

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 EGL14-30K_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		0.4426 , 0.4093	
Correlated Color Temperature	K	2950	
Ra		91.35	
Power Factor		1.000	
Input Voltage	V	23.902	
Input Current	A	0.782	
Input Watt	W	18.692	
Lamp Flux	lm	946.3	
Efficient	lm/W	50.62	
luminous Intensity (Max , Center)	cd	319 , 319	
Illuminance	lx	319	1 m
		80	2 m
		35	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 EGL14-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 946

Current (A)

Operator1

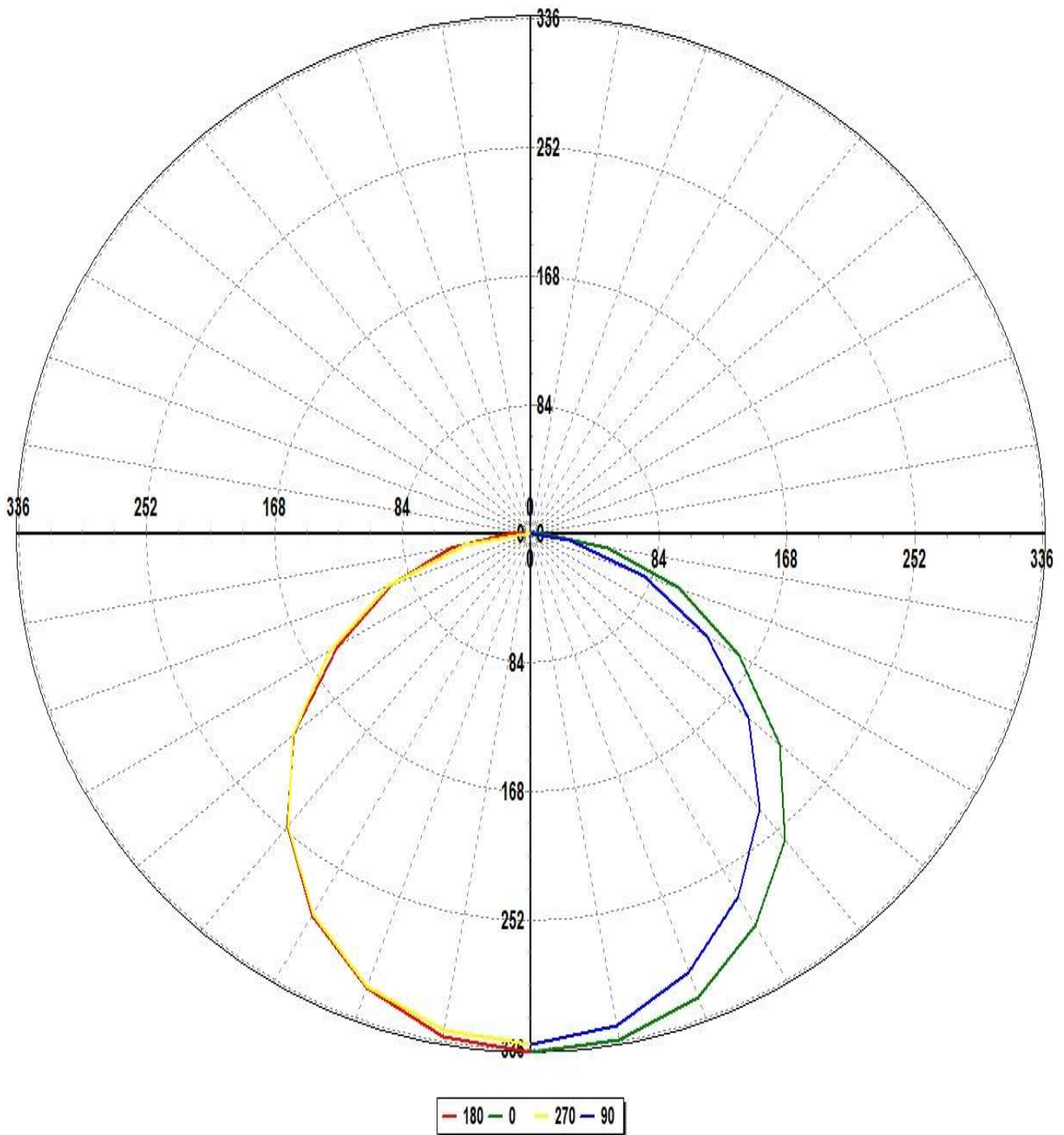
Total flux (lm) 946

Power Factor

Date 1

2026-03-20 오후 5:22:30

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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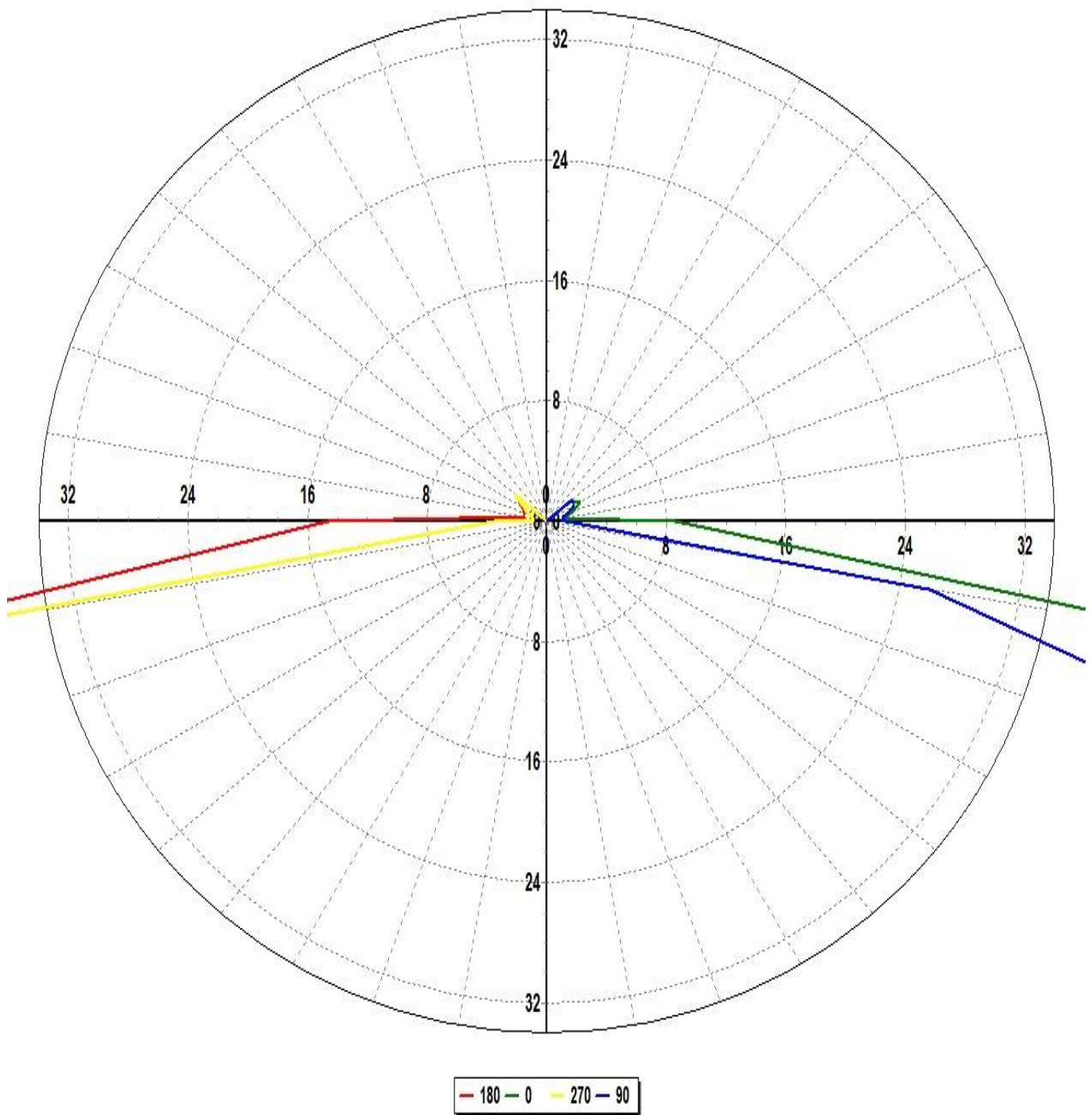
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Power Factor

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Operator1

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Power Factor

Date 1

2026-03-20 오후 5:22:30

Luminous Intensity Data

Maximum (cd) : 319

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	319.41	317.36	316.57	314.81	314.79	314.46	319.41	317.36	316.57	314.81	314.79
10	316.23	312.21	310.26	308.1	307.1	305.93	314.24	312.32	311.68	310.18	312.73
20	303.98	300.44	293.61	287.16	287.24	286.6	298.08	296.98	295.91	296.97	299.19
30	278.67	275.29	268.7	257.92	257.97	257.86	271.67	271.37	270.35	270.22	276.48
40	245.88	241.02	233.77	221.07	221.19	220.54	235.63	234.88	235.24	234.89	244.61
50	201.76	201.04	191.67	176.73	176.94	176.89	191.74	193.07	192.03	192.76	205.37
60	149.58	150.34	146.45	126.3	129.3	123.94	138.92	143.24	144.88	144.55	160.7
70	97.32	96.75	95.39	75.2	76.01	76.79	91.85	92.92	93.53	93.98	112.43
80	48.72	48.45	42.72	24.58	30.99	31.21	50.4	49.71	44.61	41.75	57.41
90	8.11	6.98	3.16	1.2	1.93	3.58	13.81	12.37	7.87	3.29	11.4
100	1.1	1.26	0.64	0.98	1.62	1.24	1.43	1.61	1.41	0.82	1.25
110	1.76	1.56	1.38	1.36	1.36	1.43	1.5	1.36	1.76	1.09	1.38
120	2.43	1.85	2.17	2.03	1.76	2.29	1.91	2.04	1.86	1.64	1.15
130	1.89	2.17	1.99	2.13	1.89	2.75	2.46	2.05	2.41	2.59	1.9

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Current (A)

Operator1

Total flux (lm) 946

Power Factor

Date 1

2026-03-20 오후 5:22:30

Luminous Intensity Data (Continued)

Maximum (cd) : 319

Minimum (cd) : 0

G/C	330	360
0	314.46	319.41
10	313.53	316.23
20	304.97	303.98
30	283.94	278.67
40	251.32	245.88
50	213.43	201.76
60	166.2	149.58
70	112.69	97.32
80	63.11	48.72
90	17.07	8.11
100	0.22	1.1
110	1.71	1.76
120	1.28	2.43
130	1.6	1.89

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Luminous Flux Table

Total Lamp Lumens: 946.28

Luminaire Efficiency (lm/W): 50.62

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.56	7.56	0.80	0.80
10	59.19	66.75	7.05	7.05
20	110.85	177.60	18.77	18.77
30	147.88	325.48	34.39	34.40
40	165.44	490.92	51.88	51.88
50	161.75	652.66	68.97	68.97
60	136.30	788.96	83.37	83.38
70	95.62	884.58	93.48	93.48
80	47.97	932.55	98.55	98.55
90	8.28	940.83	99.42	99.42
100	1.22	942.05	99.55	99.55
110	1.51	943.57	99.71	99.71
120	1.77	945.34	99.90	99.90
130	0.94	946.28	100.00	100.00

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Current (A)

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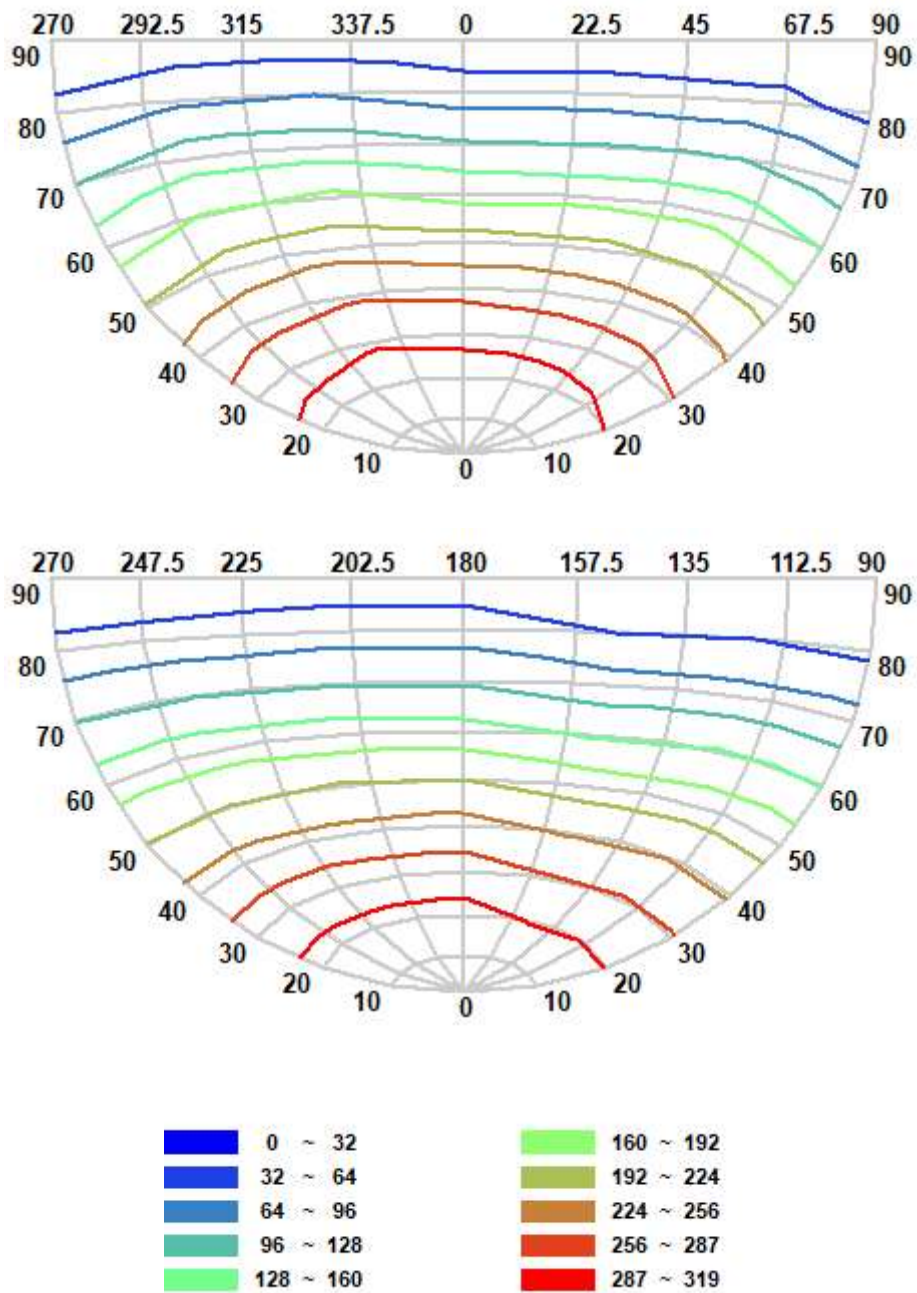
Total flux (lm) 946

Power Factor

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IsoCandela (Type C)



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Current (A)

Operator1

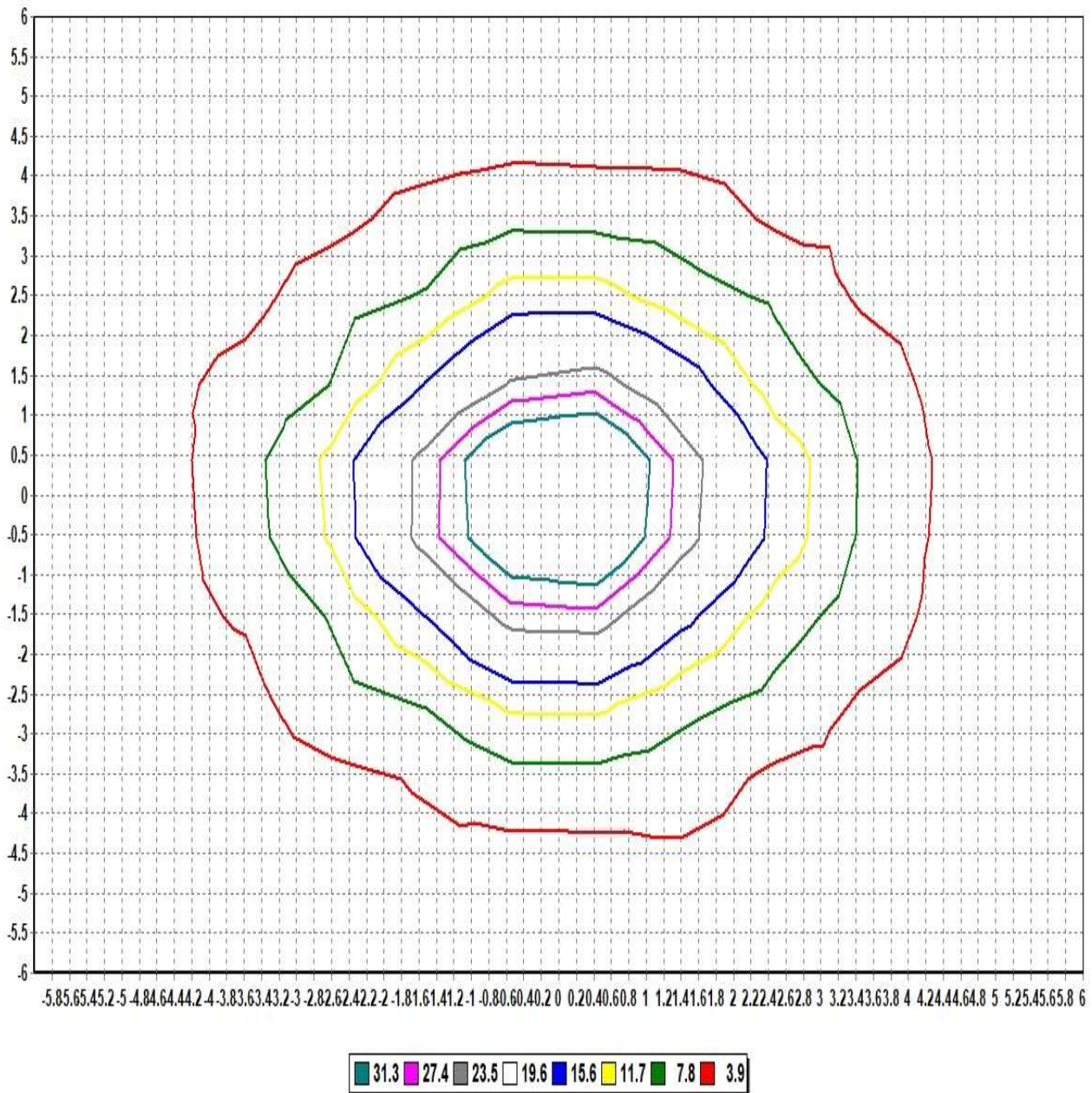
Total flux (lm) 946

Power Factor

Date 1

2026-03-20 오후 5:22:30

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 946

Current (A)

Operator1

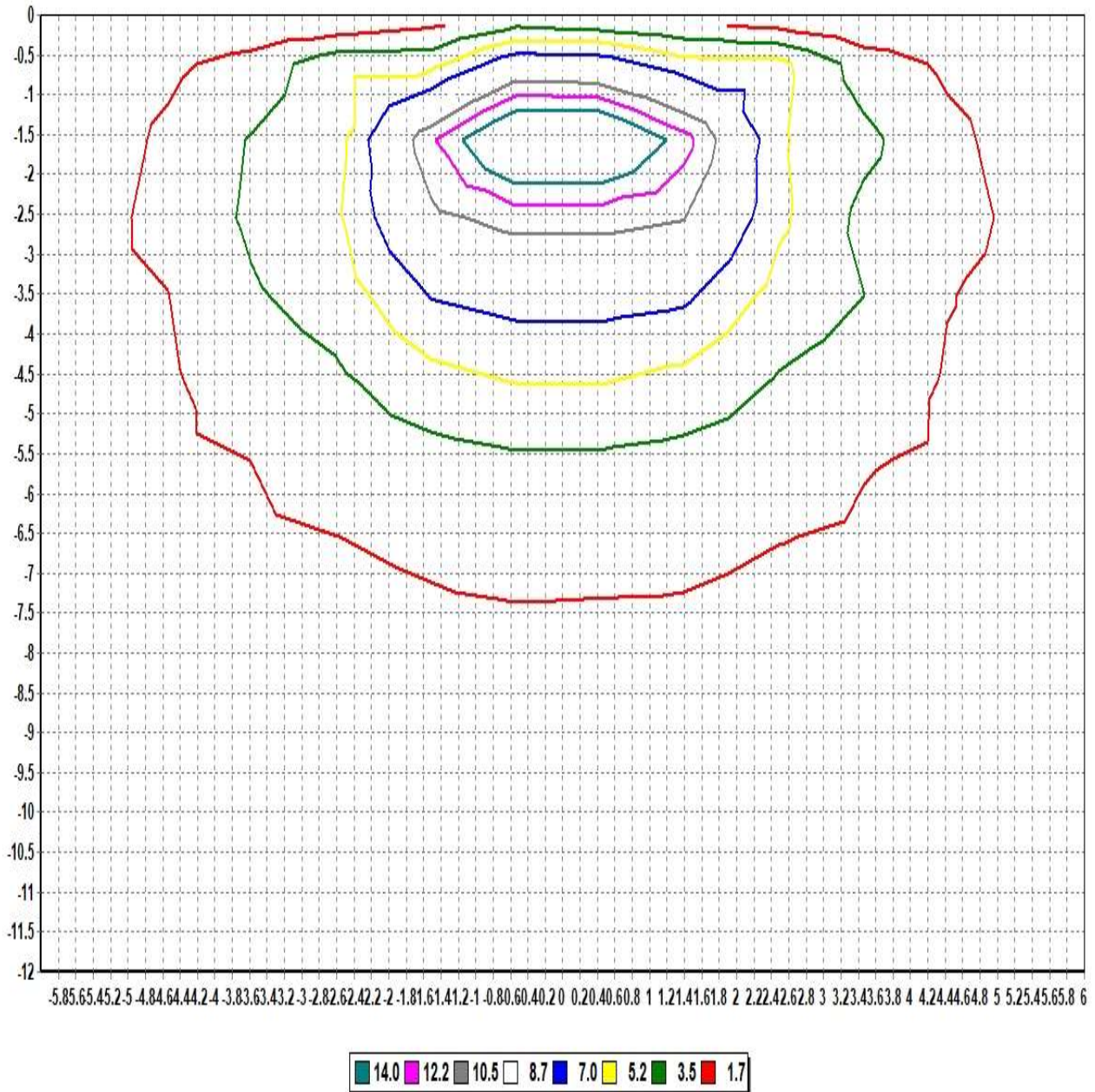
Total flux (lm) 946

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) 23.902

Lamp flux (lm) 946 Current (A) 0.7821

Total flux (lm) 946 Power Factor 1

Report

KH FEELUX

Filename 260320 EGL14-30K_CRI90_DIFUSSER(고효율).jdt

Operator

Date 2026-03-20 오후 5:22:30

Illuminance Levels (Ground)

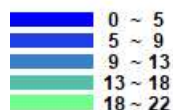
6.00	0.44	0.59	0.46	0.62	0.76	1.00	0.92	0.93	0.94	0.76	0.58	0.68	0.53
5.00	0.58	0.50	0.73	1.02	1.98	2.48	2.48	2.42	2.25	1.22	0.89	0.63	0.69
4.00	0.47	0.73	1.70	2.48	2.54	3.44	3.52	3.41	2.95	2.74	1.96	0.90	0.59
3.00	0.62	1.01	2.48	2.97	6.12	6.72	7.62	7.49	6.54	3.45	2.84	1.25	0.76
2.00	0.77	1.98	2.54	6.11	8.72	13.95	16.64	15.13	9.79	6.84	2.95	2.27	0.94
1.00	0.97	2.46	3.36	6.73	13.94	25.25	34.77	26.98	15.22	7.64	3.93	2.79	1.18
0.00	1.06	2.69	3.85	8.23	17.66	35.49	43.82	35.73	18.31	8.65	4.10	2.84	1.13
-1.00	0.92	2.41	3.34	7.31	14.81	26.47	35.04	26.62	15.45	7.90	3.91	2.75	1.13
-2.00	0.90	2.17	2.81	6.55	9.40	14.81	17.59	15.33	9.66	7.04	3.15	2.37	1.06
-3.00	0.73	1.17	2.70	3.26	6.54	7.31	8.26	7.60	6.58	3.48	3.00	1.41	0.87
-4.00	0.56	0.85	1.86	2.71	2.82	3.61	3.94	3.61	3.10	2.77	1.95	1.03	0.68
-5.00	0.65	0.60	0.87	1.20	2.18	2.56	2.72	2.56	2.30	1.21	0.91	0.67	0.76
-6.00	0.50	0.67	0.57	0.73	0.90	1.04	1.09	1.04	1.00	0.85	0.58	0.69	0.54
-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.) : 43.815

Illum. (Min.) : 0.4418

Illum. (Avg.) : 5.1749

All illuminance level values are in lux.



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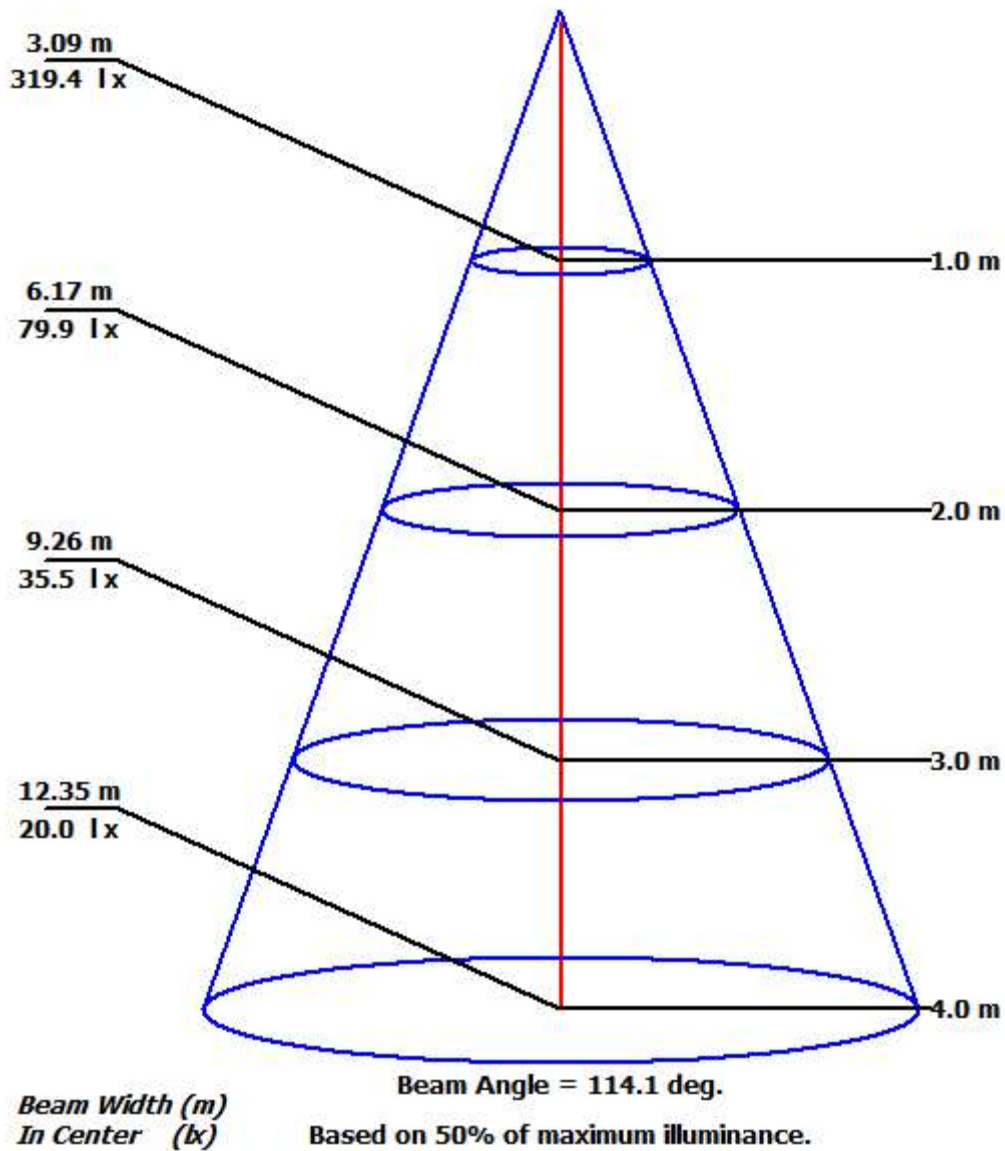
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 946 Current (A) 0.7821

Operator

Total flux (lm) 946 Power Factor 1

Date 2026-03-20 오후 5:22:30

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