

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 231011

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 231010 FN3D-40K-24V-C90

5. Test Period : 231011 ~ 231011

6. Test Environment

* Ambient Temp. : 22.0 +- 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	
	JSY	Sign	JSY	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		0.3893 , 0.3818	
Correlated Color Temperature	K	3808	
Ra		94.97	
Power Factor		1.000	
Input Voltage	V	0.070	
Input Current	A	0.000	
Input Watt	W	1	
Lamp Flux	lm	1055.8	
Efficient	lm/W	1055.80	
luminous Intensity (Max , Center)	cd	378 , 378	
Illuminance	lx	378	1 m
		95	2 m
		42	3 m

* This test result is for the sample provided by the client.

* Sample photo

[Click to load image](#)

Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 0.07

Lamp flux (lm) 1056

Current (A) 0

Total flux (lm) 1056

Power Factor 1

Report

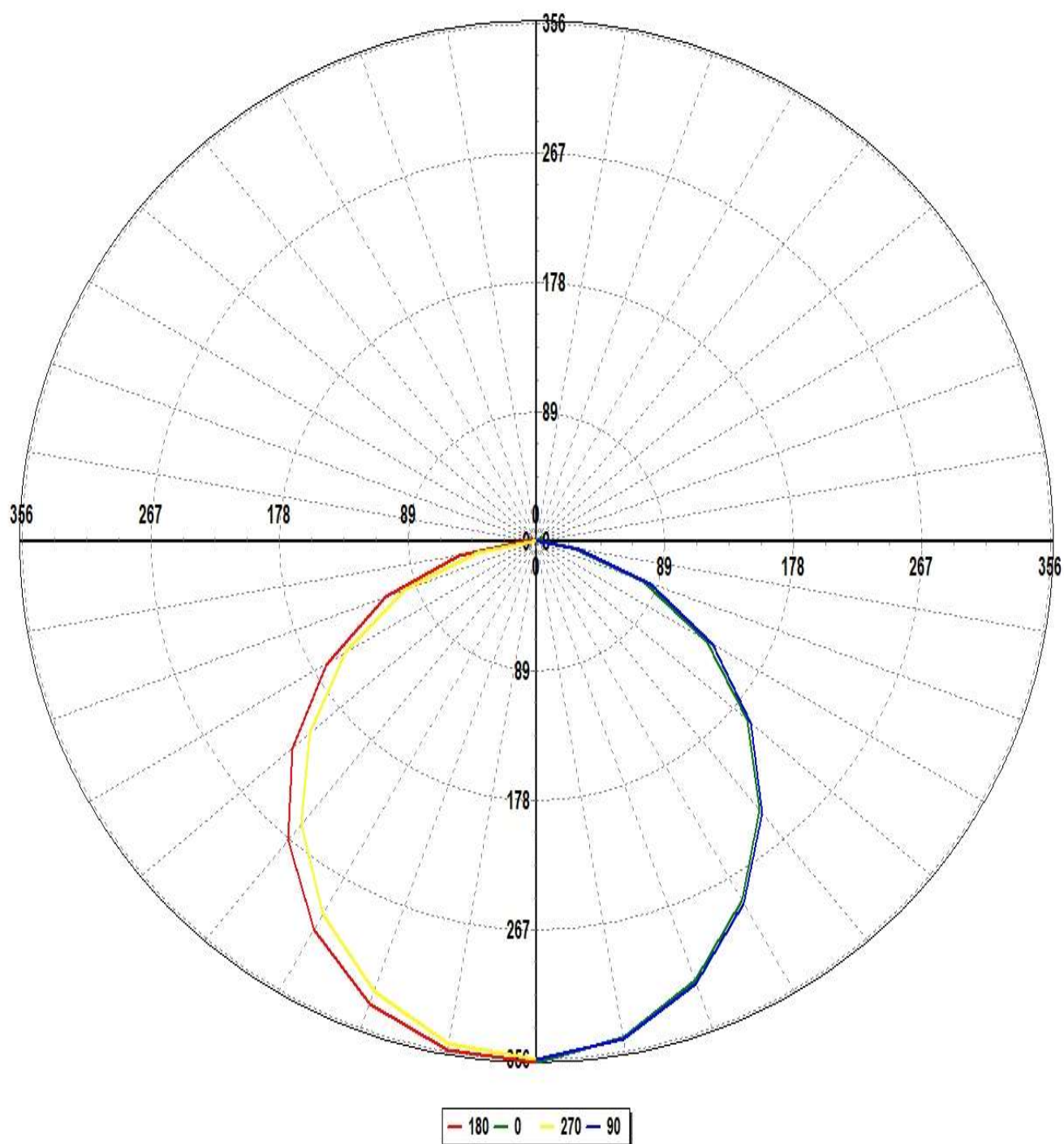
KH FEELUX

Filename 231010 FN3D-40K-24V-C90.jdt

Operator

Date 2023-10-10 오후 12:12:15

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 0.07

Lamp flux (lm) 1056

Current (A) 0

Total flux (lm) 1056

Power Factor 1

Report

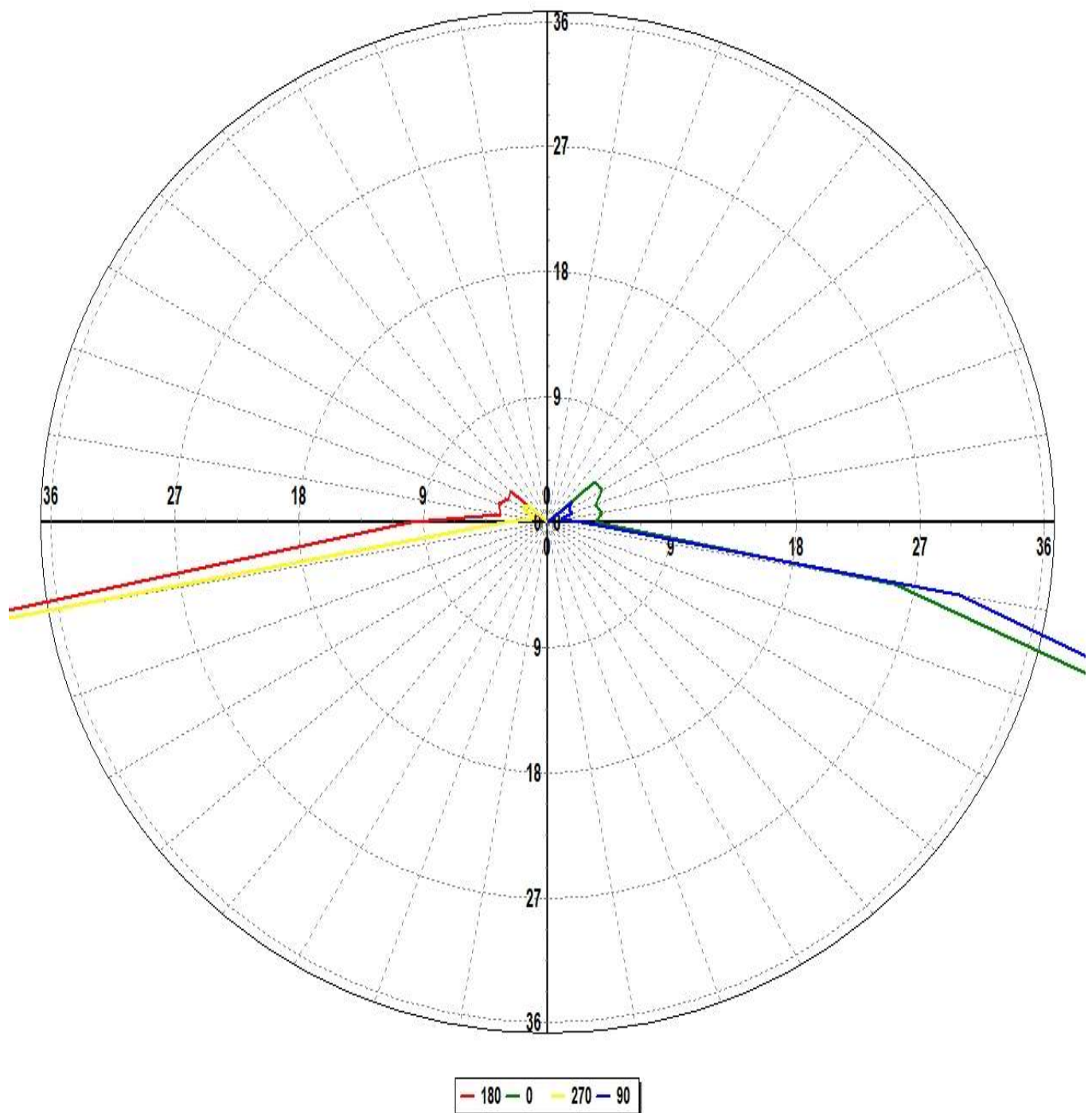
KH FEELUX

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Operator

Date 2023-10-10 오후 12:12:15

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	0.07
Lamp flux (lm)	1056	Current (A)	0
Total flux (lm)	1056	Power Factor	1

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Luminous Intensity Data

Maximum (cd) : 378

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	378.05	376.9	376.58	376.25	375.33	375.58	378.05	376.9	376.58	376.25	375.33
10	365.44	365.18	364.94	365.97	368.04	368.8	374.79	373.93	371.55	369.52	367.49
20	339.19	337.96	339.73	341.23	344.83	347.47	356.67	355.32	351.51	347.38	344.42
30	300.86	299.96	301.67	303.03	309.35	312.82	325.02	323.77	317	312.78	307.82
40	254.26	253.53	256.02	257.37	264.62	269.25	282.48	281	273.45	268.02	262.88
50	201.41	201.06	202.95	205.12	213.98	217.97	232.65	231.03	223.2	216.52	212.09
60	143.58	142.16	145.36	149.01	157.21	161.27	177.71	176.05	167.29	161.25	156.03
70	82.71	81.66	86.03	88.93	98.18	102.01	117.69	117.01	108.63	101.95	97.39
80	26.96	26.59	29	32.01	39.03	43.2	57.93	56.72	49.95	43.2	38.83
90	3.67	4.38	3.46	2.64	3.97	5.4	10.45	10.35	6.23	3.27	3.87
100	4.26	3.84	3.62	1.09	3.84	3.52	3.65	3.1	2.14	1.25	2.64
110	3.87	4.05	2.83	1.99	3.46	3.19	4	3.61	2.82	1.11	3
120	4.86	3.79	2.42	1.88	1.91	3.56	3.44	3.61	1.87	2.22	3.25
130	4.69	2.72	3.13	2.45	2.91	2.91	3.67	2.85	3.01	1.95	2.8

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	0.07
Lamp flux (lm)	1056	Current (A)	0
Total flux (lm)	1056	Power Factor	1

Report

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Luminous Intensity Data (Continued)

Maximum (cd) : 378

Minimum (cd) : 1

G/C	330	360
0	375.58	378.05
10	367.22	365.44
20	344.94	339.19
30	308.78	300.86
40	264.9	254.26
50	211.89	201.41
60	156.96	143.58
70	96.6	82.71
80	38.59	26.96
90	4.5	3.67
100	3.72	4.26
110	3.59	3.87
120	3.9	4.86
130	3.23	4.69

Luminaire KH FEELUX

Lamp

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Luminous Flux Table

Total Lamp Lumens:	1055.8
Luminaire Efficiency (lm/W):	1055.77
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	9.00	9.00	0.85	0.85
10	70.10	79.10	7.49	7.49
20	129.57	208.66	19.76	19.76
30	169.89	378.56	35.85	35.86
40	187.02	565.57	53.57	53.57
50	179.68	745.25	70.59	70.59
60	149.69	894.94	84.76	84.77
70	101.10	996.04	94.34	94.34
80	43.32	1039.37	98.44	98.45
90	5.68	1045.04	98.98	98.98
100	3.30	1048.34	99.29	99.30
110	3.22	1051.55	99.60	99.60
120	2.90	1054.46	99.87	99.88
130	1.32	1055.77	100.00	100.00

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	0.07
Lamp flux (lm)	1056	Current (A)	0
Total flux (lm)	1056	Power Factor	1

Report

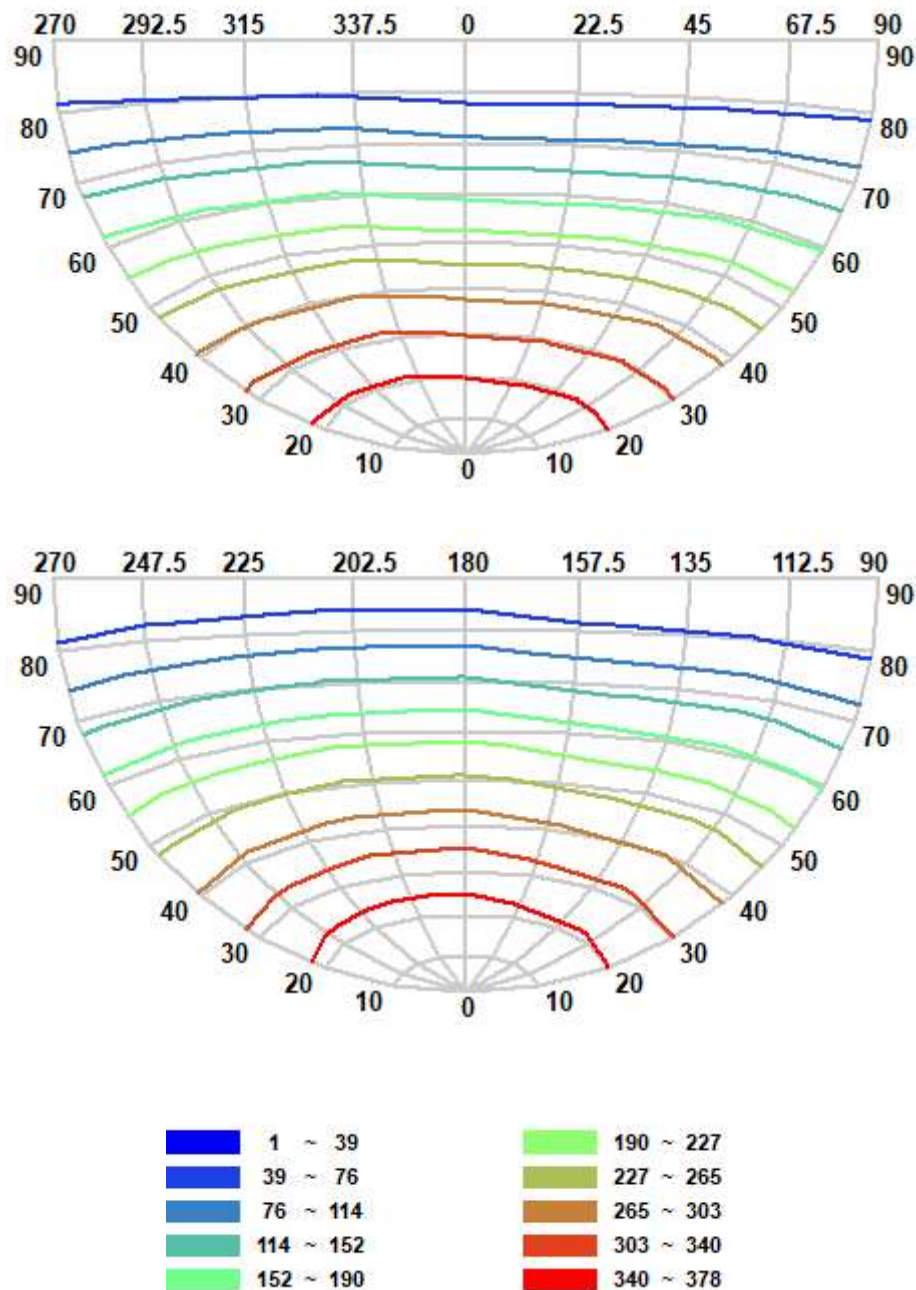
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IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	0.07
Lamp flux (lm)	1056	Current (A)	0
Total flux (lm)	1056	Power Factor	1

Report

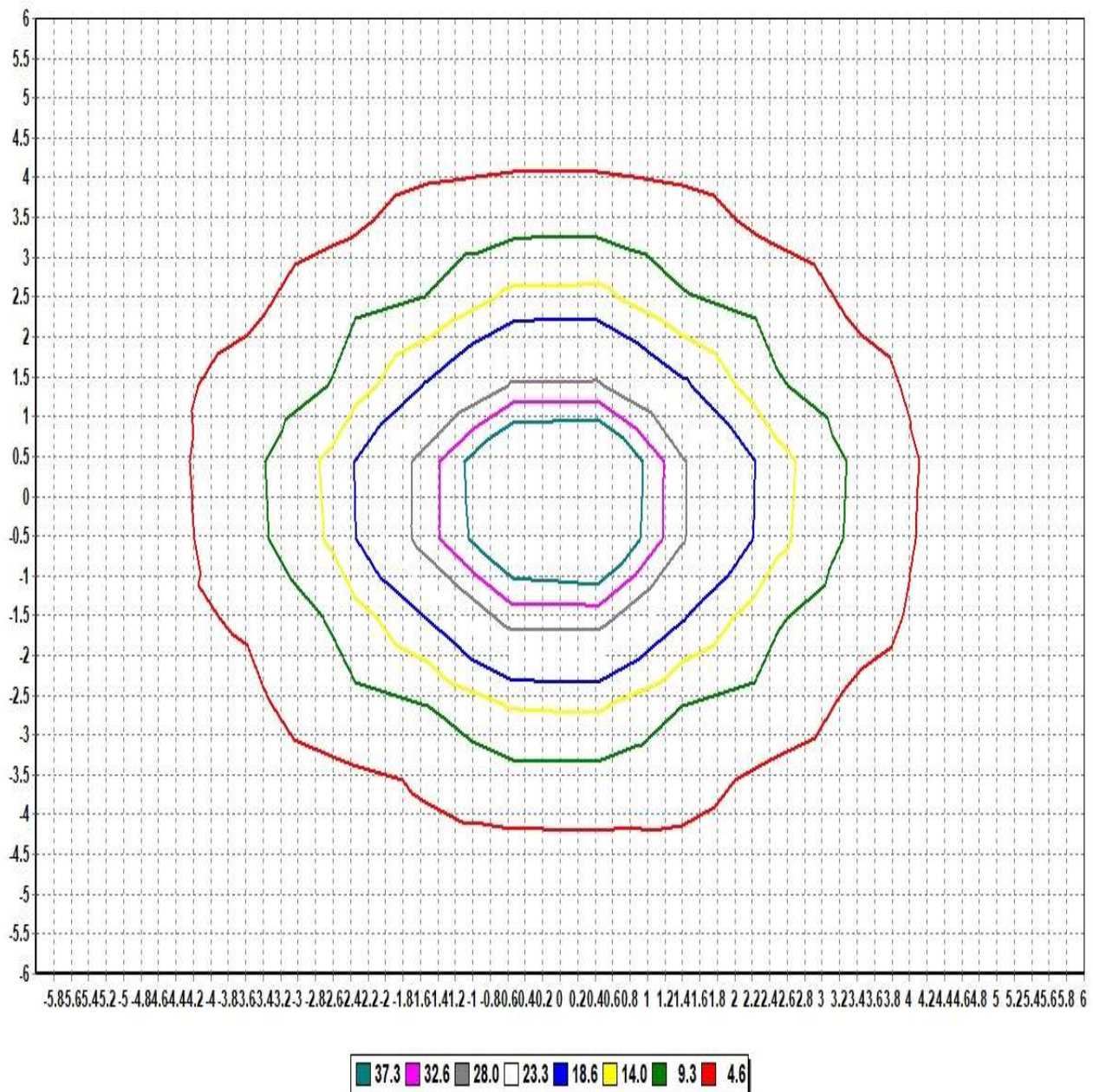
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Operator

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 0.07

Lamp flux (lm) 1056

Current (A) 0

Total flux (lm) 1056

Power Factor 1

Report

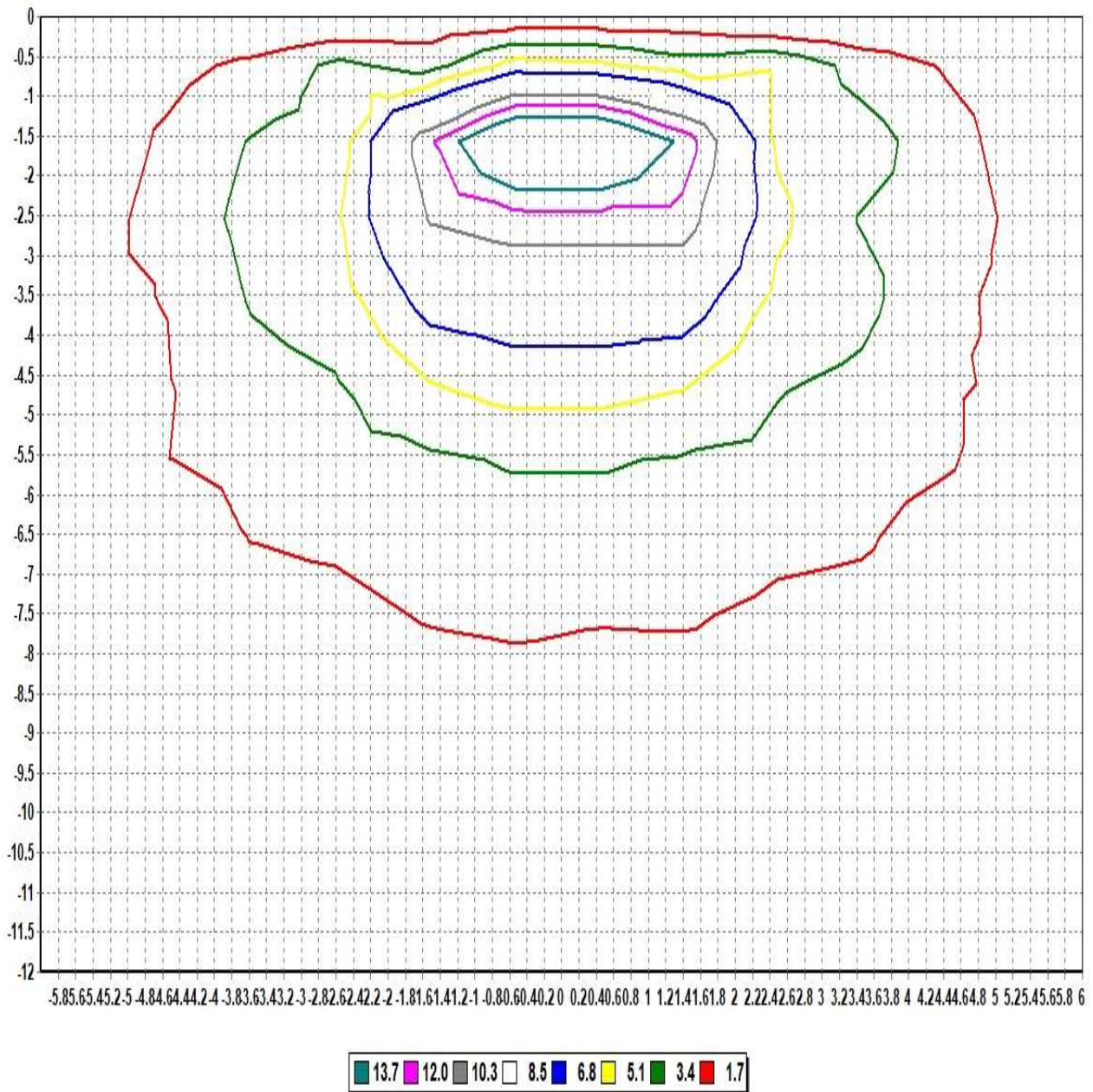
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IsoLux Diagram (Wall)



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)	0.07
Lamp flux (lm)	1056	Current (A)	0
Total flux (lm)	1056	Power Factor	1

Report

KH FEELUX

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Operator

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Illuminance Levels (Ground)

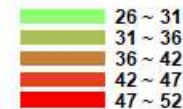
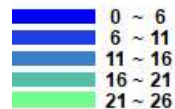
6.00	0.53	0.70	0.55	0.77	0.94	1.01	1.08	1.02	0.85	0.67	0.52	0.66	0.49
5.00	0.74	0.62	0.87	1.20	2.38	2.70	2.88	2.70	2.25	1.17	0.82	0.55	0.66
4.00	0.62	0.95	2.02	2.91	3.08	3.73	4.12	3.73	2.82	2.84	1.92	0.80	0.51
3.00	0.79	1.33	3.06	3.55	7.14	8.00	8.85	7.68	7.06	3.34	2.82	1.14	0.67
2.00	0.98	2.42	3.11	7.46	10.32	16.63	19.45	16.01	9.96	7.01	2.82	2.24	0.84
1.00	1.25	3.03	4.24	8.19	16.72	30.02	41.31	29.50	16.00	7.65	3.81	2.76	1.06
0.00	1.36	3.29	4.80	9.96	21.16	42.33	51.86	41.24	19.25	8.70	4.01	2.82	1.03
-1.00	1.19	2.98	4.22	8.79	17.72	31.64	41.72	30.39	16.59	8.06	3.79	2.72	1.02
-2.00	1.13	2.63	3.45	7.87	11.30	17.65	20.18	16.61	10.53	7.32	3.08	2.39	0.96
-3.00	0.92	1.49	3.29	4.04	7.64	8.66	9.31	8.12	7.42	3.66	2.99	1.28	0.78
-4.00	0.71	1.08	2.27	3.18	3.43	4.10	4.41	4.11	3.09	3.04	2.08	0.92	0.59
-5.00	0.82	0.76	1.03	1.40	2.60	2.92	3.05	2.94	2.40	1.33	0.95	0.65	0.72
-6.00	0.62	0.79	0.67	0.91	1.10	1.17	1.20	1.19	0.98	0.78	0.62	0.74	0.55
-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.) : 51.859

Illum. (Min.) : 0.4918

Illum. (Avg.) : 5.8746

All illuminance level values are in lux.



Luminaire KH FEELUX

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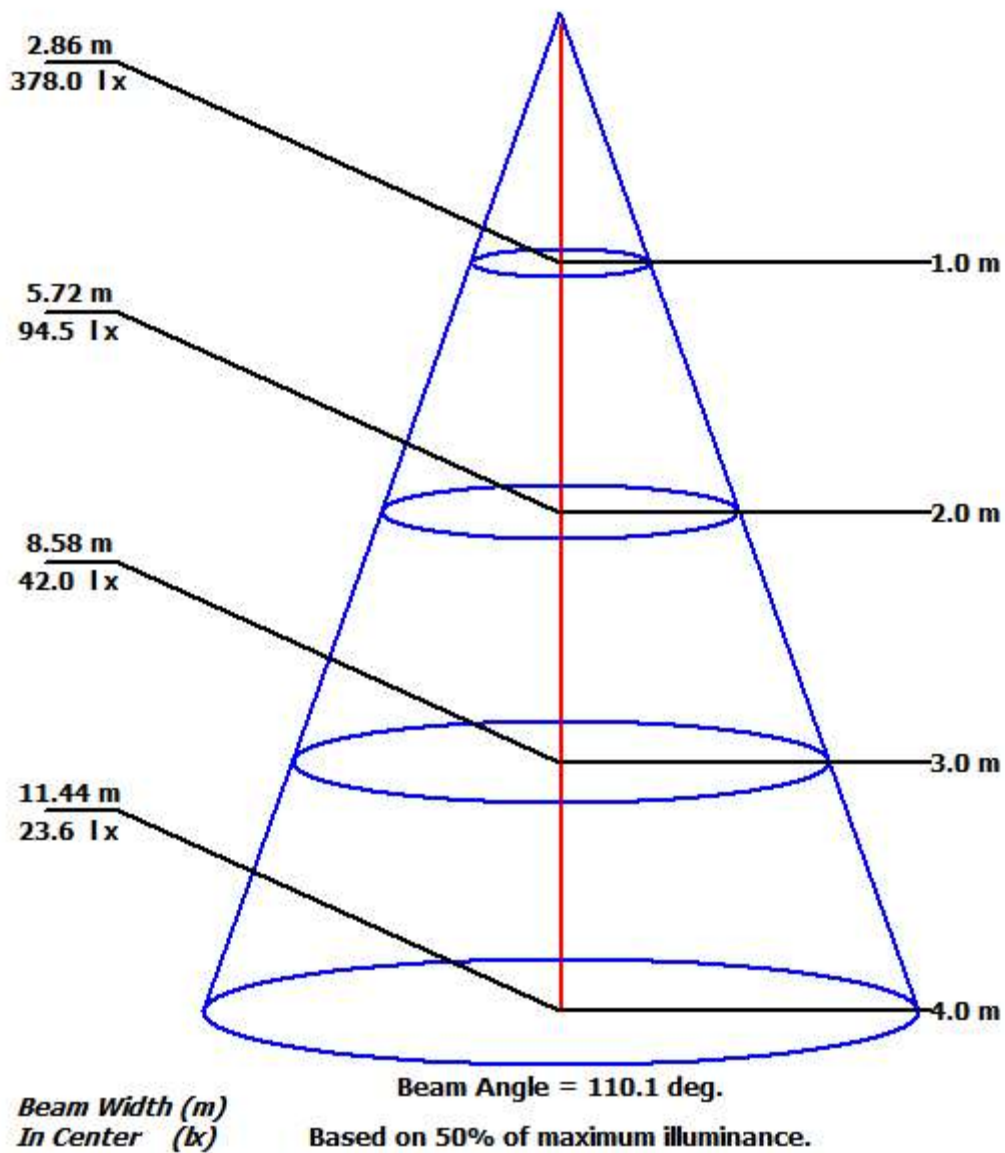
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Illuminance Cone Diagram



Luminaire KH FEELUX

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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