

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 CDV8 40K-24V F2208 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		0.3838 , 0.3816	
Correlated Color Temperature	K	3945	
Ra		93.39	
Power Factor		1.000	
Input Voltage	V	23.949	
Input Current	A	0.348	
Input Watt	W	8.341	
Lamp Flux	lm	968.5	
Efficient	lm/W	116.12	
luminous Intensity (Max , Center)	cd	432 , 432	
Illuminance	lx	432	1 m
		108	2 m
		48	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 CDV8 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 969

Current (A)

Operator 27

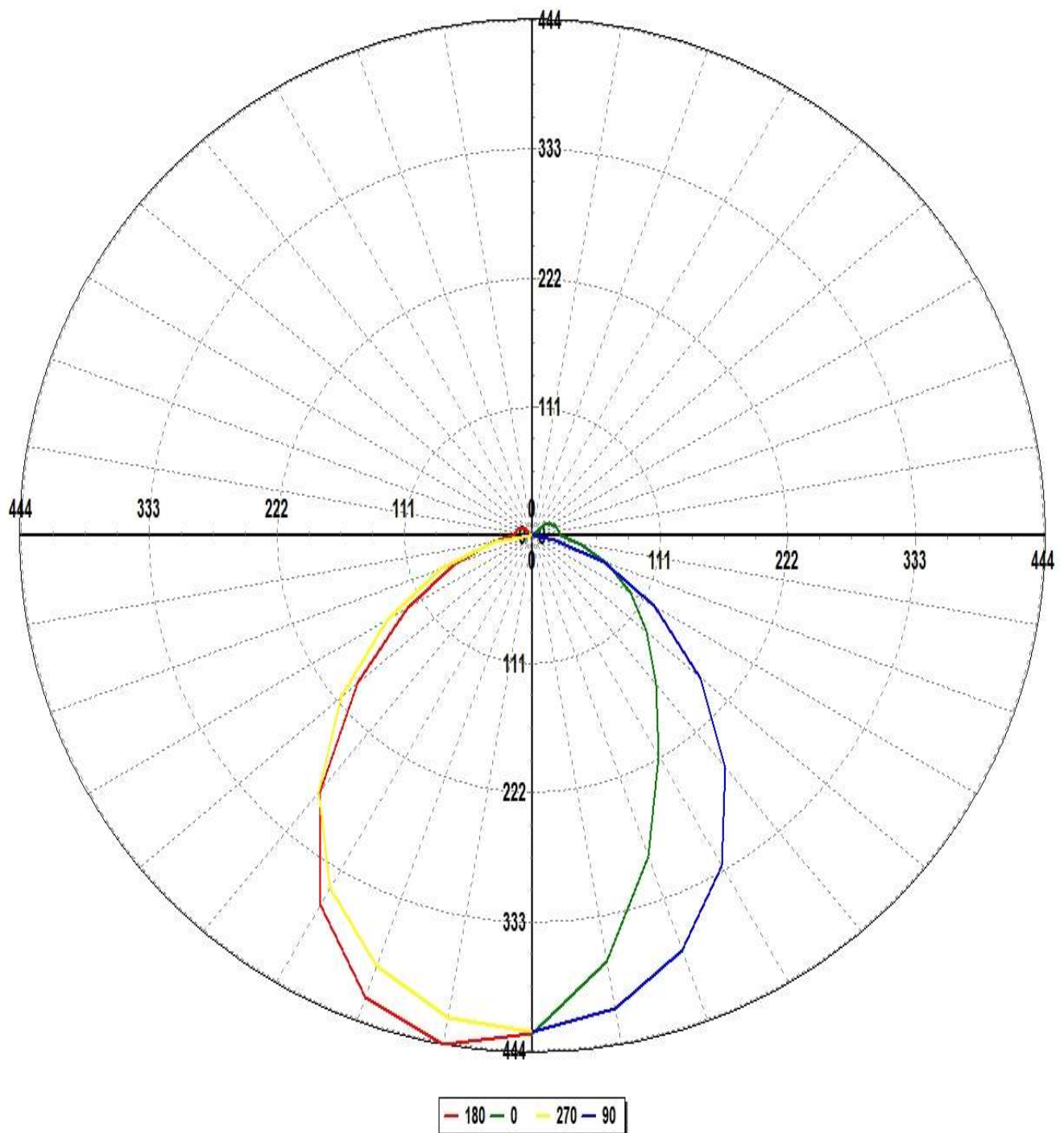
Total flux (lm) 969

Power Factor

Date 1

2023-08-03 오후 4:13:31

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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230803

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Lamp flux (lm) 969

Current (A)

Operator 27

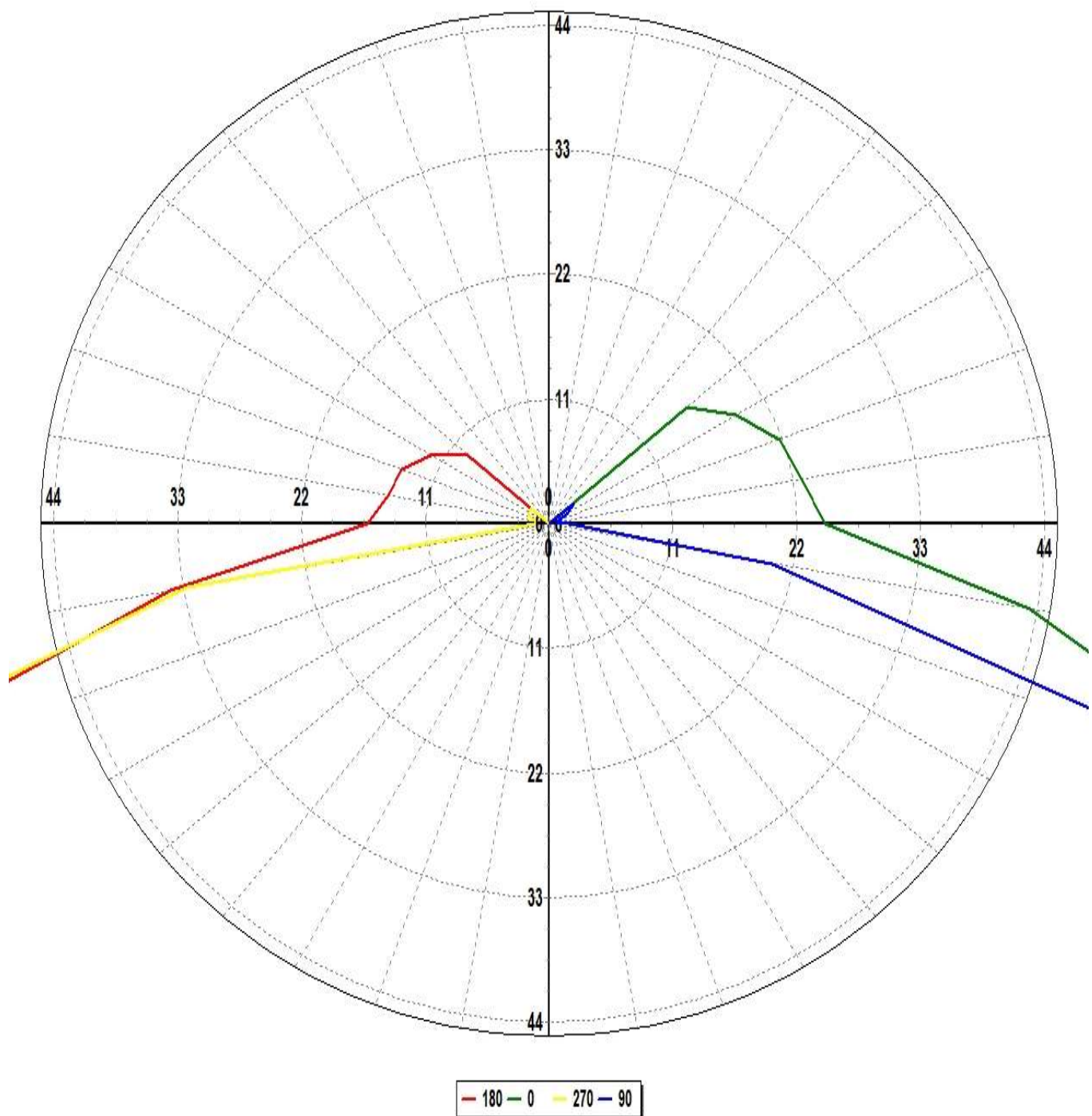
Total flux (lm) 969

Power Factor

Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A)

Operator 27

Total flux (lm) 969

Power Factor

Date 1

2023-08-03 오후 4:13:31

Luminous Intensity Data

Maximum (cd) : 432

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	416.03	413.37	413.59	414.35	416.31	417.12	416.03	413.37	413.59	414.35	416.31
10	361.48	366.03	380.9	400.86	413.7	420.39	431.51	429.01	421.49	408.41	393.34
20	284.71	294.81	329.68	368.07	389.28	393.74	411.15	410.93	404.12	382.26	347.01
30	213.11	222.42	265.19	318.66	341.33	337.45	356.05	362.27	362.73	340.22	285.74
40	161.74	165.91	199.18	252.72	274.48	260.67	277.91	289.43	301.06	279.76	219.11
50	125.06	124.16	141.46	184.65	201.01	182.58	191.84	208.47	225.88	210	158.65
60	95.67	89.47	96.02	118.87	130.48	114	121.29	135.35	152.99	141.54	108.28
70	67.28	60.43	57.94	63.96	72.08	62.54	68.99	78.41	88.83	81.47	67.3
80	42.01	35.49	26.51	19.51	28.06	27.42	33.09	36.58	38.68	31.6	33.57
90	23.77	20.27	10.87	1.67	8.97	14.07	15.65	14.28	10.6	1.18	12.38
100	22.01	19.8	11.14	0.66	8.13	13.31	14.12	13.38	8.37	1.29	10.93
110	21.11	18.75	7.88	0.88	5.82	12.64	13.53	13.38	7.22	1.96	10.86
120	18.57	14.64	2.19	1.86	2.31	9.59	11.73	11.83	1.82	1.97	2.12
130	15.49	8.82	6.55	2.76	5.41	2.12	9.33	6.1	5.21	2.01	7.06

Luminaire KH FEELUX

Lamp

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230803

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Current (A)

Operator 27

Total flux (lm) 969

Power Factor

Date 1

2023-08-03 오후 4:13:31

Luminous Intensity Data (Continued)

Maximum (cd) : 432

Minimum (cd) : 1

G/C	330	360
0	417.12	416.03
10	379.32	361.48
20	313.9	284.71
30	240.49	213.11
40	179.57	161.74
50	134.53	125.06
60	99.18	95.67
70	68.41	67.28
80	41.97	42.01
90	22.13	23.77
100	18.74	22.01
110	18.27	21.11
120	16.78	18.57
130	9.69	15.49

Luminaire KH FEELUX

Lamp			Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV8 40K-24V F2208 VER2.02 28SS9.jdt	
Lamp flux (lm)	969	Current (A)	Operator: 27	
Total flux (lm)	969	Power Factor	Date	1 2023-08-03 오후 4:13:31

Luminous Flux Table

Total Lamp Lumens:	968.49
Luminaire Efficiency (lm/W):	116.11
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	9.93	9.93	1.02	1.02
10	76.18	86.10	8.89	8.89
20	135.15	221.26	22.85	22.85
30	166.37	387.62	40.02	40.02
40	167.88	555.50	57.36	57.36
50	146.01	701.51	72.43	72.43
60	110.91	812.41	83.88	83.88
70	71.84	884.25	91.30	91.30
80	35.46	919.71	94.96	94.96
90	14.22	933.93	96.43	96.43
100	12.75	946.69	97.75	97.75
110	11.35	958.03	98.92	98.92
120	7.54	965.58	99.70	99.70
130	2.92	968.49	100.00	100.00

Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V)

Filename 230803 CDV8 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 969

Current (A)

Operator 27

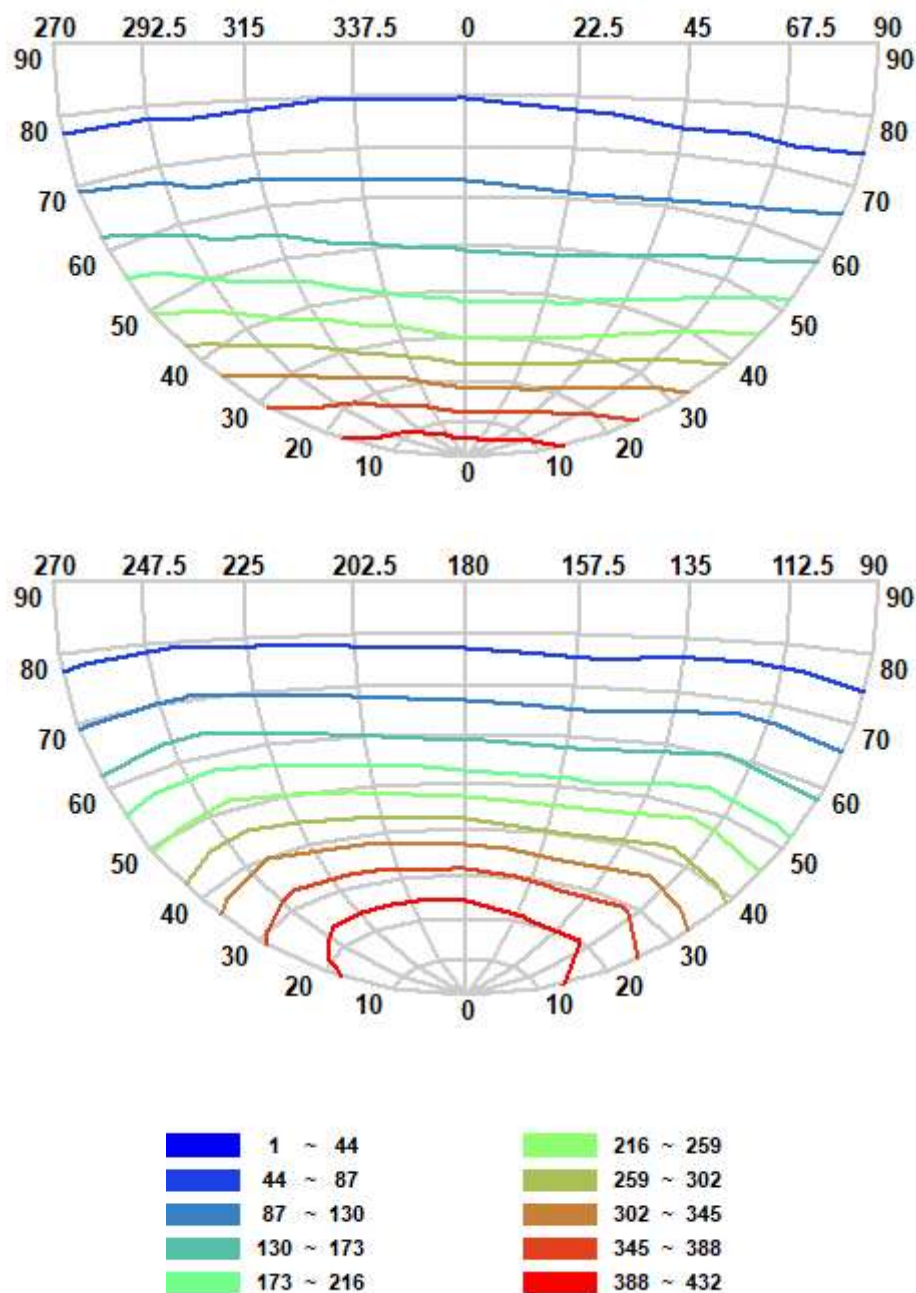
Total flux (lm) 969

Power Factor

Date 1

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IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 969

Current (A)

Operator 27

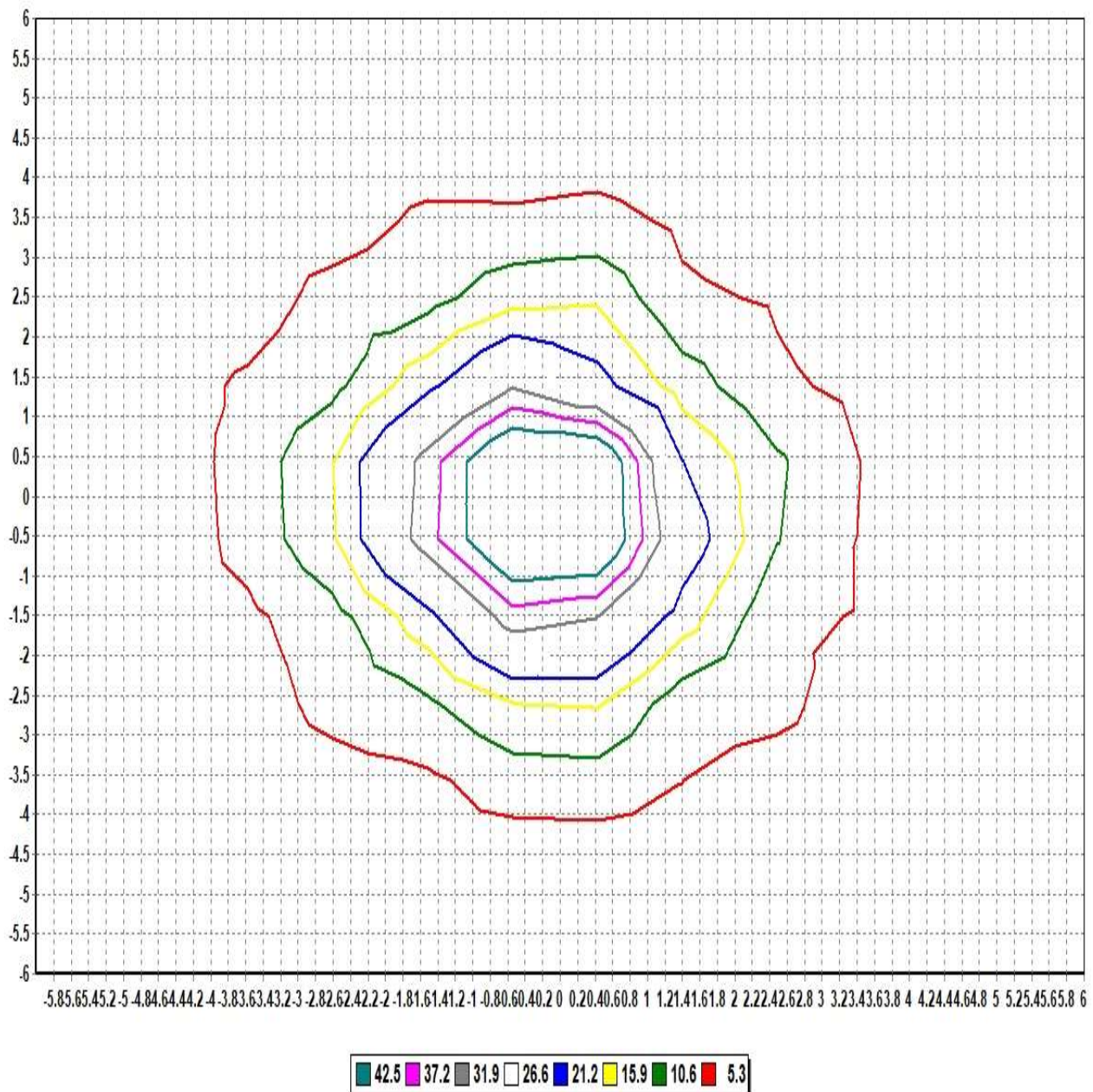
Total flux (lm) 969

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)

Filename 230803 CDV8 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 969

Current (A)

Operator 27

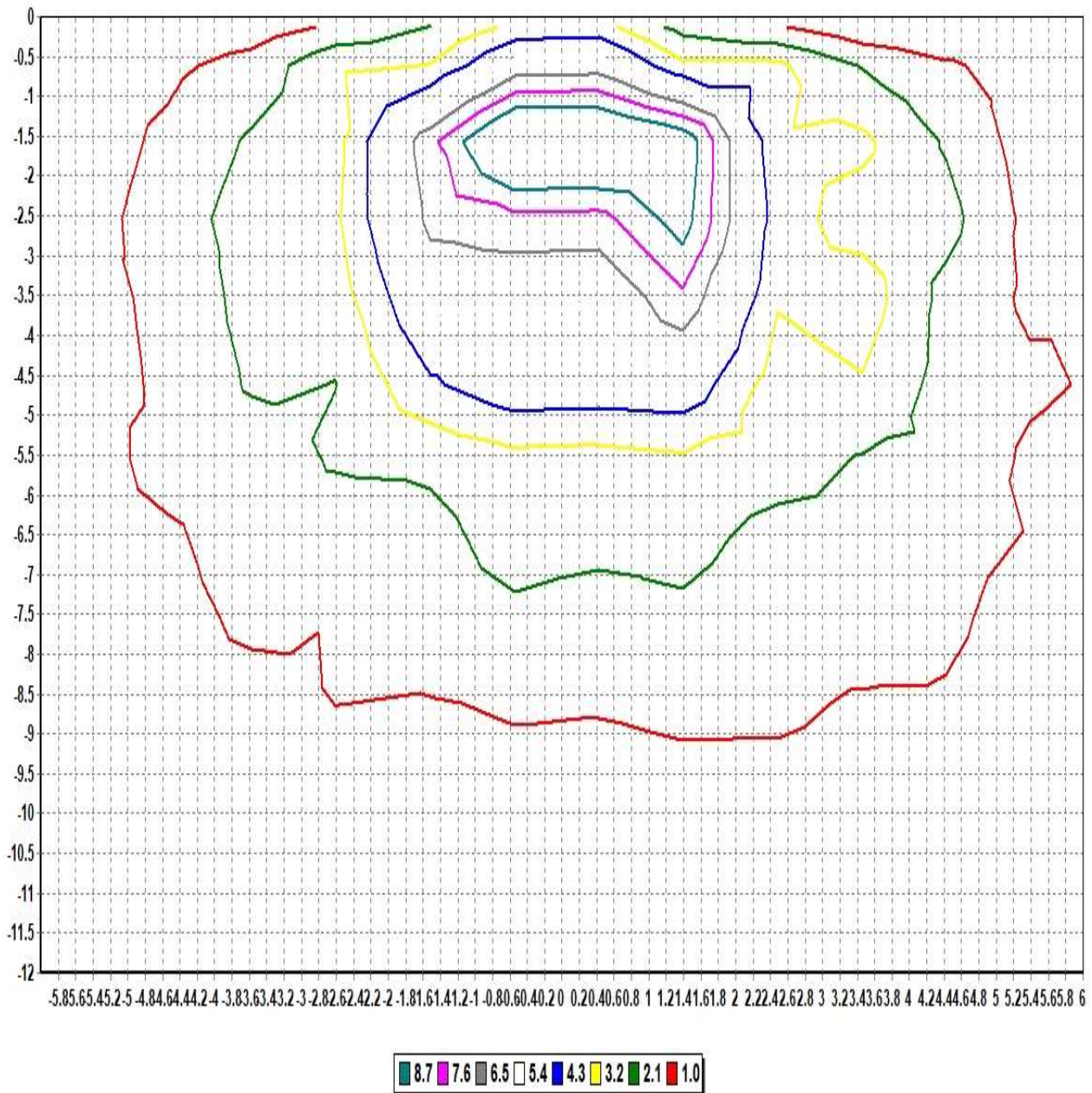
Total flux (lm) 969

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)	23.949
Lamp flux (lm)	969	Current (A)	0.34827
Total flux (lm)	969	Power Factor	1

Report

230803

Filename 230803 CDV8 40K-24V F2208 VER2.02 28SS9.jdt

Operator

Date

2023-08-03 오후 4:13:31

Illuminance Levels (Ground)

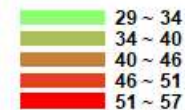
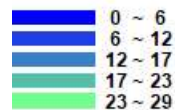
6.00	0.43	0.56	0.40	0.59	0.72	0.70	0.83	0.75	0.58	0.47	0.36	0.43	0.33
5.00	0.55	0.46	0.66	0.92	2.14	2.06	2.56	2.20	1.44	0.78	0.55	0.41	0.44
4.00	0.39	0.65	1.78	2.61	2.59	2.81	3.49	2.85	1.78	1.92	1.21	0.59	0.40
3.00	0.59	0.89	2.58	3.00	6.90	7.44	8.14	5.00	5.24	2.13	1.76	0.82	0.48
2.00	0.71	2.13	2.58	7.02	9.88	17.20	19.62	10.77	6.28	4.44	1.78	1.40	0.60
1.00	0.80	2.44	3.16	7.42	17.26	32.56	45.22	22.38	10.50	4.75	2.44	1.74	0.73
0.00	0.86	2.65	3.59	8.58	21.71	48.74	57.07	40.61	12.78	5.44	2.58	1.77	0.75
-1.00	0.78	2.41	3.15	7.74	18.22	35.41	46.10	31.00	13.60	5.71	2.43	1.71	0.72
-2.00	0.76	2.22	2.69	7.45	10.42	18.39	21.41	14.32	9.40	5.01	2.13	1.69	0.66
-3.00	0.63	0.96	2.71	3.10	8.14	8.23	9.19	6.82	7.40	2.96	1.97	0.85	0.54
-4.00	0.43	0.70	1.84	3.09	2.76	3.83	4.06	3.84	2.23	2.76	1.73	0.63	0.41
-5.00	0.58	0.49	0.83	1.22	2.33	2.83	2.93	2.88	1.90	1.12	0.75	0.49	0.47
-6.00	0.44	0.68	0.54	0.65	0.84	0.99	1.01	1.02	0.73	0.55	0.49	0.60	0.43
-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.) : 57.069

Illum. (Min.) : 0.3282

Illum. (Avg.) : 5.3756

All illuminance level values are in lux.



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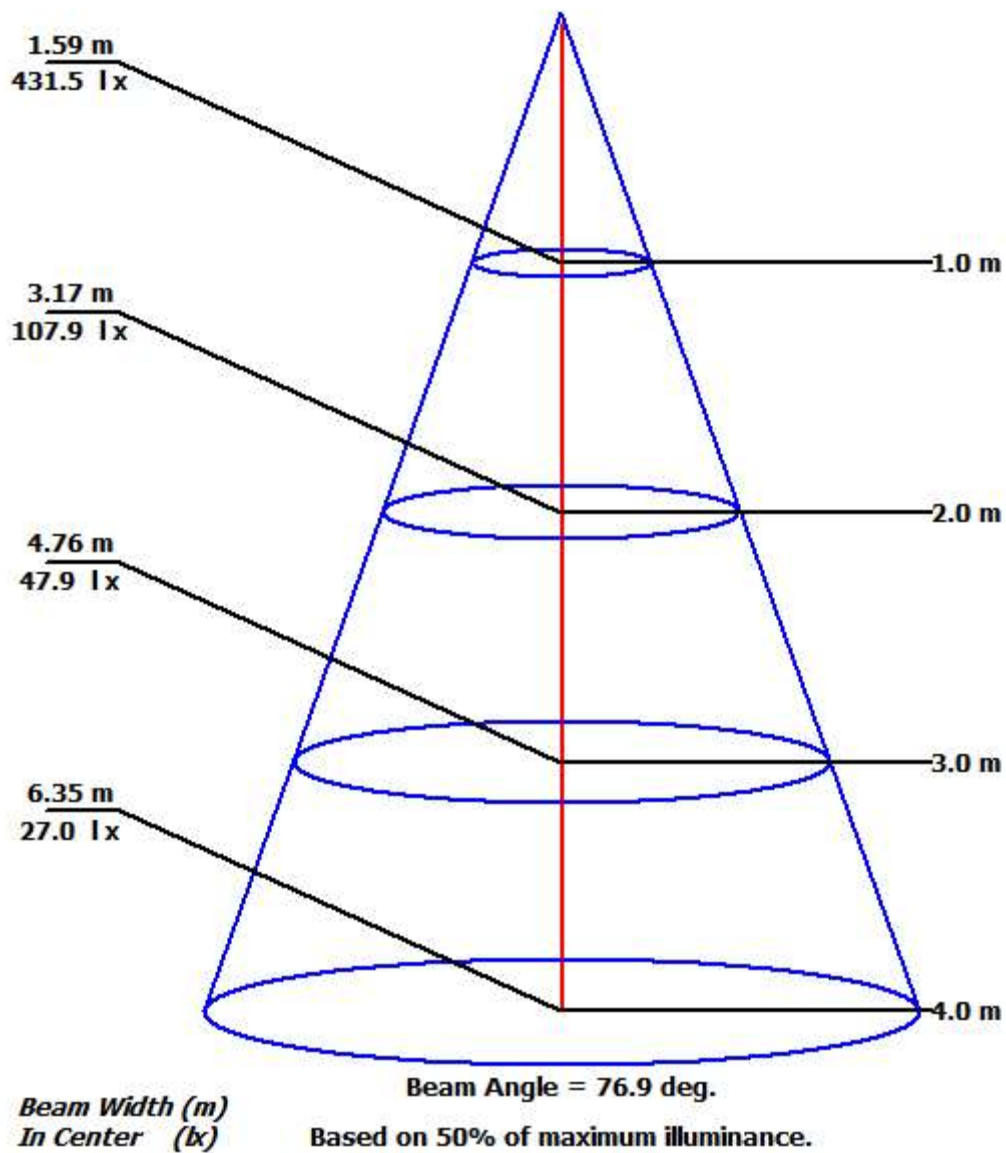
Total flux (lm) 969

Power Factor

Date 1

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V) 23.949

Filename 230803 CDV8 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 969

Current (A) 0.34827

Operator

Total flux (lm) 969

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