

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 MR-24V F2209 VER1.01 28LLRM

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		0.5068 , 0.3574	
Correlated Color Temperature	K	1800	
Ra		86.02	
Power Factor		1.000	
Input Voltage	V	23.952	
Input Current	A	0.340	
Input Watt	W	8.152	
Lamp Flux	lm	488.3	
Efficient	lm/W	59.90	
luminous Intensity (Max , Center)	cd	219 , 219	
Illuminance	lx	219	1 m
		55	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 CDV8 MR-24V F2209 VER1.01 28LLRM.jdt

Lamp flux (lm) 488

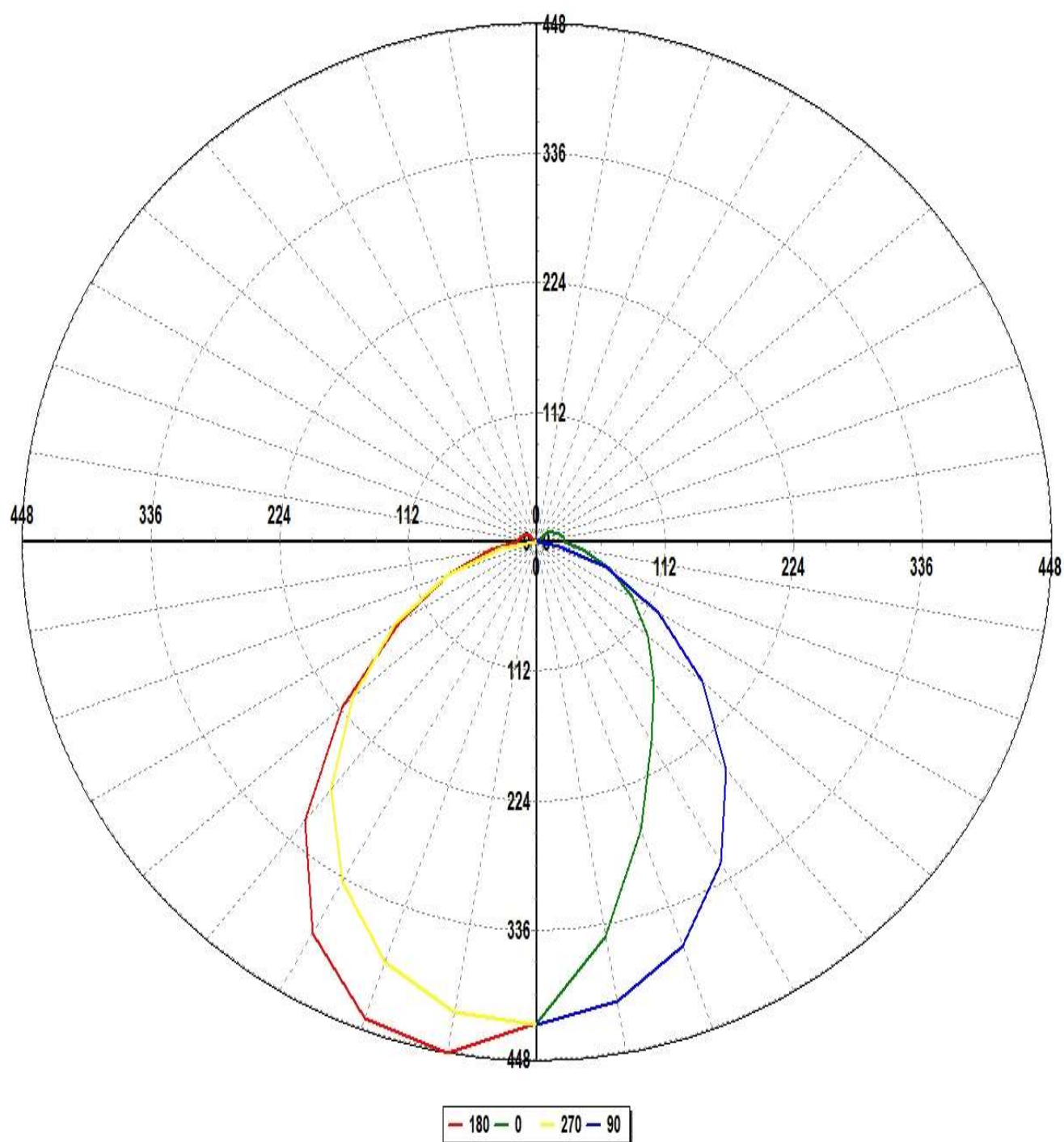
Current (A) Operator: 036

Total flux (lm) 488

Power Factor Date 1

2023-08-03 오후 4:36:22

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 488

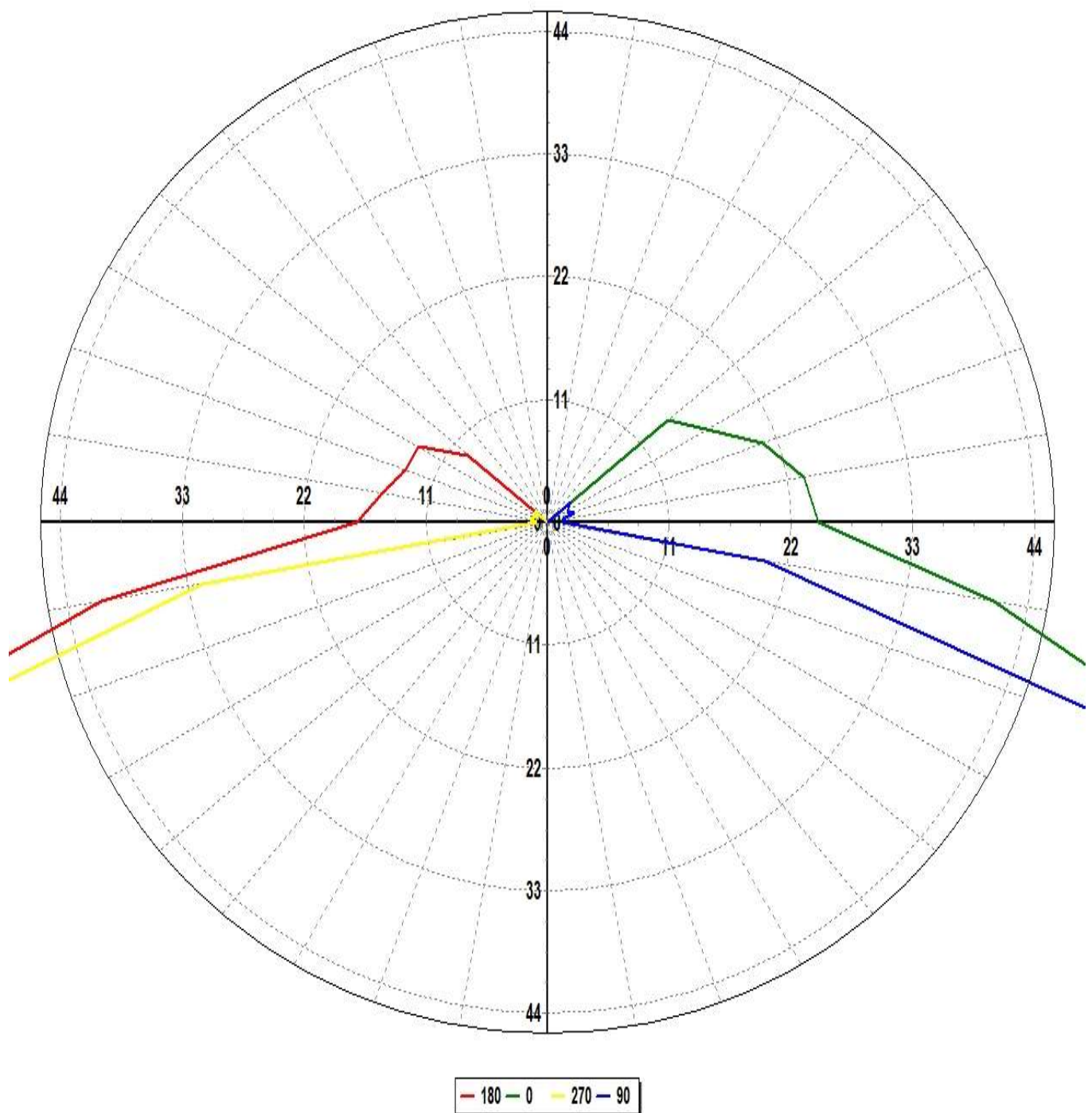
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Power Factor Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp		Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV8 MR-24V F2209 VER1.01 28LLRM.jdt
Lamp flux (lm)	488	Current (A)	Operator: 036
Total flux (lm)	488	Power Factor	Date 1 2023-08-03 오후 4:36:22

Luminous Intensity Data

Maximum (cd) : 219

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	203.26	203.04	203.55	204.01	205.36	206.34	203.26	203.04	203.55	204.01	205.36
10	169.05	171.42	183.62	196.99	208.82	215.7	219.2	216.93	211.27	201.71	188.82
20	129.53	133.58	155.71	181.74	199.58	205.59	214.19	212.84	205.78	188.77	162.69
30	97.68	101.62	122.99	156.68	177.35	179.82	191.06	191.88	186.29	165.76	131.02
40	77.82	77.63	92.47	125.38	145.29	142.69	153.35	157.26	156.78	136.45	99.94
50	62	60.16	66.33	91.95	106.63	100.67	108.14	115.83	119.11	102.22	72.68
60	47.06	43.94	45.12	59.84	71.04	62.9	67.55	74.85	82.11	69.51	50.63
70	33.17	29.23	26.77	31.63	40.24	35.9	40.32	43.67	48.58	40.12	31.09
80	19.99	17.04	12.52	9.74	15.71	16.39	19.98	21.59	20.99	15.48	15.96
90	11.94	10.91	6.46	0.66	4.83	7.28	8.39	7.59	5.56	0.5	5.96
100	11.49	9.96	5.33	0.68	4.14	5.72	7.4	6.38	4.29	0.75	5.69
110	10.1	8.24	3.61	1.24	2.93	5.84	6.65	6.38	3.73	0.67	4.96
120	8.11	6.95	0.81	1.02	1.19	4.37	6.58	5.22	0.78	0.49	0.92
130	6.94	3.35	2.16	1.35	2.84	0.79	4.55	3.05	2.68	0.75	3.05

Luminaire KH FEELUX

Lamp

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Total flux (lm) 488

Power Factor Date 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 219

Minimum (cd) : 0

G/C	330	360
0	206.34	203.26
10	180.1	169.05
20	142.58	129.53
30	108.81	97.68
40	83.84	77.82
50	64.91	62
60	48.53	47.06
70	33.36	33.17
80	20.07	19.99
90	10.18	11.94
100	9.66	11.49
110	9.07	10.1
120	7.68	8.11
130	4.78	6.94

Luminaire KH FEELUX

Lamp		Report	230803
No. of lamps	1	Voltage (V)	Filename: 230803 CDV8 MR-24V F2209 VER1.01 28LLRM.jdt
Lamp flux (lm)	488	Current (A)	Operator: 036
Total flux (lm)	488	Power Factor	Date 1 2023-08-03 오후 4:36:22

Luminous Flux Table

Total Lamp Lumens:	488.26
Luminaire Efficiency (lm/W):	59.89
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.88	4.88	1.00	1.00
10	37.46	42.34	8.67	8.67
20	66.57	108.91	22.30	22.31
30	82.64	191.56	39.23	39.23
40	85.00	276.56	56.64	56.64
50	74.85	351.41	71.97	71.97
60	57.15	408.57	83.67	83.68
70	37.23	445.80	91.30	91.30
80	18.47	464.26	95.08	95.09
90	7.33	471.59	96.58	96.59
100	6.43	478.02	97.89	97.90
110	5.44	483.46	99.01	99.02
120	3.49	486.94	99.72	99.73
130	1.31	488.26	99.99	100.00

Luminaire KH FEELUX

Lamp

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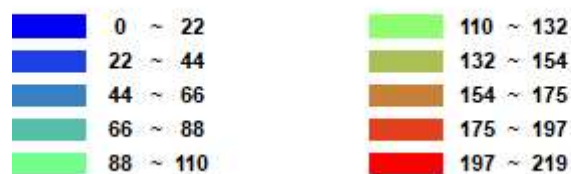
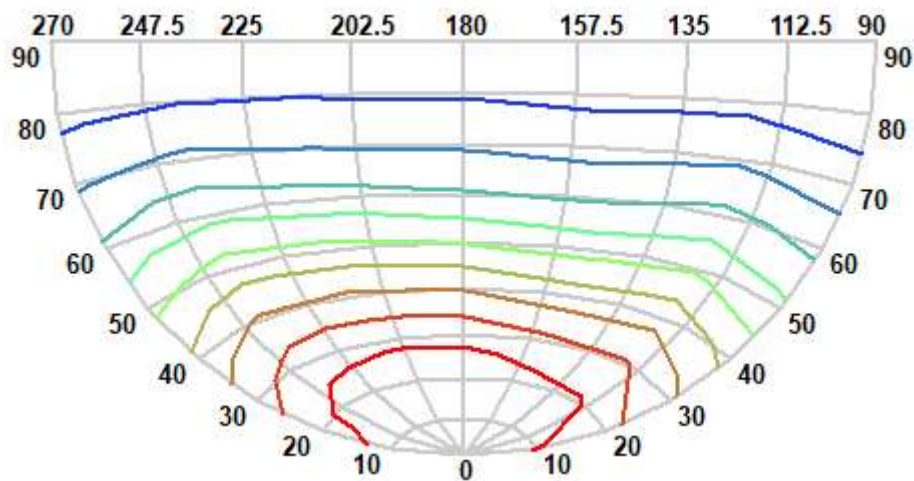
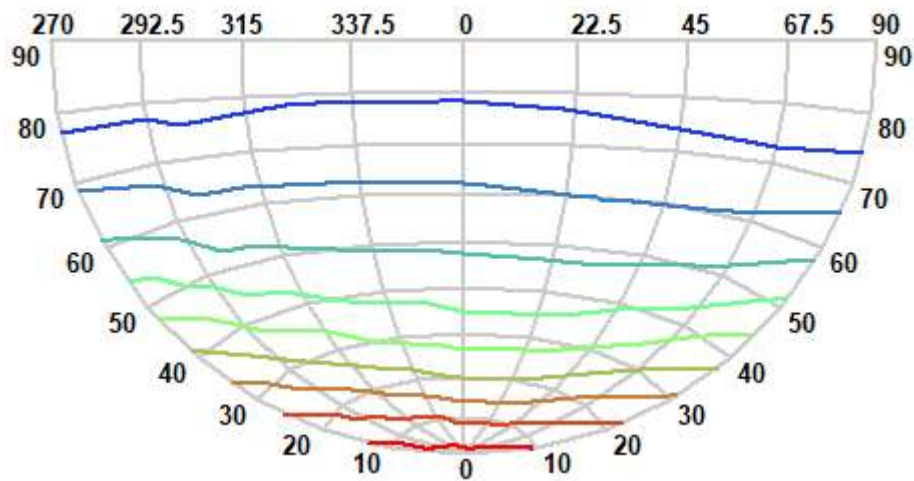
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IsoCandela (Type C)



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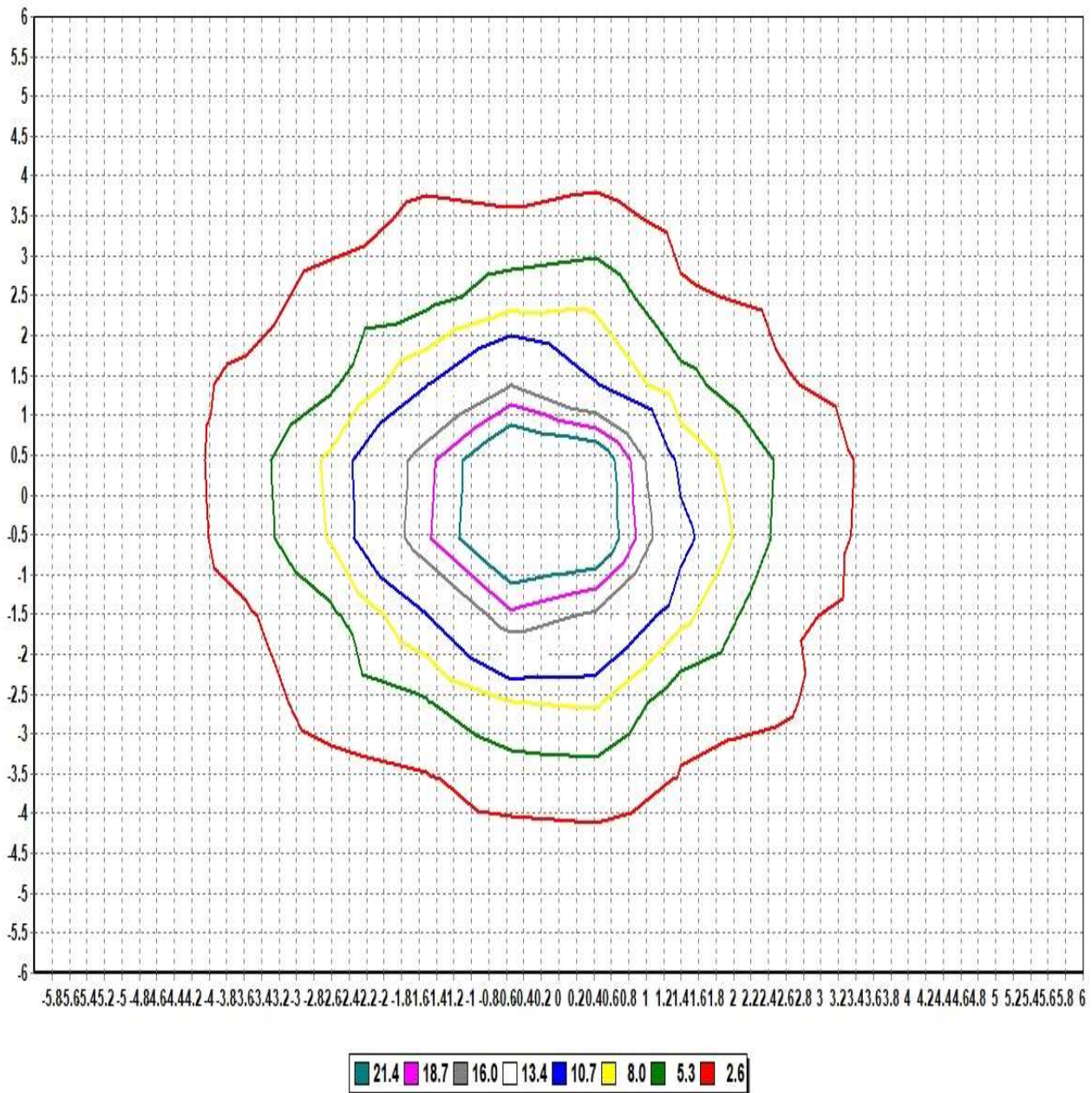
Current (A) Operator: 036

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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) 488

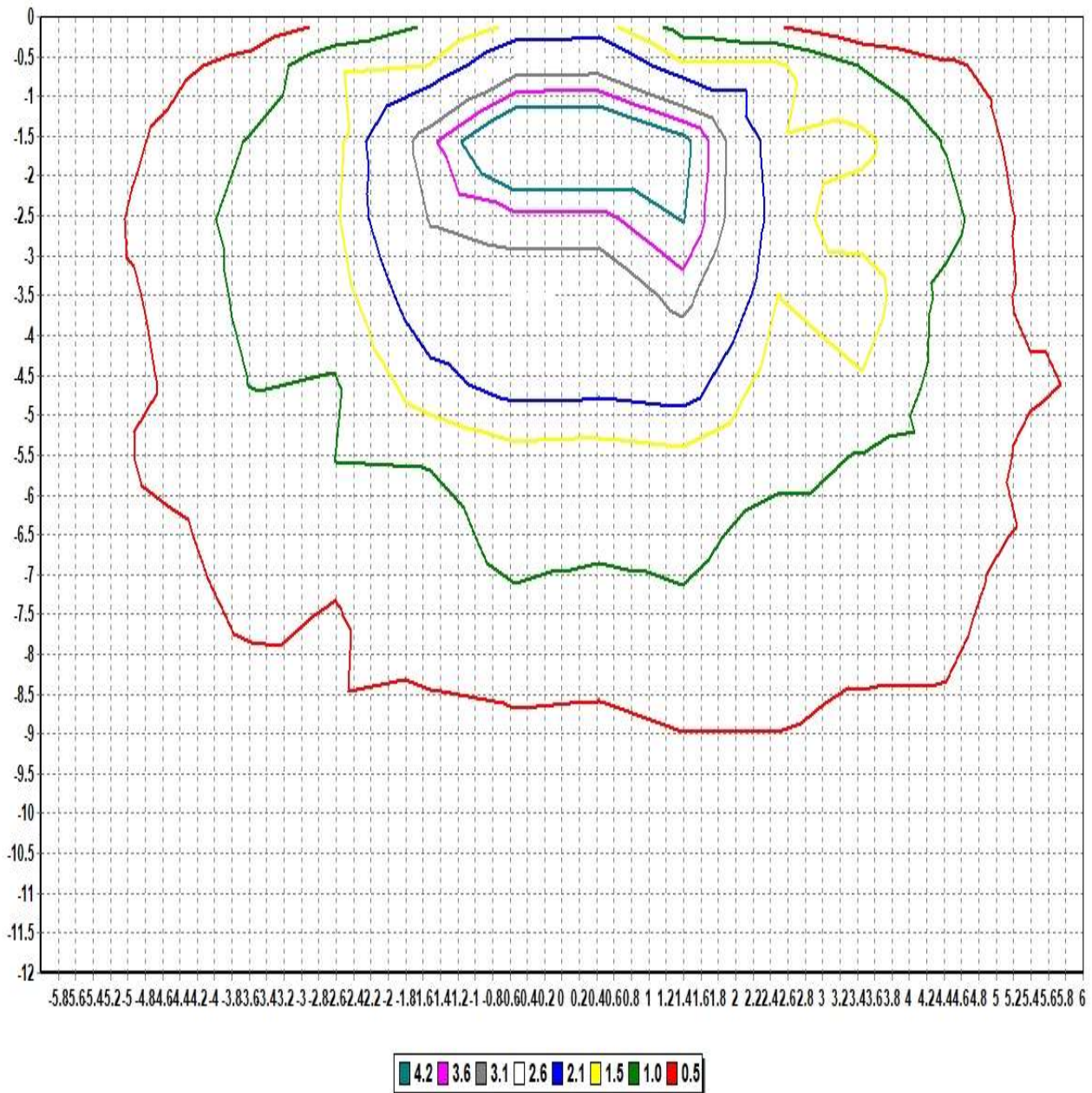
Current (A) Operator: 036

Total flux (lm) 488

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)	23.952
Lamp flux (lm)	488	Current (A)	0.34036
Total flux (lm)	488	Power Factor	1

Report

230803

Filename 230803 CDV8 MR-24V F2209 VER1.01 28LLRM.jdt

Operator

Date

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Illuminance Levels (Ground)

6.00	0.22	0.29	0.20	0.32	0.38	0.34	0.41	0.37	0.28	0.23	0.17	0.21	0.16
5.00	0.30	0.24	0.34	0.46	1.12	0.99	1.28	1.07	0.69	0.36	0.26	0.20	0.21
4.00	0.22	0.36	0.92	1.32	1.40	1.36	1.75	1.39	0.87	0.91	0.59	0.29	0.20
3.00	0.33	0.50	1.41	1.57	3.46	3.86	4.05	2.39	2.44	1.05	0.87	0.40	0.23
2.00	0.40	1.15	1.40	3.83	5.08	9.04	9.70	5.03	3.03	2.15	0.87	0.68	0.29
1.00	0.45	1.36	1.76	3.99	9.16	16.46	22.23	10.22	4.92	2.32	1.19	0.85	0.36
0.00	0.49	1.49	2.01	4.81	11.85	24.78	27.88	18.98	6.03	2.68	1.27	0.88	0.37
-1.00	0.44	1.34	1.75	4.32	9.91	18.75	22.77	14.76	6.22	2.66	1.19	0.84	0.36
-2.00	0.43	1.23	1.49	4.13	5.78	9.93	10.44	6.60	4.46	2.35	1.00	0.79	0.31
-3.00	0.35	0.55	1.52	1.73	4.28	4.47	4.48	3.21	3.59	1.42	0.94	0.41	0.25
-4.00	0.25	0.40	1.03	1.65	1.52	1.95	1.99	1.97	1.05	1.33	0.82	0.30	0.20
-5.00	0.32	0.28	0.46	0.66	1.28	1.43	1.43	1.48	0.89	0.55	0.36	0.24	0.23
-6.00	0.25	0.37	0.29	0.36	0.46	0.50	0.50	0.54	0.35	0.26	0.24	0.29	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.) : 27.882

Illum. (Min.) : 0.1612

Illum. (Avg.) : 2.7029

All illuminance level values are in lux.



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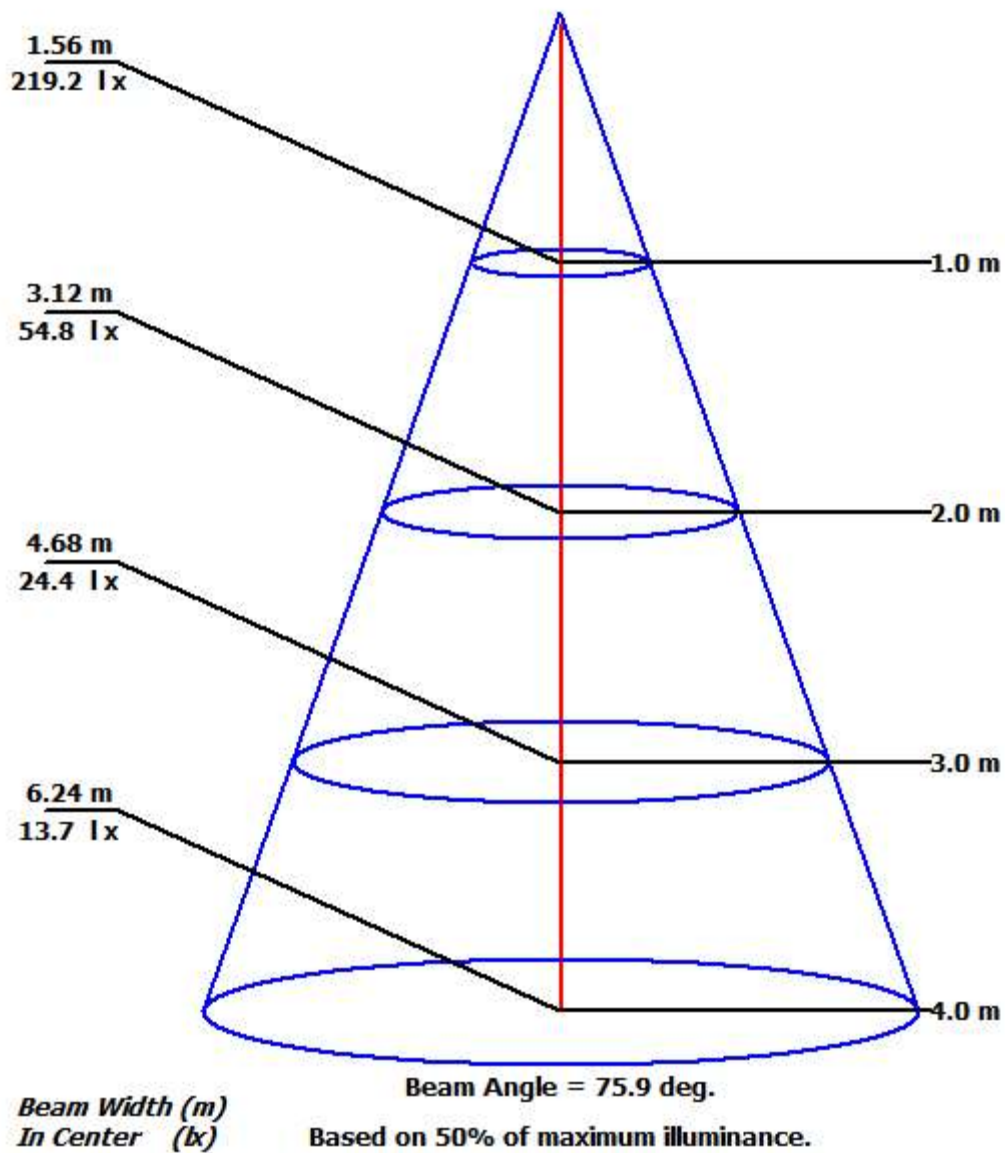
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Power Factor Date 1

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

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Voltage (V) 23.952

Filename 230803 CDV8 MR-24V F2209 VER1.01 28LLRM.jdt

Lamp flux (lm) 488

Current (A) 0.34036

Operator

Total flux (lm) 488

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