

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_DIFUSSER(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		0.3944 , 0.3932	
Correlated Color Temperature	K	3766	
Ra		93.85	
Power Factor		1.000	
Input Voltage	V	23.940	
Input Current	A	0.362	
Input Watt	W	8.666	
Lamp Flux	lm	436.5	
Efficient	lm/W	50.37	
luminous Intensity (Max , Center)	cd	150 , 150	
Illuminance	lx	150	1 m
		37	2 m
		17	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)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

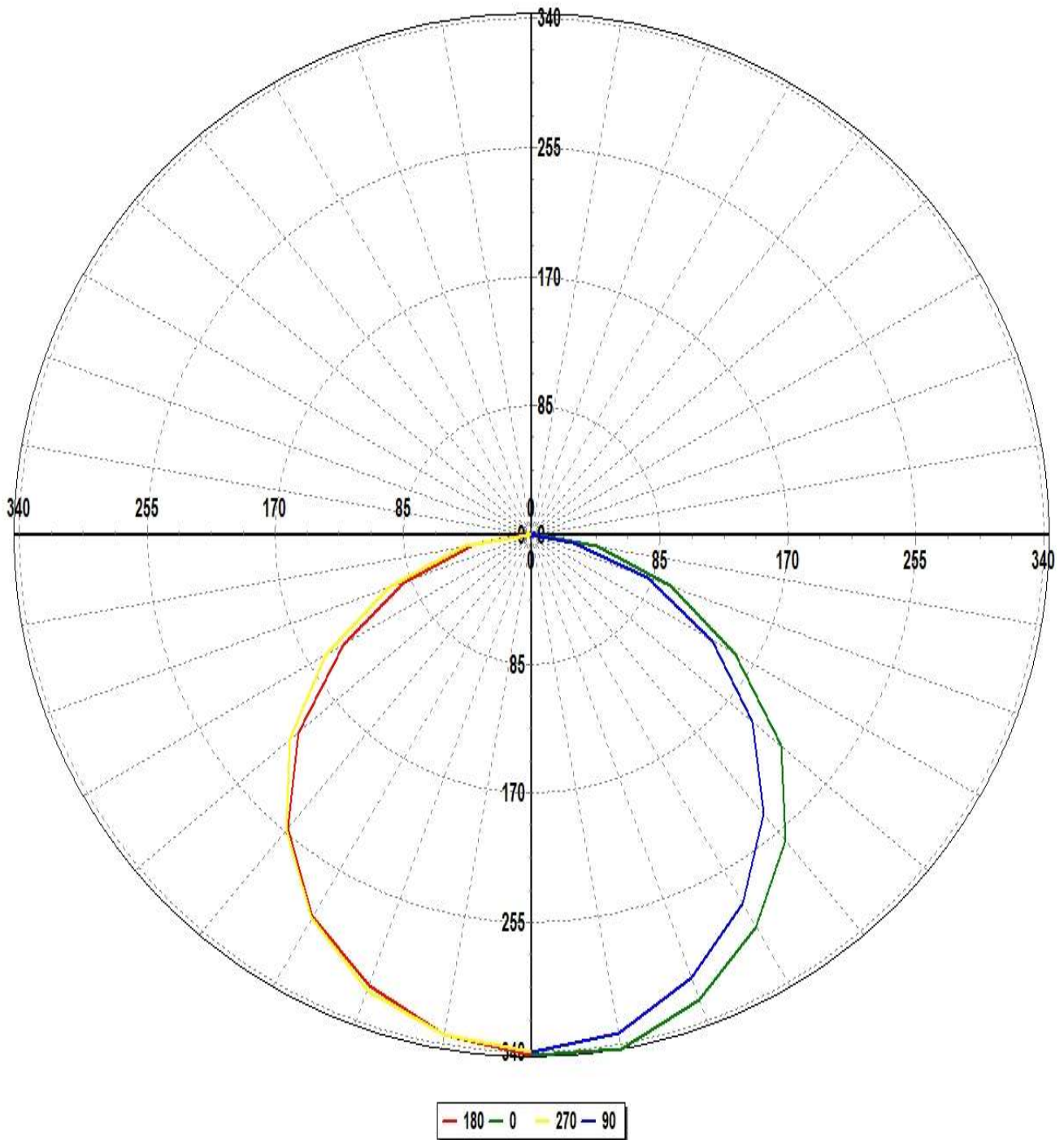
Total flux (lm) 437

Power Factor

Date 999

2026-03-20 오후 3:13:35

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

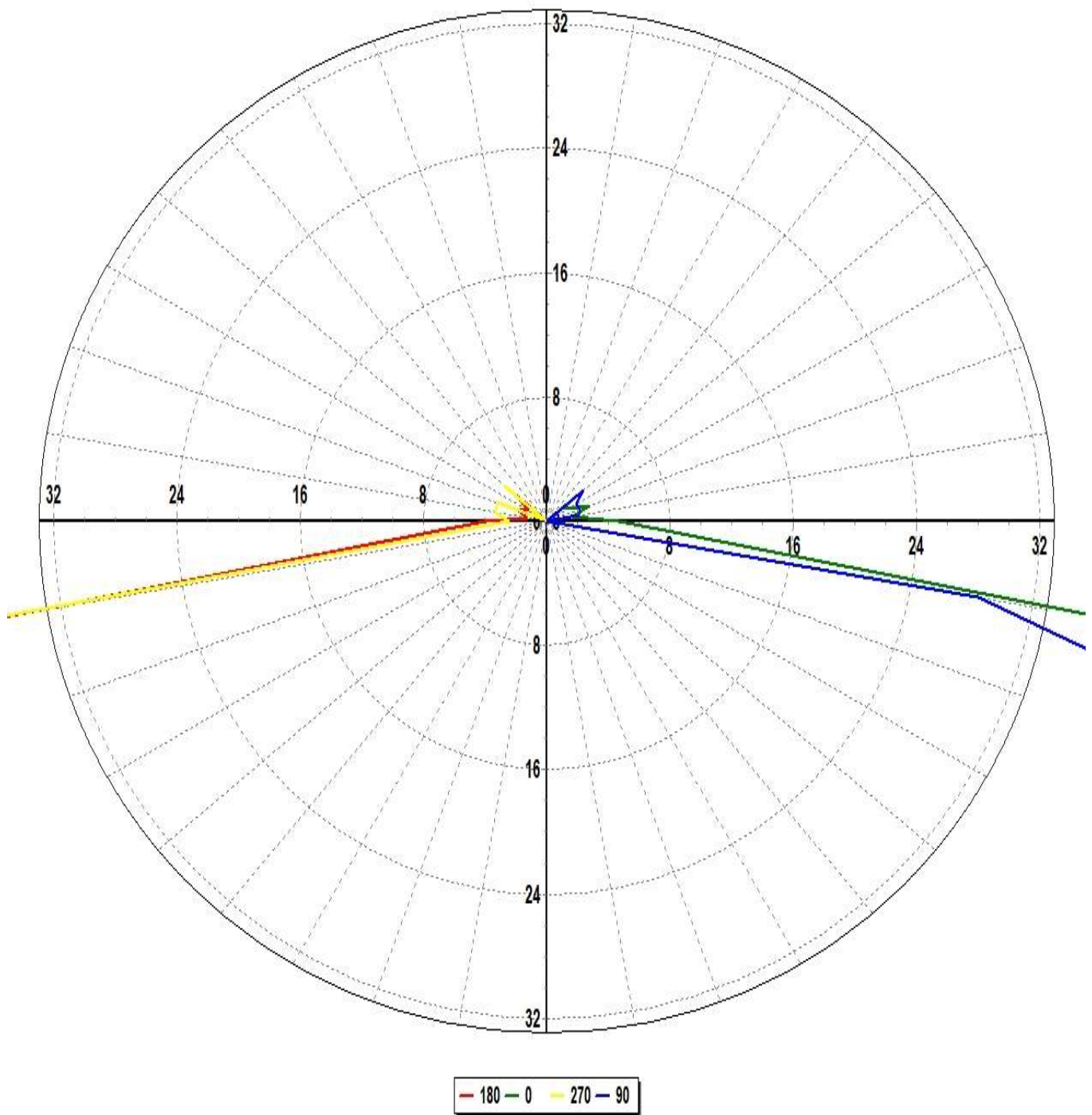
Total flux (lm) 437

Power Factor

Date 999

2026-03-20 오후 3:13:35

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

Total flux (lm) 437

Power Factor

Date1999

2026-03-20 오후 3:13:35

Luminous Intensity Data

Maximum (cd) : 150

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	149.31	148.88	149.09	148.33	147.32	147.71	149.31	148.88	149.09	148.33	147.32
10	149.91	147.8	146.62	145.3	143.06	142	145.82	145.95	144.39	145.57	146.43
20	141.95	141.06	139.26	135.51	133.38	133.4	137.72	137.19	137.81	139.24	141.54
30	130.06	129.83	126.74	122.18	120.4	119.98	126.66	125.2	124.91	127.19	131.79
40	114.55	113.72	110.46	104.49	102.51	102	109.83	109.61	108.96	110.7	115.93
50	94.33	93.31	90.46	83.55	81.6	81.19	88.25	90.3	89.7	91.49	96.76
60	68.11	69.31	68.42	60.47	59.89	55.93	62.8	65.31	67.95	68.75	76.2
70	42.64	43.02	43.65	35.74	34.55	31.69	39.23	40.21	42.43	43.75	52.18
80	19.12	19.3	18.23	12.39	12.4	10.04	16.99	18.32	19.27	19.57	25.57
90	2.03	2.45	0.3	-0.69	0.44	0.6	1.71	2.02	1.16	1.06	3.44
100	0.75	0.87	0.63	0.92	0.41	1.24	0.56	0.73	0.32	1.51	0.67
110	1.3	0.94	0.5	1	0.81	0.68	0.86	0.45	0.35	1.48	0.78
120	0.74	1.35	0.75	0.96	1.55	1.52	0.6	1.21	1.16	0.09	1.04
130	0.55	1.42	0.66	1.36	1.48	0.59	1.13	1.05	1.15	1.58	1.16

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

Total flux (lm) 437

Power Factor

Date1999

2026-03-20 오후 3:13:35

Luminous Intensity Data (Continued)

Maximum (cd) : 150

Minimum (cd) : -1

G/C	330	360
0	147.71	149.31
10	148.17	149.91
20	144.46	141.95
30	133.81	130.06
40	118.52	114.55
50	100.94	94.33
60	78.28	68.11
70	51.77	42.64
80	27.71	19.12
90	5.68	2.03
100	-0.44	0.75
110	0.31	1.3
120	1.29	0.74
130	0.5	0.55

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

Total flux (lm) 437

Power Factor

Date1999

2026-03-20 오후 3:13:35

Luminous Flux Table

Total Lamp Lumens: 436.46

Luminaire Efficiency (lm/W): 50.36

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.55	3.55	0.81	0.81
10	27.75	31.30	7.17	7.17
20	51.90	83.20	19.06	19.06
30	69.31	152.51	34.94	34.94
40	77.51	230.02	52.70	52.70
50	75.64	305.66	70.03	70.03
60	63.35	369.01	84.54	84.55
70	42.96	411.97	94.38	94.39
80	19.68	431.64	98.89	98.90
90	1.84	433.48	99.31	99.32
100	0.73	434.22	99.48	99.49
110	0.81	435.03	99.66	99.67
120	0.97	436.00	99.88	99.90
130	0.46	436.46	99.99	100.00

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

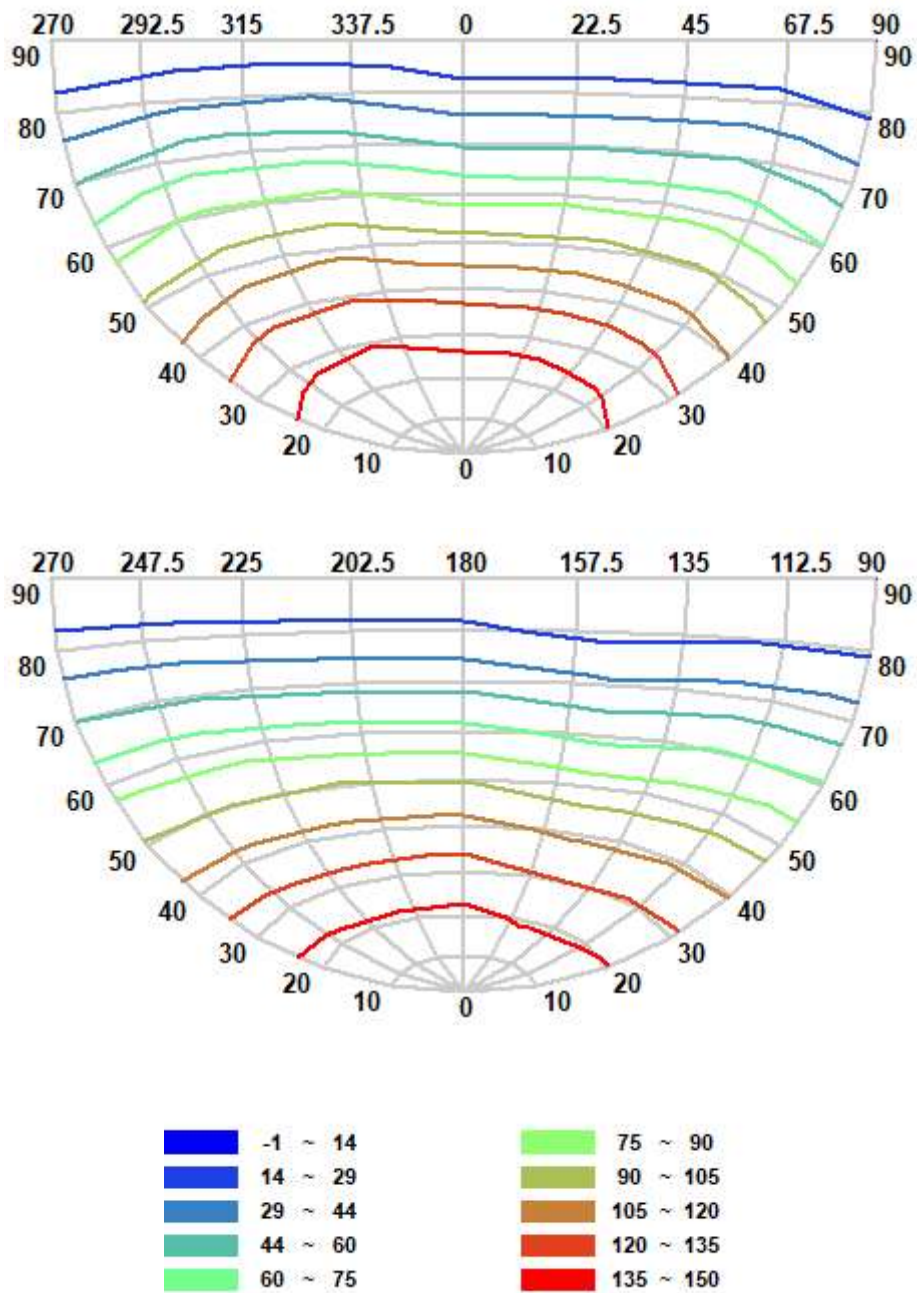
Total flux (lm) 437

Power Factor

Date 999

2026-03-20 오후 3:13:35

IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

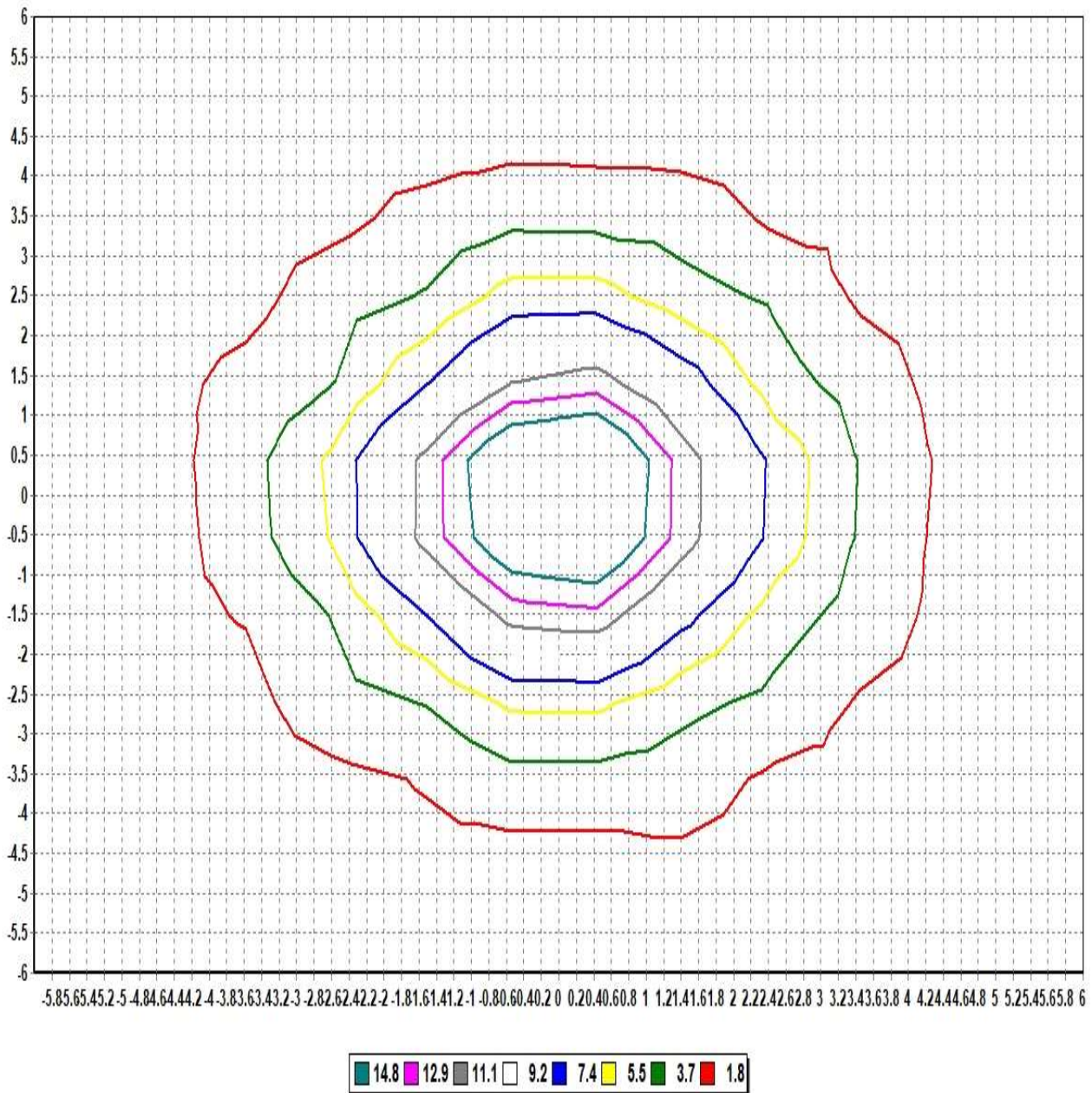
Total flux (lm) 437

Power Factor

Date 999

2026-03-20 오후 3:13:35

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)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

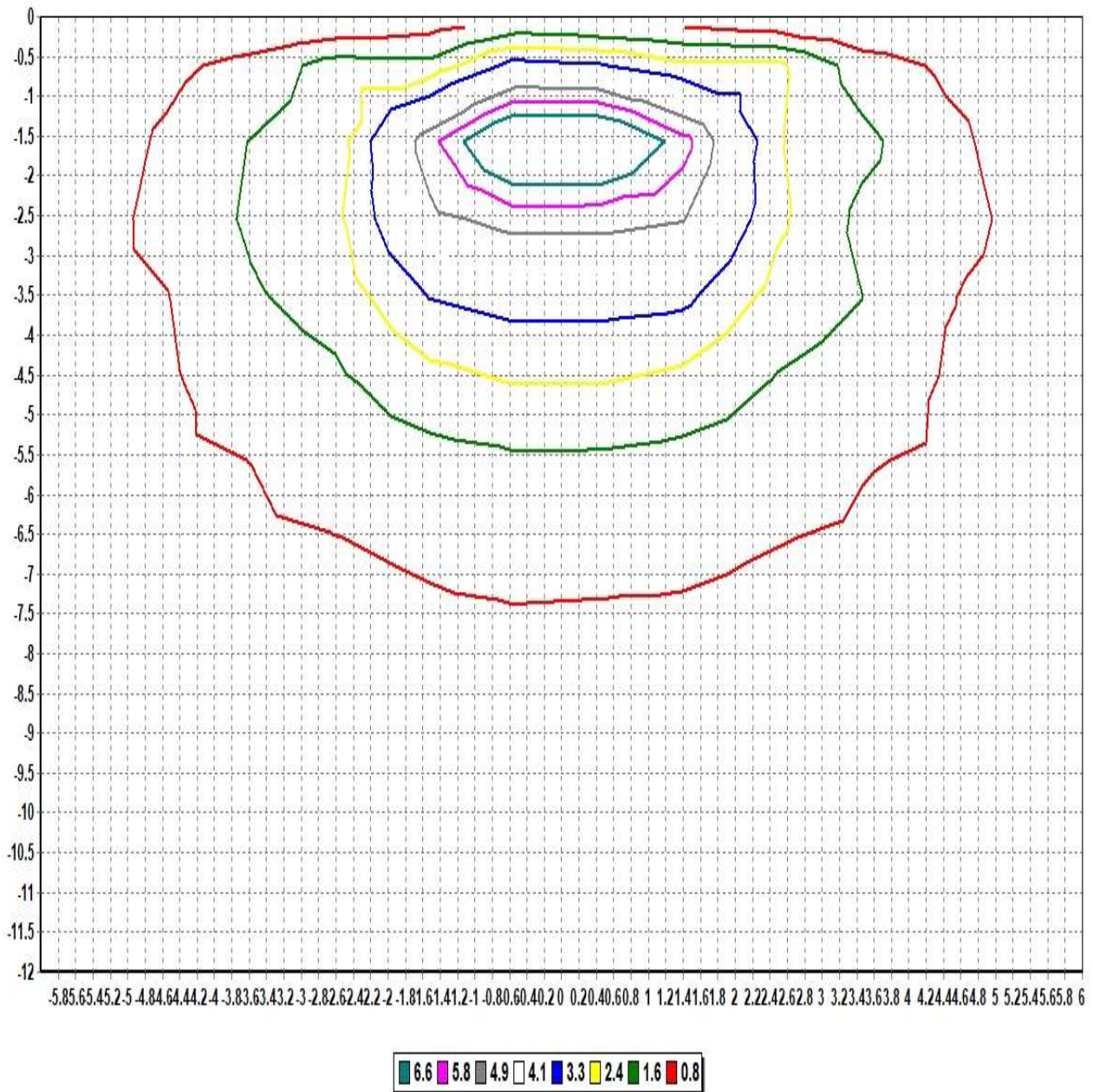
Total flux (lm) 437

Power Factor

Date 1999

2026-03-20 오후 3:13:35

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)	23.94
Lamp flux (lm)	437	Current (A)	0.362
Total flux (lm)	437	Power Factor	0.9999

Report

KH FEELUX

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Operator

Date 2026-03-20 오후 3:13:35

Illuminance Levels (Ground)

6.00	0.21	0.28	0.22	0.28	0.36	0.47	0.44	0.44	0.43	0.34	0.27	0.32	0.24
5.00	0.26	0.23	0.34	0.49	0.92	1.17	1.17	1.14	1.05	0.57	0.41	0.28	0.32
4.00	0.20	0.32	0.80	1.17	1.18	1.62	1.68	1.61	1.36	1.29	0.91	0.40	0.26
3.00	0.28	0.44	1.14	1.40	2.88	3.13	3.60	3.50	3.09	1.59	1.32	0.56	0.34
2.00	0.34	0.91	1.17	2.82	4.08	6.48	7.87	7.14	4.57	3.19	1.36	1.05	0.42
1.00	0.42	1.13	1.53	3.10	6.46	11.86	16.40	12.65	7.17	3.56	1.83	1.31	0.54
0.00	0.47	1.24	1.75	3.80	8.23	16.47	20.48	16.93	8.54	4.04	1.89	1.33	0.51
-1.00	0.40	1.10	1.52	3.40	6.91	12.27	16.44	12.59	7.32	3.73	1.82	1.29	0.51
-2.00	0.39	1.00	1.28	3.04	4.37	6.90	8.29	7.26	4.57	3.33	1.49	1.12	0.50
-3.00	0.32	0.52	1.24	1.49	3.04	3.42	3.91	3.59	3.11	1.65	1.42	0.66	0.41
-4.00	0.24	0.37	0.85	1.27	1.29	1.70	1.87	1.70	1.47	1.31	0.93	0.48	0.31
-5.00	0.29	0.26	0.39	0.56	1.01	1.21	1.29	1.21	1.09	0.57	0.43	0.31	0.36
-6.00	0.22	0.31	0.26	0.32	0.41	0.49	0.51	0.48	0.47	0.40	0.27	0.33	0.26
-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.) : 20.481

Illum. (Min.) : 0.1971

Illum. (Avg.) : 2.4195

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437

Current (A)

Operator

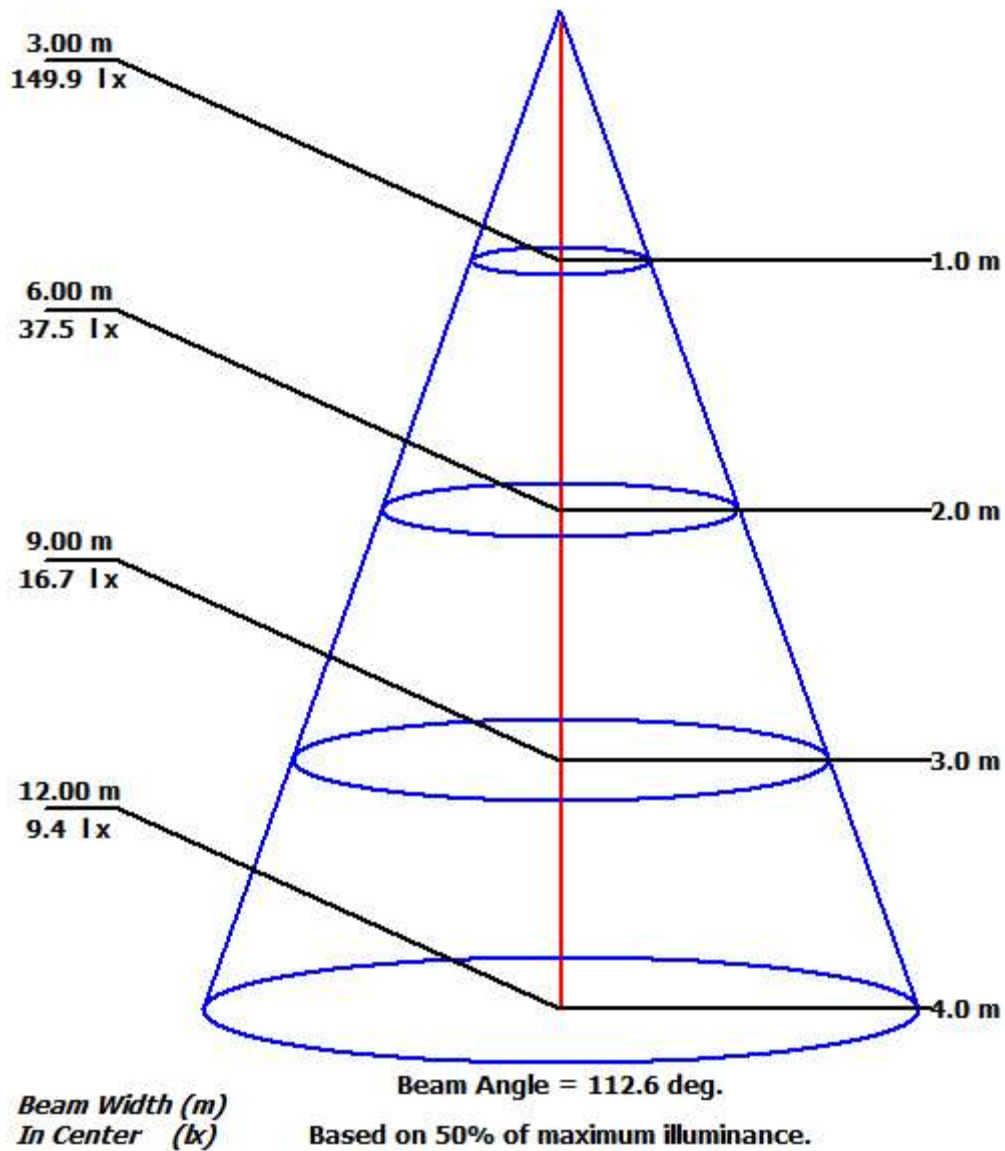
Total flux (lm) 437

Power Factor

Date 1999

2026-03-20 오후 3:13:35

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.94

Filename 260320 EGL7-40K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 437 Current (A) 0.362

Operator

Total flux (lm) 437 Power Factor 0.9999

Date 2026-03-20 오후 3:13:35

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