

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 : 20260402

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260402 EGL4-30K_CRI90_LENS(고효율)

5. Test Period : 260402 ~ 260402

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		0.4380 , 0.4036	
Correlated Color Temperature	K	2979	
Ra		91.5	
Power Factor		1.000	
Input Voltage	V	23.969	
Input Current	A	0.167	
Input Watt	W	3.9953	
Lamp Flux	lm	284.8	
Efficient	lm/W	71.28	
luminous Intensity (Max , Center)	cd	193 , 193	
Illuminance	lx	193	1 m
		48	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)

2Filename 260402 EGL4-30K_CRI90_LENS(고효율).jdt

Lamp flux (lm) 285

Current (A)

0.1Operator

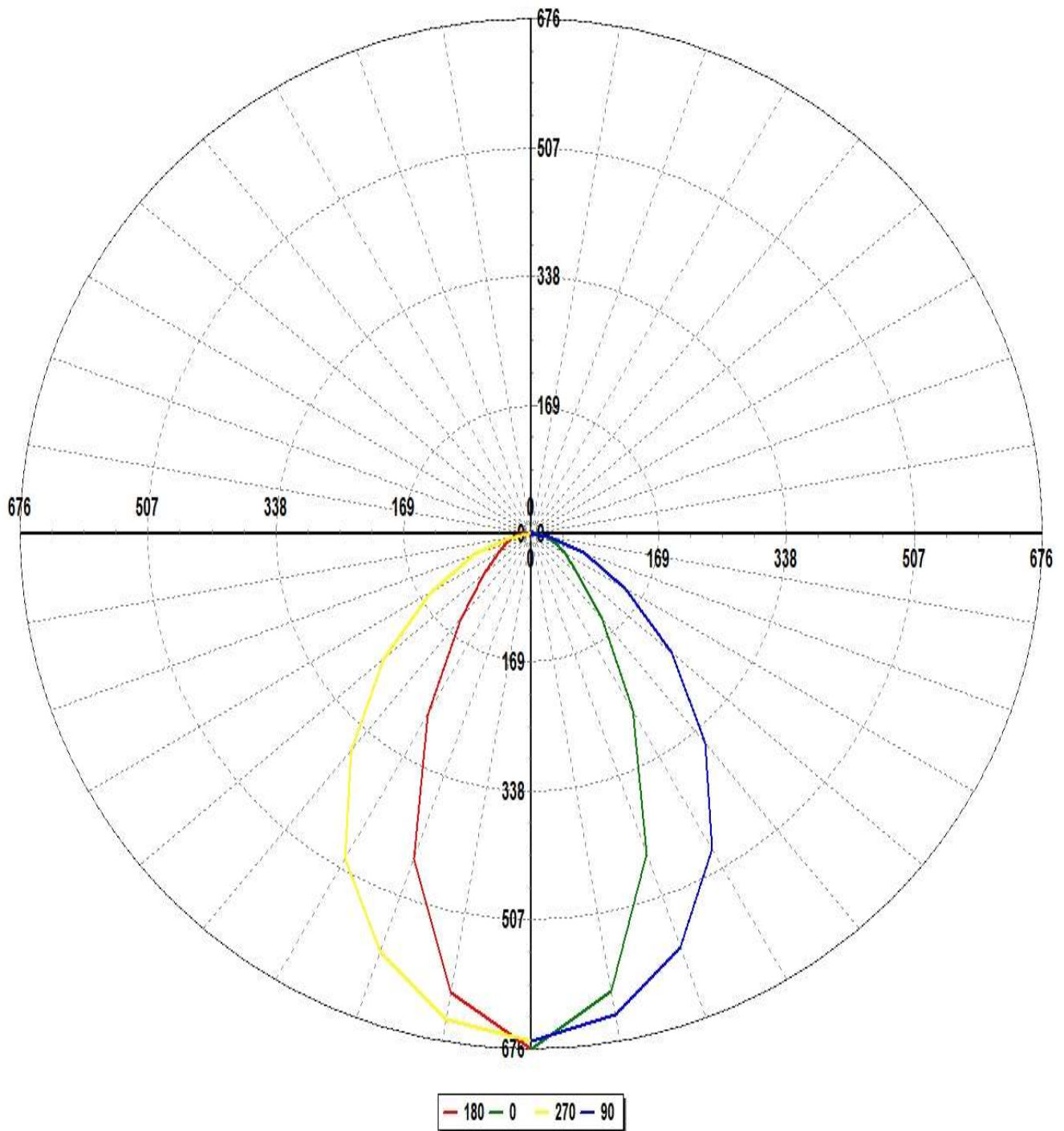
Total flux (lm) 285

Power Factor

0Date

2026-04-02 오후 6:04:04

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

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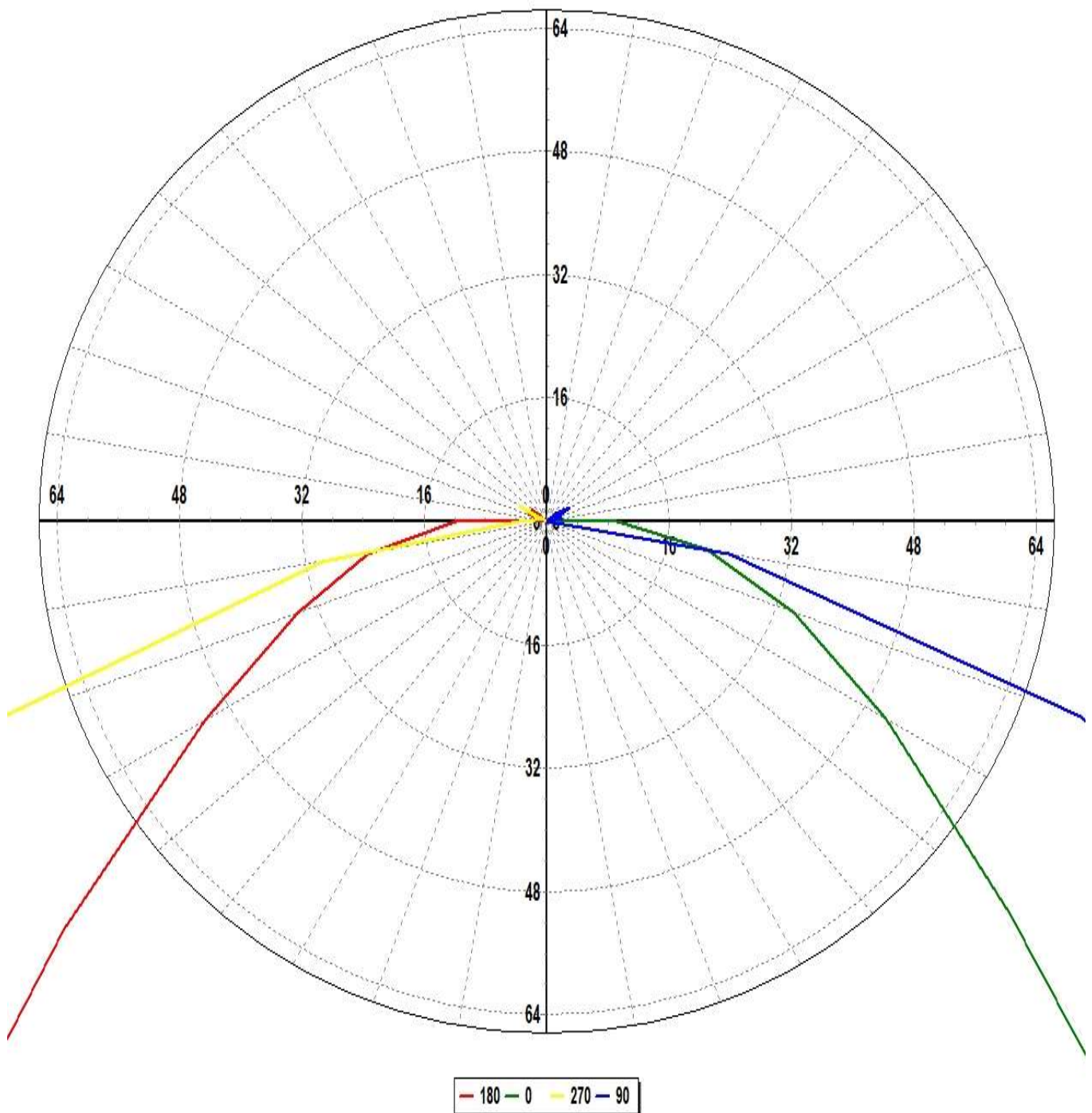
Total flux (lm) 285

Power Factor

0Date

2026-04-02 오후 6:04:04

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

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KH FEELUX

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Current (A)

0.1Operator

Total flux (lm) 285

Power Factor

0Date

2026-04-02 오후 6:04:04

Luminous Intensity Data

Maximum (cd) : 193

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	192.55	191.73	190.01	189.49	188.35	188.27	192.55	191.73	190.01	189.49	188.35
10	173.6	175.81	182.85	182.36	173.18	162.88	173.95	176.19	179.98	184.39	184.57
20	127.31	136.48	157.77	164.62	146.6	118.62	129.12	137.44	152.09	166.61	162.91
30	76.39	88.45	123.04	136.43	108.7	74.75	77.95	90.19	117.09	139.95	128.01
40	41.26	51.06	84.57	101.92	72.92	43	41.67	52.52	79.72	105.72	91.08
50	22.5	29.4	52.85	68.96	44.87	25.89	23.46	28.85	49.88	72.51	56.85
60	14.58	17.33	31.18	40.8	26.63	15.1	14.67	17.58	28.68	43.94	33.48
70	9.81	11.04	16.82	21.16	13.82	9.39	9.87	10.93	15.19	22.79	17.86
80	6.07	6.6	7.49	6.88	5.62	5.4	6.77	6.27	7.21	8.49	8.49
90	2.63	2.11	1.86	-0.39	0.96	1.06	3.38	3	1.57	1.02	2.41
100	-0.19	0.91	0.38	0.6	1.03	-0.35	-0.04	-0.28	0.39	0.44	0.4
110	-0.13	0.04	0.89	0.32	0.58	0.44	0.76	0.37	0.2	0.24	0.38
120	0.49	0.56	1.2	0.99	1.5	0.34	0.41	0.1	1.24	1.18	1.65
130	0.65	0.58	0.97	0.46	0.65	1.18	0.73	1.15	0.65	0.02	0.98

Luminaire KH FEELUX

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KH FEELUX

No. of lamps 1

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2\Filename 260402 EGL4-30K_CRI90_LENS(고효율).jdt

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Current (A)

0.1Operator

Total flux (lm) 285

Power Factor

0Date

2026-04-02 오후 6:04:04

Luminous Intensity Data (Continued)

Maximum (cd) : 193

Minimum (cd) : 0

G/C	330	360
0	188.27	192.55
10	182.51	173.6
20	148.05	127.31
30	101.89	76.39
40	60.34	41.26
50	33.49	22.5
60	19.97	14.58
70	13.74	9.81
80	8.18	6.07
90	3.7	2.63
100	-0.35	-0.19
110	0.36	-0.13
120	0.75	0.49
130	0.22	0.65

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	2Filename 260402 EGL4-30K_CRI90_LENS(고효율).jdt
Lamp flux (lm)	285	Current (A)	0.1Operator
Total flux (lm)	285	Power Factor	0Date3
		2026-04-02 오후 6:04:04	

Luminous Flux Table

Total Lamp Lumens: 284.80

Luminaire Efficiency (lm/W): 71.28

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.54	4.54	1.60	1.60
10	33.79	38.34	13.46	13.46
20	54.55	92.89	32.62	32.62
30	57.63	150.52	52.85	52.85
40	48.44	198.97	69.86	69.86
50	35.62	234.59	82.37	82.37
60	24.02	258.61	90.81	90.81
70	14.79	273.40	96.00	96.00
80	7.50	280.90	98.63	98.63
90	2.13	283.03	99.38	99.38
100	0.27	283.30	99.47	99.47
110	0.38	283.68	99.61	99.61
120	0.82	284.50	99.90	99.90
130	0.30	284.80	100.00	100.00

Luminaire KH FEELUX

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Current (A)

0.1Operator

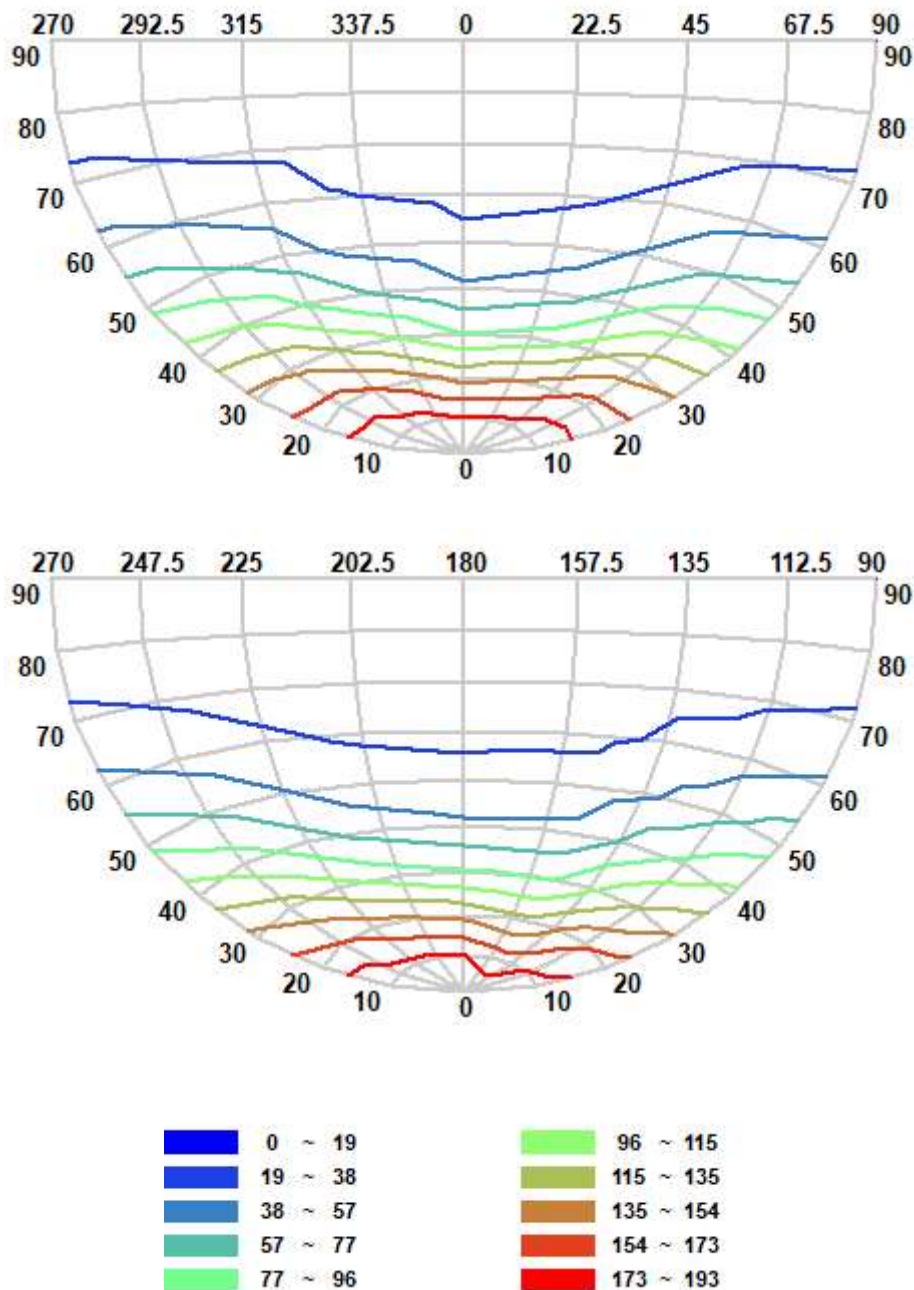
Total flux (lm) 285

Power Factor

0Date

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IsoCandela (Type C)



Luminaire KH FEELUX

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Lamp flux (lm) 285

Current (A)

0.1Operator

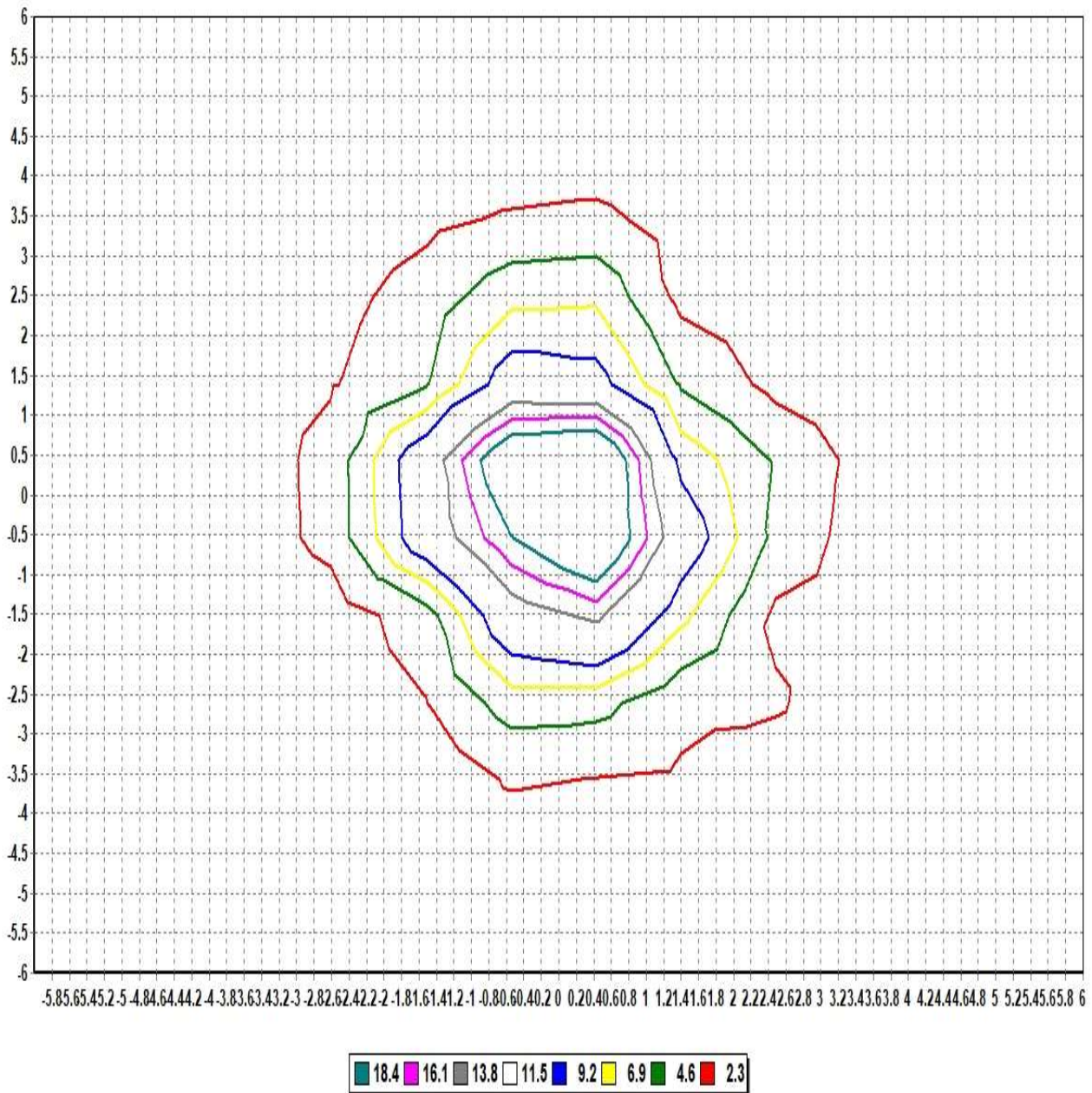
Total flux (lm) 285

Power Factor

0Date

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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

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Lamp flux (lm) 285

Current (A)

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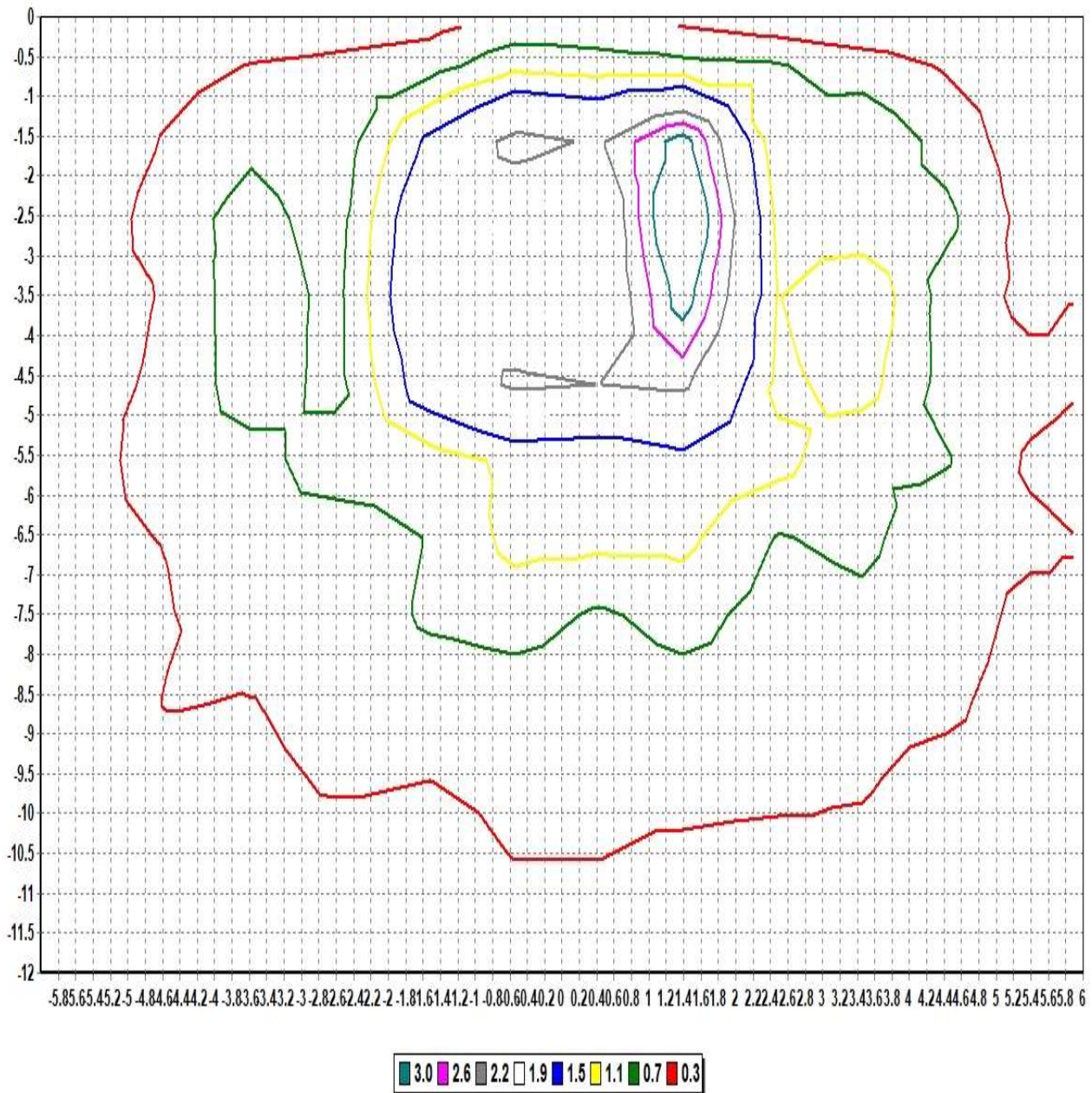
Total flux (lm) 285

Power Factor

0Date

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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)	23.969
Lamp flux (lm)	285	Current (A)	0.16676
Total flux (lm)	285	Power Factor	0.9996

Report

KH FEELUX

Filename 260402 EGL4-30K_CRI90_LENS(고효율).jdt

Operator

Date 2026-04-02 오후 6:04:04

Illuminance Levels (Ground)

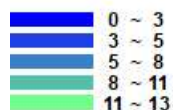
6.00	0.11	0.17	0.13	0.12	0.18	0.22	0.28	0.25	0.13	0.09	0.10	0.12	0.06
5.00	0.09	0.12	0.19	0.31	0.55	0.76	0.95	0.81	0.38	0.24	0.15	0.07	0.07
4.00	0.06	0.10	0.51	0.87	0.58	0.98	1.25	1.00	0.39	0.65	0.24	0.09	0.06
3.00	0.11	0.13	0.41	0.84	2.60	2.09	3.10	1.49	2.09	0.39	0.33	0.12	0.09
2.00	0.13	0.42	0.52	1.21	3.08	4.86	8.11	3.53	1.51	1.08	0.35	0.29	0.10
1.00	0.11	0.31	0.41	1.45	4.44	12.43	20.56	8.97	3.22	1.04	0.47	0.38	0.14
0.00	0.11	0.32	0.44	1.11	3.86	19.51	26.41	19.47	3.80	1.08	0.43	0.31	0.11
-1.00	0.11	0.32	0.41	1.05	3.30	9.12	20.79	13.47	5.57	1.85	0.46	0.34	0.12
-2.00	0.10	0.29	0.35	1.09	1.53	3.57	8.37	5.90	3.48	1.63	0.65	0.54	0.17
-3.00	0.09	0.12	0.34	0.40	1.98	1.44	3.25	2.42	2.76	0.96	0.53	0.17	0.14
-4.00	0.06	0.09	0.24	0.62	0.38	1.01	1.33	0.99	0.71	0.95	0.58	0.14	0.09
-5.00	0.07	0.07	0.14	0.22	0.37	0.82	1.00	0.75	0.65	0.33	0.22	0.14	0.11
-6.00	0.06	0.11	0.09	0.09	0.13	0.25	0.30	0.22	0.21	0.15	0.14	0.19	0.13
-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.) : 26.413

Illum. (Min.) : 0.0560

Illum. (Avg.) : 1.7553

All illuminance level values are in lux.



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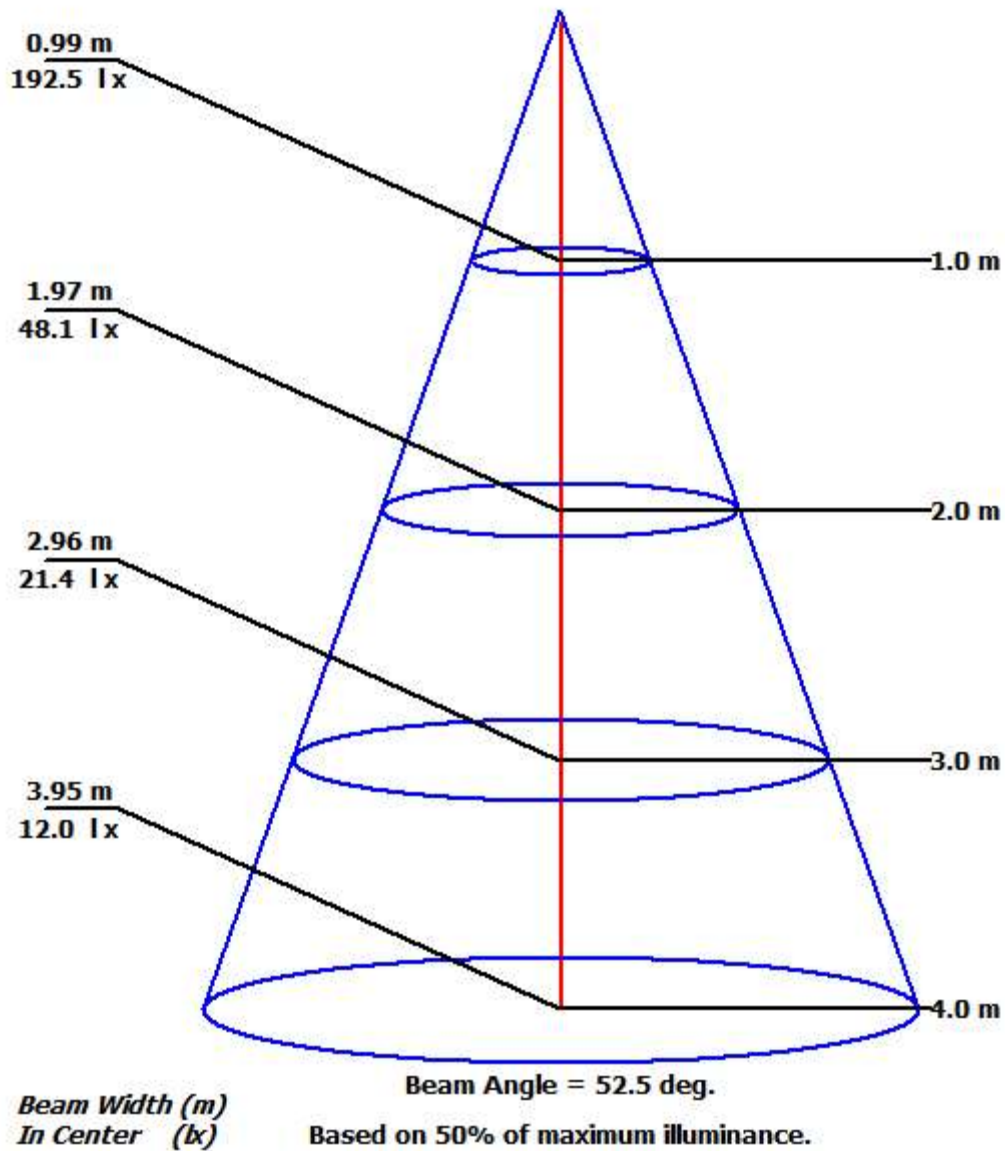
Total flux (lm) 285

Power Factor

0Date

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.969

Filename 260402 EGL4-30K_CRI90_LENS(고효율).jdt

Lamp flux (lm) 285 Current (A) 0.16676

Operator

Total flux (lm) 285 Power Factor 0.9996

Date 2026-04-02 오후 6:04:04

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