

# TEST REPORT

**1. Applicant**

\* Client Name :  
\* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84  
\* Date of Receipt : 230803

**2. Purpose of Report :**

**3. Number of Report :** 230803

**4. Test Standard / Item :** / 230803 CDV4 MR-24V F2209 VER1.01 28LLRM

**5. Test Period :** 230803 ~ 230803

**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
230803			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.5080 , 0.3568	
Correlated Color Temperature	K	1791	
Ra		86.08	
Power Factor		1.000	
Input Voltage	V	23.964	
Input Current	A	0.169	
Input Watt	W	4.038	
Lamp Flux	lm	242.8	
Efficient	lm/W	60.12	
luminous Intensity (Max , Center)	cd	110 , 110	
Illuminance	lx	110	1 m
		28	2 m
		12	3 m

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

\* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V) Filename: 230803 CDV4 MR-24V F2209 VER1.01 28LLRM.jdt

Lamp flux (lm) 243

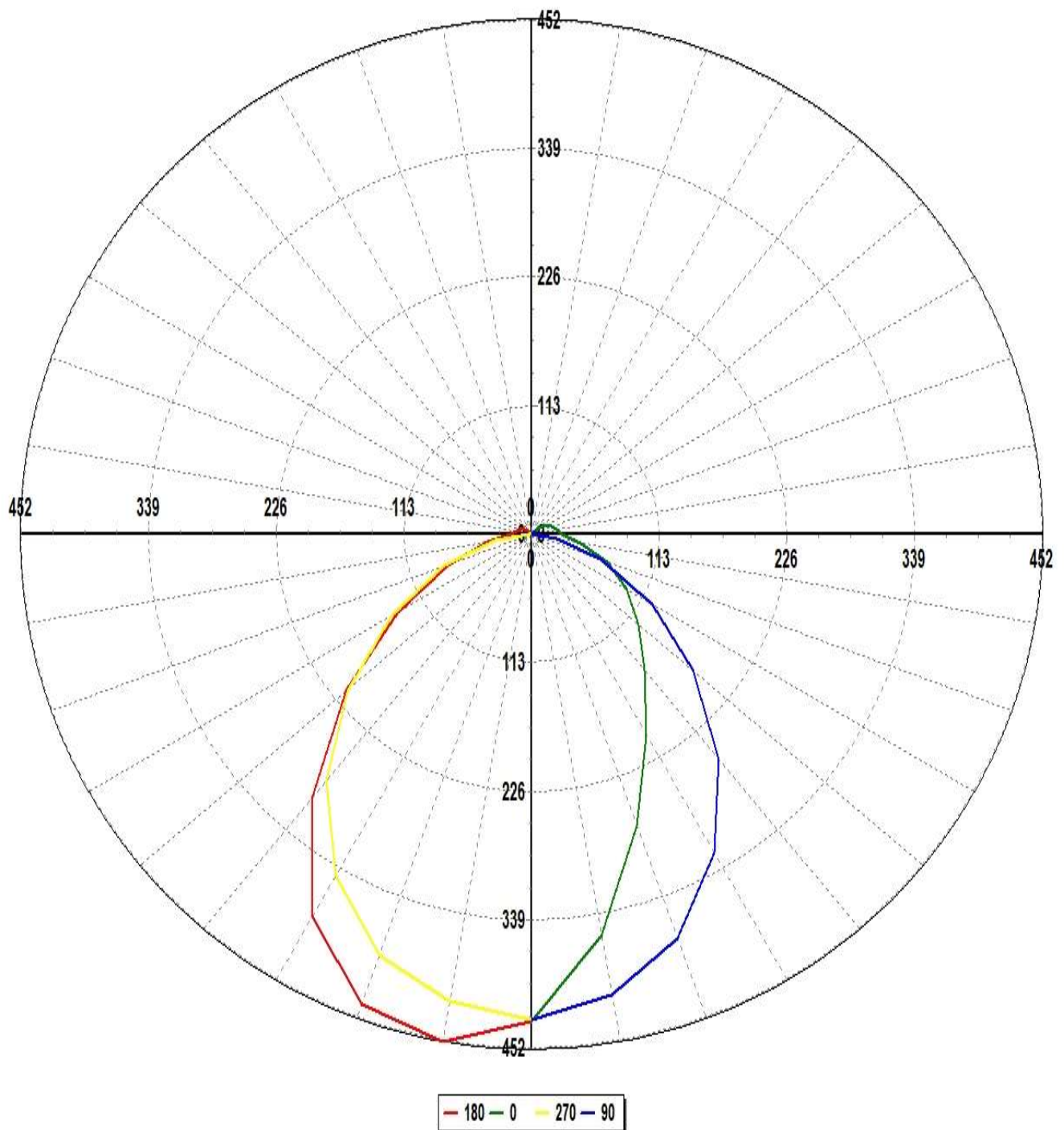
Current (A) Operator: 852

Total flux (lm) 243

Power Factor Date 1

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## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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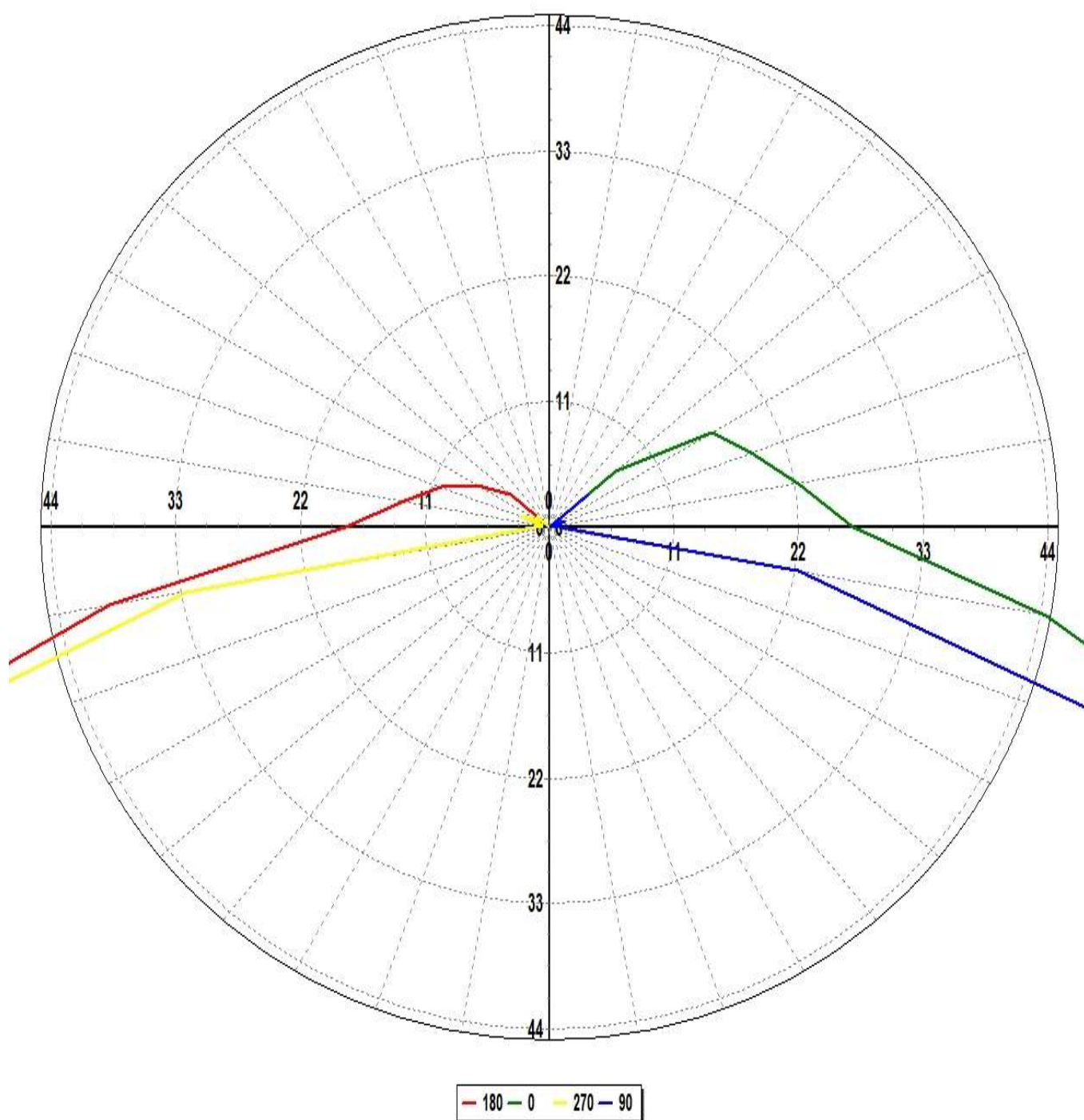
Current (A) Operator: 852

Total flux (lm) 243

Power Factor Date 1

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## Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp		Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV4 MR-24V F2209 VER1.01 28LLRM.jdt
Lamp flux (lm)	243	Current (A)	Operator: 852
Total flux (lm)	243	Power Factor	Date 1 2023-08-03 오후 2:18:49

## Luminous Intensity Data

Maximum (cd) : 110

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	103.92	102.75	102.73	103.73	103.63	104.87	103.92	102.75	102.73	103.73	103.63
10	86.88	88.2	94.52	99.88	104.61	108.11	110.02	108.86	106.98	101.19	96.56
20	66.34	69.71	80.25	91.71	99.75	102.39	106.93	106.23	103.2	95.68	84.26
30	49.48	51.3	63.06	78.5	88.48	88.83	94.29	94.94	93.66	84.38	67.37
40	37.9	39.14	48.04	62.61	71.63	69.43	73.26	77.19	78.04	68.81	51.44
50	30.12	29.48	33.73	45.23	52.24	49.31	52	55.74	58.97	51.62	36.99
60	23.47	22.53	23.13	30.03	34.34	31	33.13	36.69	39.63	34.64	25.31
70	17.35	14.72	13.55	15.75	19.46	18.1	19.21	20.84	23.47	19.92	16.46
80	10.81	9.27	6.18	5.41	7.52	7.27	9.59	10.65	10.91	7.92	8.37
90	6.51	5.12	2.88	0.22	2.09	3.39	4.39	3.92	3.16	0.32	2.9
100	5.42	4.72	2.48	0.04	1	1.48	3.15	2.48	1.06	0.15	2.89
110	4.6	3.97	2.08	0.36	0.97	2.42	2.47	2.53	1.95	0.64	1.56
120	4.02	4.24	0.62	-0.1	0.86	1.47	1.81	2.13	0.3	0.26	0.7
130	1.86	1.28	1.48	1.09	0.72	0.44	1.08	0.49	1	0.36	1.56

Luminaire KH FEELUX

Lamp

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Total flux (lm) 243

Power Factor Date 1

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## Luminous Intensity Data (Continued)

Maximum (cd) : 110

Minimum (cd) : 0

G/C	330	360
0	104.87	103.92
10	93.12	86.88
20	74.06	66.34
30	56.36	49.48
40	42.25	37.9
50	32.87	30.12
60	24.1	23.47
70	16.91	17.35
80	10.25	10.81
90	5.17	6.51
100	4.65	5.42
110	4.08	4.6
120	3.59	4.02
130	2.49	1.86

Luminaire KH FEELUX

Lamp		Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV4 MR-24V F2209 VER1.01 28LLRM.jdt
Lamp flux (lm)	243	Current (A)	Operator: 852
Total flux (lm)	243	Power Factor	Date 2023-08-03 오후 2:18:49

## Luminous Flux Table

Total Lamp Lumens:	242.84
Luminaire Efficiency (lm/W):	60.14
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.48	2.48	1.02	1.02
10	19.00	21.48	8.85	8.84
20	33.73	55.21	22.74	22.73
30	41.56	96.77	39.85	39.85
40	42.22	138.99	57.24	57.23
50	36.94	175.93	72.46	72.44
60	28.30	204.22	84.11	84.10
70	18.50	222.73	91.73	91.72
80	9.36	232.09	95.59	95.57
90	3.66	235.74	97.09	97.08
100	2.65	238.40	98.19	98.17
110	2.37	240.77	99.16	99.15
120	1.57	242.34	99.81	99.79
130	0.50	242.84	100.02	100.00



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 243

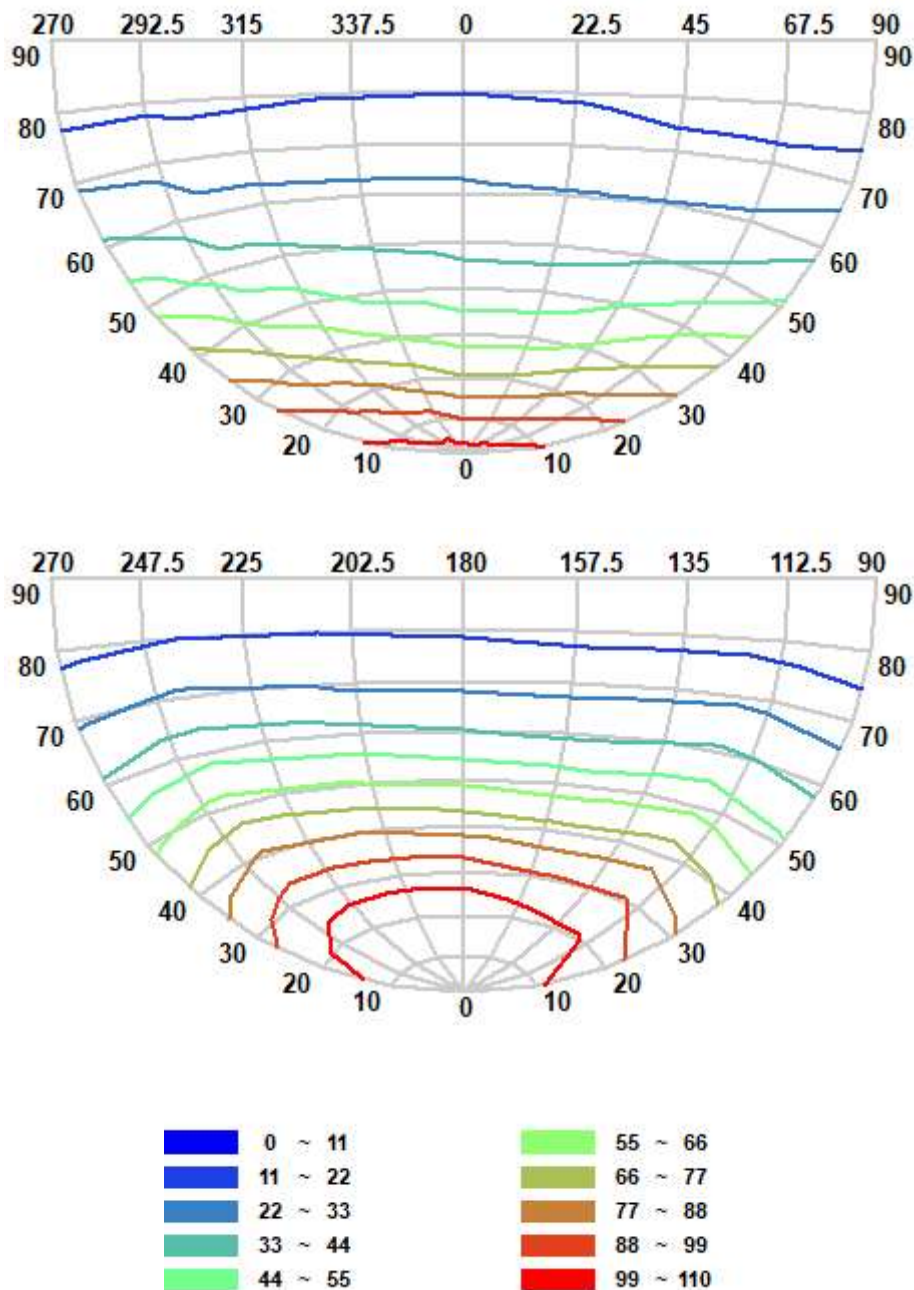
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## IsoCandela (Type C)





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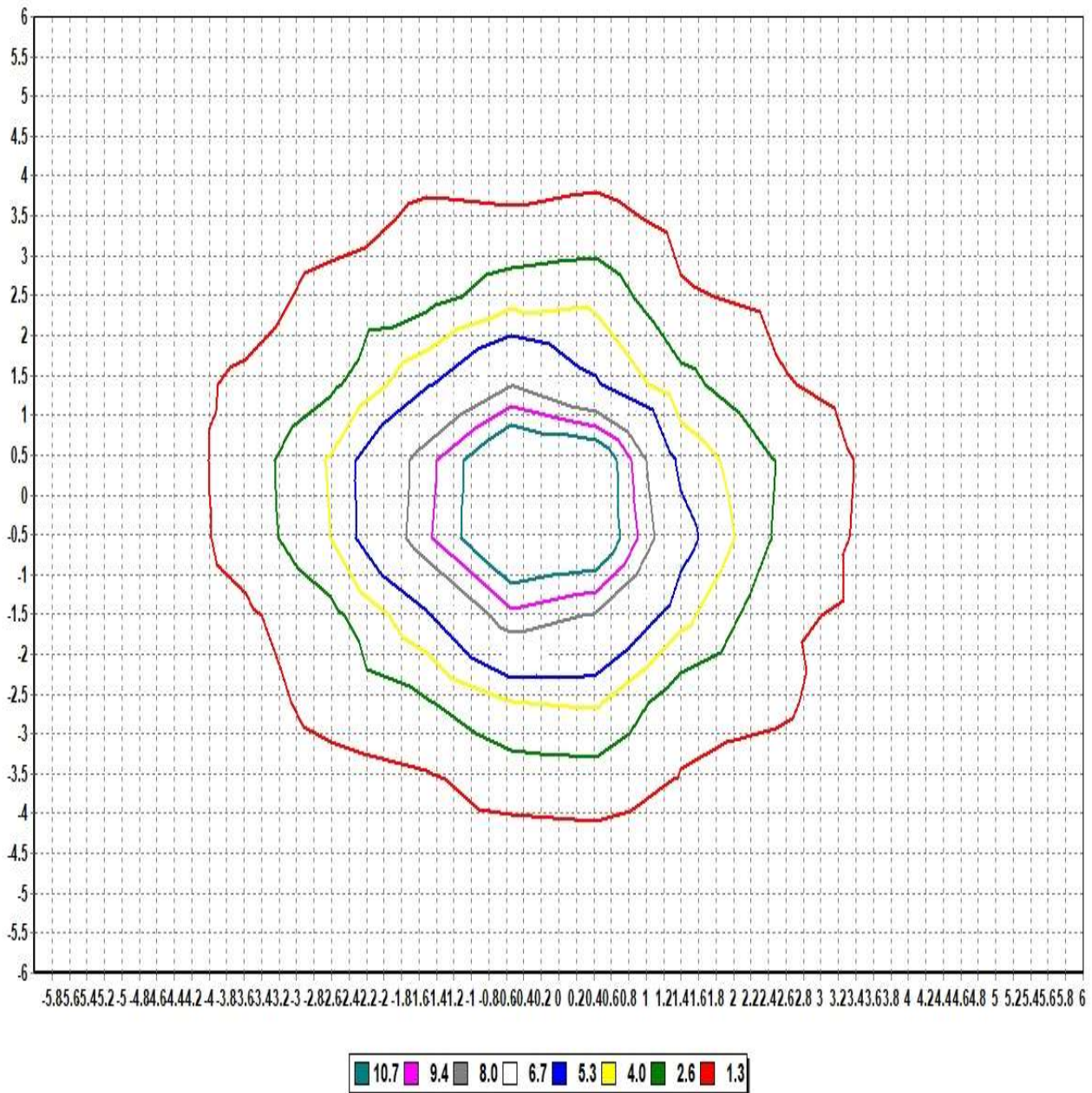
Current (A) Operator: 852

Total flux (lm) 243

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

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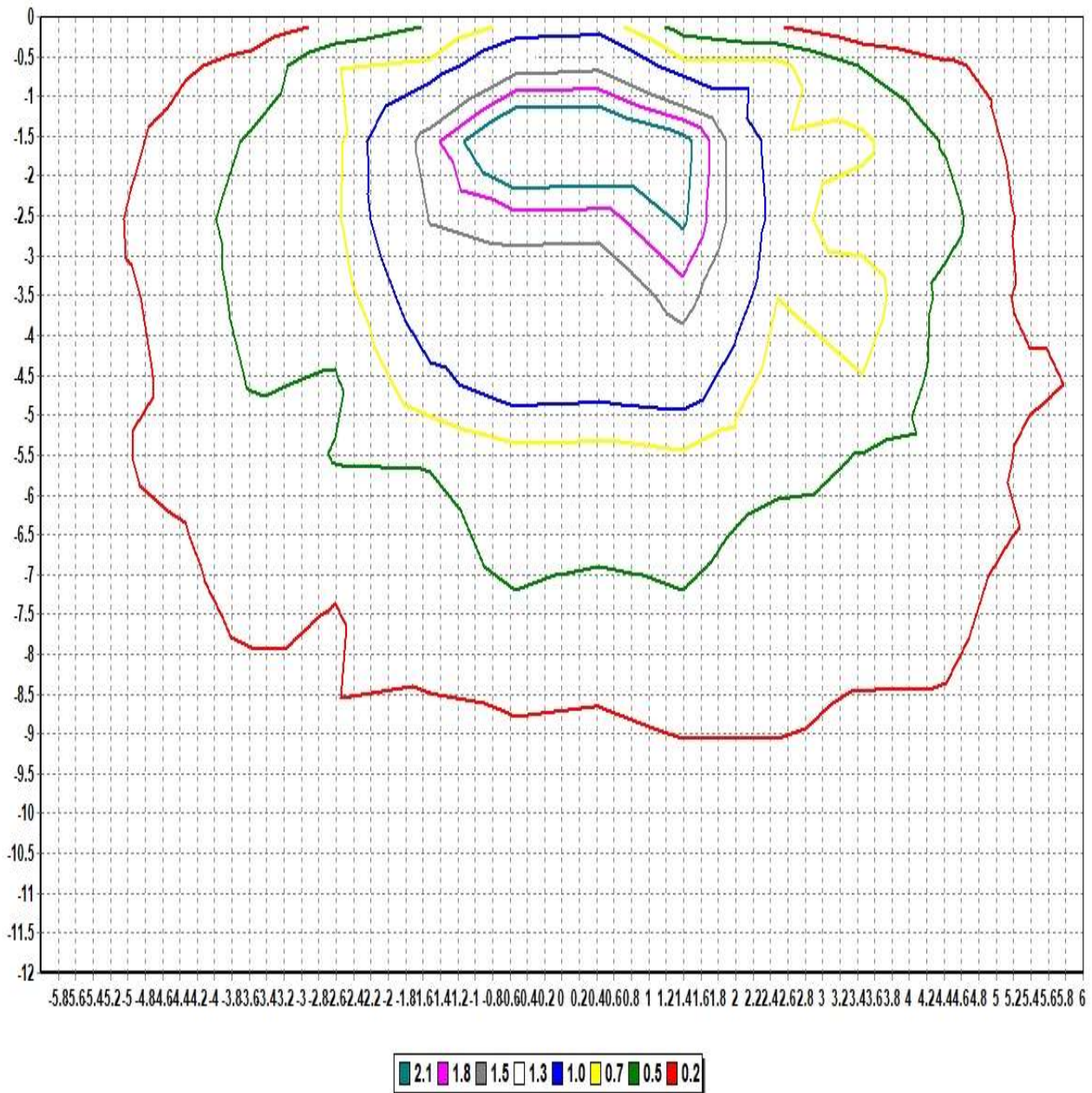
Current (A) Operator: 852

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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)	23.964
Lamp flux (lm)	243	Current (A)	0.16852
Total flux (lm)	243	Power Factor	1

Report

230803

Filename 230803 CDV4 MR-24V F2209 VER1.01 28LLRM.jdt

Operator

Date

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## Illuminance Levels (Ground)

6.00	0.11	0.14	0.10	0.16	0.19	0.17	0.21	0.18	0.14	0.12	0.08	0.11	0.08
5.00	0.15	0.12	0.17	0.23	0.55	0.50	0.63	0.54	0.35	0.19	0.13	0.10	0.11
4.00	0.11	0.18	0.45	0.65	0.68	0.69	0.87	0.70	0.44	0.46	0.29	0.15	0.10
3.00	0.16	0.25	0.69	0.77	1.72	1.89	2.00	1.19	1.26	0.52	0.42	0.21	0.12
2.00	0.19	0.56	0.68	1.87	2.51	4.46	4.85	2.55	1.49	1.05	0.44	0.34	0.15
1.00	0.22	0.66	0.86	1.96	4.51	8.24	11.27	5.20	2.47	1.13	0.59	0.42	0.18
0.00	0.24	0.72	0.98	2.31	5.73	12.43	14.26	9.75	2.98	1.30	0.63	0.43	0.19
-1.00	0.22	0.65	0.86	2.08	4.85	9.29	11.43	7.55	3.19	1.35	0.59	0.42	0.18
-2.00	0.21	0.60	0.73	1.98	2.79	4.88	5.28	3.38	2.26	1.19	0.50	0.40	0.16
-3.00	0.17	0.26	0.73	0.84	2.12	2.18	2.26	1.63	1.81	0.71	0.47	0.21	0.13
-4.00	0.12	0.19	0.50	0.81	0.74	0.97	1.00	0.97	0.53	0.67	0.42	0.15	0.10
-5.00	0.16	0.13	0.22	0.32	0.62	0.71	0.72	0.74	0.45	0.27	0.18	0.12	0.11
-6.00	0.12	0.18	0.14	0.17	0.22	0.25	0.25	0.26	0.18	0.13	0.12	0.15	0.10
-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.) : 14.255

Illum. (Min.) : 0.0817

Illum. (Avg.) : 1.3495

All illuminance level values are in lux.





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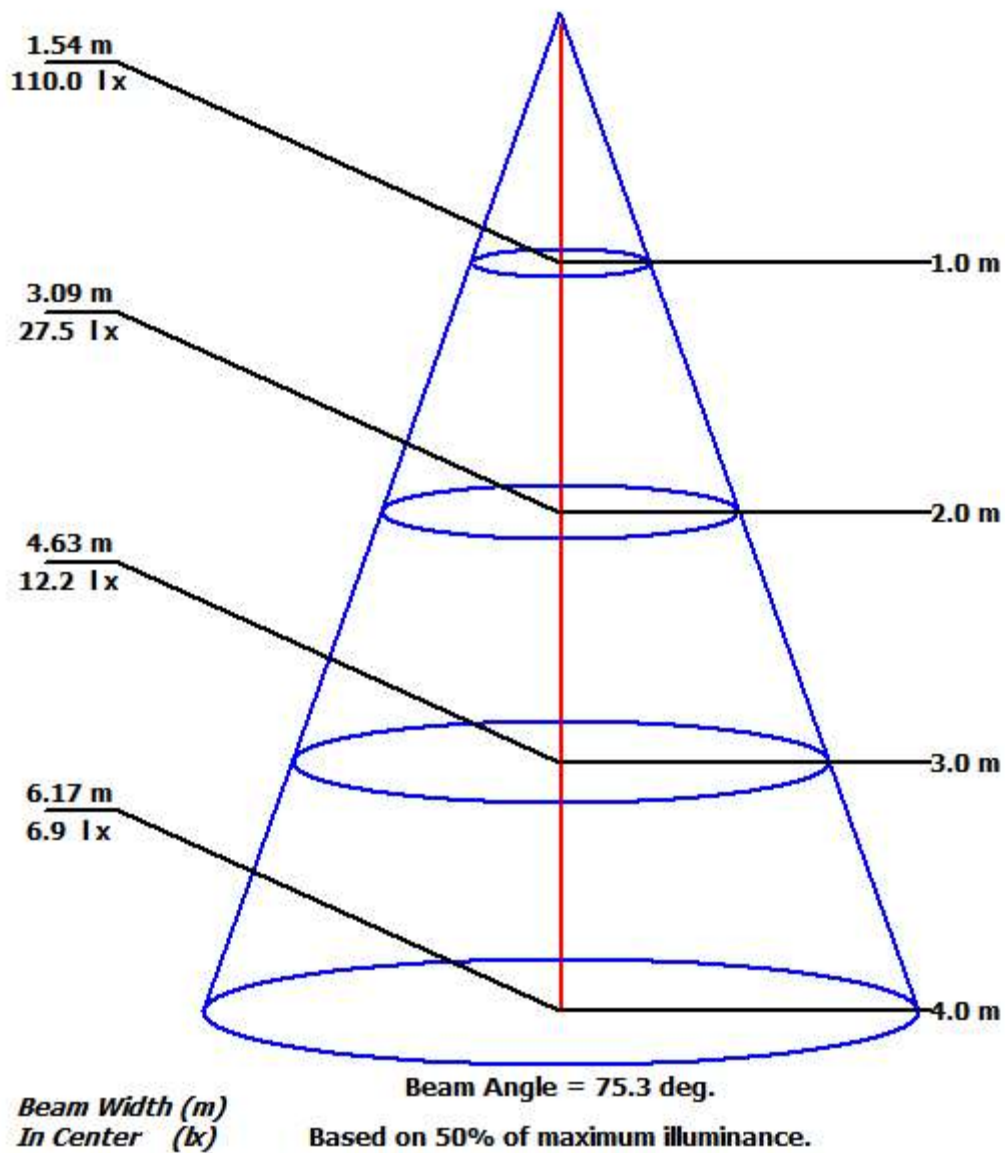
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## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1 Voltage (V) 23.964

Filename 230803 CDV4 MR-24V F2209 VER1.01 28LLRM.jdt

Lamp flux (lm) 243 Current (A) 0.16852

Operator

Total flux (lm) 243 Power Factor 1

Date 2023-08-03 오후 2:18:49

## 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