

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230803

2. Purpose of Report :**3. Number of Report :** 230803**4. Test Standard / Item :** / 230803 CDV4 30K-24V F2206 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 reproduced, 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		0.4328 , 0.4013	
Correlated Color Temperature	K	3049	
Ra		92.9	
Power Factor		1.000	
Input Voltage	V	23.969	
Input Current	A	0.174	
Input Watt	W	4.1755	
Lamp Flux	lm	457.7	
Efficient	lm/W	109.62	
luminous Intensity (Max , Center)	cd	205 , 205	
Illuminance	lx	205	1 m
		51	2 m
		23	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 30K-24V F2206 VER2.02 28SS9.jdt

Lamp flux (lm) 458

Current (A)

Operator: 2

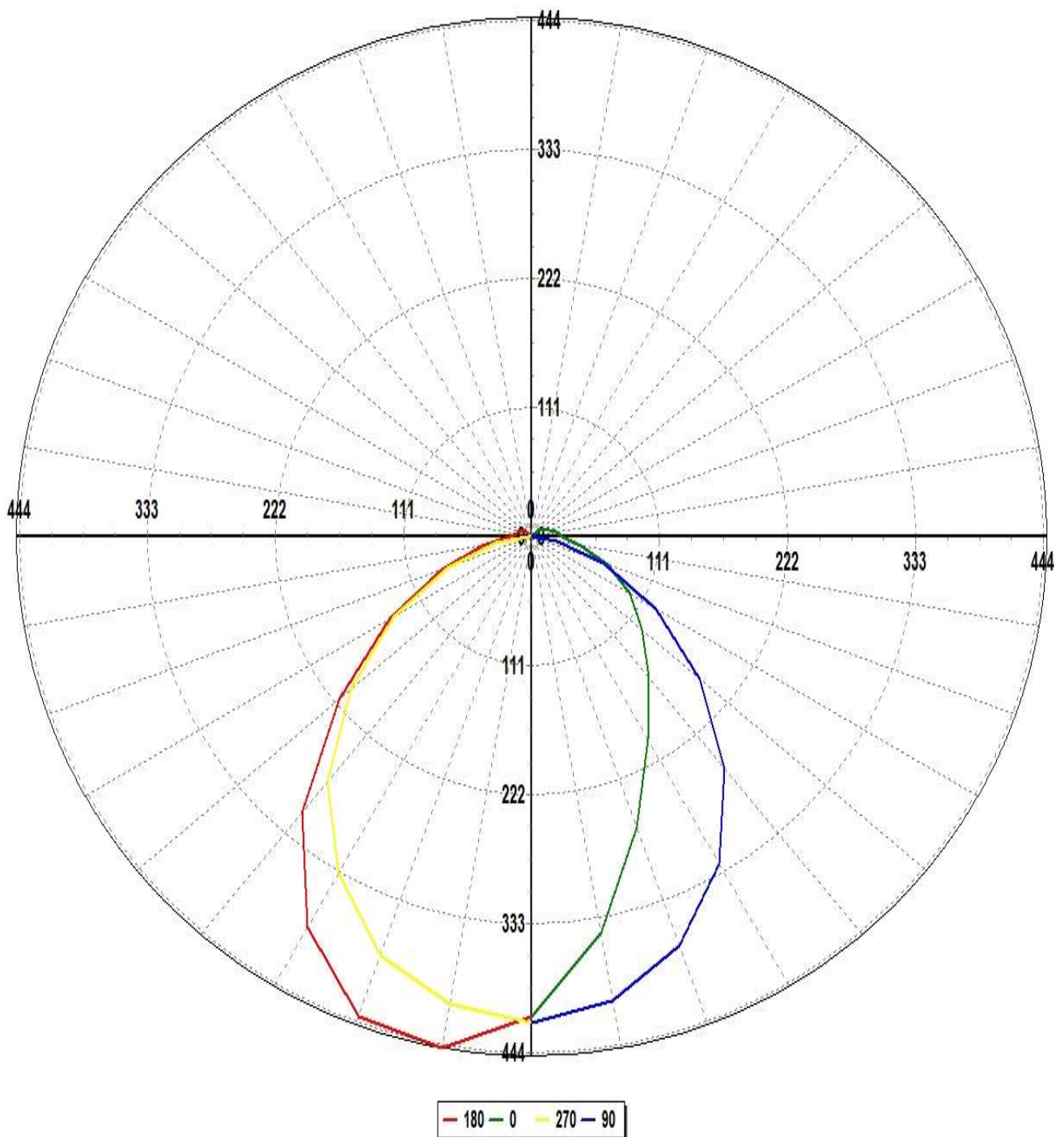
Total flux (lm) 458

Power Factor

Date 1

2023-08-03 오후 2:37:54

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Current (A)

Operator: 2

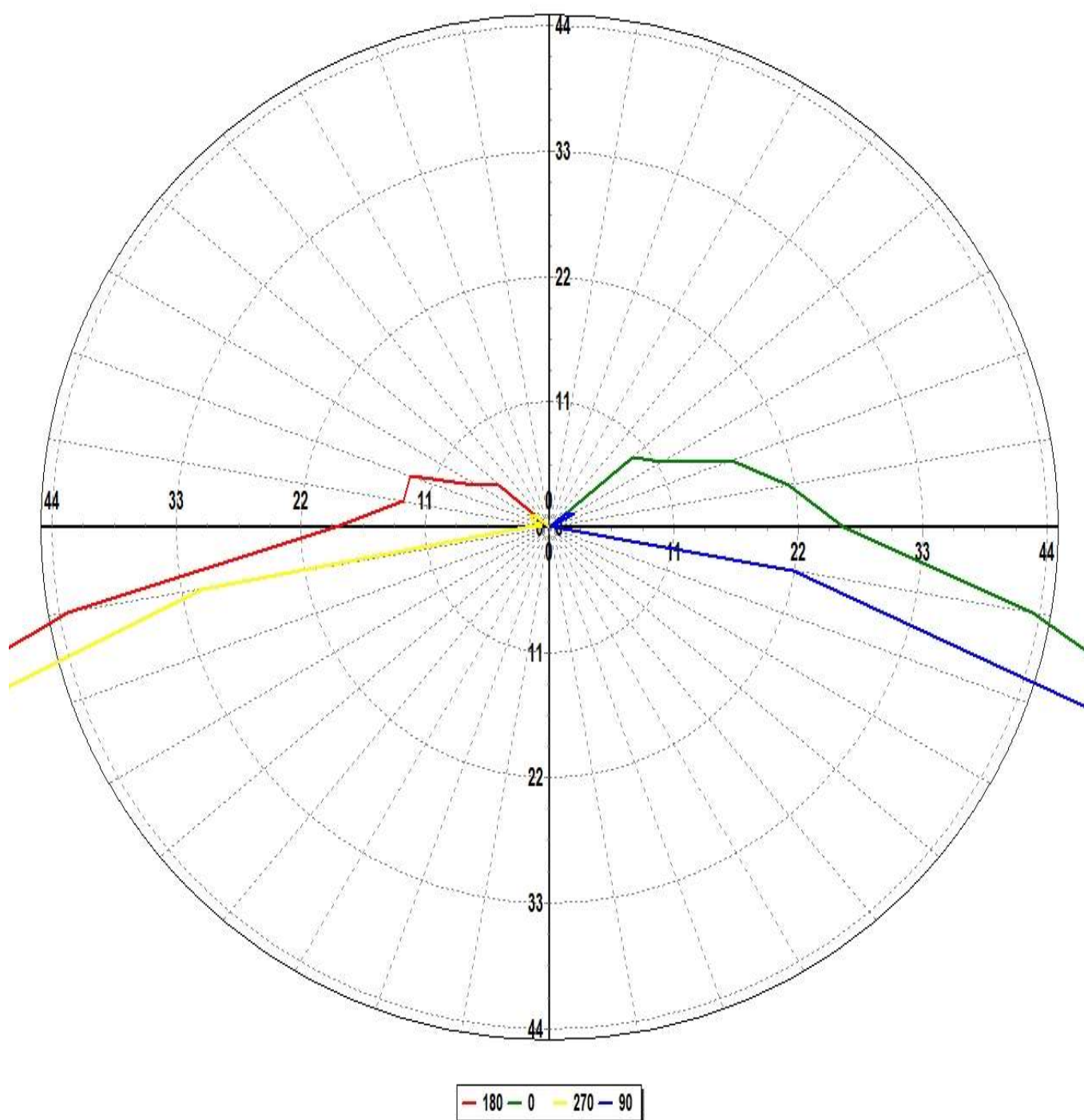
Total flux (lm) 458

Power Factor

Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Power Factor

Date 1

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Luminous Intensity Data

Maximum (cd) : 205

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	189.36	189.74	190.71	191.72	191.9	194.33	189.36	189.74	190.71	191.72	191.9
10	158.36	161.46	173.41	185.63	196.74	203.28	204.55	202.53	196.53	187.24	178.23
20	122.3	128.17	147.44	171.54	188.33	196.58	200.88	199.01	190.23	175.34	152.17
30	92.24	98.01	117.99	149.22	168.57	170.97	177.83	178.84	173.86	153.43	122.22
40	72.26	74.31	89.52	119.39	138.68	134.81	141.77	144.95	144.4	126.33	93.97
50	57.07	56.7	64.68	87.35	101.83	95.33	99.35	105.65	109.29	93.6	68.73
60	45.02	42.39	44.36	57.07	67.3	60.81	64.8	68.98	74.03	63.22	47.29
70	32.31	28.31	27.19	30.31	37.9	35.72	37.78	41.16	43.53	35.74	30.72
80	19.83	16.25	13.3	10.01	16.03	16.43	19.81	20.32	20.41	14.28	15.56
90	11.92	10.16	5.06	0.2	4.24	6.93	8.69	7.8	5.01	0.98	5.75
100	9.84	7.69	3.59	0.29	3.32	4.9	5.97	5.82	2.93	0.32	4.81
110	7.82	6.25	3.21	0.14	2.65	4.48	5.99	4.96	3.09	0.71	3.8
120	5.27	6.79	0.85	1.16	0.22	4.16	3.4	4.17	1.06	0.92	1.64
130	4.4	2.83	3.17	0.82	2.29	1.15	2.66	2.07	2.22	0.79	2.97

Luminaire KH FEELUX

Lamp			Report	230803
No. of lamps	1	Voltage (V)	Filename	230803 CDV4 30K-24V F2206 VER2.02 28SS9.jdt
Lamp flux (lm)	458	Current (A)	Operator	2
Total flux (lm)	458	Power Factor	Date	1 2023-08-03 오후 2:37:54

Luminous Intensity Data (Continued)

Maximum (cd) : 205

Minimum (cd) : 0

G/C	330	360
0	194.33	189.36
10	169.14	158.36
20	135.89	122.3
30	103.94	92.24
40	78.63	72.26
50	60.15	57.07
60	46.07	45.02
70	32.76	32.31
80	19.45	19.83
90	10.42	11.92
100	7.93	9.84
110	6.82	7.82
120	5.99	5.27
130	2.94	4.4

Luminaire KH FEELUX

Lamp			Report	230803
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Luminous Flux Table

Total Lamp Lumens:	457.69
Luminaire Efficiency (lm/W):	109.61
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.57	4.57	1.00	1.00
10	35.14	39.71	8.68	8.68
20	62.68	102.39	22.37	22.37
30	77.90	180.29	39.39	39.39
40	79.73	260.02	56.81	56.81
50	69.90	329.92	72.08	72.08
60	53.86	383.78	83.85	83.85
70	35.46	419.23	91.60	91.60
80	18.13	437.36	95.56	95.56
90	7.04	444.41	97.10	97.10
100	5.16	449.57	98.22	98.22
110	4.28	453.85	99.16	99.16
120	2.82	456.66	99.77	99.78
130	1.03	457.69	100.00	100.00

Luminaire KH FEELUX

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Current (A)

Operator: 2

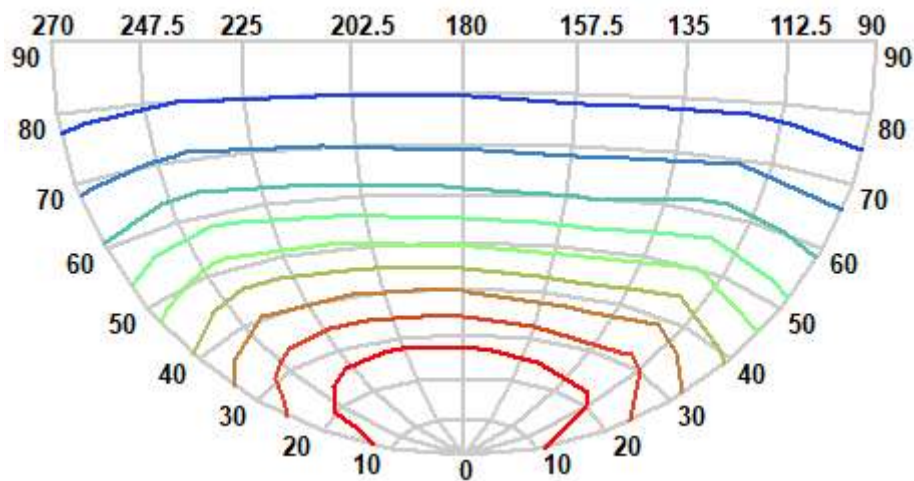
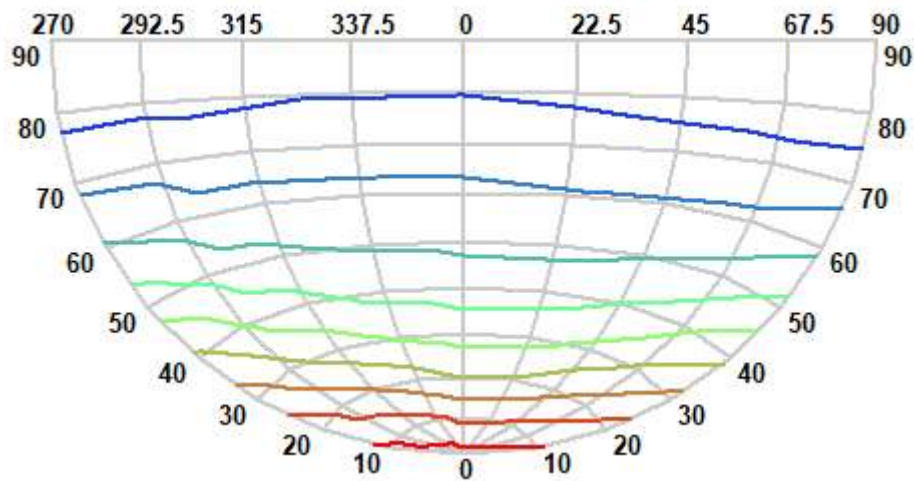
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IsoCandela (Type C)



0 ~ 21	102 ~ 123
21 ~ 41	123 ~ 143
41 ~ 61	143 ~ 164
61 ~ 82	164 ~ 184
82 ~ 102	184 ~ 205

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Current (A)

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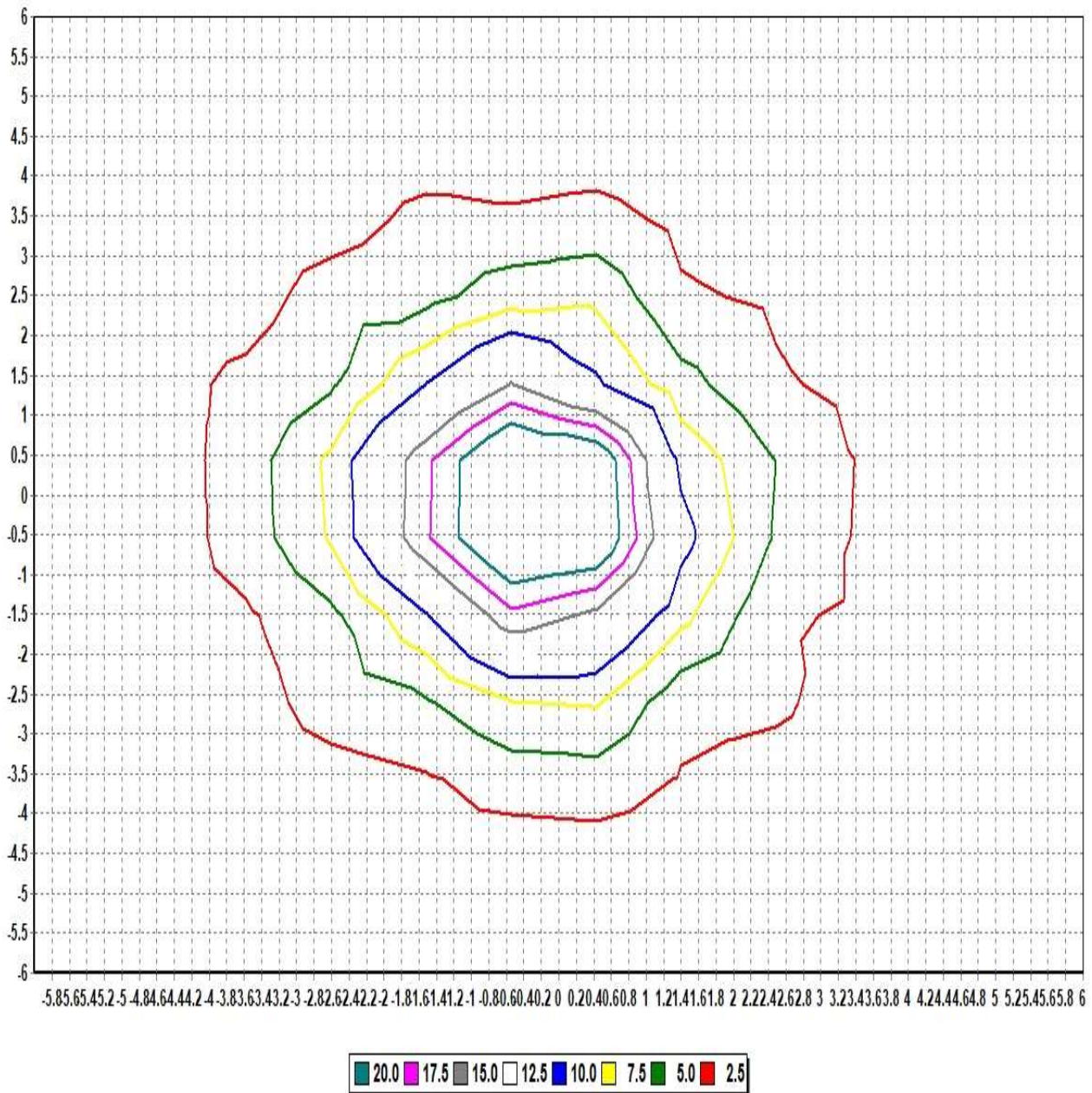
Total flux (lm) 458

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

230803

No. of lamps 1

Voltage (V)

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Lamp flux (lm) 458

Current (A)

Operator: 2

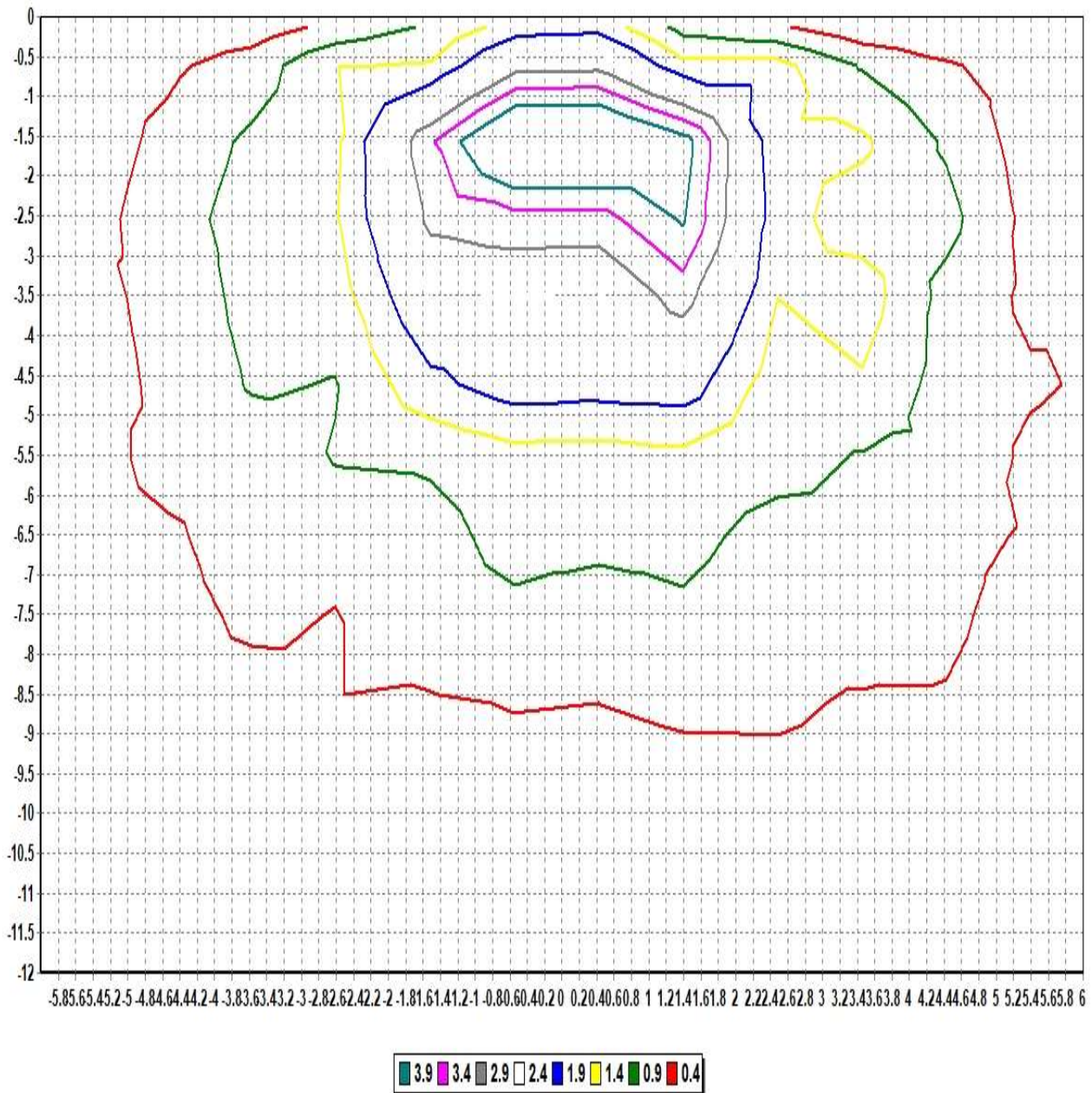
Total flux (lm) 458

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)	23.969
Lamp flux (lm)	458	Current (A)	0.1742
Total flux (lm)	458	Power Factor	1

Report

230803

Filename 230803 CDV4 30K-24V F2206 VER2.02 28SS9.jdt

Operator

Date

2023-08-03 오후 2:37:54

Illuminance Levels (Ground)

6.00	0.21	0.28	0.19	0.30	0.36	0.33	0.39	0.35	0.27	0.22	0.17	0.20	0.16
5.00	0.29	0.23	0.32	0.44	1.07	0.96	1.21	1.03	0.66	0.36	0.26	0.20	0.21
4.00	0.22	0.35	0.88	1.26	1.32	1.32	1.66	1.34	0.84	0.88	0.56	0.28	0.19
3.00	0.31	0.49	1.34	1.49	3.29	3.68	3.85	2.28	2.36	1.00	0.81	0.39	0.22
2.00	0.38	1.09	1.33	3.63	4.84	8.62	9.23	4.82	2.84	2.00	0.84	0.64	0.28
1.00	0.44	1.27	1.67	3.80	8.73	15.62	20.95	9.75	4.70	2.17	1.12	0.79	0.35
0.00	0.47	1.38	1.89	4.43	10.98	23.12	25.97	17.78	5.64	2.47	1.20	0.81	0.36
-1.00	0.43	1.26	1.66	3.95	9.14	17.49	21.14	13.72	5.84	2.50	1.12	0.78	0.34
-2.00	0.40	1.13	1.37	3.81	5.31	9.16	9.66	6.19	4.15	2.20	0.94	0.74	0.30
-3.00	0.33	0.52	1.40	1.61	3.93	4.09	4.11	2.99	3.32	1.31	0.88	0.40	0.24
-4.00	0.23	0.37	0.95	1.51	1.39	1.78	1.81	1.79	0.98	1.23	0.76	0.29	0.20
-5.00	0.30	0.26	0.41	0.59	1.17	1.30	1.30	1.35	0.83	0.50	0.33	0.22	0.22
-6.00	0.23	0.33	0.27	0.33	0.42	0.45	0.45	0.48	0.32	0.25	0.22	0.27	0.19
-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.) : 25.975

Illum. (Min.) : 0.1551

Illum. (Avg.) : 2.5318

All illuminance level values are in lux.



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Current (A)

Operator: 2

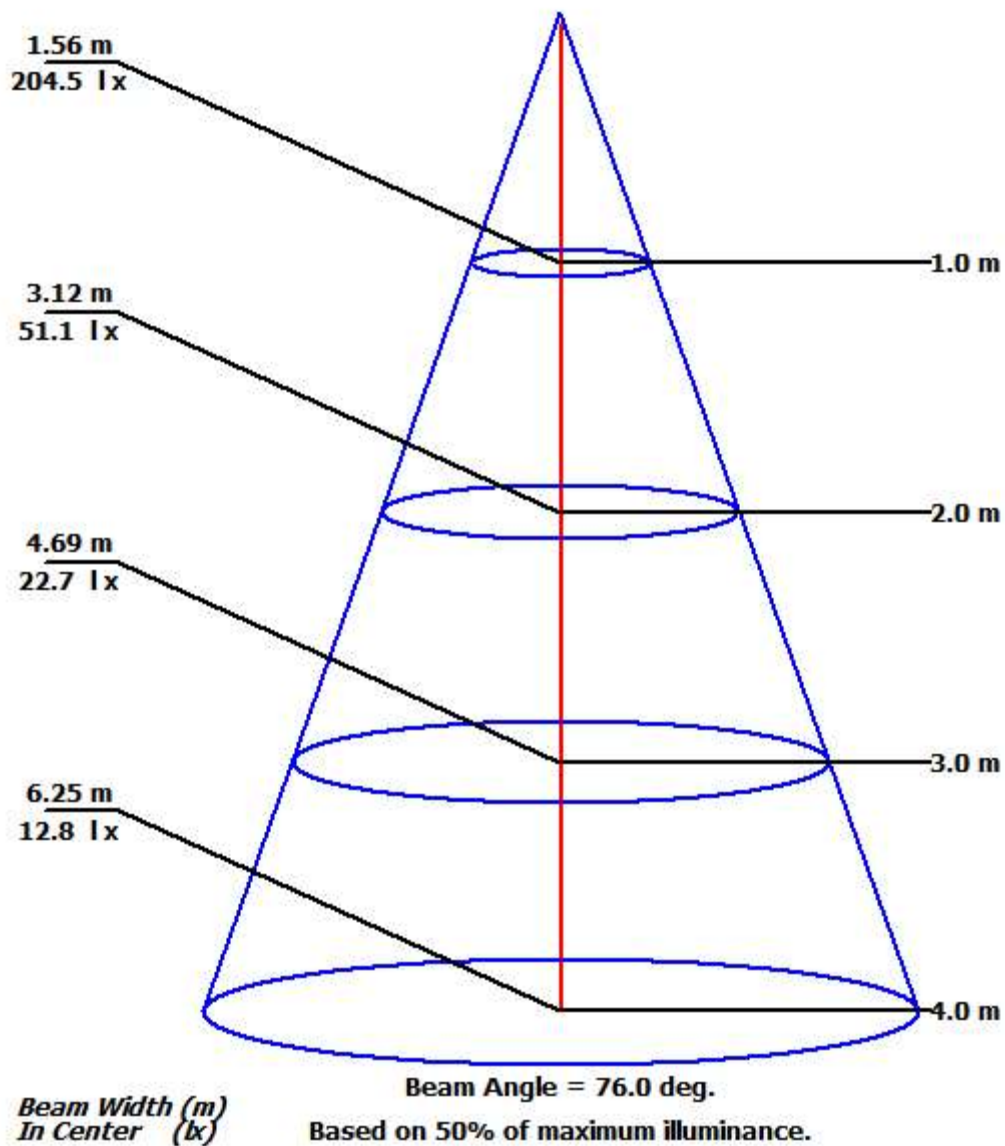
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Power Factor

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1 Voltage (V) 23.969

Filename 230803 CDV4 30K-24V F2206 VER2.02 28SS9.jdt

Lamp flux (lm) 458 Current (A) 0.1742

Operator

Total flux (lm) 458 Power Factor 1

Date 2023-08-03 오후 2:37:54

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