

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 30K-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		0.4335 , 0.4025	
Correlated Color Temperature	K	3047	
Ra		93.15	
Power Factor		1.000	
Input Voltage	V	23.951	
Input Current	A	0.350	
Input Watt	W	8.392	
Lamp Flux	lm	908.4	
Efficient	lm/W	108.25	
luminous Intensity (Max , Center)	cd	408 , 408	
Illuminance	lx	408	1 m
		102	2 m
		45	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 30K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 908

Current (A)

Operator: 37

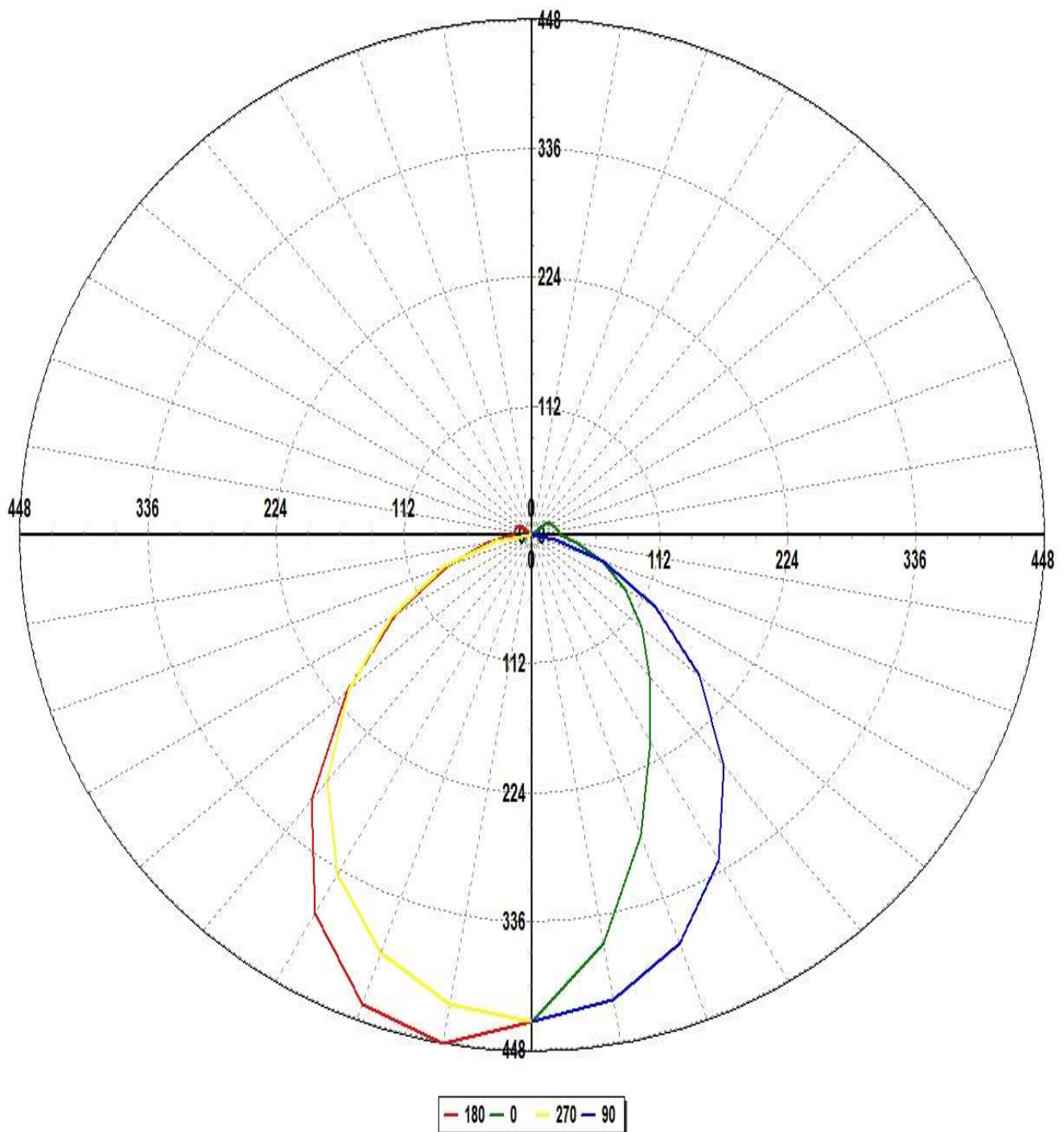
Total flux (lm) 908

Power Factor

Date 1

2023-08-03 오후 4:24:28

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230803

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Operator: 37

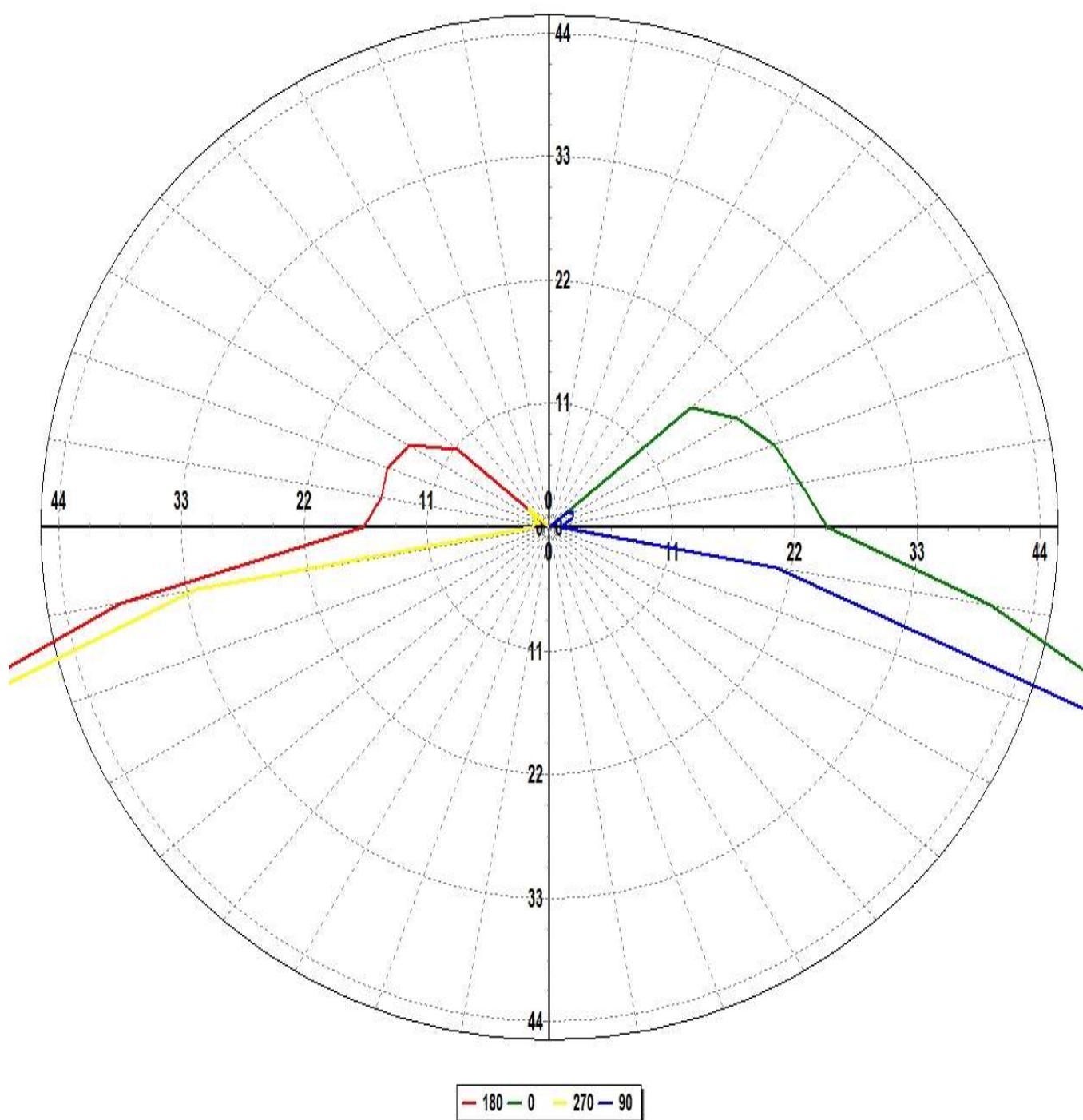
Total flux (lm) 908

Power Factor

Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp		Report	230803
No. of lamps	1	Filename	230803 CDV8 30K-24V F2208 VER2.02 28SS9.jdt
Lamp flux (lm)	908	Current (A)	Operator37
Total flux (lm)	908	Power Factor	Date 1 2023-08-03 오후 4:24:28

Luminous Intensity Data

Maximum (cd) : 408

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	384.19	382.31	382.4	384.04	384.94	386.75	384.19	382.31	382.4	384.04	384.94
10	326.9	330.79	350.17	372.28	389.83	398.84	407.68	402.78	391.78	376.84	357.57
20	252.92	263.87	299.96	343.34	370.56	378.04	393.88	390.16	378.21	351.24	310.92
30	188.2	198.53	240.79	296.67	328.58	328.52	345.43	347.37	339.51	309.94	252.64
40	145.42	148.68	179.87	237.95	266.39	257.86	272.49	281.2	283.15	253.59	192.66
50	114	111.94	129.28	173.89	196.71	181.58	192.19	204.21	214.47	190.43	139.32
60	85.79	81.43	87.2	113.42	129.32	116.34	124.31	133.51	145.36	128.4	95.11
70	60.31	55.09	51.9	60.61	72.46	66.46	71.68	78.88	86.62	74.04	59.34
80	36.49	31.21	24.2	18.72	28.19	29.18	35.53	38.26	38.39	29.26	30.22
90	22.65	19.13	11.1	0.98	8.72	13.94	15.2	14.33	10.03	1.43	11.63
100	20.71	18.52	10.39	1.28	8.86	13.1	13.92	12.32	8.77	1.19	10.26
110	19.51	16.95	7.52	2.04	5.8	11.94	14.07	12.88	7.59	0.78	10.18
120	17.65	13.42	2.26	2.28	1.47	9.23	13.2	12.23	1.42	1.45	1.15
130	15.03	8.15	6.43	2.03	5.41	3.47	9.8	7.32	5.57	2.3	7.58

Luminaire KH FEELUX

Lamp			Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV8 30K-24V F2208 VER2.02 28SS9.jdt	
Lamp flux (lm)	908	Current (A)	Operator: 37	
Total flux (lm)	908	Power Factor	Date	2023-08-03 오후 4:24:28

Luminous Intensity Data (Continued)

Maximum (cd) : 408

Minimum (cd) : 1

G/C	330	360
0	386.75	384.19
10	342.5	326.9
20	278.96	252.92
30	211.77	188.2
40	158.09	145.42
50	119.64	114
60	88.68	85.79
70	61.06	60.31
80	36.51	36.49
90	19.03	22.65
100	17.76	20.71
110	16.62	19.51
120	15.85	17.65
130	9.81	15.03

Luminaire KH FEELUX

Lamp			Report	230803
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Lamp flux (lm)	908	Current (A)	Operator	37
Total flux (lm)	908	Power Factor	Date	1 2023-08-03 오후 4:24:28

Luminous Flux Table

Total Lamp Lumens:	908.38
Luminaire Efficiency (lm/W):	108.24
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	9.18	9.18	1.01	1.01
10	70.49	79.68	8.77	8.77
20	125.24	204.92	22.56	22.56
30	154.61	359.53	39.58	39.58
40	157.07	516.60	56.87	56.87
50	137.57	654.17	72.01	72.01
60	105.04	759.21	83.58	83.58
70	68.48	827.68	91.11	91.12
80	33.81	861.49	94.84	94.84
90	13.52	875.02	96.33	96.33
100	12.32	887.34	97.68	97.68
110	10.80	898.14	98.87	98.87
120	7.24	905.38	99.67	99.67
130	3.00	908.38	100.00	100.00

Luminaire KH FEELUX

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Operator: 37

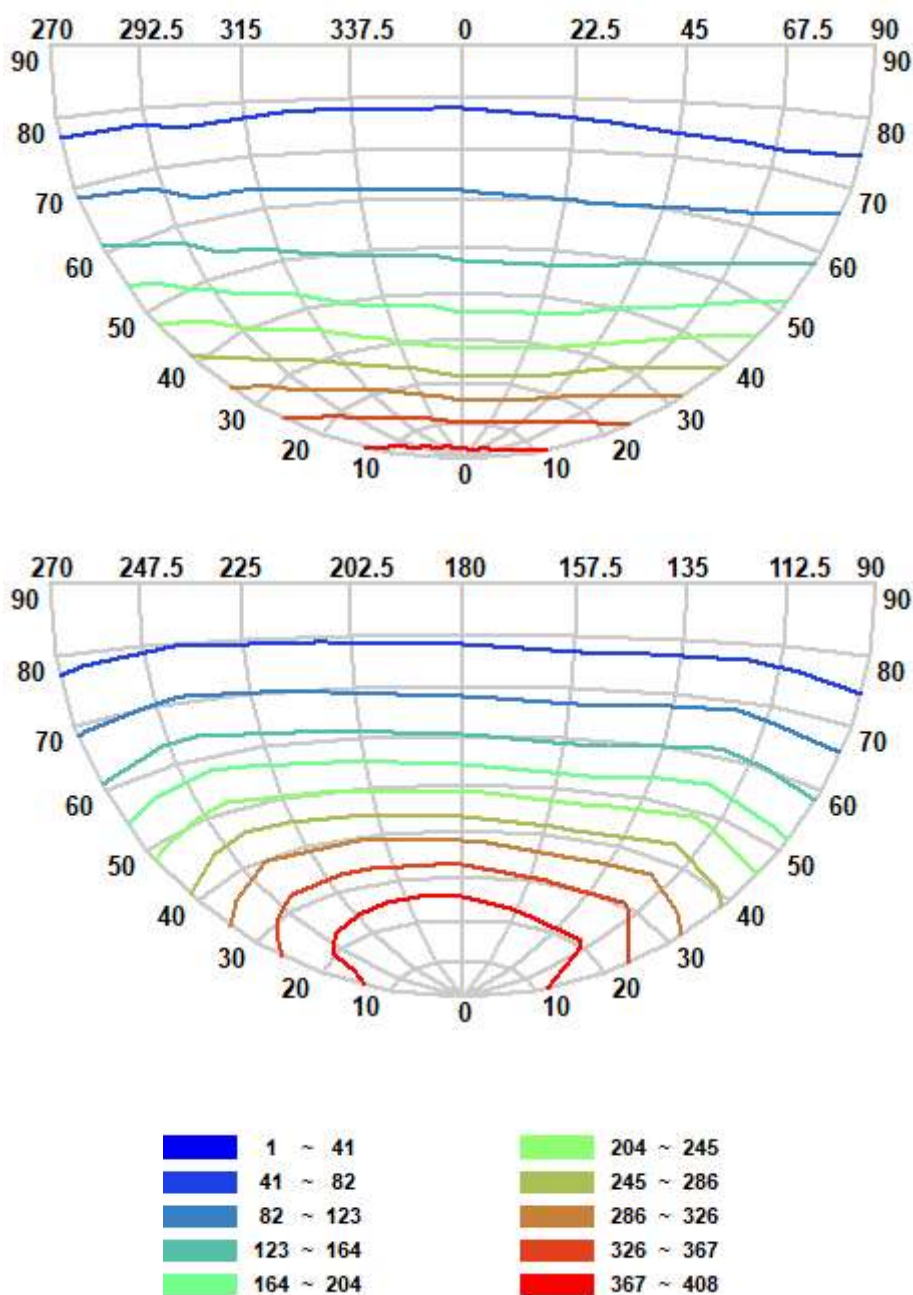
Total flux (lm) 908

Power Factor

Date 1

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IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 908

Current (A)

Operator: 37

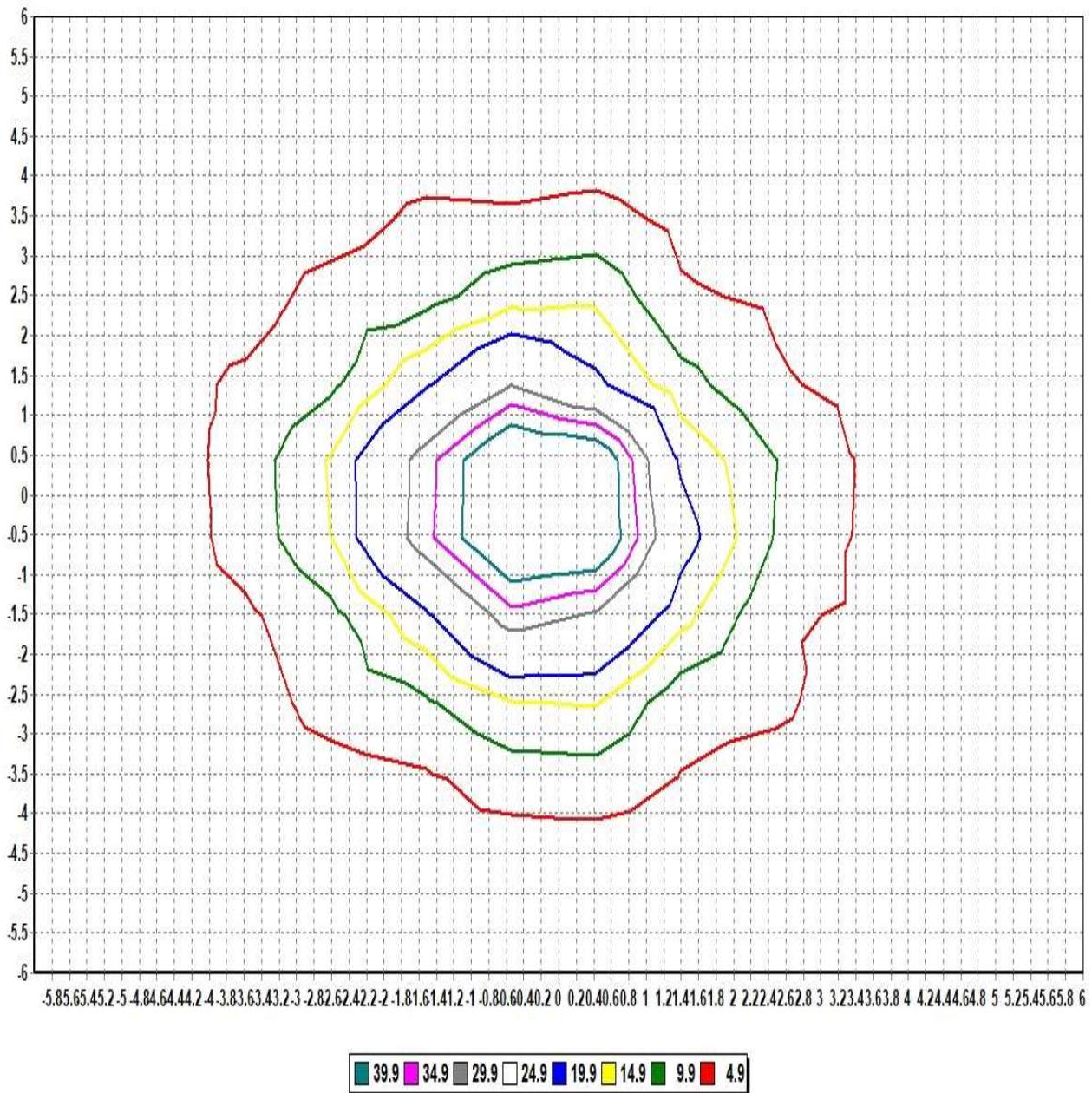
Total flux (lm) 908

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

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Lamp flux (lm) 908

Current (A)

Operator: 37

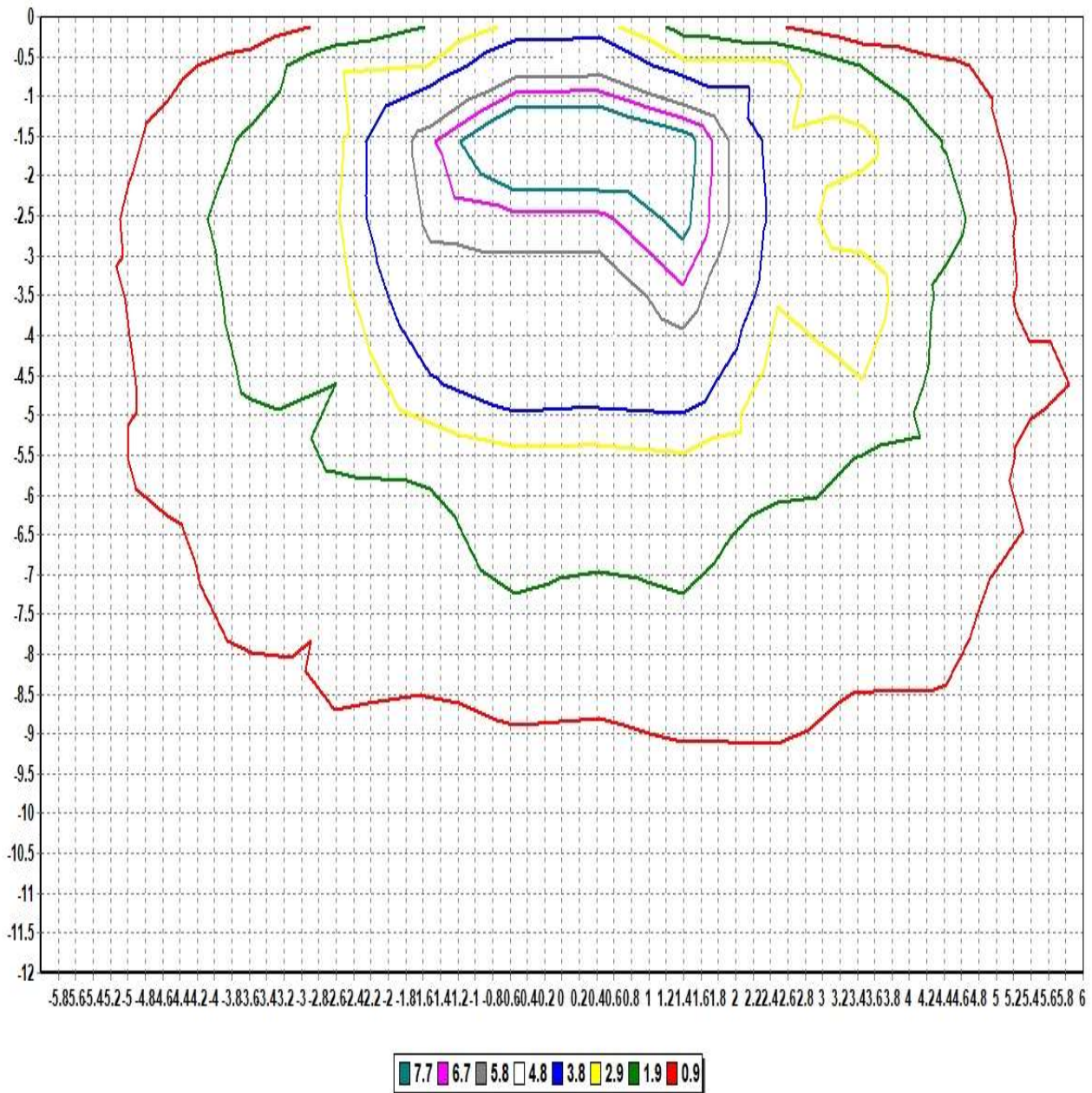
Total flux (lm) 908

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)	23.951
Lamp flux (lm)	908	Current (A)	0.35037
Total flux (lm)	908	Power Factor	1

Report

230803

Filename 230803 CDV8 30K-24V F2208 VER2.02 28SS9.jdt

Operator

Date

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Illuminance Levels (Ground)

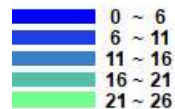
6.00	0.41	0.54	0.38	0.59	0.71	0.65	0.79	0.70	0.52	0.43	0.32	0.39	0.30
5.00	0.55	0.44	0.64	0.88	2.08	1.91	2.41	2.05	1.30	0.70	0.50	0.37	0.39
4.00	0.41	0.67	1.72	2.49	2.56	2.61	3.31	2.66	1.62	1.75	1.09	0.53	0.36
3.00	0.59	0.93	2.57	2.91	6.53	7.18	7.66	4.53	4.74	1.93	1.60	0.74	0.43
2.00	0.72	2.10	2.56	6.94	9.48	16.63	18.39	9.66	5.67	4.01	1.62	1.27	0.54
1.00	0.83	2.45	3.20	7.30	16.78	30.81	42.01	19.90	9.41	4.30	2.18	1.56	0.65
0.00	0.89	2.67	3.64	8.55	21.20	46.07	52.70	36.71	11.41	4.94	2.33	1.61	0.67
-1.00	0.81	2.41	3.19	7.64	17.71	34.06	42.53	27.94	11.96	5.04	2.18	1.55	0.65
-2.00	0.77	2.19	2.66	7.33	10.25	17.79	19.44	12.65	8.41	4.42	1.88	1.49	0.58
-3.00	0.63	0.99	2.70	3.10	7.70	7.95	8.34	6.08	6.69	2.65	1.75	0.76	0.47
-4.00	0.45	0.72	1.83	2.95	2.70	3.55	3.68	3.58	1.97	2.49	1.55	0.56	0.37
-5.00	0.59	0.50	0.81	1.17	2.26	2.61	2.65	2.69	1.69	1.01	0.67	0.44	0.42
-6.00	0.44	0.65	0.52	0.65	0.83	0.92	0.92	0.96	0.65	0.49	0.44	0.54	0.39
-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.) : 52.700

Illum. (Min.) : 0.2965

Illum. (Avg.) : 5.0242

All illuminance level values are in lux.



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Current (A)

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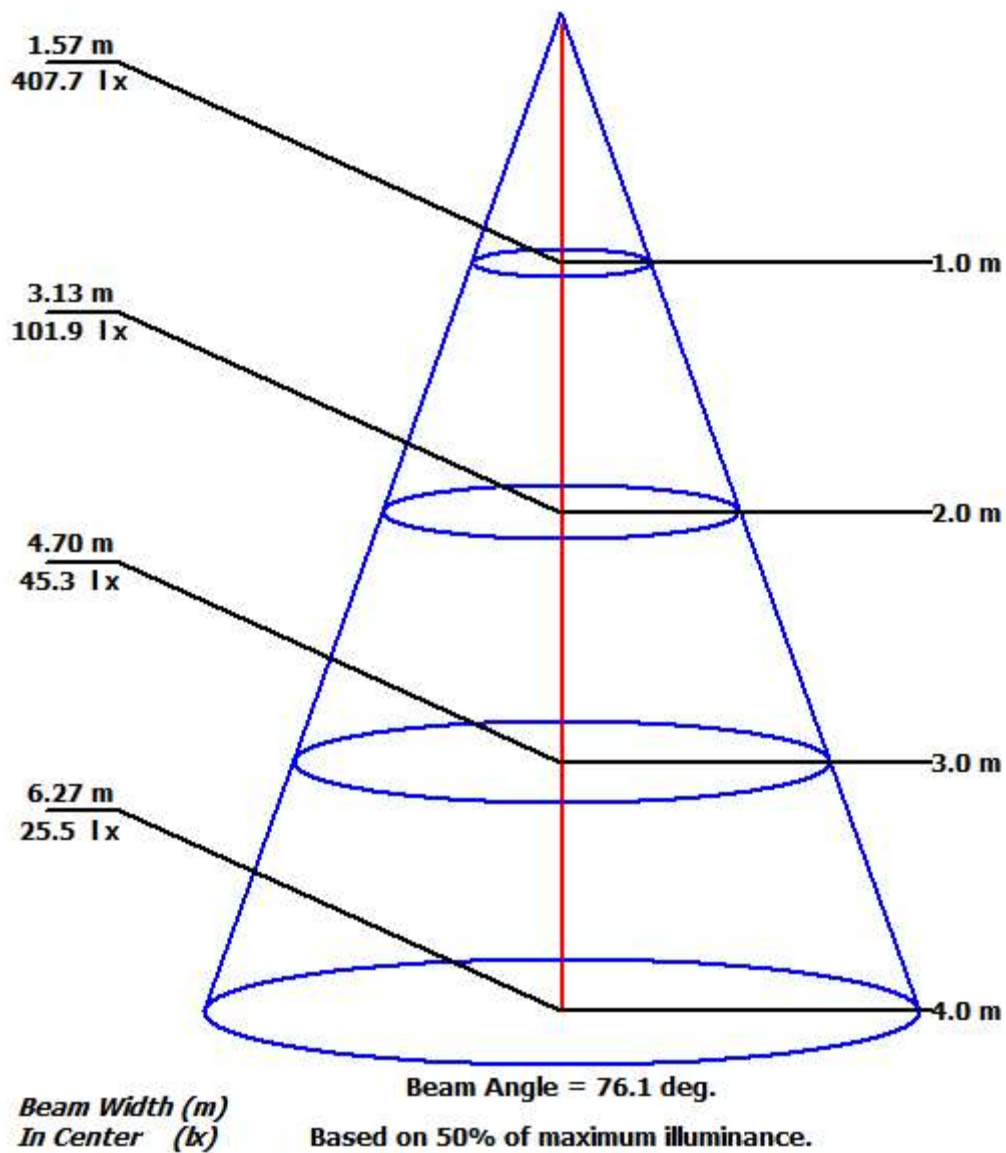
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Power Factor

Date 1

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V) 23.951

Filename 230803 CDV8 30K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 908

Current (A) 0.35037

Operator

Total flux (lm) 908

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