

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 CDV12 40K-24V F2210 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 , 0.3796	
Correlated Color Temperature	K	3945	
Ra		93.62	
Power Factor		1.000	
Input Voltage	V	23.932	
Input Current	A	0.512	
Input Watt	W	12.251	
Lamp Flux	lm	1413.6	
Efficient	lm/W	115.39	
luminous Intensity (Max , Center)	cd	619 , 619	
Illuminance	lx	619	1 m
		155	2 m
		69	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 CDV12 40K-24V F2210 VER2.02 28SS9.jdt

Lamp flux (lm) 1414

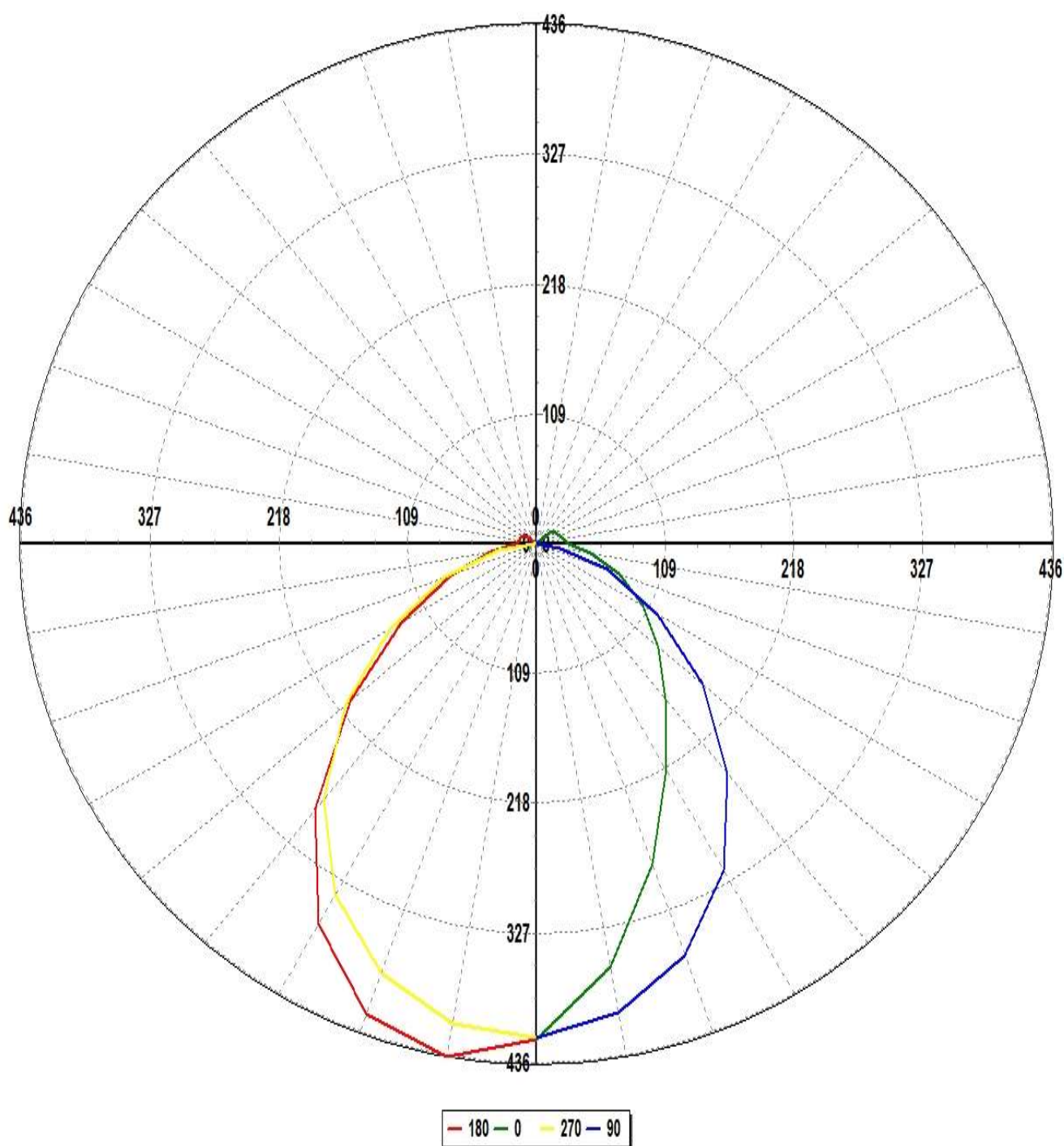
Current (A) Operator 191

Total flux (lm) 1414

Power Factor Date 1

2023-08-03 오후 5:30:58

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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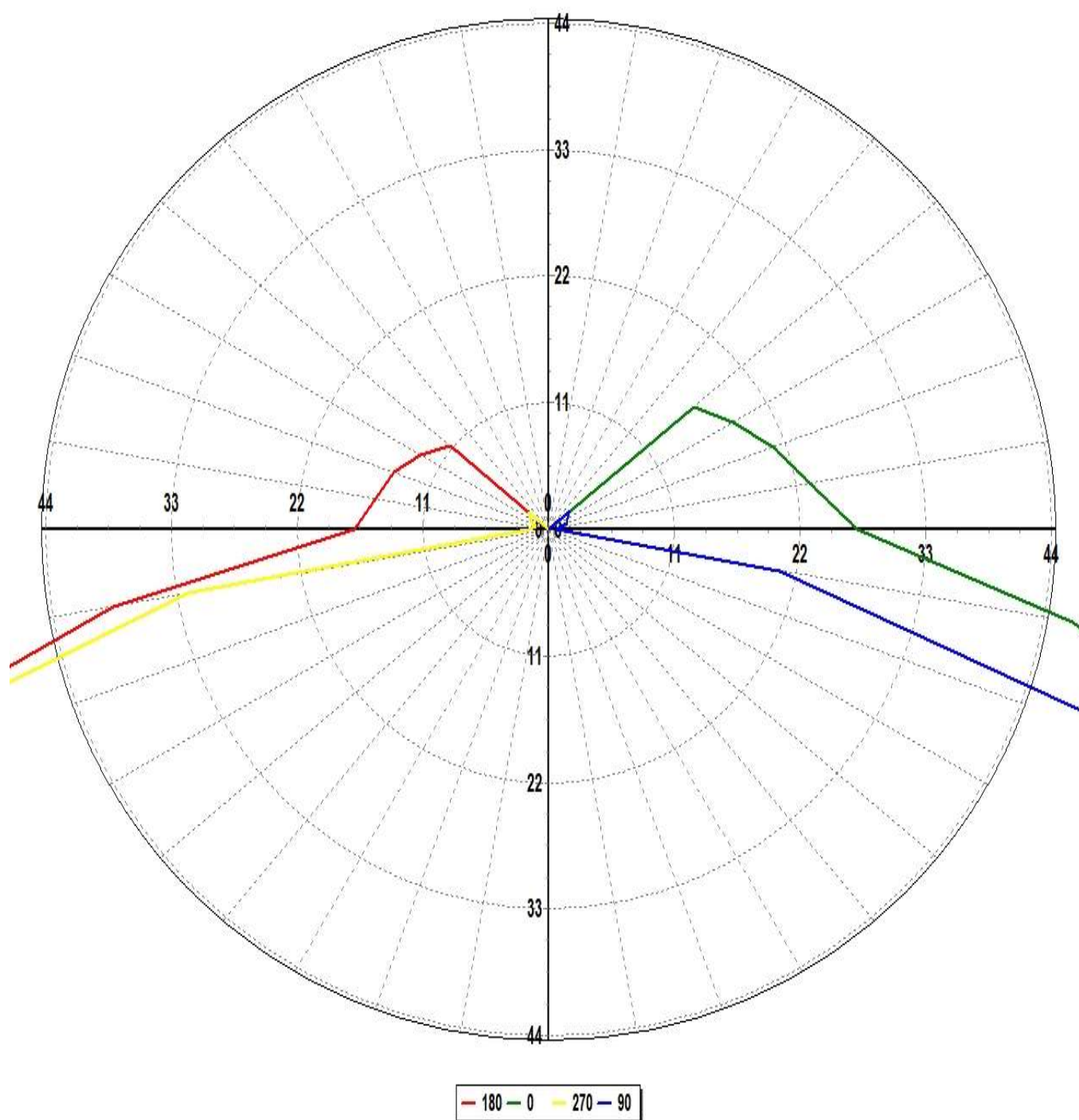
Current (A) Operator 191

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Luminous Intensity Data

Maximum (cd) : 619

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	588.46	585.54	585.21	586.89	587.94	590.38	588.46	585.54	585.21	586.89	587.94
10	510.01	515.47	539.64	566.2	591.01	603.44	618.58	613.18	599.67	578.78	553.1
20	405.79	417.29	465	519.91	557.1	569.42	595.01	594.36	579.85	543.58	488.35
30	310.43	321.14	375.82	448.14	489.61	490.99	521.86	528.72	523.96	481.05	403.12
40	240.74	243.66	285.88	356.21	395.97	383.63	411.62	427.68	436.61	395.79	311.41
50	191.21	186.09	205.26	259.61	290.58	271.41	290.13	311.29	331.52	298.65	228.55
60	147.33	138.59	139.94	167.9	191.3	174.04	186.61	205.83	225.76	201.92	159.27
70	105.58	94.58	86.3	90.41	107.98	99.82	109.13	121.86	132.79	116.57	101.48
80	65.84	55.4	41.28	29.03	43.1	44.48	54.67	59.06	58.6	45.21	52.42
90	38.15	31.24	16.99	0.98	13.93	21.67	24.01	23.11	14.92	2.49	19.66
100	32.74	27.25	14.82	1.65	11.71	18.74	21.68	19.56	11.72	1.66	16.68
110	29.64	25.51	10.41	2.44	8.18	17.62	20.4	18.97	11.2	1.91	14.15
120	26.42	20.1	3.6	2.74	2.7	14.05	18.37	15.31	2.34	2.72	2.65
130	23.46	12.62	9.31	3.52	7.13	3.08	15.95	10.97	7.88	3.2	10.24

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Power Factor Date 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 619

Minimum (cd) : 1

G/C	330	360
0	590.38	588.46
10	532.6	510.01
20	441.85	405.79
30	346.05	310.43
40	263.34	240.74
50	201.09	191.21
60	152.21	147.33
70	107.62	105.58
80	66.03	65.84
90	34.74	38.15
100	29.37	32.74
110	26.37	29.64
120	22.27	26.42
130	14.74	23.46

Luminaire KH FEELUX

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Luminous Flux Table

Total Lamp Lumens: 1413.6

Luminaire Efficiency (lm/W): 115.39

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	14.04	14.04	0.99	0.99
10	108.12	122.16	8.64	8.64
20	192.84	315.00	22.28	22.28
30	239.17	554.16	39.20	39.20
40	243.62	797.78	56.44	56.43
50	214.32	1012.10	71.60	71.60
60	165.25	1177.35	83.29	83.29
70	109.28	1286.63	91.02	91.02
80	55.29	1341.92	94.93	94.93
90	22.08	1363.99	96.49	96.49
100	18.66	1382.65	97.81	97.81
110	16.02	1398.67	98.94	98.94
120	10.53	1409.20	99.69	99.69
130	4.42	1413.63	100.00	100.00

Luminaire KH FEELUX

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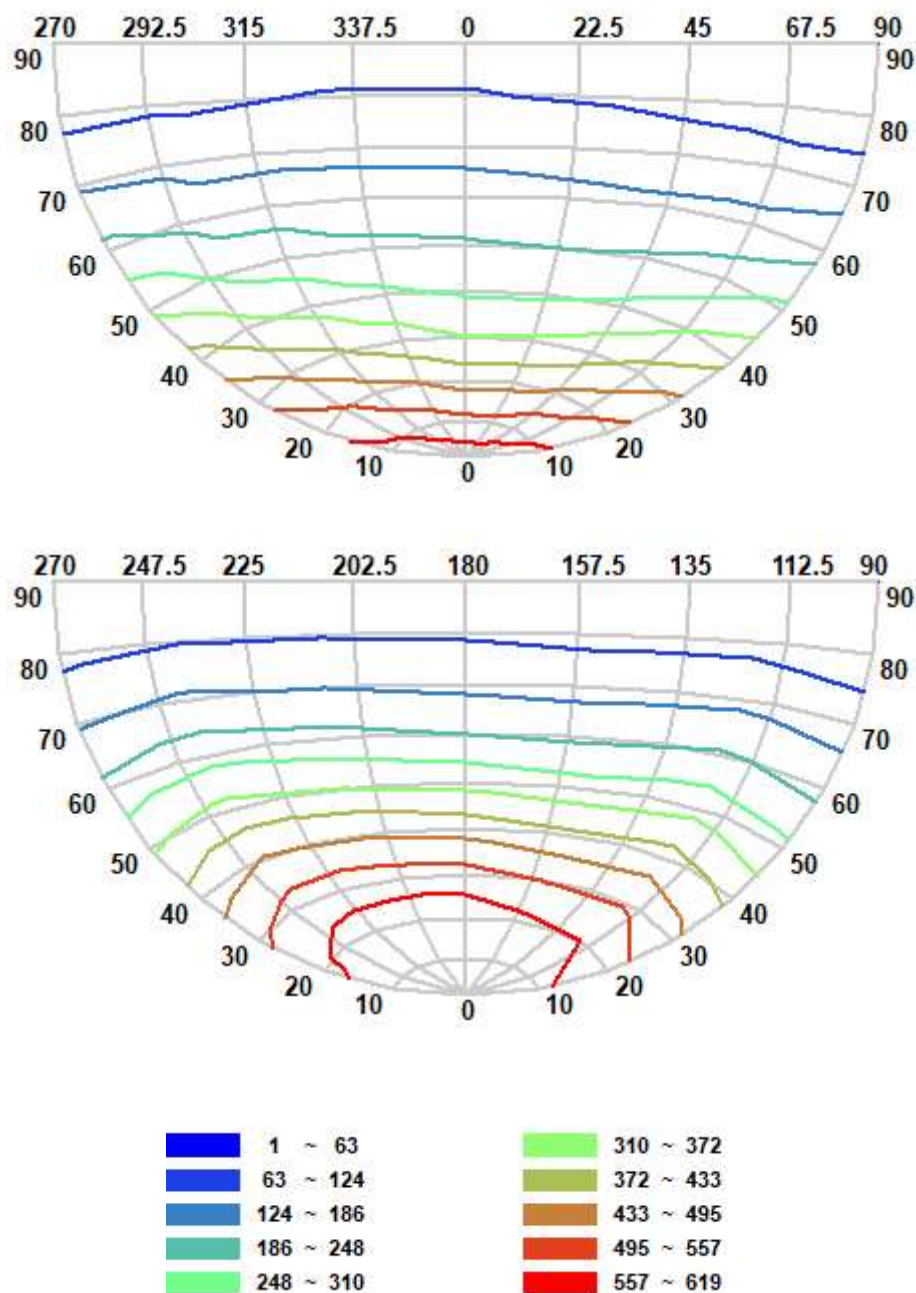
Current (A) Operator 191

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IsoCandela (Type C)



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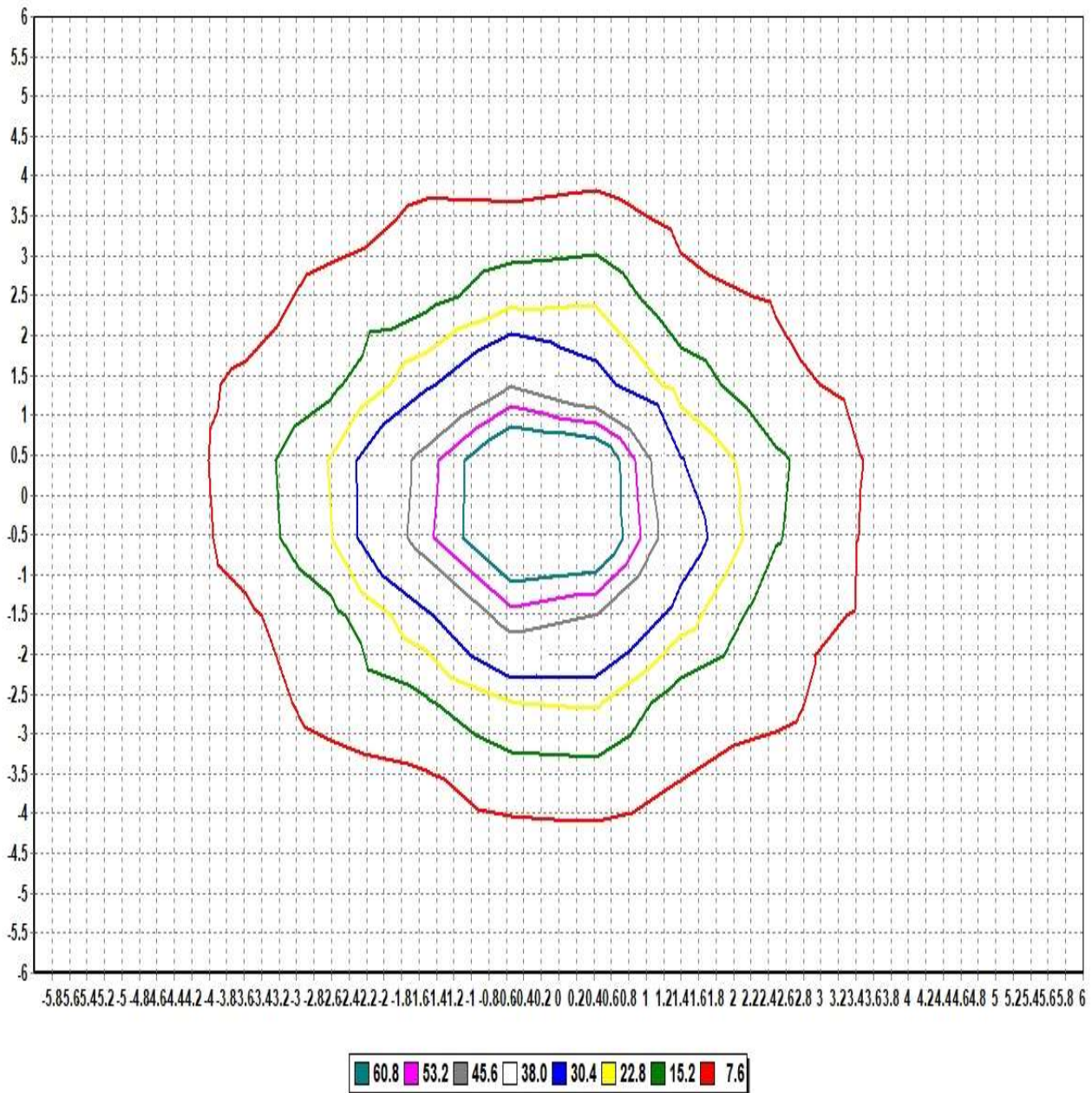
Current (A) Operator 191

Total flux (lm) 1414

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

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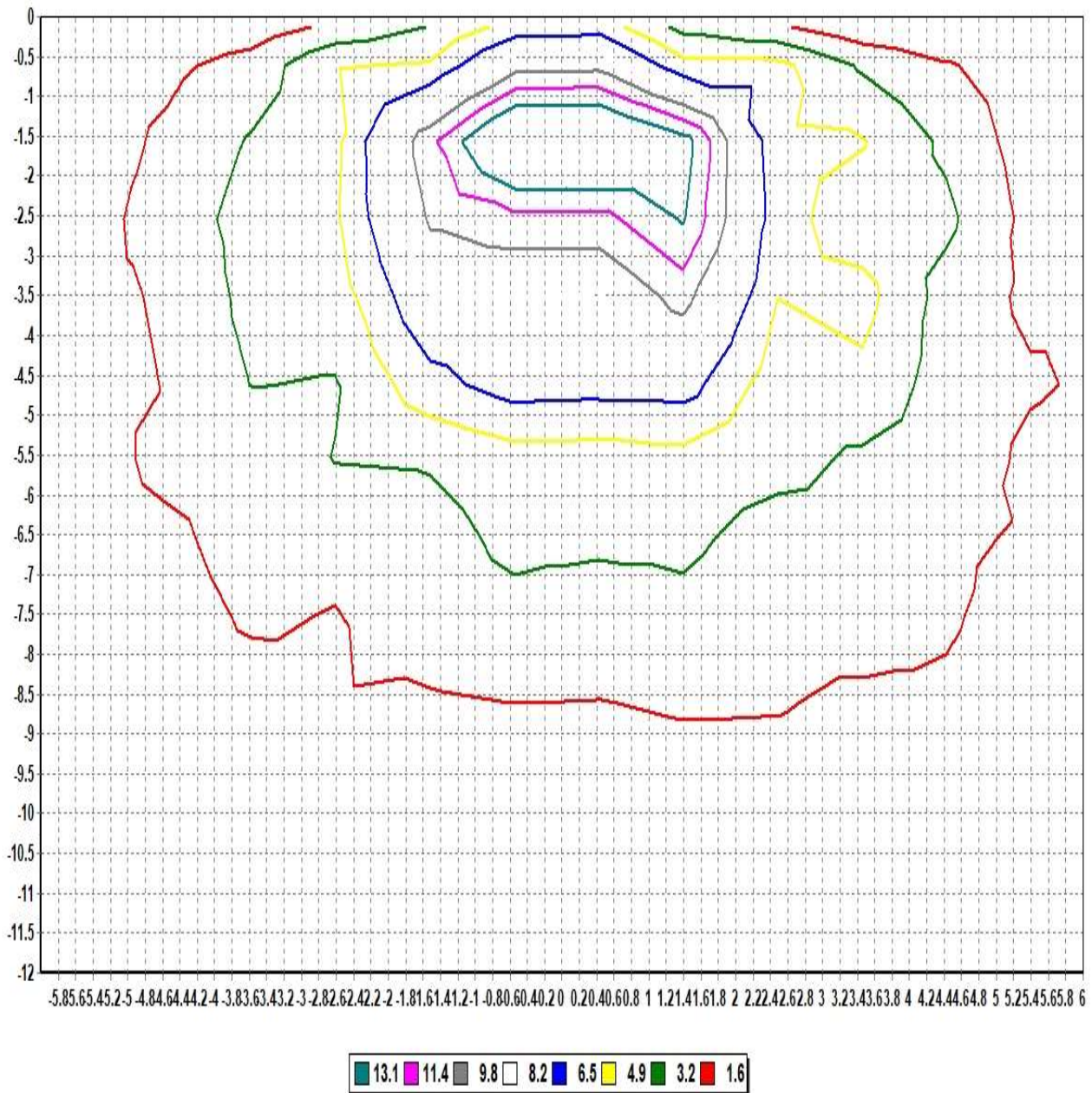
Current (A) Operator 191

Total flux (lm) 1414

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)	23.932
Lamp flux (lm)	1414	Current (A)	0.51191
Total flux (lm)	1414	Power Factor	1

Report

230803

Filename 230803 CDV12 40K-24V F2210 VER2.02 28SS9.jdt

Operator

Date

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Illuminance Levels (Ground)

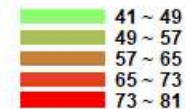
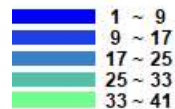
6.00	0.61	0.80	0.57	0.87	1.05	1.02	1.17	1.07	0.88	0.73	0.53	0.64	0.51
5.00	0.83	0.66	0.95	1.31	3.08	2.95	3.60	3.12	2.14	1.14	0.83	0.65	0.67
4.00	0.62	1.00	2.55	3.70	3.78	4.01	4.92	4.07	2.73	2.81	1.84	0.92	0.63
3.00	0.88	1.39	3.82	4.31	9.75	10.65	11.45	7.39	7.56	3.27	2.69	1.28	0.74
2.00	1.08	3.11	3.80	10.33	14.10	24.75	27.62	15.75	9.41	6.65	2.74	2.12	0.93
1.00	1.25	3.68	4.81	10.83	24.95	46.27	63.88	32.26	15.43	7.16	3.72	2.64	1.14
0.00	1.35	4.02	5.48	12.91	32.02	69.89	80.72	57.31	18.86	8.26	3.96	2.71	1.17
-1.00	1.21	3.62	4.79	11.60	26.92	51.65	65.34	43.81	19.38	8.32	3.71	2.61	1.13
-2.00	1.18	3.34	4.08	11.09	15.55	27.10	30.28	20.33	13.40	7.35	3.14	2.46	1.00
-3.00	0.97	1.50	4.09	4.71	11.87	12.19	13.06	9.76	10.49	4.27	2.92	1.32	0.81
-4.00	0.68	1.09	2.78	4.56	4.17	5.54	5.78	5.58	3.26	3.94	2.48	0.96	0.65
-5.00	0.89	0.76	1.25	1.80	3.47	4.08	4.16	4.18	2.74	1.60	1.08	0.72	0.72
-6.00	0.68	1.01	0.81	1.00	1.27	1.43	1.45	1.50	1.07	0.82	0.70	0.87	0.63
-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.) : 80.721

Illum. (Min.) : 0.5082

Illum. (Avg.) : 7.7794

All illuminance level values are in lux.



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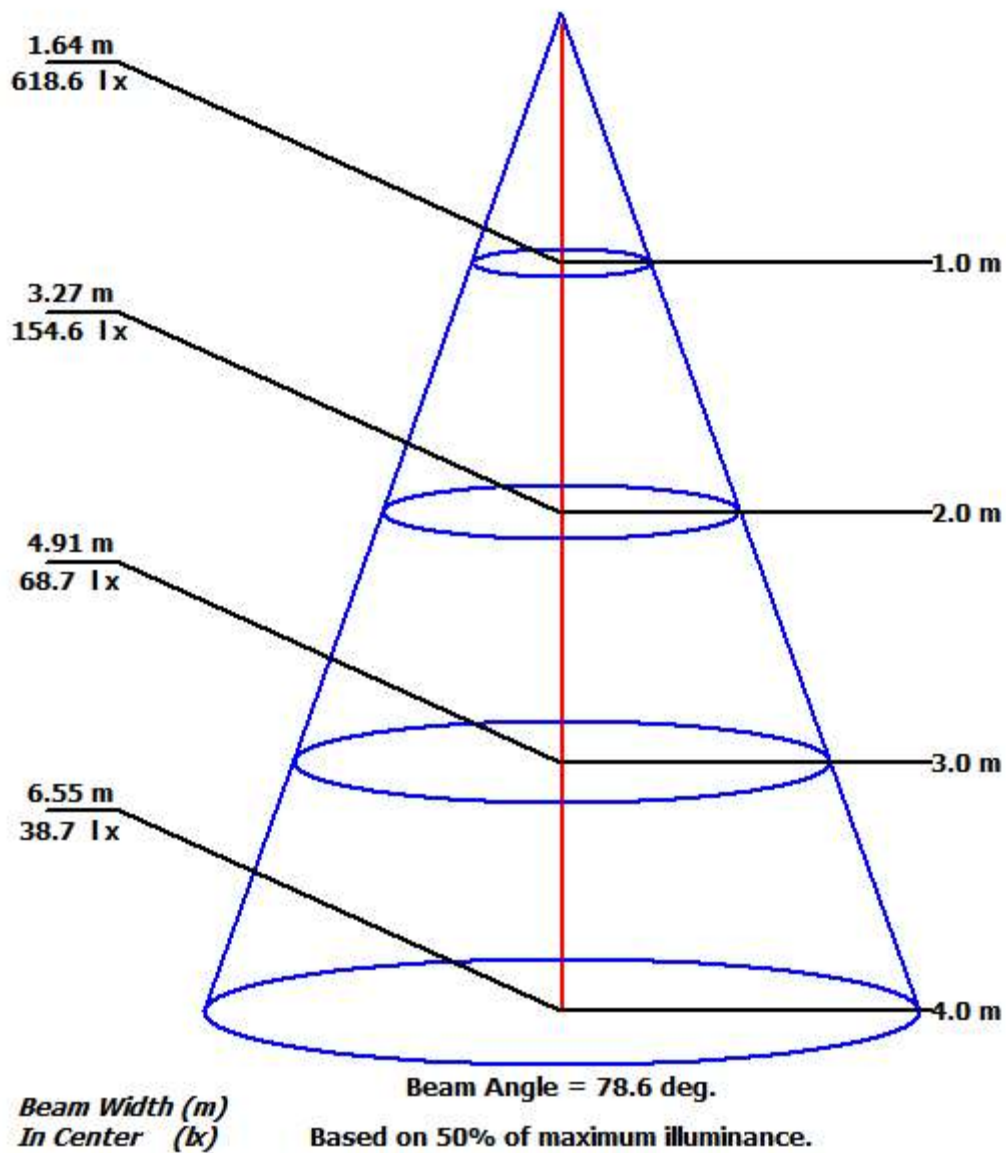
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230803

No. of lamps 1

Voltage (V) 23.932

Filename 230803 CDV12 40K-24V F2210 VER2.02 28SS9.jdt

Lamp flux (lm) 1414

Current (A) 0.51191

Operator

Total flux (lm) 1414

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