

# 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 40K-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		0.3832 , 0.3809	
Correlated Color Temperature	K	3957	
Ra		93.53	
Power Factor		1.000	
Input Voltage	V	23.971	
Input Current	A	0.173	
Input Watt	W	4.1554	
Lamp Flux	lm	478	
Efficient	lm/W	115.03	
luminous Intensity (Max , Center)	cd	214 , 214	
Illuminance	lx	214	1 m
		53	2 m
		24	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 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

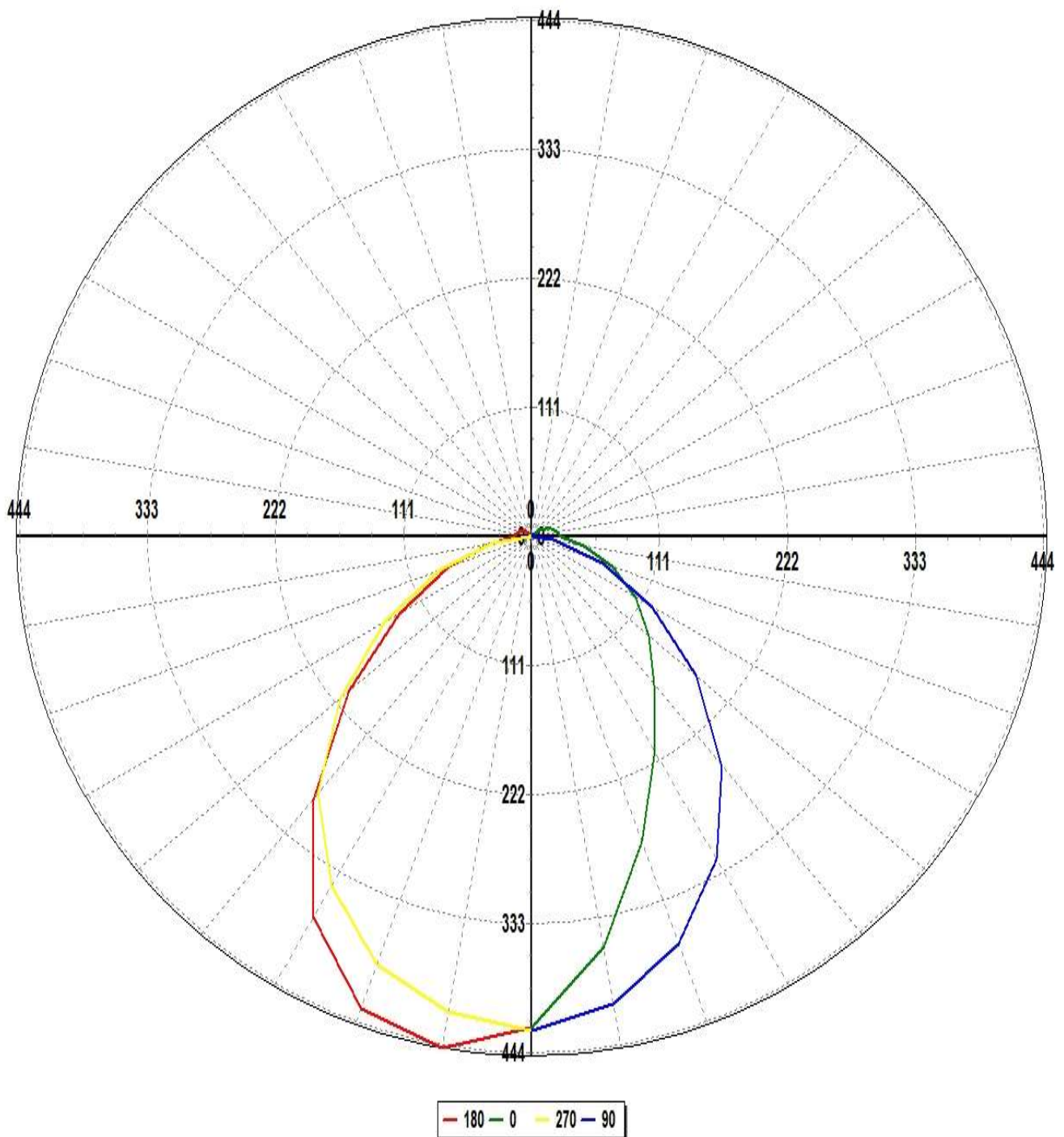
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

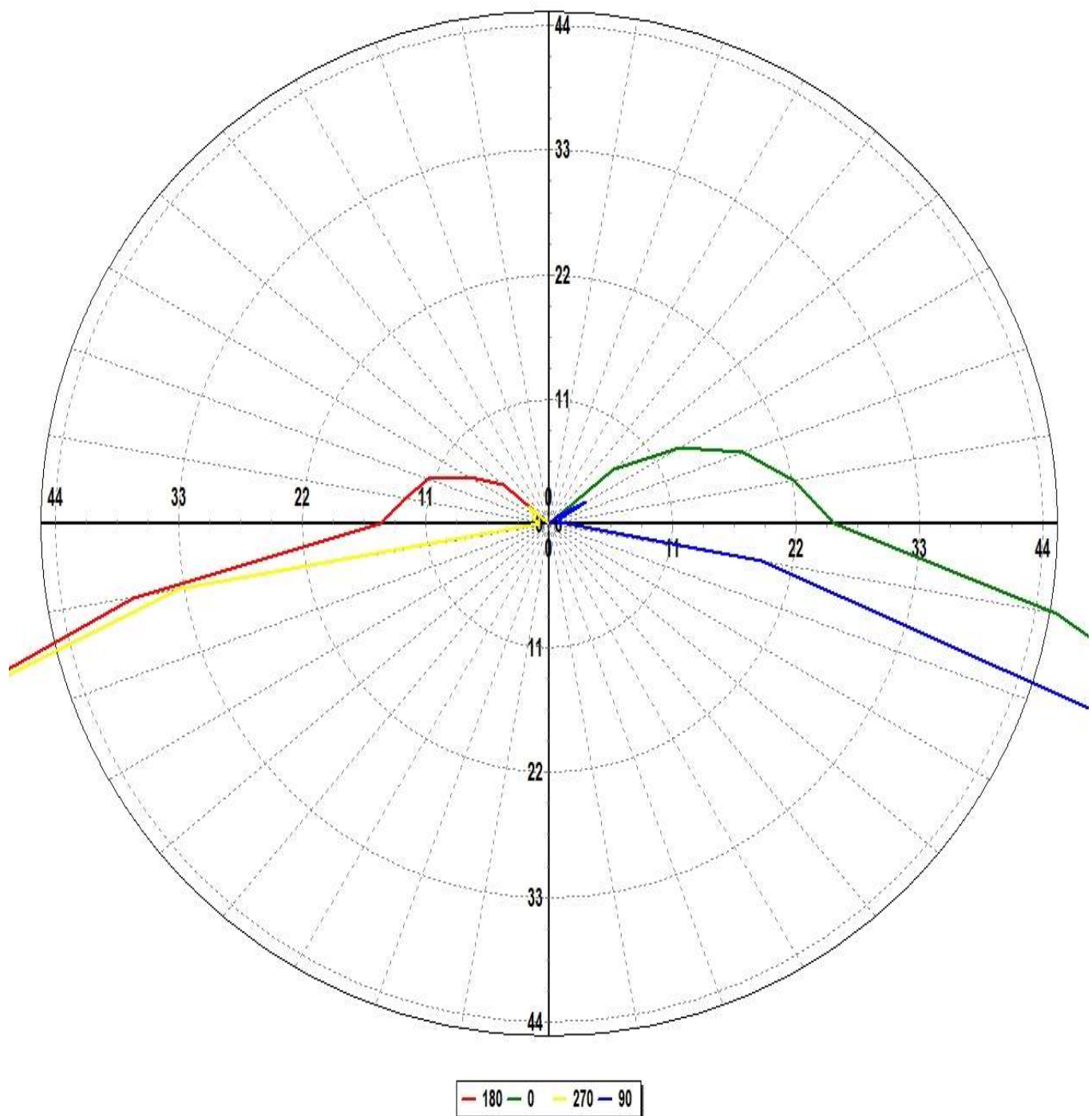
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Luminous Intensity Data

Maximum (cd) : 214

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	201.93	201.21	200.94	203.1	202.56	203.49	201.93	201.21	200.94	203.1	202.56
10	171.86	173.69	183.89	195.18	203.14	209.86	213.67	212.94	207.13	198.48	188.66
20	133.38	138.83	156.84	178.49	193.14	197.2	206.57	206.04	200.74	187.1	165.17
30	102.02	106.09	124.92	153.35	170.3	170.6	181.14	182.54	183.15	165.77	134.85
40	79.23	80.62	93.85	123	136.53	132.63	140.96	147.94	151.11	137.87	104.94
50	63.48	60.82	68.4	88.87	100.54	92.39	98.75	106.61	114.93	103.25	76.76
60	49.94	45.88	47.29	57.82	64.39	58.75	63.14	69.61	78.29	70.47	53.52
70	35.73	31.4	28.67	31.48	36.36	33.06	36.47	40.94	44.83	40.38	33.39
80	21.94	18.5	12.79	9.19	13.86	13.99	17.98	19.68	19.67	15.98	16.85
90	12.14	10.03	4.96	0.75	4.21	6.74	7.19	7.62	5.13	0.4	6.67
100	10.58	8.56	4.25	0.37	3.03	5.42	6.21	5.87	4.08	0.61	4.66
110	8.78	8.41	3.67	0.49	2.47	5.08	5.47	5.23	3.08	0.79	4.34
120	6.46	6.98	0.9	1.8	0.66	4.93	3.91	5.01	0.3	0.81	0.44
130	3.58	2.86	2.96	0.66	2.51	1.32	2.54	2.8	2.48	1.13	3.42

Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Luminous Intensity Data (Continued)

Maximum (cd) : 214

Minimum (cd) : 0

G/C	330	360
0	203.49	201.93
10	181.38	171.86
20	148.51	133.38
30	113.74	102.02
40	87.65	79.23
50	66.65	63.48
60	51.28	49.94
70	36.72	35.73
80	22.01	21.94
90	11.23	12.14
100	8.41	10.58
110	7.39	8.78
120	6.82	6.46
130	3.13	3.58

Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Luminous Flux Table

Total Lamp Lumens: 478.04

Luminaire Efficiency (lm/W): 115.04

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.83	4.83	1.01	1.01
10	37.08	41.92	8.77	8.77
20	65.93	107.85	22.56	22.56
30	81.62	189.46	39.64	39.63
40	83.09	272.56	57.02	57.02
50	72.81	345.37	72.25	72.25
60	56.15	401.52	84.00	83.99
70	36.83	438.35	91.70	91.70
80	18.20	456.55	95.51	95.50
90	7.03	463.58	96.98	96.98
100	5.58	469.16	98.15	98.14
110	4.73	473.89	99.14	99.13
120	3.08	476.98	99.79	99.78
130	1.06	478.04	100.01	100.00



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

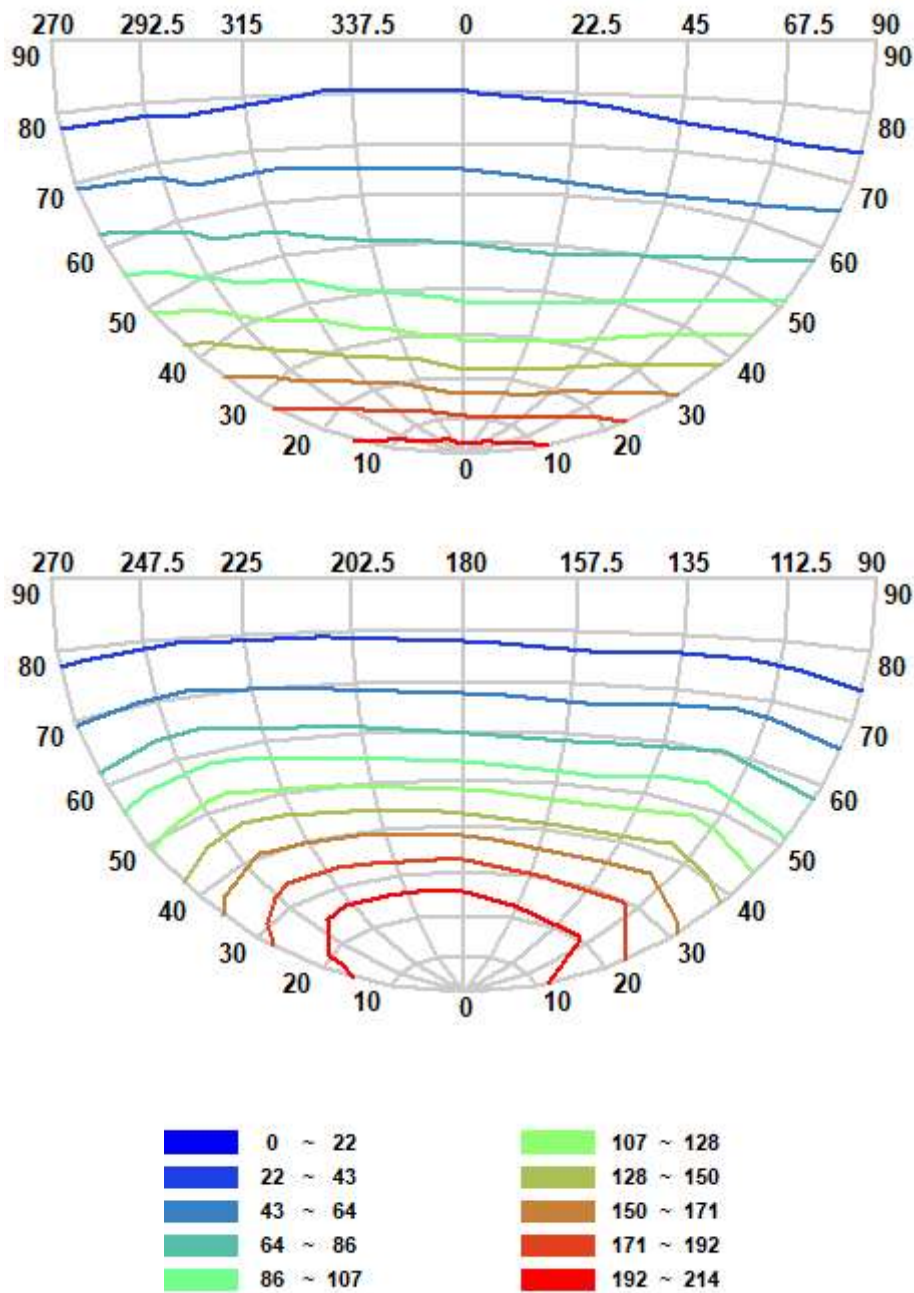
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## IsoCandela (Type C)





Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

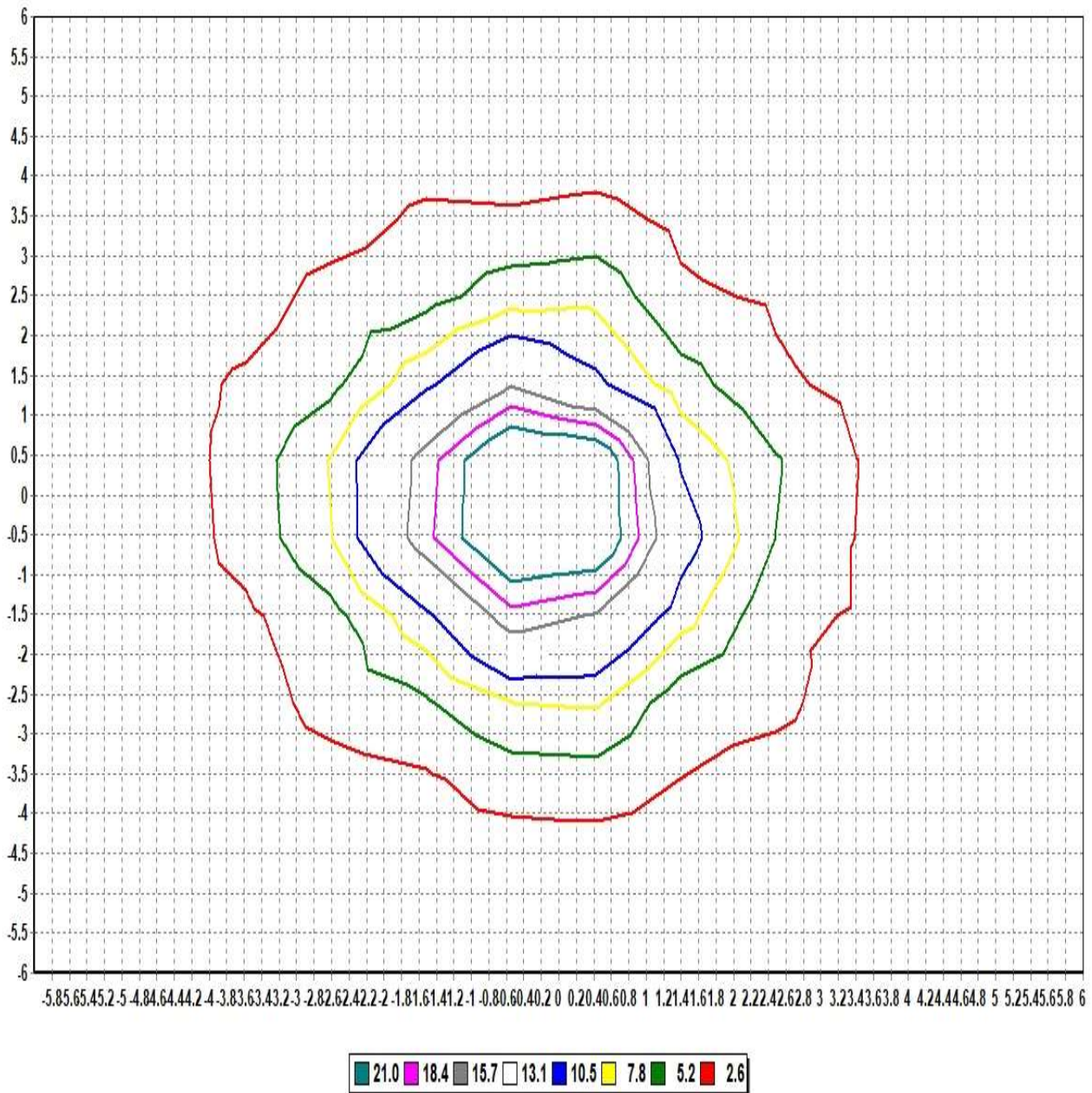
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## 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)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

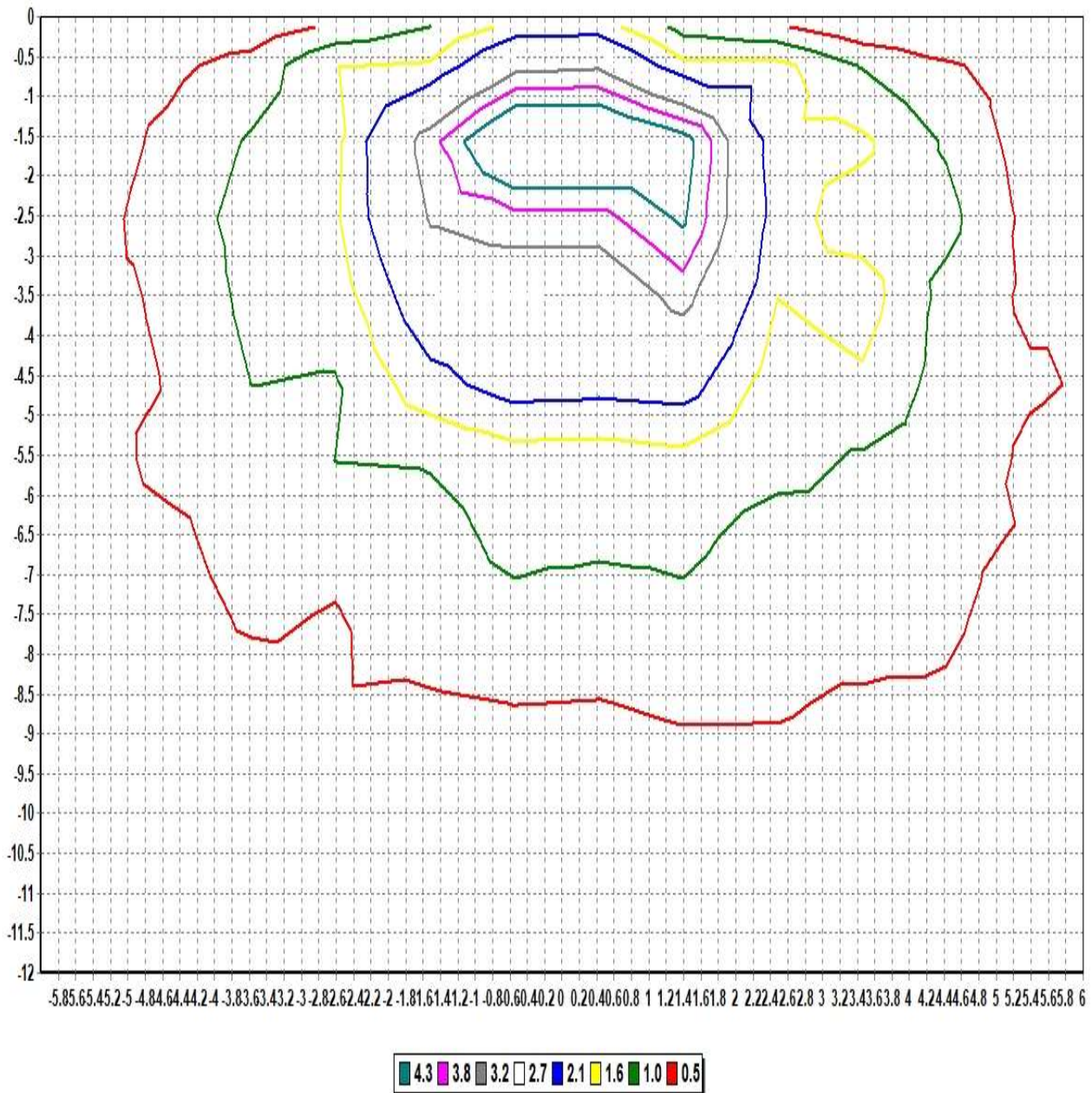
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## 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)	23.971
Lamp flux (lm)	478	Current (A)	0.17335
Total flux (lm)	478	Power Factor	1

Report

230803

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Operator

Date

2023-08-03 오후 2:48:29

## Illuminance Levels (Ground)

6.00	0.21	0.27	0.20	0.29	0.36	0.35	0.40	0.37	0.29	0.24	0.18	0.22	0.17
5.00	0.28	0.23	0.33	0.45	1.06	1.00	1.23	1.06	0.71	0.38	0.28	0.22	0.23
4.00	0.21	0.33	0.87	1.27	1.28	1.36	1.69	1.38	0.91	0.93	0.61	0.31	0.21
3.00	0.30	0.46	1.30	1.47	3.36	3.67	3.93	2.43	2.49	1.09	0.89	0.43	0.25
2.00	0.36	1.07	1.28	3.56	4.86	8.54	9.50	5.21	3.10	2.19	0.91	0.70	0.31
1.00	0.42	1.25	1.63	3.73	8.61	15.97	22.02	10.64	5.10	2.36	1.25	0.88	0.39
0.00	0.45	1.37	1.86	4.40	11.03	24.14	27.70	19.30	6.20	2.74	1.33	0.90	0.40
-1.00	0.41	1.23	1.62	3.97	9.30	17.89	22.41	14.91	6.52	2.78	1.24	0.87	0.38
-2.00	0.40	1.14	1.38	3.80	5.33	9.37	10.50	6.88	4.58	2.45	1.06	0.83	0.33
-3.00	0.33	0.50	1.39	1.60	4.11	4.20	4.52	3.32	3.64	1.46	0.97	0.45	0.27
-4.00	0.23	0.37	0.95	1.58	1.42	1.92	2.01	1.94	1.10	1.36	0.85	0.32	0.22
-5.00	0.30	0.26	0.43	0.62	1.19	1.41	1.44	1.45	0.93	0.56	0.37	0.24	0.24
-6.00	0.23	0.35	0.27	0.34	0.43	0.50	0.50	0.51	0.36	0.27	0.24	0.30	0.21
-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.) : 27.699

Illum. (Min.) : 0.1703

Illum. (Avg.) : 2.6547

All illuminance level values are in lux.





Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A)

Operator 35

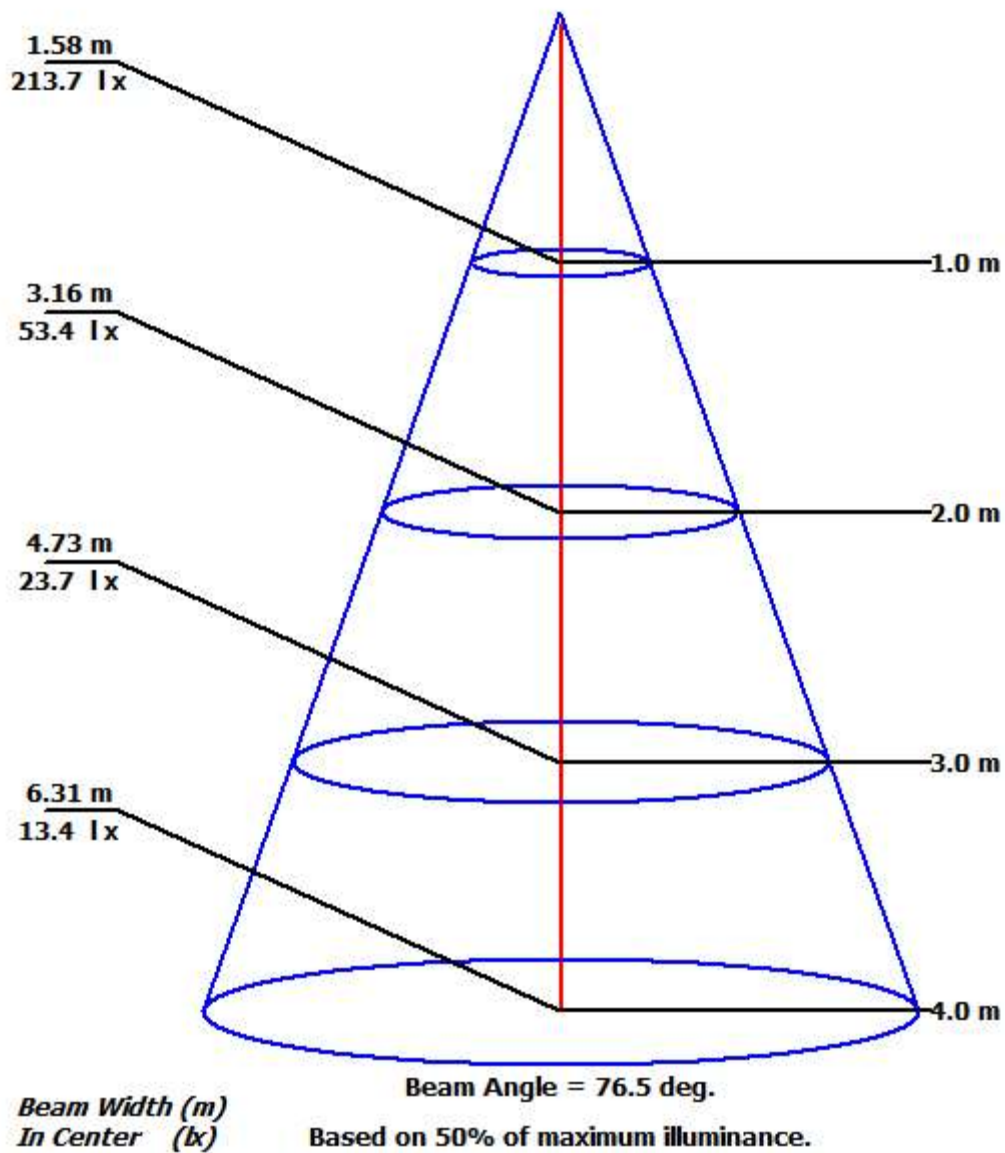
Total flux (lm) 478

Power Factor

Date 1

2023-08-03 오후 2:48:29

## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V) 23.971

Filename 230803 CDV4 40K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 478

Current (A) 0.17335

Operator

Total flux (lm) 478

Power Factor 1

Date

2023-08-03 오후 2:48:29

## 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