

# 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 CDV12 30K-24V F2207 VER2.02 28SS9

**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		0.4327 , 0.4008	
Correlated Color Temperature	K	3047	
Ra		92.89	
Power Factor		1.000	
Input Voltage	V	23.931	
Input Current	A	0.501	
Input Watt	W	11.992	
Lamp Flux	lm	1313.6	
Efficient	lm/W	109.54	
luminous Intensity (Max , Center)	cd	580 , 580	
Illuminance	lx	580	1 m
		145	2 m
		64	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 CDV12 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 1314

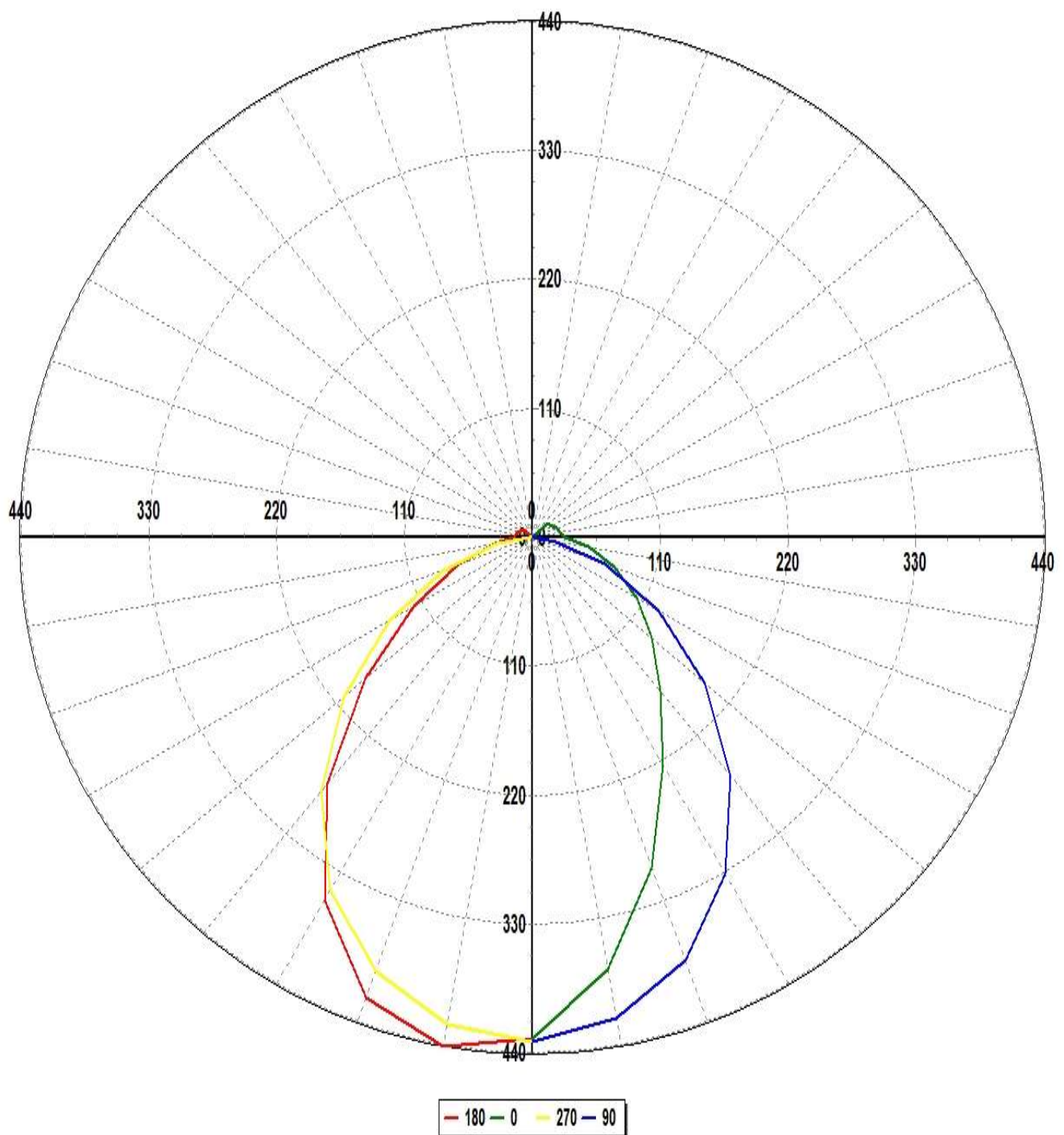
Current (A) Operator: 11

Total flux (lm) 1314

Power Factor Date 1

2023-08-03 오후 5:09:21

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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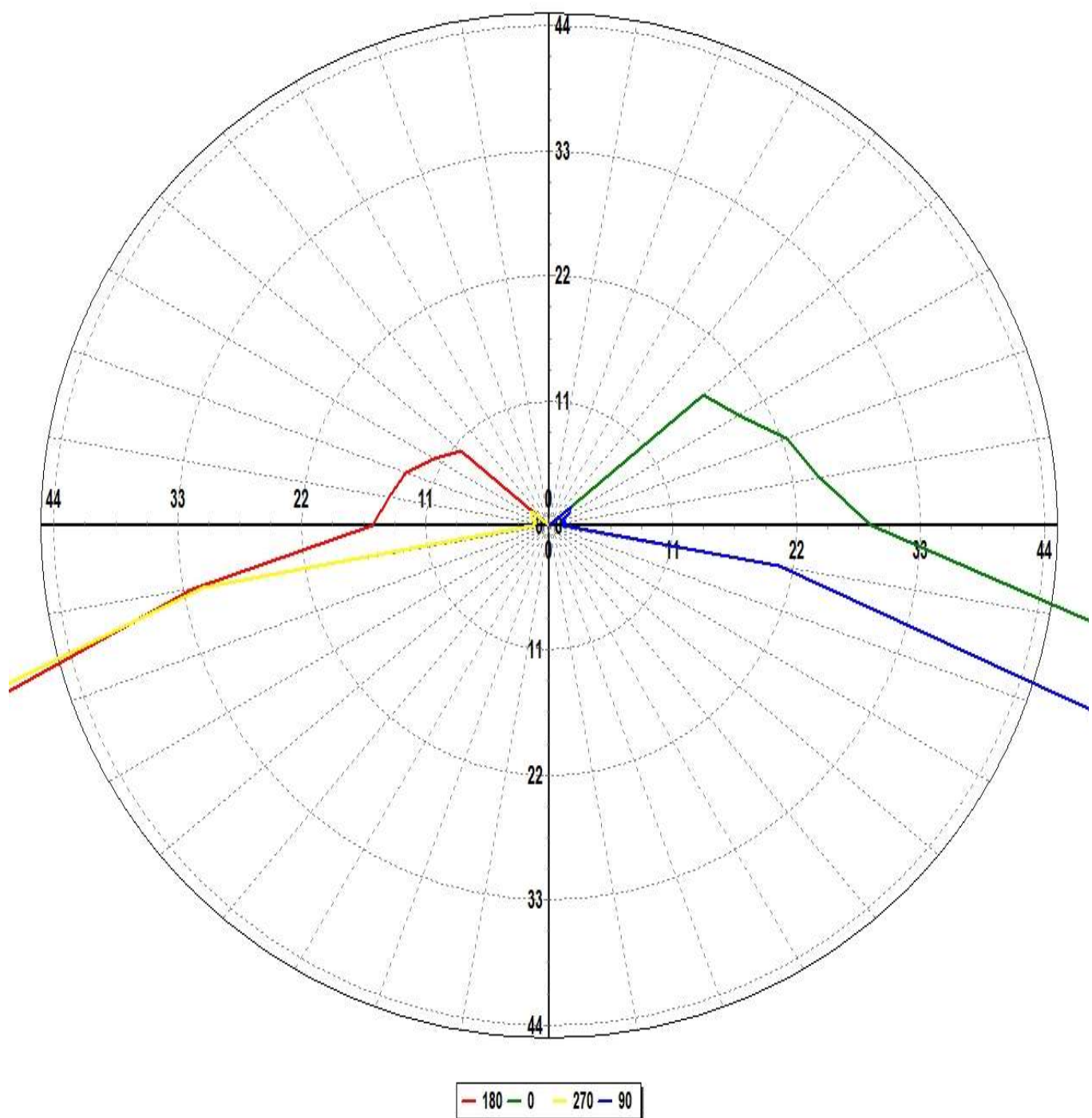
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## Luminous Intensity Distribution (Lowest 10%)



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## Luminous Intensity Data

Maximum (cd) : 580

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	561.85	559.66	562.64	564.95	566.3	567.91	561.85	559.66	562.64	564.95	566.3
10	492.29	499.12	522.46	547.62	565	574.08	579.65	576.79	569	554.25	533.18
20	394.45	408.85	456.09	505.03	531.65	535.56	548.79	549.17	542.8	518.05	471.11
30	295.58	312.9	370.22	436.58	464.77	454.09	470.1	479.04	481.63	457.01	388.34
40	225.82	233.7	281.86	348.52	372.27	347.29	360.17	377.88	394.62	371.22	299.78
50	176.04	175.64	202.38	254.2	270.01	239.6	246.91	267.34	293	277.99	216.68
60	136.04	129.86	135.76	165.24	175.11	149.45	154.48	171.93	195.52	185.75	149.1
70	98.69	89.42	83.41	87.52	97.33	82.53	88.31	98.95	112.17	105.86	93.45
80	64.32	55.58	40	27.18	35.97	35.66	42.29	45.65	48.4	41.05	49.46
90	37.55	30.38	16.74	1.6	12.71	19.17	20.57	18.98	13.32	1.91	18.5
100	31.98	27.16	15.44	1.92	10.29	17.64	19.04	17.44	10.83	1.57	16.19
110	29.43	25.37	10.21	1.49	7.08	15.85	17.82	16.27	9.5	2.12	14.94
120	25.47	19.26	2.6	2.8	2.37	12.28	15.49	13.26	1.82	2.26	1.83
130	23.51	12.45	9.61	3.43	7.17	3.34	13.41	9.09	6.68	2.58	10.76

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Power Factor Date 1

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## Luminous Intensity Data (Continued)

Maximum (cd) : 580

Minimum (cd) : 1

G/C	330	360
0	567.91	561.85
10	518.84	492.29
20	434.41	394.45
30	336.1	295.58
40	251.08	225.82
50	188.36	176.04
60	140.33	136.04
70	99.93	98.69
80	63.76	64.32
90	35.76	37.55
100	28.35	31.98
110	26.49	29.43
120	22.57	25.47
130	15.93	23.51

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## Luminous Flux Table

Total Lamp Lumens: 1313.6

Luminaire Efficiency (lm/W): 109.54

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	13.48	13.48	1.03	1.03
10	103.53	117.01	8.91	8.91
20	184.05	301.06	22.92	22.92
30	225.73	526.78	40.10	40.10
40	226.70	753.48	57.36	57.36
50	196.34	949.82	72.31	72.31
60	149.27	1099.09	83.67	83.67
70	97.56	1196.66	91.10	91.10
80	49.37	1246.03	94.86	94.86
90	20.74	1266.77	96.43	96.43
100	17.78	1284.55	97.79	97.79
110	15.14	1299.69	98.94	98.94
120	9.64	1309.34	99.68	99.67
130	4.28	1313.61	100.00	100.00



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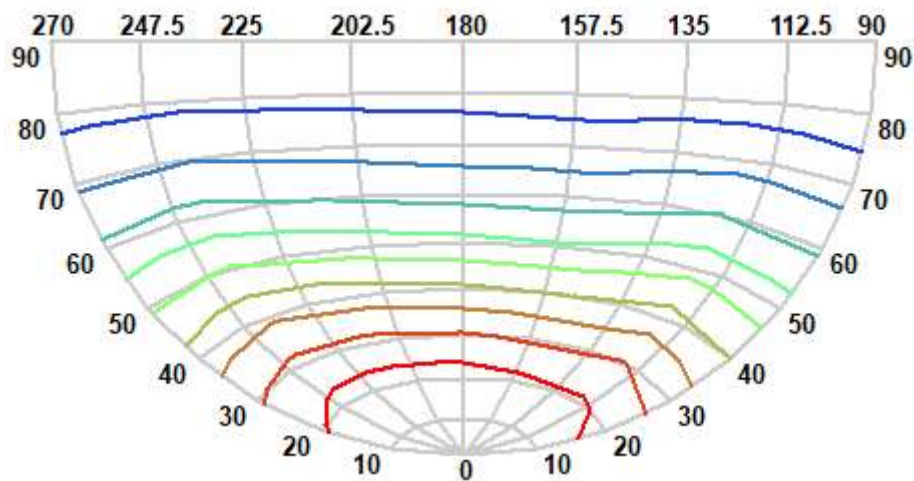
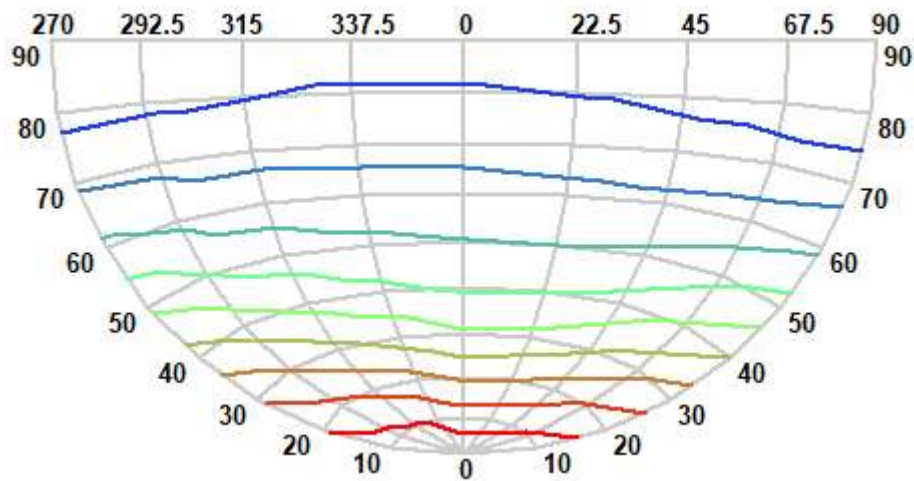
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## IsoCandela (Type C)





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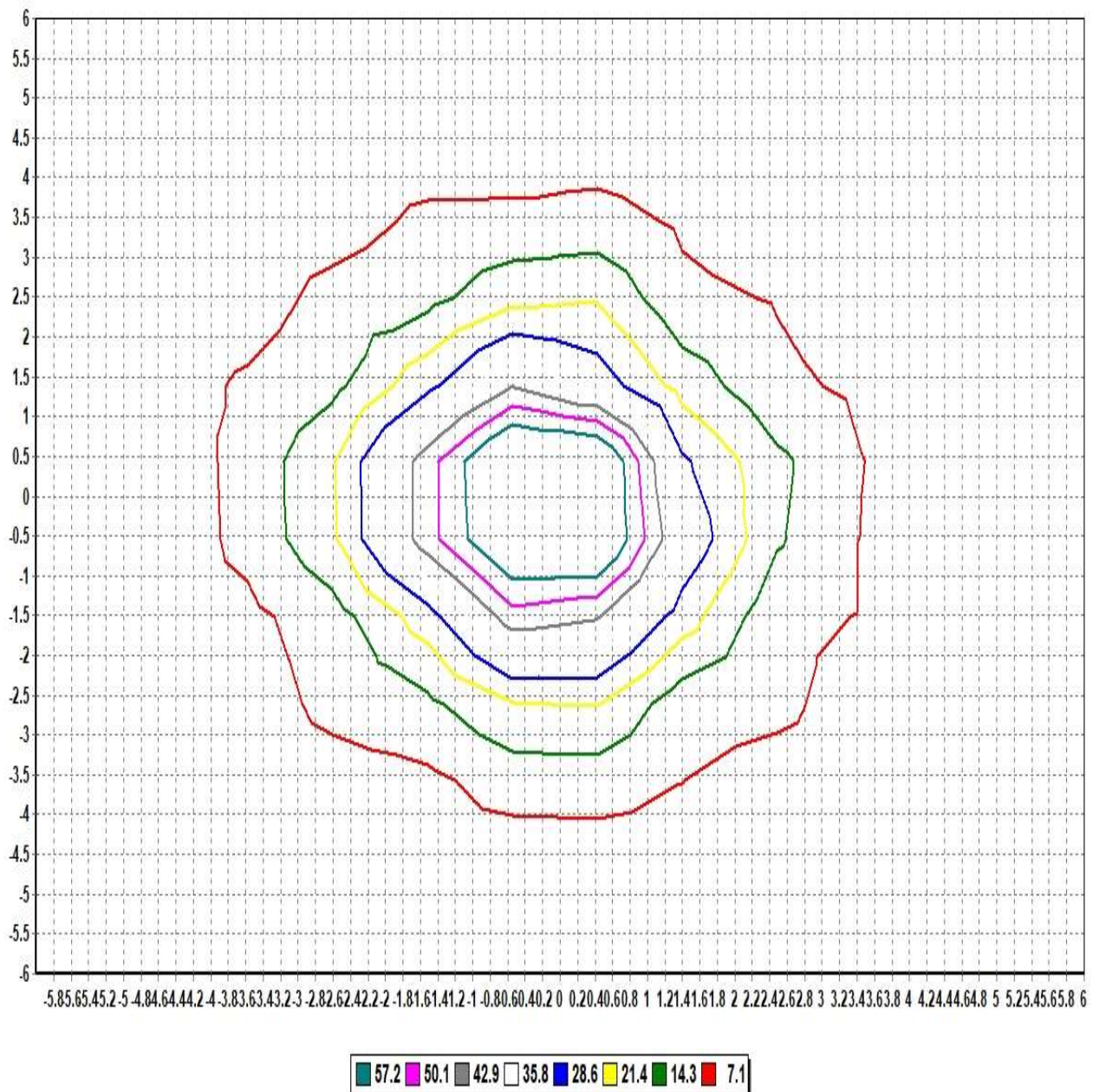
Current (A) Operator: 11

Total flux (lm) 1314

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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No. of lamps 1

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Lamp flux (lm) 1314

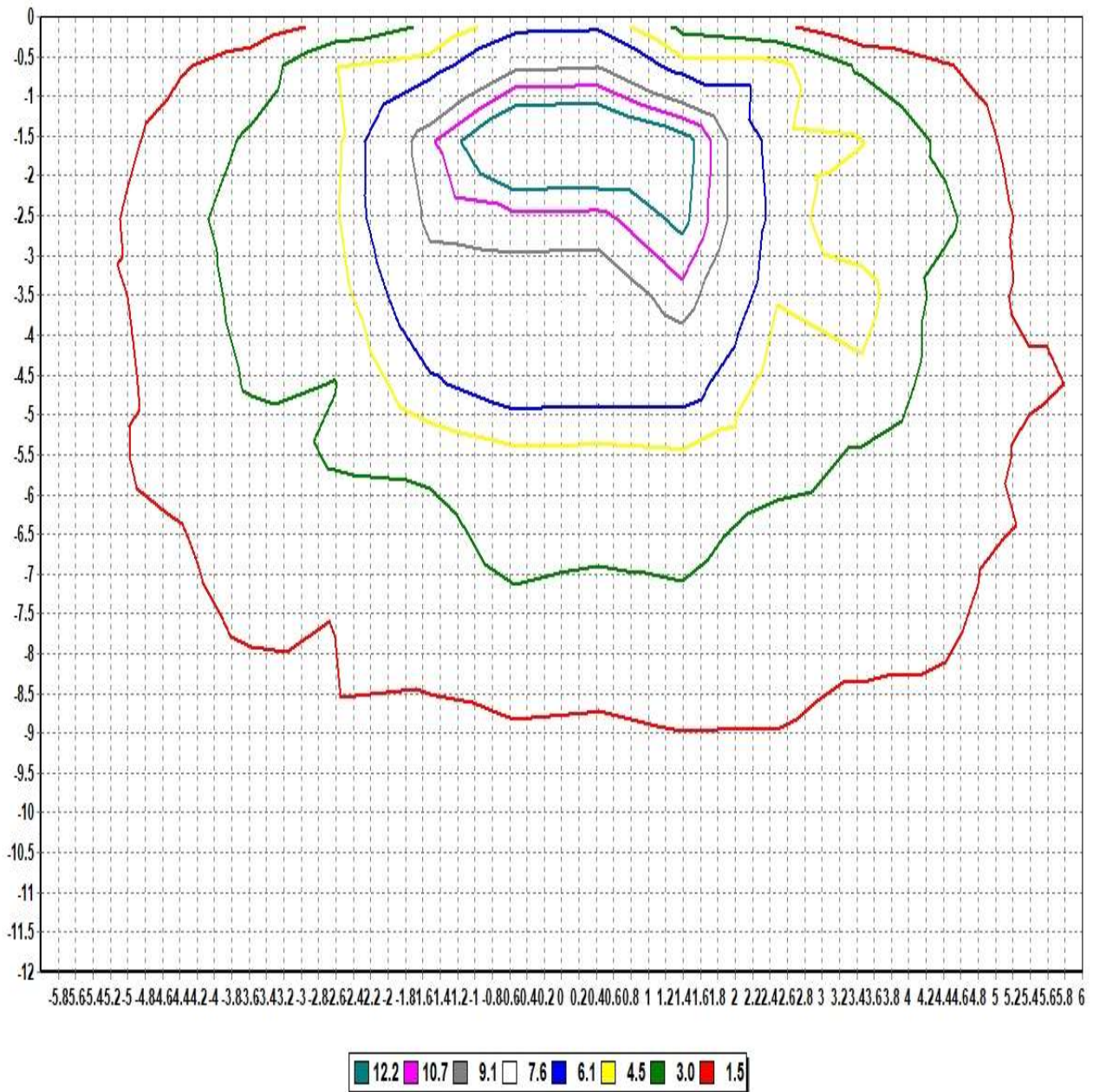
Current (A) Operator: 11

Total flux (lm) 1314

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)	23.931
Lamp flux (lm)	1314	Current (A)	0.5011
Total flux (lm)	1314	Power Factor	1

Report

230803

Filename 230803 CDV12 30K-24V F2207 VER2.02 28SS9.jdt

Operator

Date

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## Illuminance Levels (Ground)

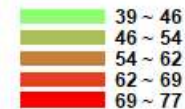
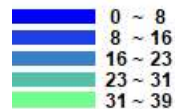
6.00	0.58	0.77	0.55	0.79	0.98	0.99	1.14	1.04	0.84	0.69	0.51	0.62	0.47
5.00	0.72	0.62	0.91	1.28	2.89	2.90	3.53	3.06	2.05	1.11	0.80	0.61	0.62
4.00	0.52	0.86	2.42	3.58	3.49	3.93	4.83	3.99	2.57	2.74	1.72	0.86	0.59
3.00	0.79	1.18	3.41	4.10	9.49	10.09	11.21	7.11	7.43	3.05	2.49	1.19	0.70
2.00	0.95	2.84	3.46	9.35	13.47	23.37	26.98	15.18	8.83	6.22	2.57	1.99	0.87
1.00	1.03	3.16	4.09	9.89	23.37	44.49	61.79	31.20	14.77	6.70	3.44	2.45	1.05
0.00	1.10	3.41	4.60	11.06	28.35	65.46	77.07	55.33	17.80	7.64	3.65	2.49	1.09
-1.00	1.01	3.14	4.09	9.95	23.79	46.92	62.56	41.92	18.64	7.87	3.43	2.41	1.05
-2.00	0.97	2.84	3.42	9.65	13.47	24.03	28.54	19.50	12.63	6.98	2.94	2.32	0.93
-3.00	0.80	1.23	3.48	3.96	10.63	10.61	12.18	9.19	9.84	3.97	2.74	1.22	0.75
-4.00	0.55	0.89	2.36	3.99	3.51	4.98	5.35	5.00	3.05	3.68	2.32	0.89	0.60
-5.00	0.74	0.62	1.06	1.55	2.99	3.71	3.87	3.76	2.57	1.46	0.99	0.66	0.66
-6.00	0.56	0.86	0.68	0.82	1.06	1.28	1.32	1.31	0.98	0.76	0.64	0.80	0.58
-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.) : 77.071

Illum. (Min.) : 0.4735

Illum. (Avg.) : 7.2606

All illuminance level values are in lux.





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Lamp

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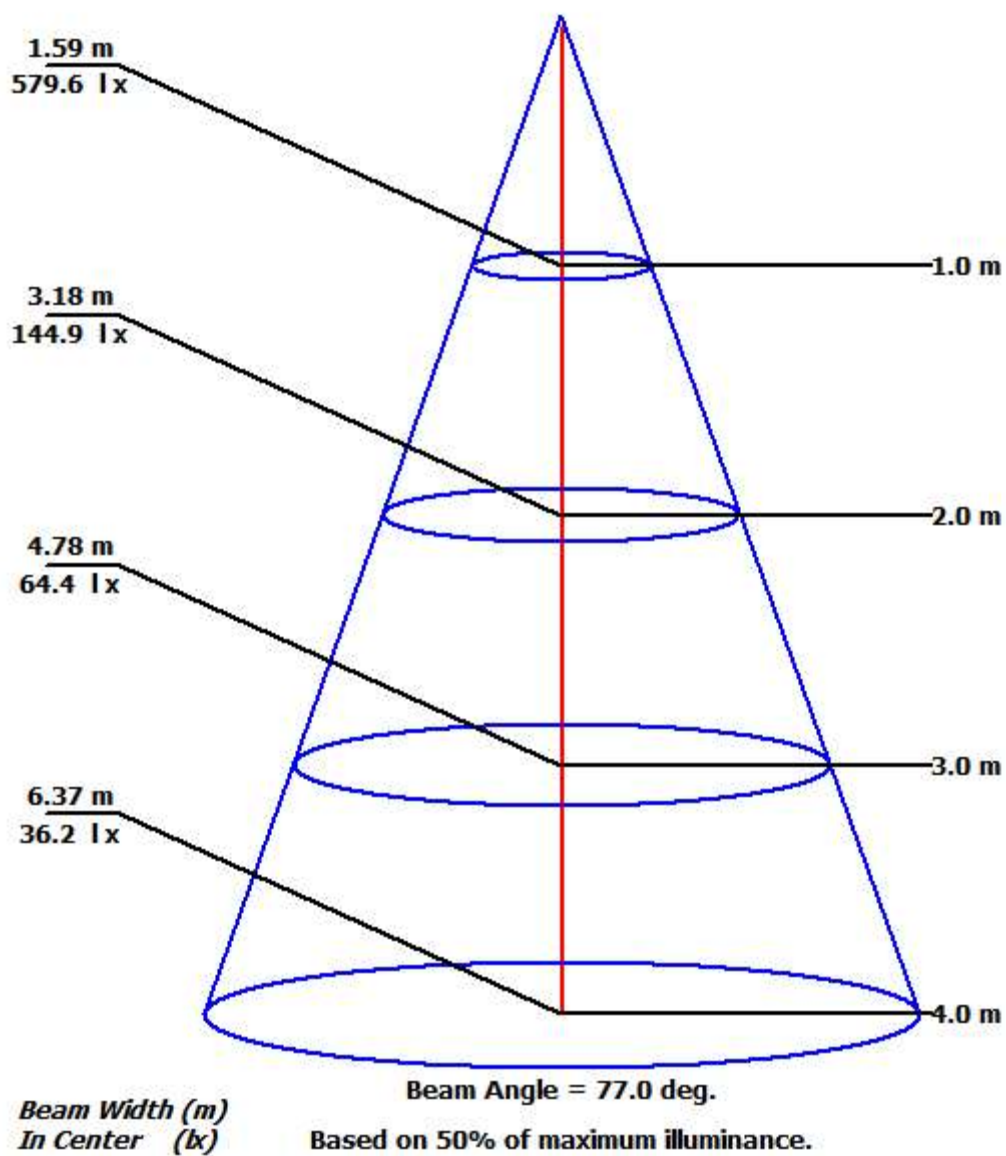
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## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1 Voltage (V) 23.931

Filename 230803 CDV12 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 1314 Current (A) 0.5011

Operator

Total flux (lm) 1314 Power Factor 1

Date

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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