

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 : 20260320

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260320 EGL7-40K_CRI90_LENS(고효율)

5. Test Period : 260320 ~ 260320

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		0.3882 , 0.3840	
Correlated Color Temperature	K	3850	
Ra		93.95	
Power Factor		1.000	
Input Voltage	V	23.932	
Input Current	A	0.362	
Input Watt	W	8.656	
Lamp Flux	lm	668.1	
Efficient	lm/W	77.19	
luminous Intensity (Max , Center)	cd	460 , 460	
Illuminance	lx	460	1 m
		115	2 m
		51	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)

23Filename 260320 EGL7-40K_CRI90_LENS(고효율).jdt

Lamp flux (lm) 668

Current (A)

0.3Operator

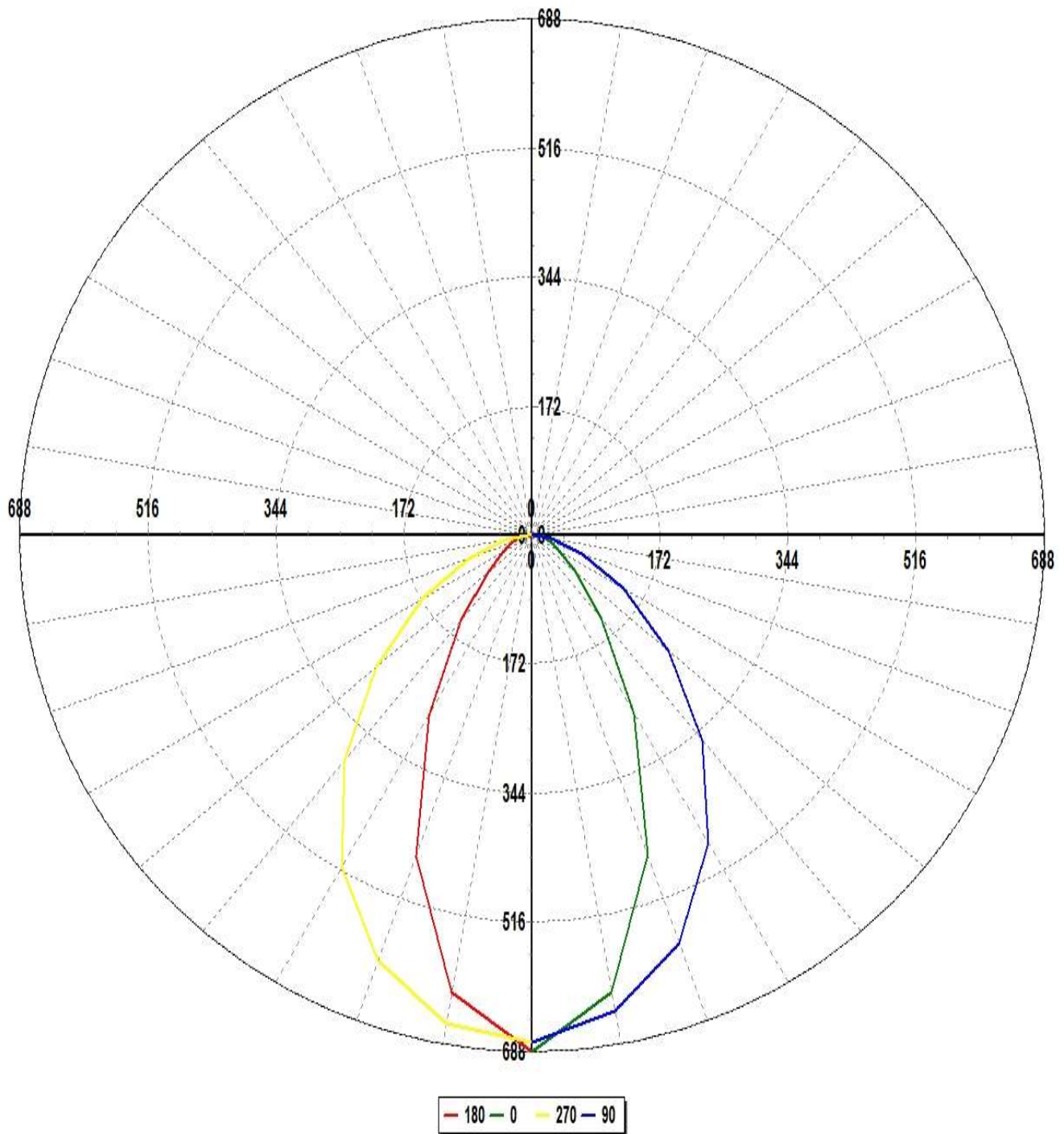
Total flux (lm) 668

Power Factor

0.1Date

2026-03-20 오전 10:22:46

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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KH FEELUX

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Current (A)

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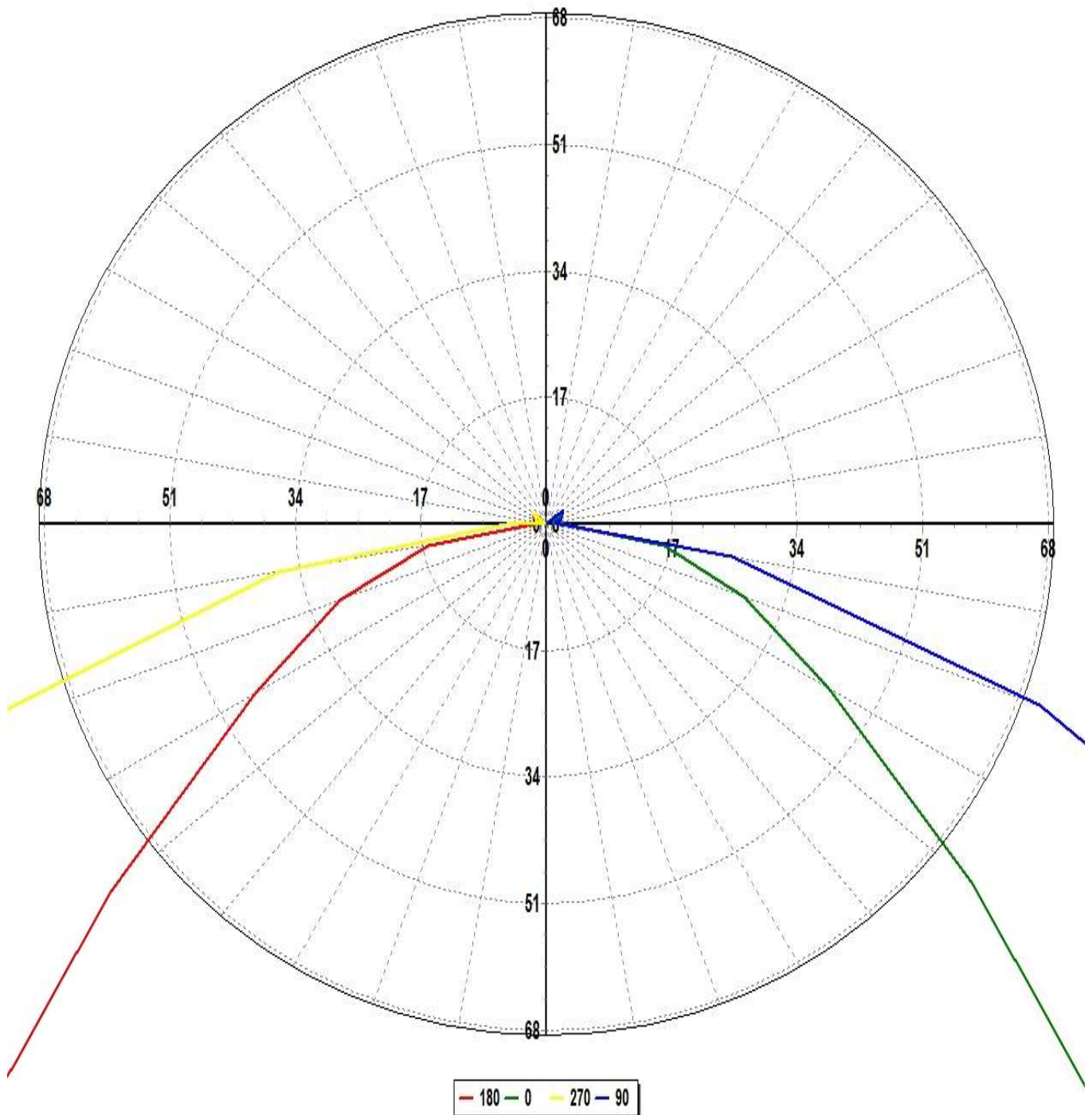
Total flux (lm) 668

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A)

0.3Operator

Total flux (lm) 668

Power Factor

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Luminous Intensity Data

Maximum (cd) : 460

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	460.17	453.61	454.01	451.36	446.24	444.94	460.17	453.61	454.01	451.36	446.24
10	413.3	419.92	430.8	431.01	411.94	383.51	413.4	418.29	430.5	442.12	439.14
20	303.17	324.67	373.83	386.58	343.62	281.85	304.7	327	371.58	403.13	389.43
30	183.05	211.38	286.47	316.74	256.54	176.35	185.4	214.08	285.06	341.44	309.94
40	96.09	119.95	196.27	237.84	172.86	100.22	98.73	123.63	197.54	262.13	220.32
50	50.27	65.89	121.53	159.8	105.51	55.17	51.55	68.01	125.09	181.9	138.8
60	29.53	37.05	69	95.1	59.87	32	30.37	38.19	72.84	112.94	81.56
70	19.06	21.73	35.97	47.54	29.68	18.45	19.83	22.52	38.37	60.61	43.81
80	10.88	11.65	13.44	17.06	10.83	6.36	10.88	12.03	15.65	24.63	19.53
90	1.53	0.64	0.91	1.25	0.46	0.61	1.07	1.24	1.53	3.6	3.63
100	0.67	0.48	1.14	0.81	0.71	1.3	0.05	0.83	0.33	-0.13	0.7
110	0.6	1.26	2.08	1.36	0.81	1.3	0.8	1.23	1.05	0.94	0.5
120	1.58	0.92	1.11	1.67	1.75	0.92	1.45	0.84	1.66	1.18	1.09
130	1.78	1.16	1.91	1.98	2.13	1.79	1.31	1.55	1.65	1.58	1.62

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Current (A)

0.3Operator

Total flux (lm) 668

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2026-03-20 오전 10:22:46

Luminous Intensity Data (Continued)

Maximum (cd) : 460

Minimum (cd) : 0

G/C	330	360
0	444.94	460.17
10	434.66	413.3
20	355.94	303.17
30	249.09	183.05
40	148.29	96.09
50	81.7	50.27
60	46.52	29.53
70	26.37	19.06
80	14.65	10.88
90	3.2	1.53
100	1.14	0.67
110	0.45	0.6
120	0.96	1.58
130	1.52	1.78

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

2\Filename 260320 EGL7-40K_CRI90_LENS(고효율).jdt

Lamp flux (lm) 668

Current (A)

0.3Operator

Total flux (lm) 668

Power Factor

0.1Date

2026-03-20 오전 10:22:46

Luminous Flux Table

Total Lamp Lumens: 668.05

Luminaire Efficiency (lm/W): 77.18

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	10.80	10.80	1.62	1.62
10	80.33	91.13	13.64	13.64
20	130.03	221.16	33.10	33.11
30	137.61	358.77	53.70	53.70
40	115.80	474.58	71.03	71.04
50	84.26	558.84	83.65	83.65
60	55.72	614.56	91.99	91.99
70	32.93	647.49	96.92	96.92
80	15.06	662.55	99.17	99.18
90	1.79	664.35	99.44	99.45
100	0.72	665.07	99.55	99.55
110	1.06	666.13	99.71	99.71
120	1.19	667.33	99.88	99.89
130	0.72	668.05	99.99	100.00

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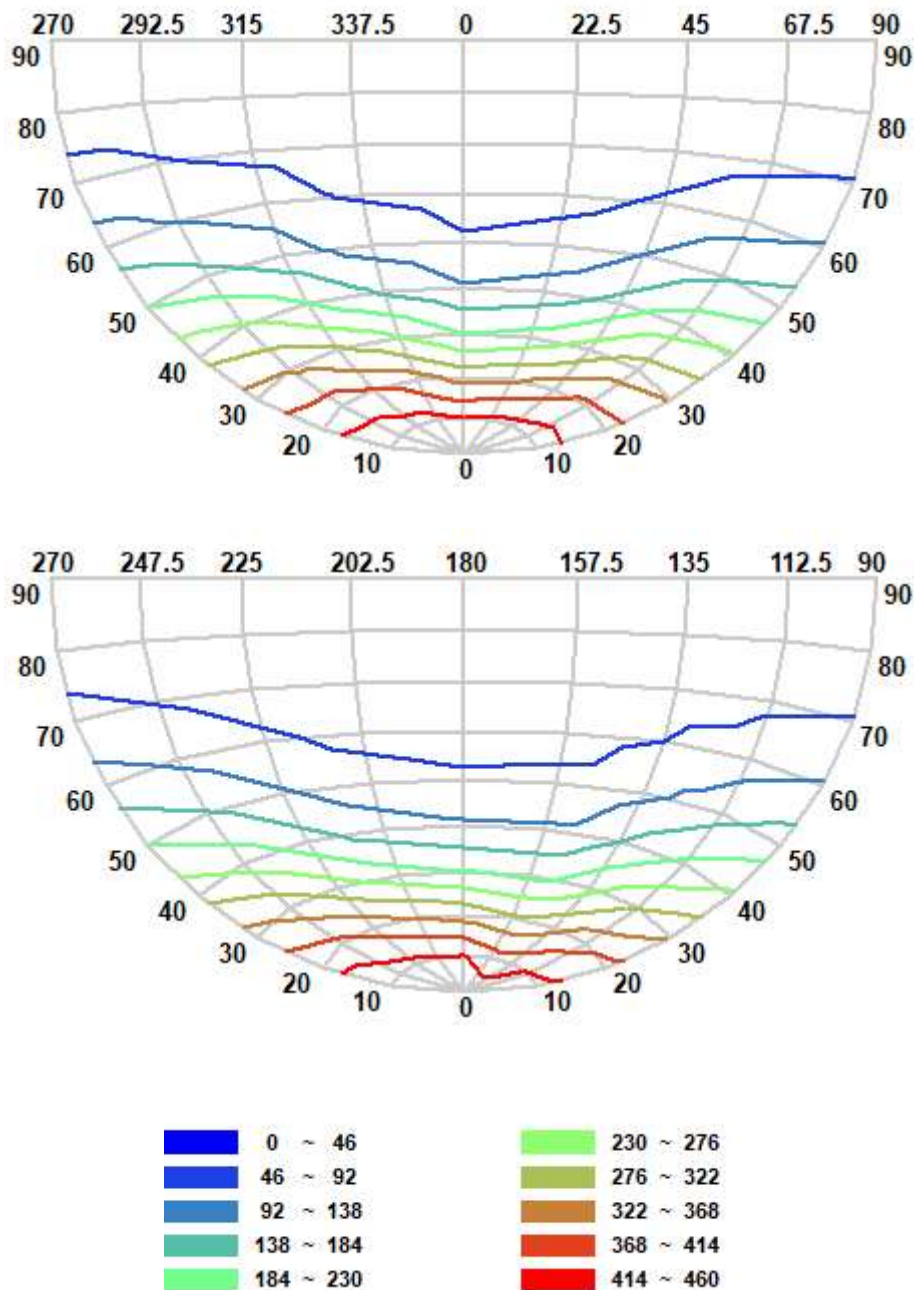
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IsoCandela (Type C)



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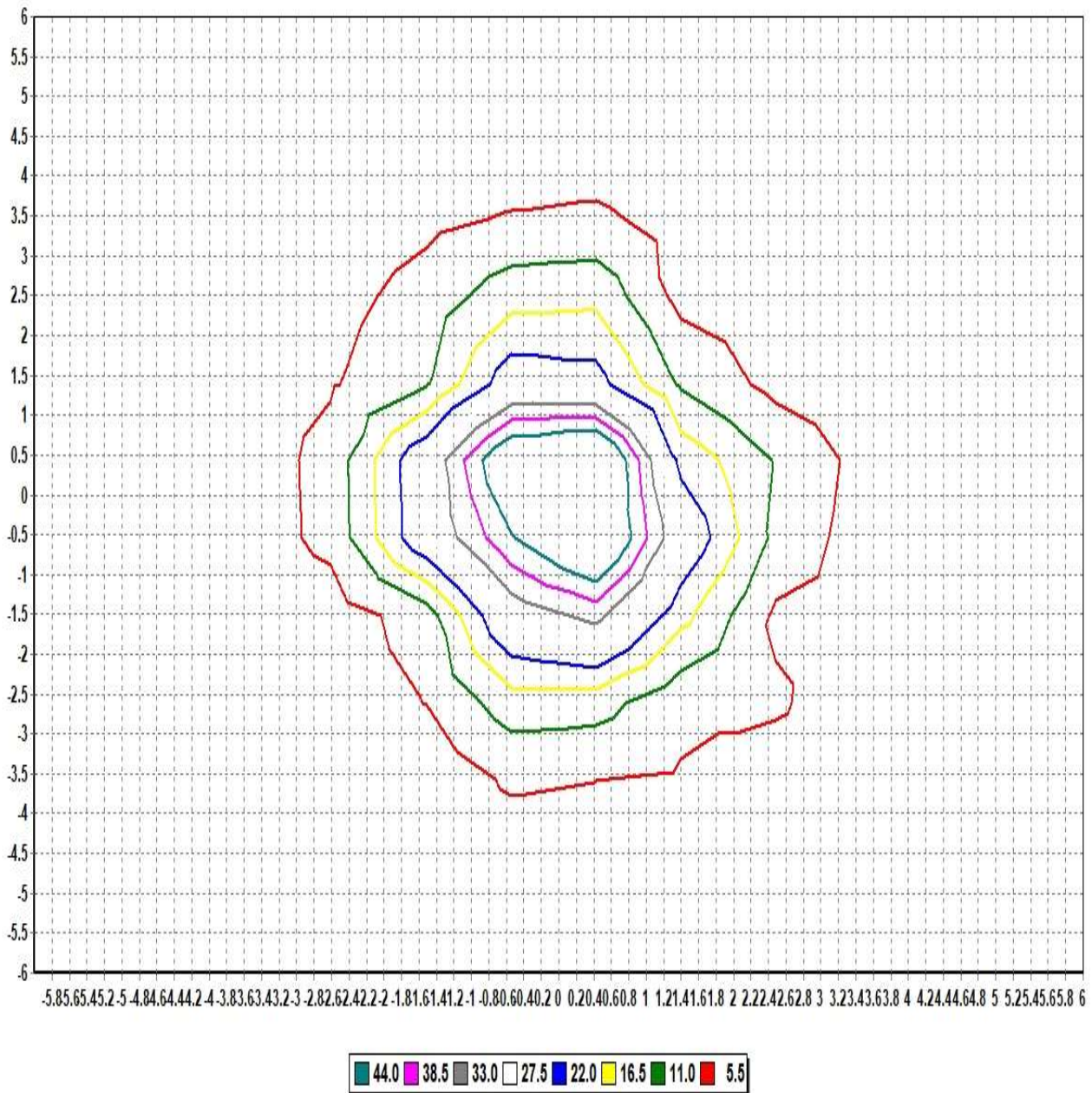
Total flux (lm) 668

Power Factor

0.1Date

2026-03-20 오전 10:22:46

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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No. of lamps 1

Voltage (V)

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Lamp flux (lm) 668

Current (A)

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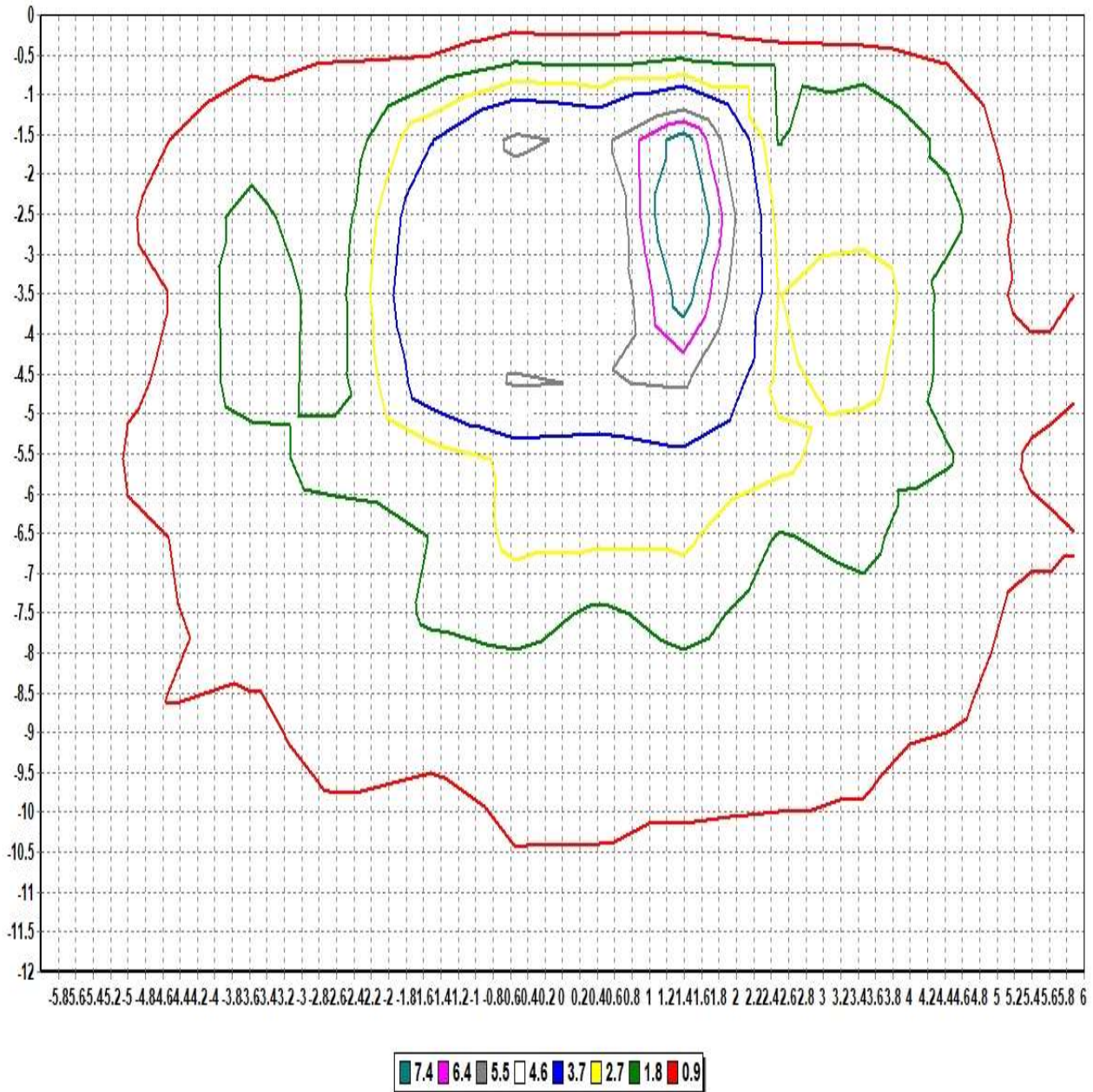
Total flux (lm) 668

Power Factor

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2026-03-20 오전 10:22:46

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) 23.932

Lamp flux (lm) 668 Current (A) 0.36171

Total flux (lm) 668 Power Factor 0.9999

Report

KH FEELUX

Filename 260320 EGL7-40K_CRI90_LENS(고효율).jdt

Operator

Date 2026-03-20 오전 10:22:46

Illuminance Levels (Ground)

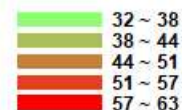
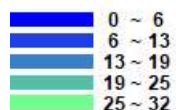
6.00	0.26	0.38	0.28	0.27	0.40	0.50	0.64	0.56	0.28	0.19	0.21	0.27	0.12
5.00	0.19	0.26	0.44	0.71	1.27	1.74	2.20	1.87	0.85	0.52	0.32	0.13	0.15
4.00	0.12	0.22	1.18	2.02	1.31	2.25	2.91	2.30	0.84	1.49	0.51	0.19	0.12
3.00	0.24	0.26	0.91	1.93	6.07	4.88	7.20	3.39	4.84	0.84	0.74	0.25	0.17
2.00	0.27	0.97	1.16	2.78	7.20	11.49	18.88	8.28	3.45	2.49	0.74	0.65	0.21
1.00	0.22	0.68	0.86	3.34	10.50	29.09	48.59	21.43	7.56	2.34	1.08	0.89	0.28
0.00	0.23	0.71	0.93	2.50	9.17	46.37	63.12	46.35	8.99	2.44	0.91	0.69	0.22
-1.00	0.22	0.69	0.87	2.41	7.78	21.65	49.87	32.64	13.50	4.53	1.04	0.80	0.24
-2.00	0.21	0.67	0.77	2.56	3.55	8.49	20.62	14.31	8.58	4.00	1.58	1.31	0.39
-3.00	0.18	0.26	0.76	0.86	4.91	3.50	8.12	5.99	6.84	2.40	1.30	0.38	0.35
-4.00	0.12	0.19	0.53	1.54	0.87	2.57	3.38	2.50	1.74	2.37	1.45	0.31	0.18
-5.00	0.15	0.14	0.34	0.55	0.88	2.07	2.51	1.89	1.61	0.87	0.56	0.35	0.27
-6.00	0.12	0.28	0.23	0.20	0.30	0.66	0.78	0.56	0.53	0.38	0.36	0.47	0.33
-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.) : 63.124

Illum. (Min.) : 0.1157

Illum. (Avg.) : 4.1687

All illuminance level values are in lux.



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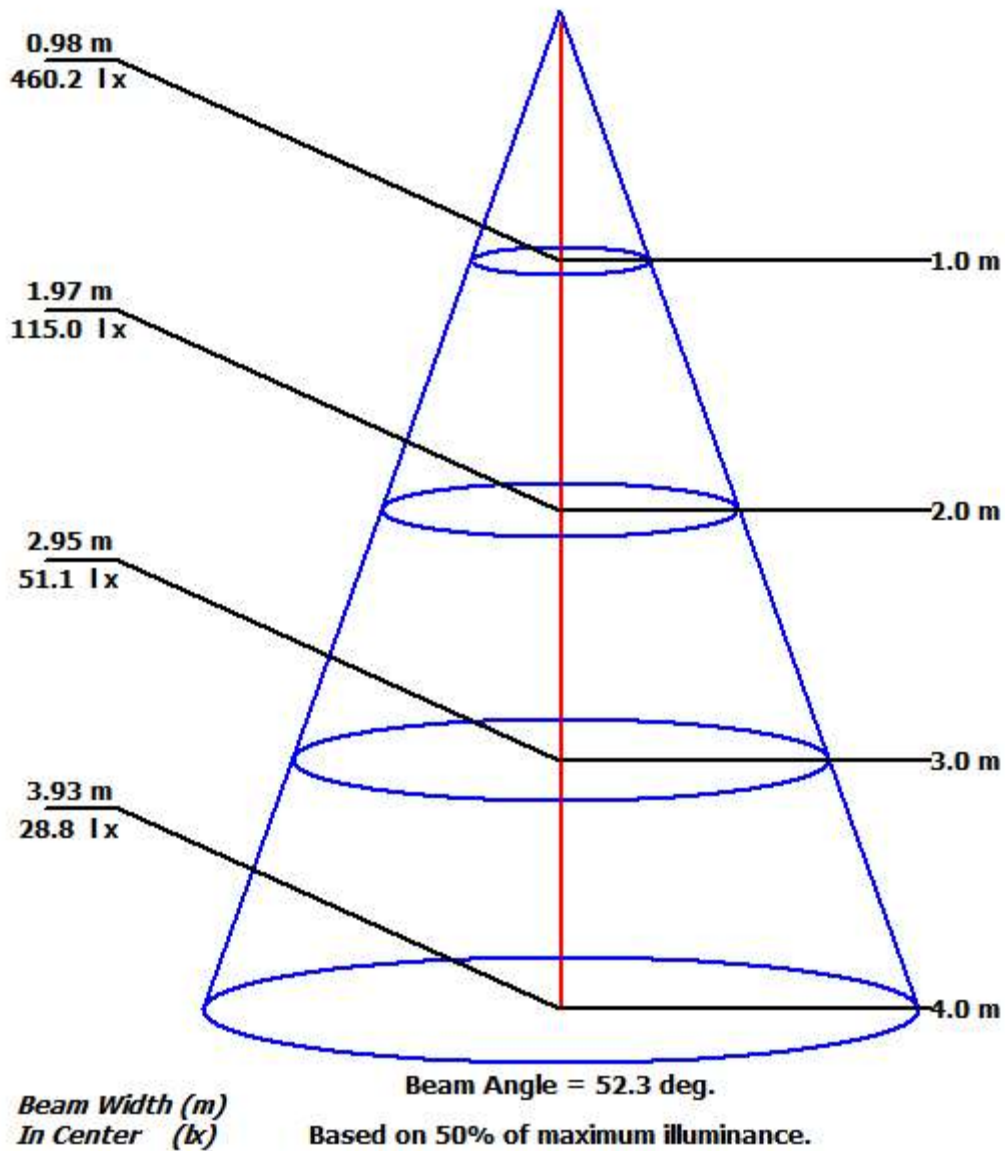
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 668 Current (A) 0.36171

Total flux (lm) 668 Power Factor 0.9999

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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