

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 EGL11-R-30K_CRI90_DIFUSSER(일반)

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		0.4413 , 0.4036	
Correlated Color Temperature	K	2925	
Ra		93.56	
Power Factor		1.000	
Input Voltage	V	23.917	
Input Current	A	0.561	
Input Watt	W	13.407	
Lamp Flux	lm	507.6	
Efficient	lm/W	37.86	
luminous Intensity (Max , Center)	cd	163 , 163	
Illuminance	lx	163	1 m
		41	2 m
		18	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 EGL11-R-30K_CRI90_DIFUSSER(일반).jdt

Lamp flux (lm) 508

Current (A)

Operator 59

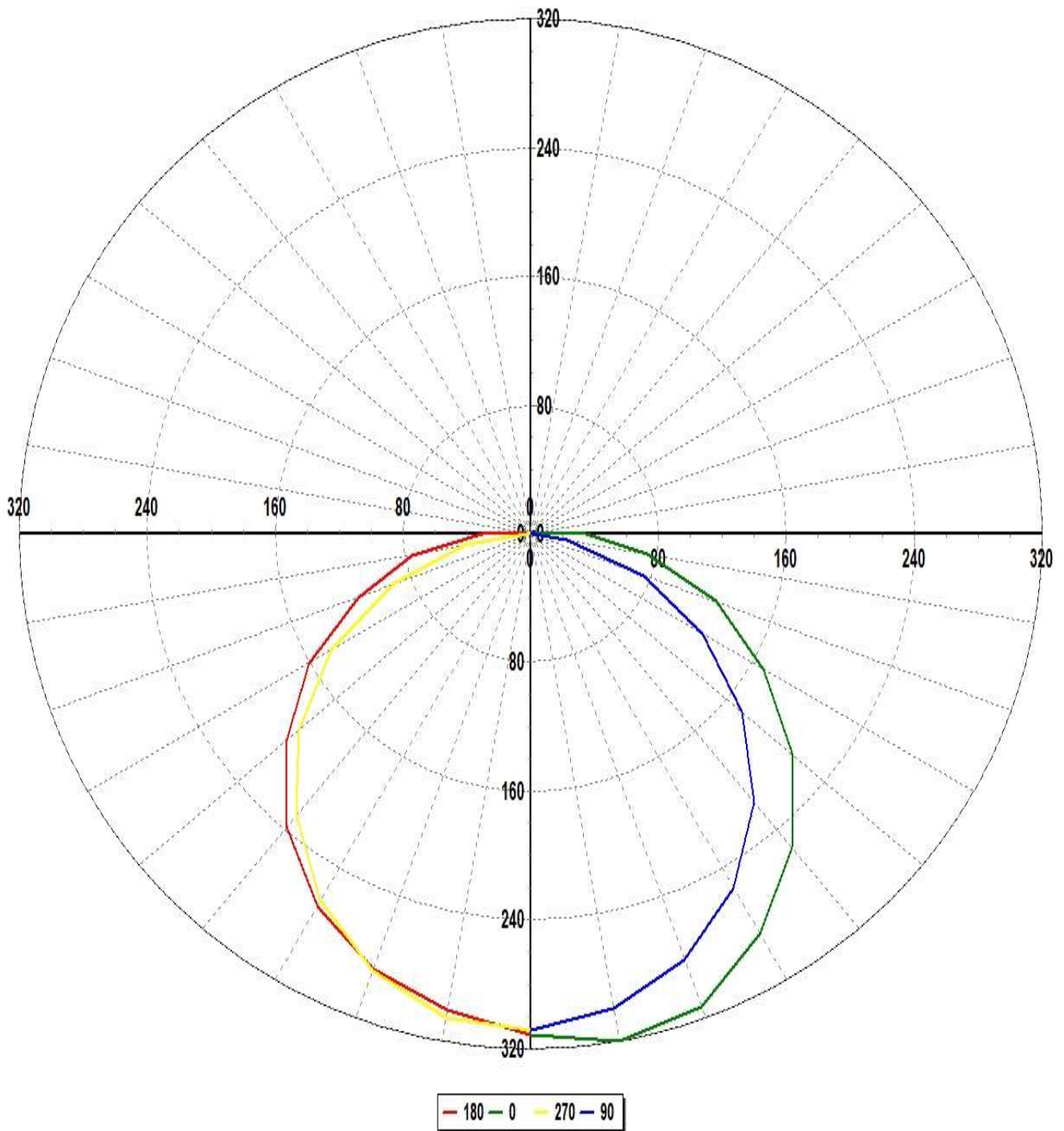
Total flux (lm) 508

Power Factor

Date 1

2026-03-20 오후 4:24:35

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

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Filename '260320 EGL11-R-30K_CRI90_DIFUSSER(일반).jdt

Lamp flux (lm) 508

Current (A)

Operator59

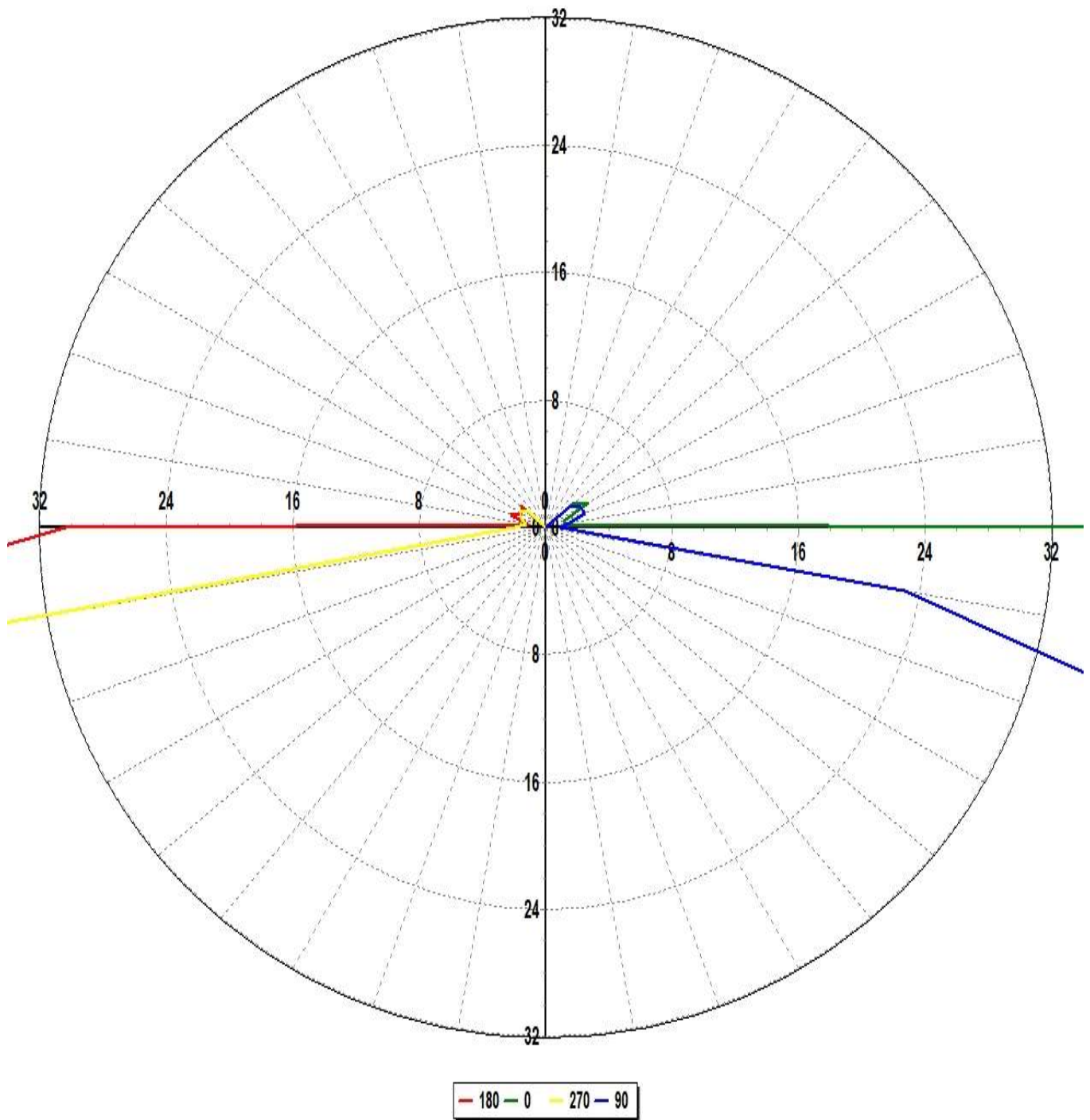
Total flux (lm) 508

Power Factor

Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 508

Current (A)

Operator 59

Total flux (lm) 508

Power Factor

Date 1

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Luminous Intensity Data

Maximum (cd) : 163

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	158.17	158	157.92	156.46	155.82	155.98	158.17	158	157.92	156.46	155.82
10	162.51	161.11	157.25	152.24	150.61	150.05	152.59	152.36	152.86	154.95	157.63
20	158.96	157.39	152.44	142.82	141.36	141.96	146.09	146.12	145.22	146.98	153.74
30	145.63	144.04	139.86	128.83	127.21	129.05	135.63	135.01	133.15	133.74	143.52
40	129.02	126.51	121.2	110.38	110.42	112.9	120.61	119.76	116.74	116.01	127.79
50	108.76	105.99	99.73	87.56	90.18	93.44	101.27	101.22	97.07	96.17	106.09
60	85.31	82.43	75.45	63.01	67.84	71.68	81.45	80.09	75.41	73.1	82.99
70	62.59	58.59	49.58	38.25	43.88	48.15	58.42	57.7	51.42	46.42	58.88
80	37.53	36.05	26.81	11.7	21.71	24.35	38.44	35.27	28.78	21.25	34.44
90	17.56	13.65	6.38	0.48	3.94	8.61	15.43	13.47	6.89	0.98	10.97
100	0.64	0.78	0.86	0.78	0.81	0.85	0.58	0.55	0.81	0.65	0.02
110	0.62	1.33	1.01	1.33	0.8	0.92	1.2	1.51	0.53	0.84	0.94
120	1.59	0.28	0.47	1.31	0.9	0.89	0.9	0.5	1.96	0.95	1.4
130	1.13	0.92	1.28	1.05	1.01	0.91	1.05	1.24	1.2	0.73	1.28

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Lamp flux (lm) 508

Current (A)

Operator 59

Total flux (lm) 508

Power Factor

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2026-03-20 오후 4:24:35

Luminous Intensity Data (Continued)

Maximum (cd) : 163

Minimum (cd) : 0

G/C	330	360
0	155.98	158.17
10	160.18	162.51
20	158.84	158.96
30	148.77	145.63
40	133.3	129.02
50	112.57	108.76
60	90.18	85.31
70	66.75	62.59
80	44.56	37.53
90	19.15	17.56
100	0.93	0.64
110	0.34	0.62
120	0.58	1.59
130	1.59	1.13

Luminaire KH FEELUX

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Current (A)

Operator 59

Total flux (lm) 508

Power Factor

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Luminous Flux Table

Total Lamp Lumens: 507.60

Luminaire Efficiency (lm/W): 37.86

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.76	3.76	0.74	0.74
10	29.55	33.30	6.56	6.56
20	55.94	89.24	17.58	17.58
30	75.04	164.28	32.36	32.36
40	84.75	249.04	49.06	49.06
50	83.90	332.94	65.59	65.59
60	73.42	406.36	80.06	80.06
70	54.94	461.31	90.88	90.88
80	32.44	493.74	97.27	97.27
90	10.72	504.47	99.38	99.38
100	0.74	505.21	99.53	99.53
110	0.98	506.19	99.72	99.72
120	0.93	507.11	99.90	99.90
130	0.48	507.60	100.00	100.00

Luminaire KH FEELUX

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Current (A)

Operator 59

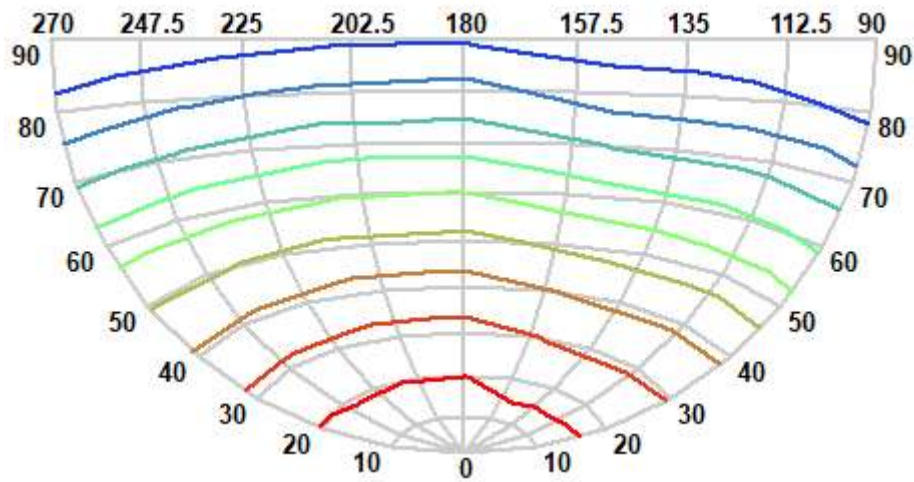
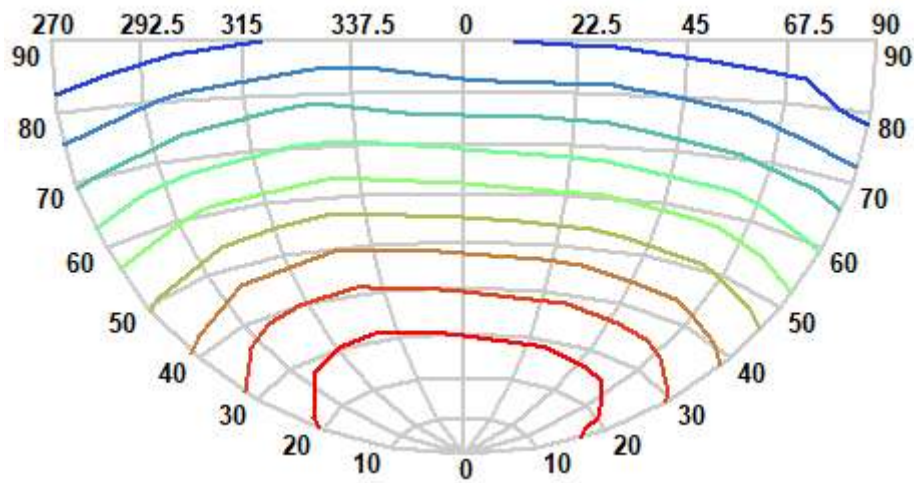
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IsoCandela (Type C)



0 ~ 16
16 ~ 33
33 ~ 49
49 ~ 65
65 ~ 81

81 ~ 98
98 ~ 114
114 ~ 130
130 ~ 146
146 ~ 163

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Lamp flux (lm) 508

Current (A)

Operator59

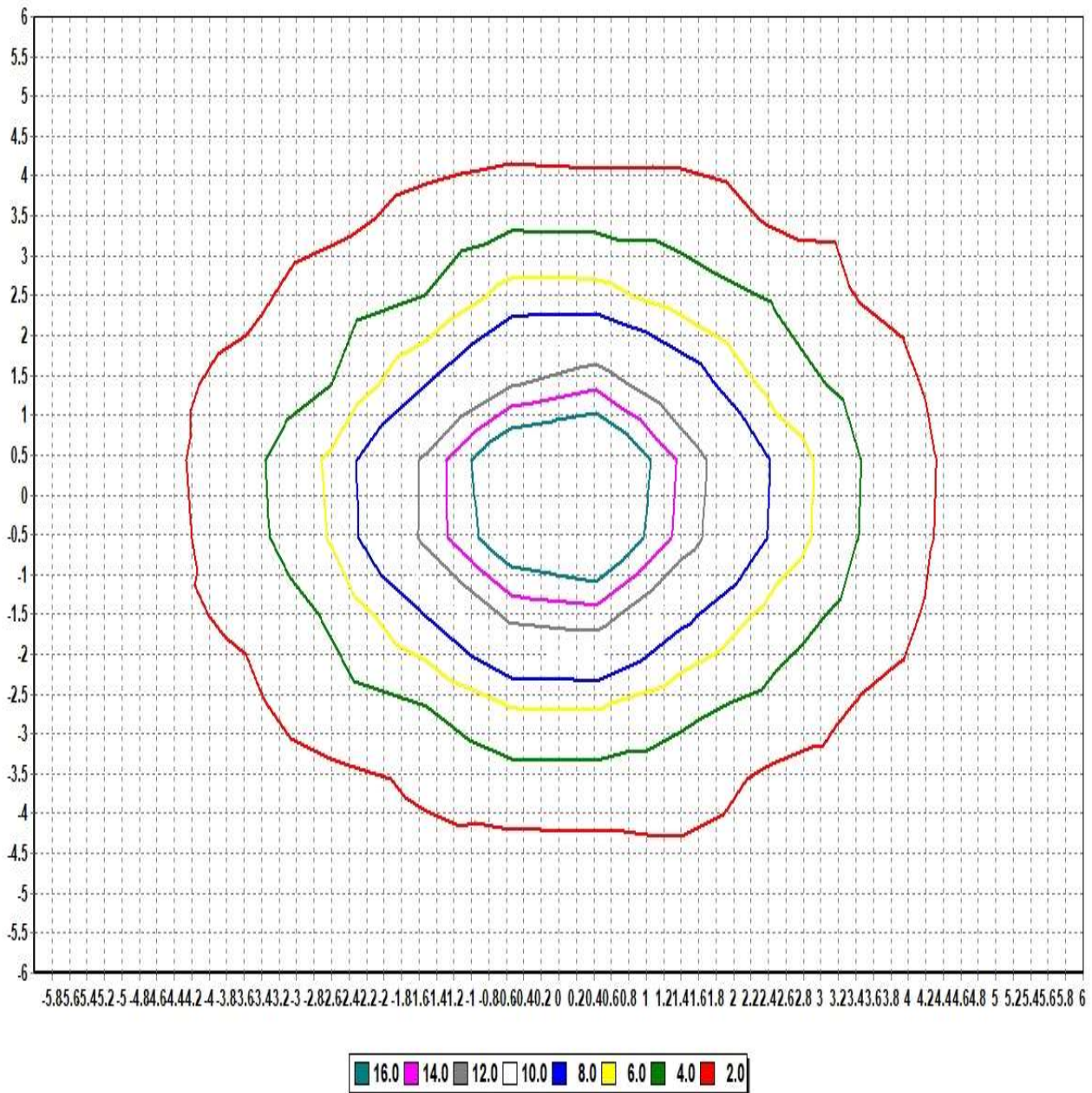
Total flux (lm) 508

Power Factor

Date 1

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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

Voltage (V)

Filename '260320 EGL11-R-30K_CRI90_DIFUSSER(일반).jdt

Lamp flux (lm) 508

Current (A)

Operator59

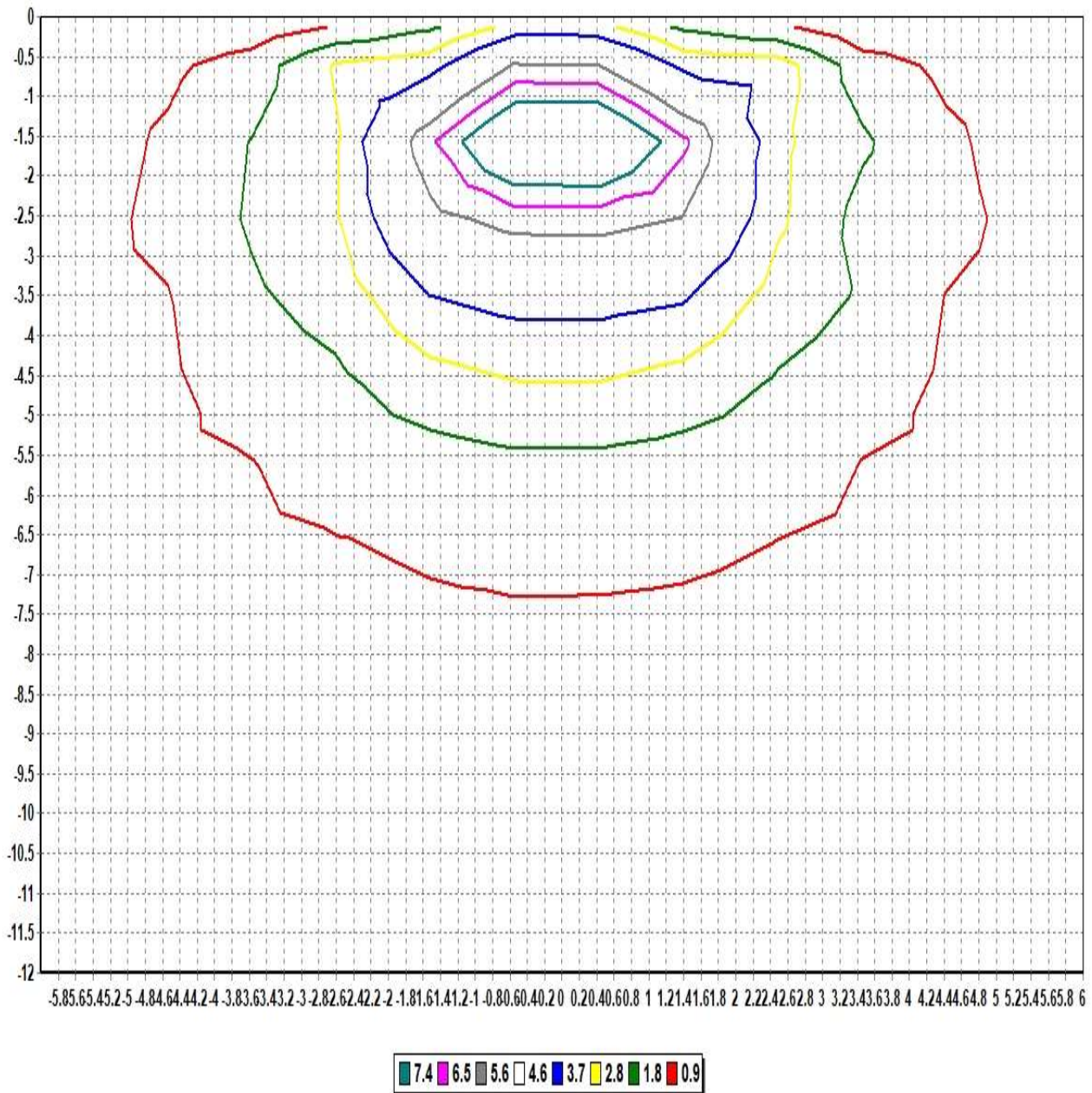
Total flux (lm) 508

Power Factor

Date 1

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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)	23.917
Lamp flux (lm)	508	Current (A)	0.56059
Total flux (lm)	508	Power Factor	1

Report

KH FEELUX

Filename 260320 EGL11-R-30K_CRI90_DIFUSSER(일반).jdt

Operator

Date 2026-03-20 오후 4:24:35

Illuminance Levels (Ground)

6.00	0.23	0.30	0.24	0.34	0.41	0.51	0.46	0.47	0.52	0.44	0.31	0.36	0.30
5.00	0.33	0.27	0.38	0.51	1.01	1.27	1.23	1.22	1.19	0.63	0.48	0.39	0.39
4.00	0.29	0.43	0.86	1.24	1.32	1.75	1.75	1.73	1.60	1.43	1.06	0.55	0.37
3.00	0.35	0.60	1.31	1.51	3.05	3.39	3.78	3.93	3.40	1.90	1.53	0.75	0.45
2.00	0.44	1.03	1.34	3.14	4.37	6.96	8.31	7.93	5.19	3.61	1.62	1.22	0.56
1.00	0.59	1.32	1.88	3.47	6.98	12.52	17.19	14.11	7.99	4.06	2.15	1.50	0.68
0.00	0.65	1.44	2.15	4.32	8.96	17.24	21.70	18.37	9.59	4.63	2.28	1.54	0.68
-1.00	0.56	1.29	1.87	3.84	7.55	13.15	17.50	13.48	8.08	4.12	2.14	1.48	0.67
-2.00	0.54	1.16	1.56	3.38	4.89	7.52	8.70	7.96	4.91	3.72	1.64	1.24	0.58
-3.00	0.44	0.71	1.44	1.82	3.28	3.78	4.11	3.88	3.28	1.78	1.58	0.79	0.46
-4.00	0.35	0.52	1.01	1.39	1.55	1.84	1.98	1.84	1.60	1.39	1.00	0.57	0.40
-5.00	0.38	0.37	0.48	0.64	1.15	1.29	1.36	1.29	1.18	0.61	0.46	0.34	0.41
-6.00	0.29	0.36	0.32	0.44	0.52	0.53	0.55	0.55	0.51	0.44	0.29	0.35	0.28
-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.) : 21.696

Illum. (Min.) : 0.2283

Illum. (Avg.) : 2.6623

All illuminance level values are in lux.



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Lamp flux (lm) 508

Current (A)

Operator159

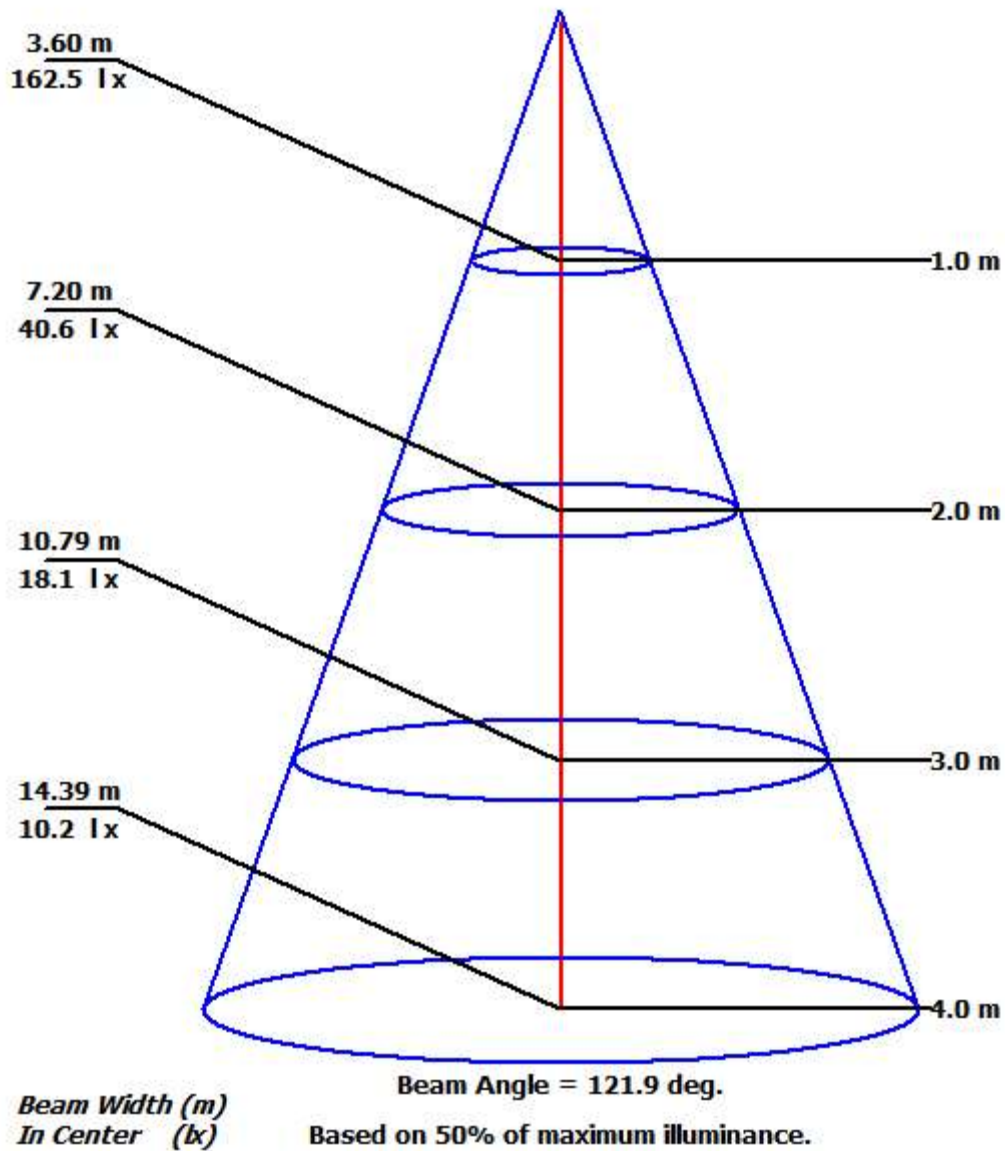
Total flux (lm) 508

Power Factor

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.917

Filename 260320 EGL11-R-30K_CRI90_DIFUSSER(일반).jdt

Lamp flux (lm) 508 Current (A) 0.56059

Operator

Total flux (lm) 508 Power Factor 1

Date 2026-03-20 오후 4:24:35

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