : 226

Minimum (cd) : 0

G/C	330	360
0	223.9	225.2
10	222.68	221.74
20	212.68	209.56
30	195.96	190.83
40	173.1	166.53
50	144.23	137.94
60	114.31	106.39
70	81.73	74.33
80	48.8	38.45
90	15.49	10.86
100	0.64	1.29
110	5.31	4.69
120	1.72	1.75
130	0.94	1.54

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	23.9	Filename	260417 FNX2 30K-24V-C90.jdt
Lamp flux (lm)	680	Current (A)	0.406	Operator	
Total flux (lm)	680	Power Factor	0.99	Date	2026-04-17 오후 3:27:24

Luminous Flux Table

Total Lamp Lumens: 679.93

Luminaire Efficiency (lm/W): 69.94

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.38	5.38	0.79	0.79
10	42.01	47.39	6.97	6.97
20	78.15	125.53	18.46	18.46
30	103.69	229.22	33.71	33.71
40	115.42	344.64	50.69	50.69
50	113.02	457.66	67.31	67.31
60	97.25	554.91	81.62	81.61
70	71.94	626.85	92.20	92.19
80	38.68	665.53	97.89	97.88
90	8.13	673.67	99.08	99.08
100	1.47	675.14	99.30	99.29
110	2.81	677.94	99.71	99.71
120	1.36	679.30	99.91	99.91
130	0.63	679.93	100.00	100.00

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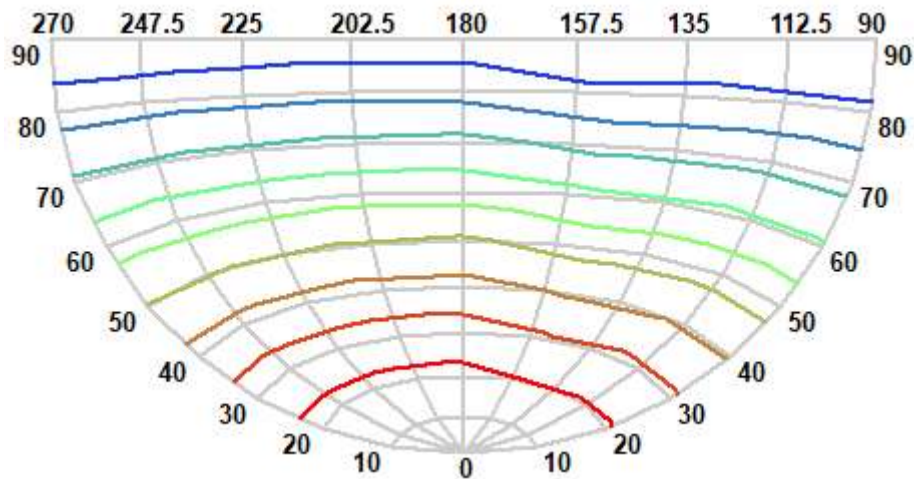
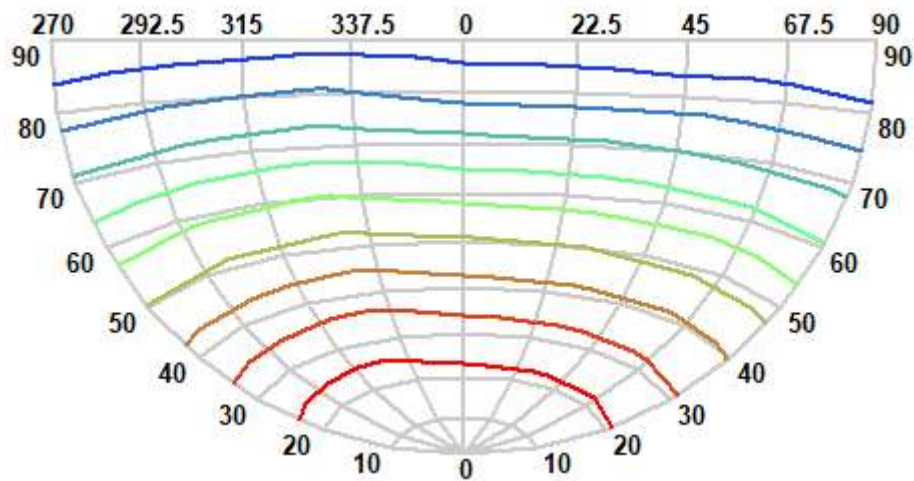
Total flux (lm) 680

Power Factor

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IsoCandela (Type C)



0 ~ 23
23 ~ 45
45 ~ 68
68 ~ 91
91 ~ 113

113 ~ 136
136 ~ 158
158 ~ 181
181 ~ 204
204 ~ 226

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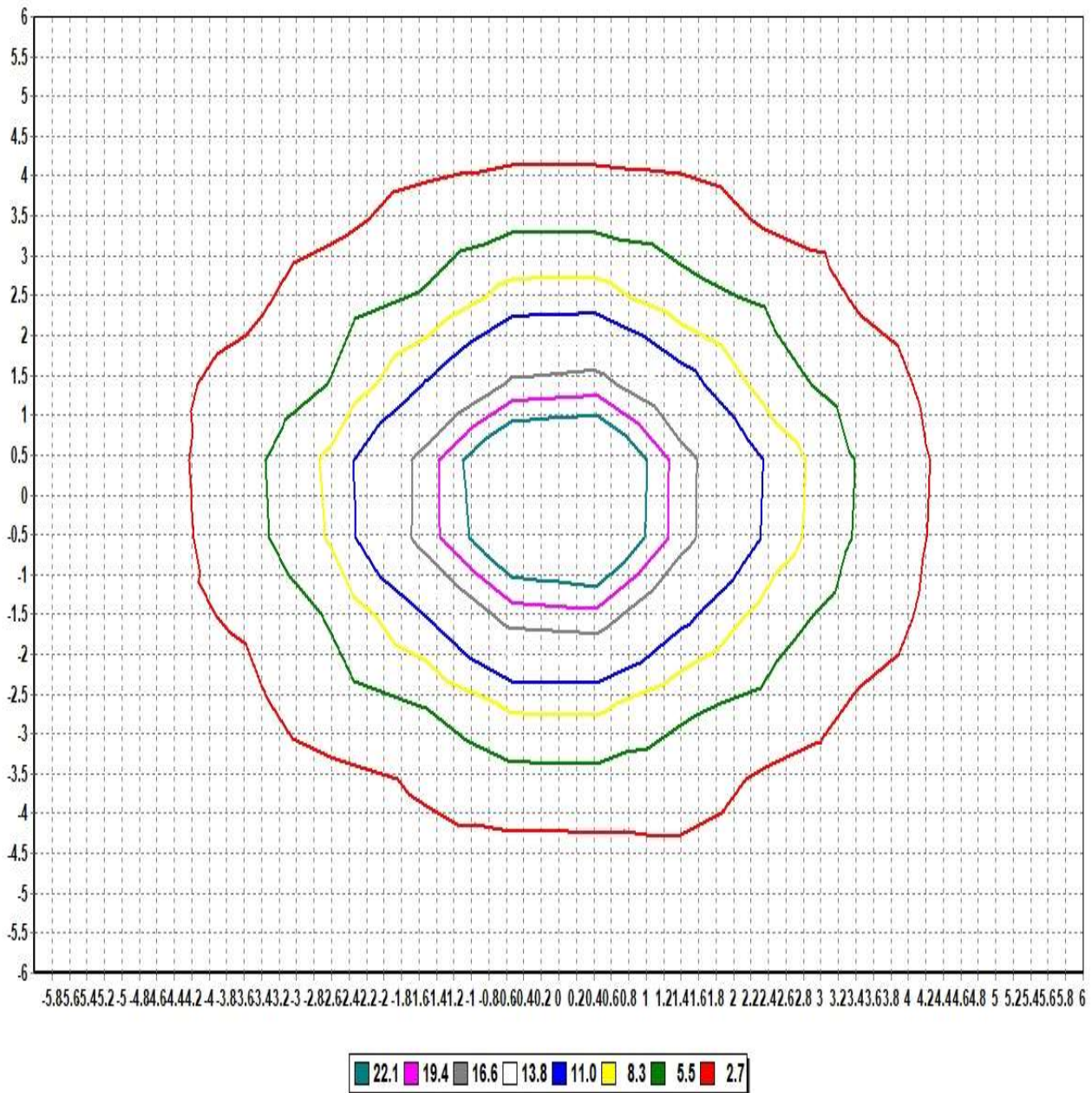
Total flux (lm) 680

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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Voltage (V)

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Lamp flux (lm) 680

Current (A)

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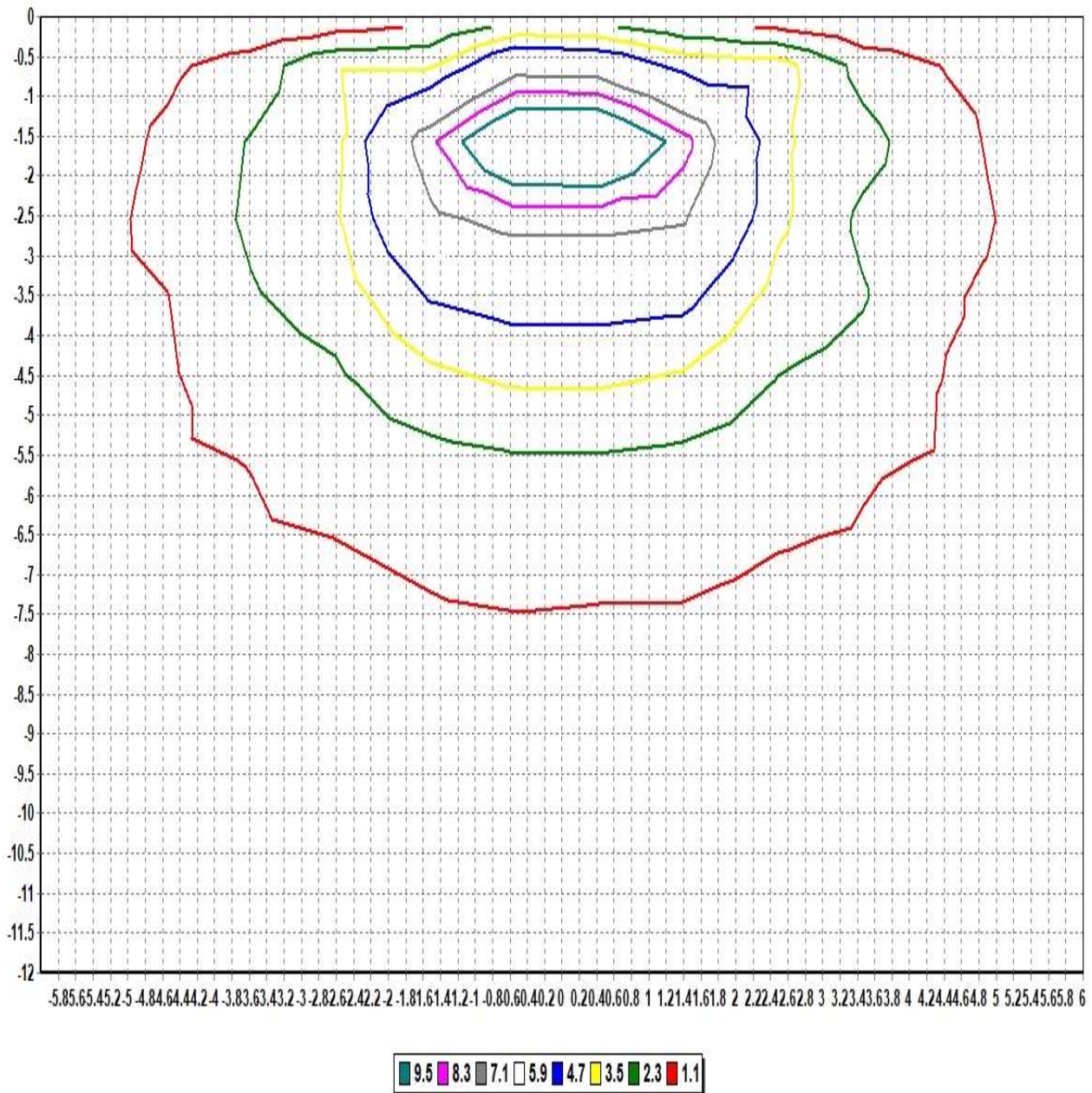
Total flux (lm) 680

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)	23.923
Lamp flux (lm)	680	Current (A)	0.40639
Total flux (lm)	680	Power Factor	0.9999

Report

KH FEELUX

Filename 260417 FNX2 30K-24V-C90.jdt

Operator

Date

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Illuminance Levels (Ground)

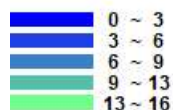
6.00	0.33	0.43	0.37	0.48	0.59	0.71	0.71	0.69	0.66	0.55	0.40	0.47	0.37
5.00	0.44	0.40	0.57	0.78	1.43	1.72	1.78	1.70	1.52	0.83	0.62	0.47	0.49
4.00	0.37	0.57	1.23	1.78	1.85	2.41	2.56	2.40	2.02	1.86	1.34	0.66	0.45
3.00	0.48	0.79	1.79	2.16	4.35	4.81	5.44	5.07	4.50	2.39	1.94	0.91	0.55
2.00	0.60	1.43	1.85	4.34	6.22	9.92	11.85	10.33	6.65	4.64	2.03	1.55	0.68
1.00	0.75	1.79	2.50	4.82	9.91	18.06	24.79	18.54	10.36	5.17	2.72	1.90	0.84
0.00	0.82	1.95	2.85	5.90	12.43	25.00	30.89	25.04	12.45	5.90	2.86	1.95	0.83
-1.00	0.71	1.75	2.48	5.23	10.47	18.65	25.09	18.75	10.65	5.37	2.71	1.88	0.82
-2.00	0.69	1.57	2.06	4.64	6.69	10.47	12.43	10.60	6.72	4.83	2.13	1.61	0.73
-3.00	0.56	0.90	1.95	2.41	4.60	5.20	5.84	5.26	4.64	2.42	2.04	0.99	0.59
-4.00	0.44	0.66	1.35	1.93	2.06	2.57	2.80	2.57	2.11	1.94	1.36	0.72	0.49
-5.00	0.49	0.47	0.65	0.88	1.56	1.82	1.93	1.82	1.58	0.88	0.66	0.47	0.52
-6.00	0.37	0.48	0.43	0.56	0.68	0.77	0.80	0.77	0.70	0.58	0.43	0.49	0.38
-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.) : 30.891

Illum. (Min.) : 0.3293

Illum. (Avg.) : 3.6486

All illuminance level values are in lux.



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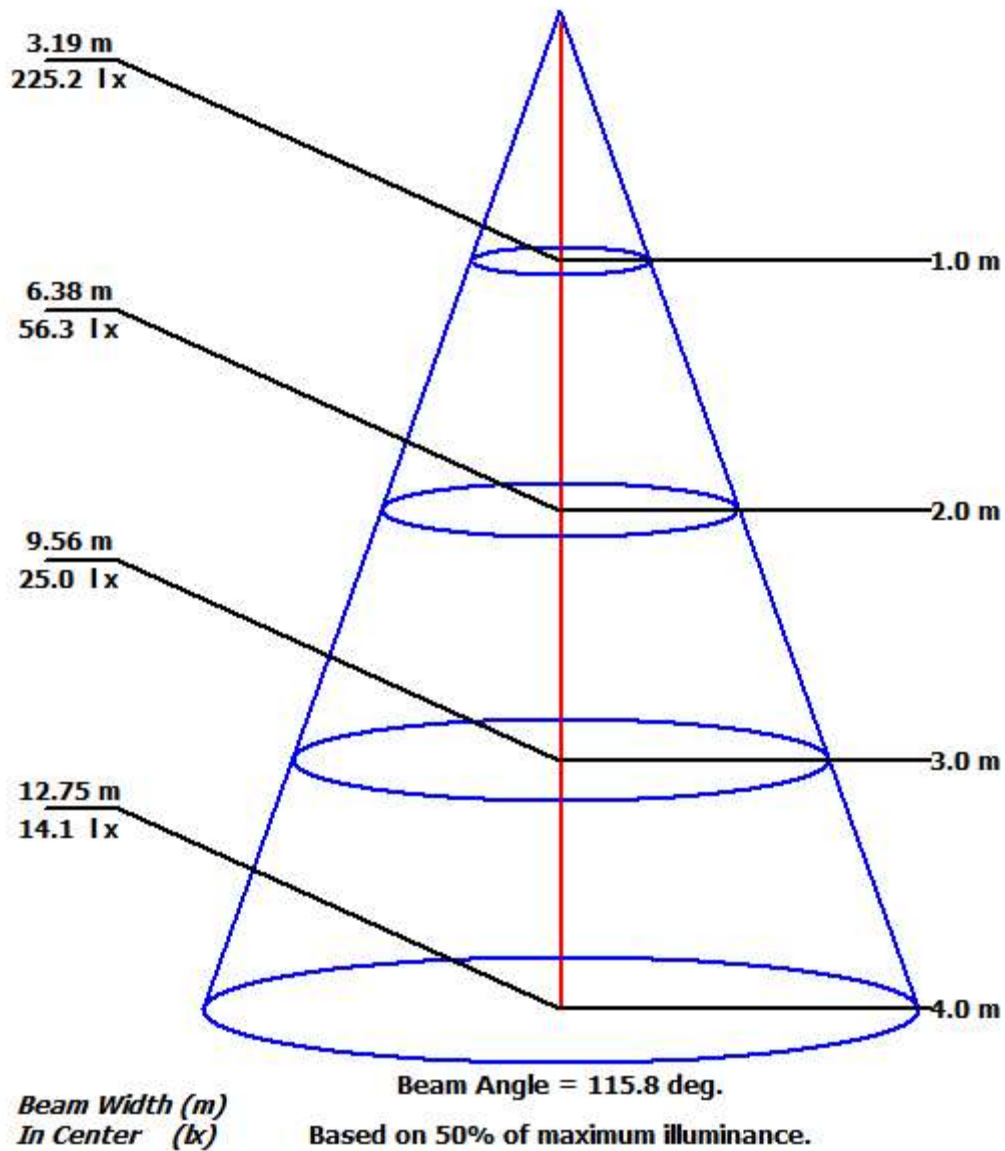
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.923

Filename 260417 FNX2 30K-24V-C90.jdt

Lamp flux (lm) 680 Current (A) 0.40639

Operator

Total flux (lm) 680 Power Factor 0.9999

Date 2026-04-17 오후 3:27:24

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