

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 CDV16 30K-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		0.4339 , 0.4027	
Correlated Color Temperature	K	3041	
Ra		93.1	
Power Factor		1.000	
Input Voltage	V	23.911	
Input Current	A	0.683	
Input Watt	W	16.319	
Lamp Flux	lm	1783.6	
Efficient	lm/W	109.29	
luminous Intensity (Max , Center)	cd	785 , 785	
Illuminance	lx	785	1 m
		196	2 m
		87	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 CDV16 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 1784

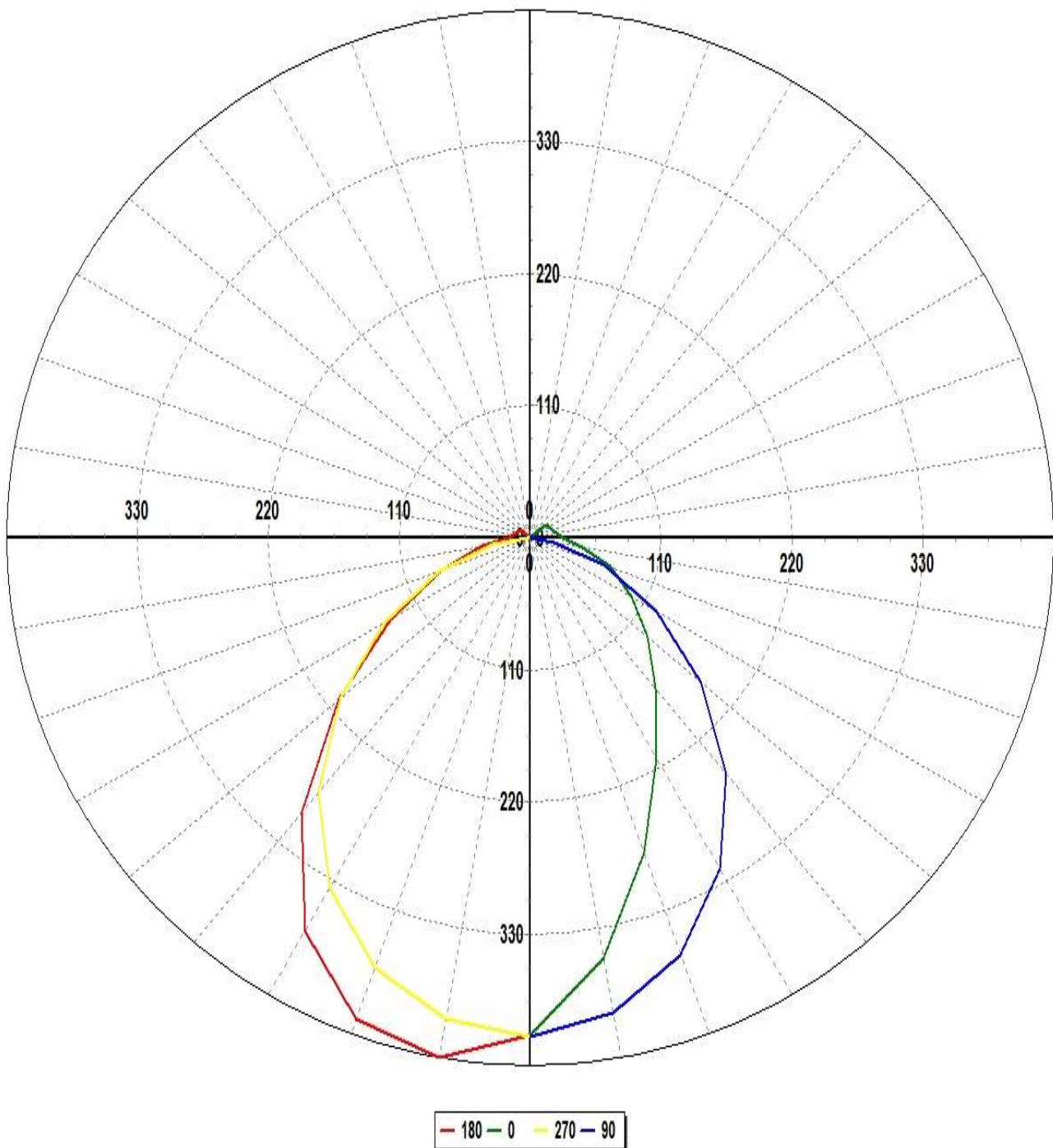
Current (A) Operator25

Total flux (lm) 1784

Power Factor Date 1

2023-08-03 오후 5:42:32

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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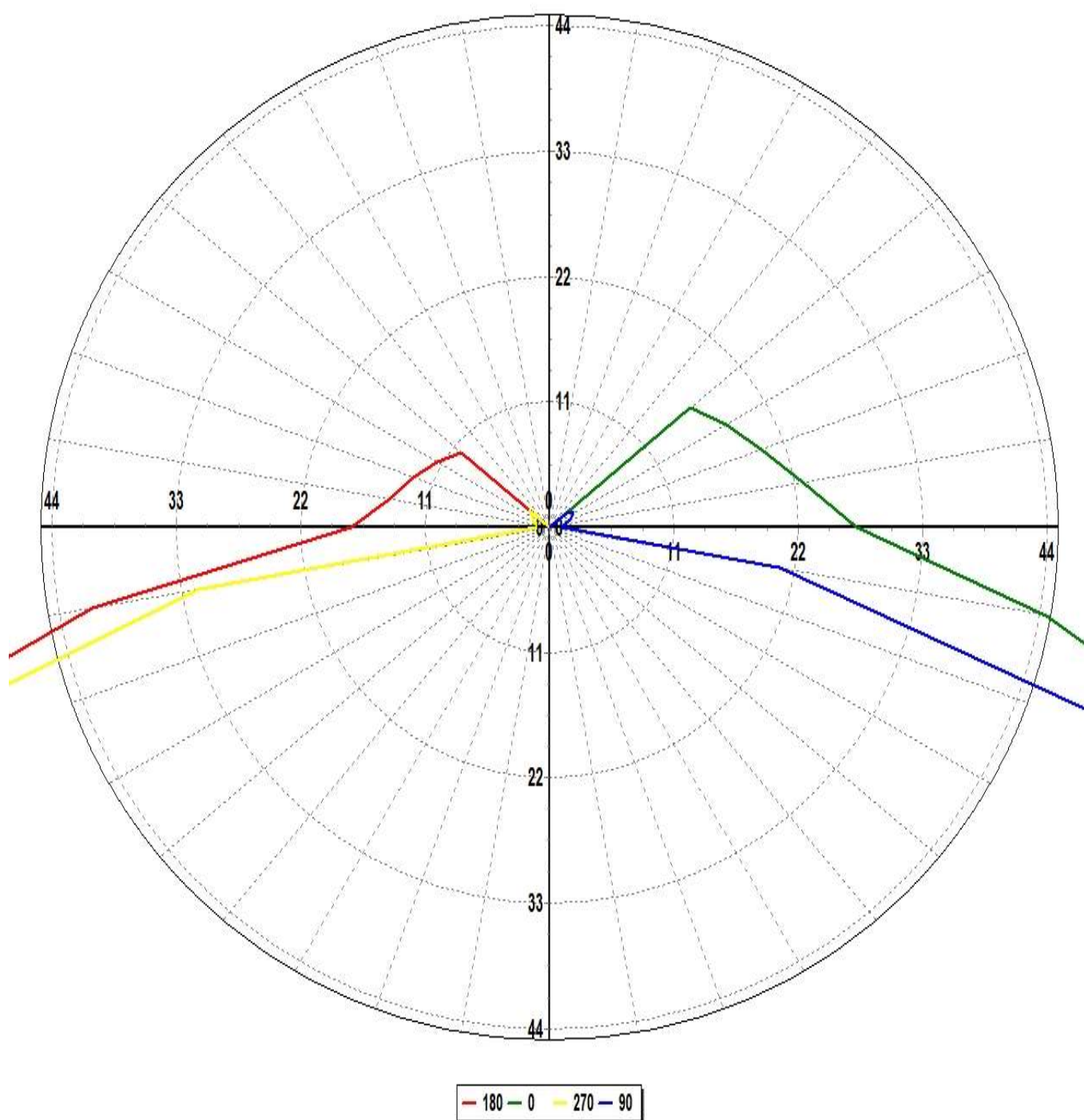
Current (A) Operator25

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A) Operator 25

Total flux (lm) 1784

Power Factor Date 1

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Luminous Intensity Data

Maximum (cd) : 785

Minimum (cd) : 2

G/C	0	30	60	90	120	150	180	210	240	270	300
0	740.21	736.53	738.07	741.57	743.51	747.4	740.21	736.53	738.07	741.57	743.51
10	634.1	641.89	677.59	717.38	751.55	770.12	784.71	776.06	757.34	727.04	693.19
20	499.04	515.95	582.24	659.45	714.9	733.96	762.04	756.96	732.02	680.88	606.7
30	377.85	394.78	470.32	569.35	633.73	640.68	674.53	679.64	663.71	601.44	498.48
40	292.24	298.74	355.43	456.13	516.14	503.84	533.07	552.01	553.86	493.96	382.99
50	229.69	225.99	257.26	333.49	381.83	355.62	374.83	400.44	420.81	370.96	279.19
60	176.45	167	175.5	217.93	252.51	229.89	241.56	264.22	285.92	251.53	193.18
70	127.79	114.31	106.61	117.63	144.28	132.85	143.88	157.43	171.3	144.94	122
80	79.57	67.55	49.5	36.83	57.59	60.43	73.22	78.62	77.16	56.11	62.74
90	48.42	39.28	21.14	1.92	16.92	26.82	31.26	30.28	19.6	2	23.45
100	40.53	34.46	18.29	2.47	14.18	23.22	25.63	23.01	14.94	2.12	19.04
110	35.54	31.02	13.18	3.41	9.31	20.83	22.91	21.11	13.77	2.83	17.26
120	32.16	24.92	4.14	4.44	3.06	17.66	20.53	17.62	3.92	2.95	4.88
130	29	14.93	12.38	3.92	8.53	4.24	18.2	14.43	7.73	4.17	11.1

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Luminous Intensity Data (Continued)

Maximum (cd) : 785

Minimum (cd) : 2

G/C	330	360
0	747.4	740.21
10	666.68	634.1
20	548.69	499.04
30	422.5	377.85
40	320.27	292.24
50	243.99	229.69
60	182.89	176.45
70	129.07	127.79
80	79.27	79.57
90	42.33	48.42
100	34.76	40.53
110	30.89	35.54
120	26.55	32.16
130	21.35	29

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Luminous Flux Table

Total Lamp Lumens: 1783.6

Luminaire Efficiency (lm/W): 109.30

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	17.72	17.72	0.99	0.99
10	136.26	153.98	8.63	8.63
20	243.26	397.24	22.27	22.27
30	302.42	699.66	39.23	39.23
40	308.51	1008.18	56.52	56.53
50	270.86	1279.04	71.71	71.71
60	208.56	1487.59	83.40	83.40
70	138.26	1625.86	91.16	91.16
80	69.98	1695.84	95.08	95.08
90	27.69	1723.53	96.63	96.63
100	22.71	1746.24	97.91	97.91
110	19.05	1765.28	98.97	98.97
120	12.87	1778.15	99.69	99.70
130	5.44	1783.59	100.00	100.00

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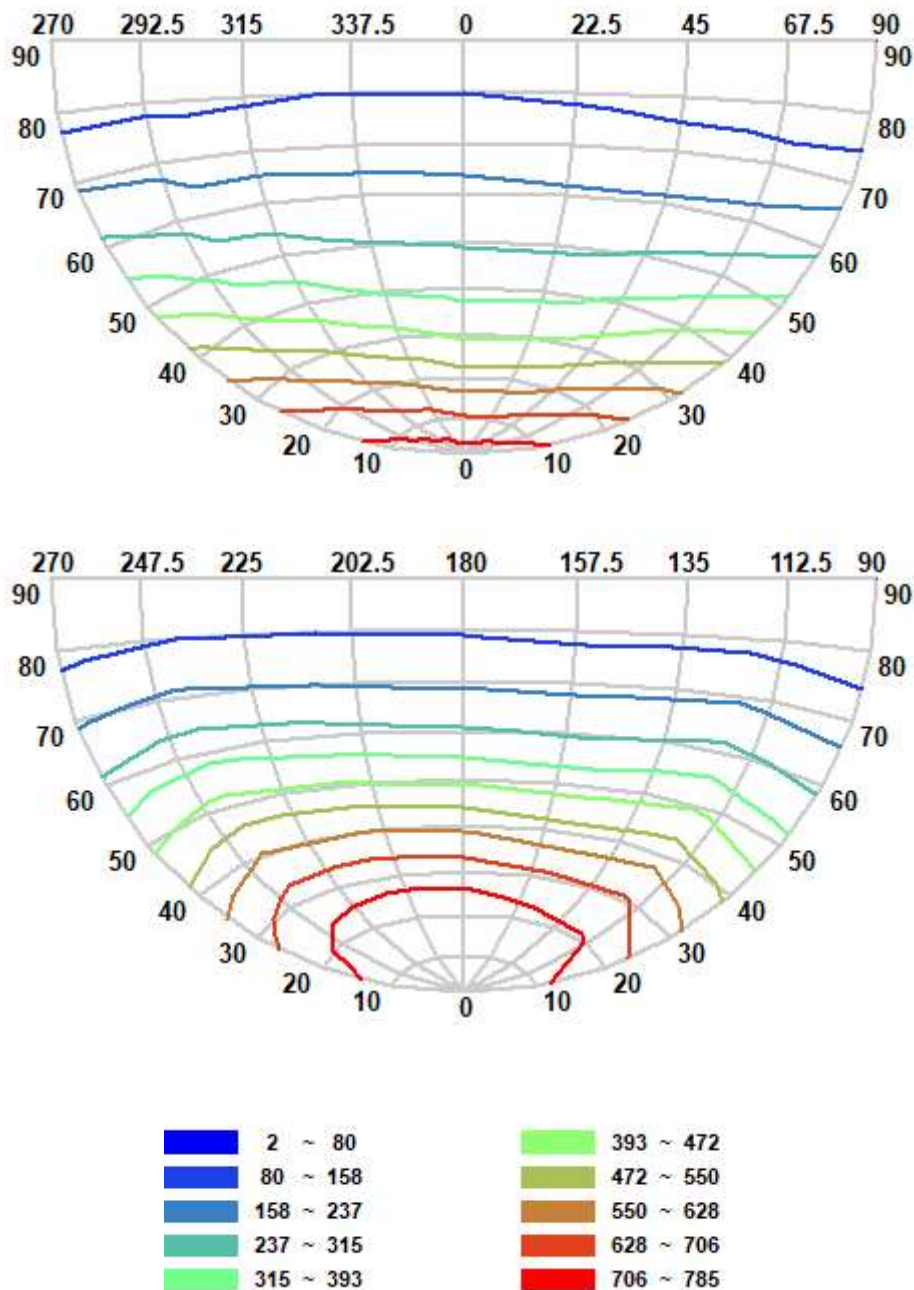
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IsoCandela (Type C)



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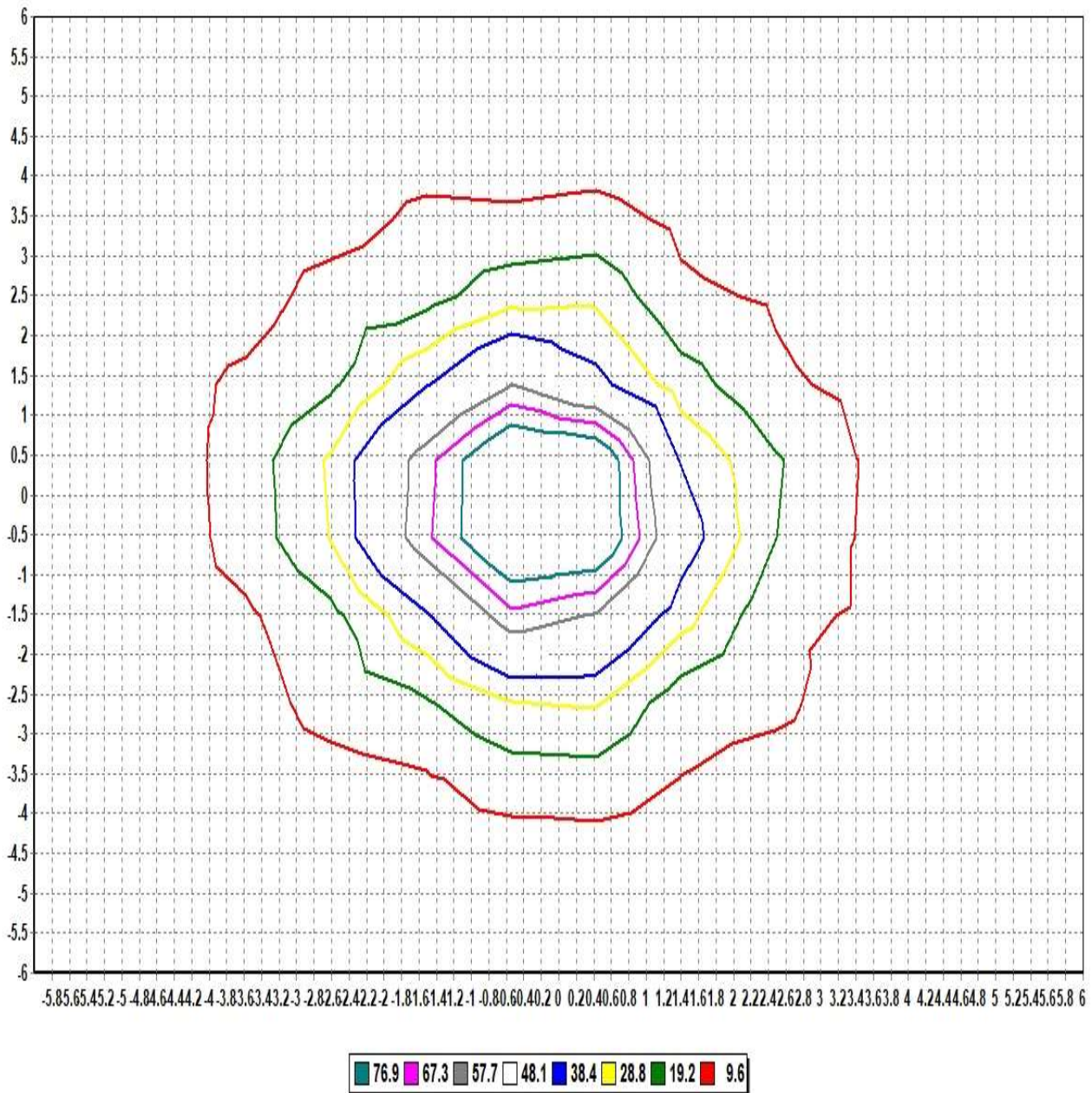
Current (A) Operator25

Total flux (lm) 1784

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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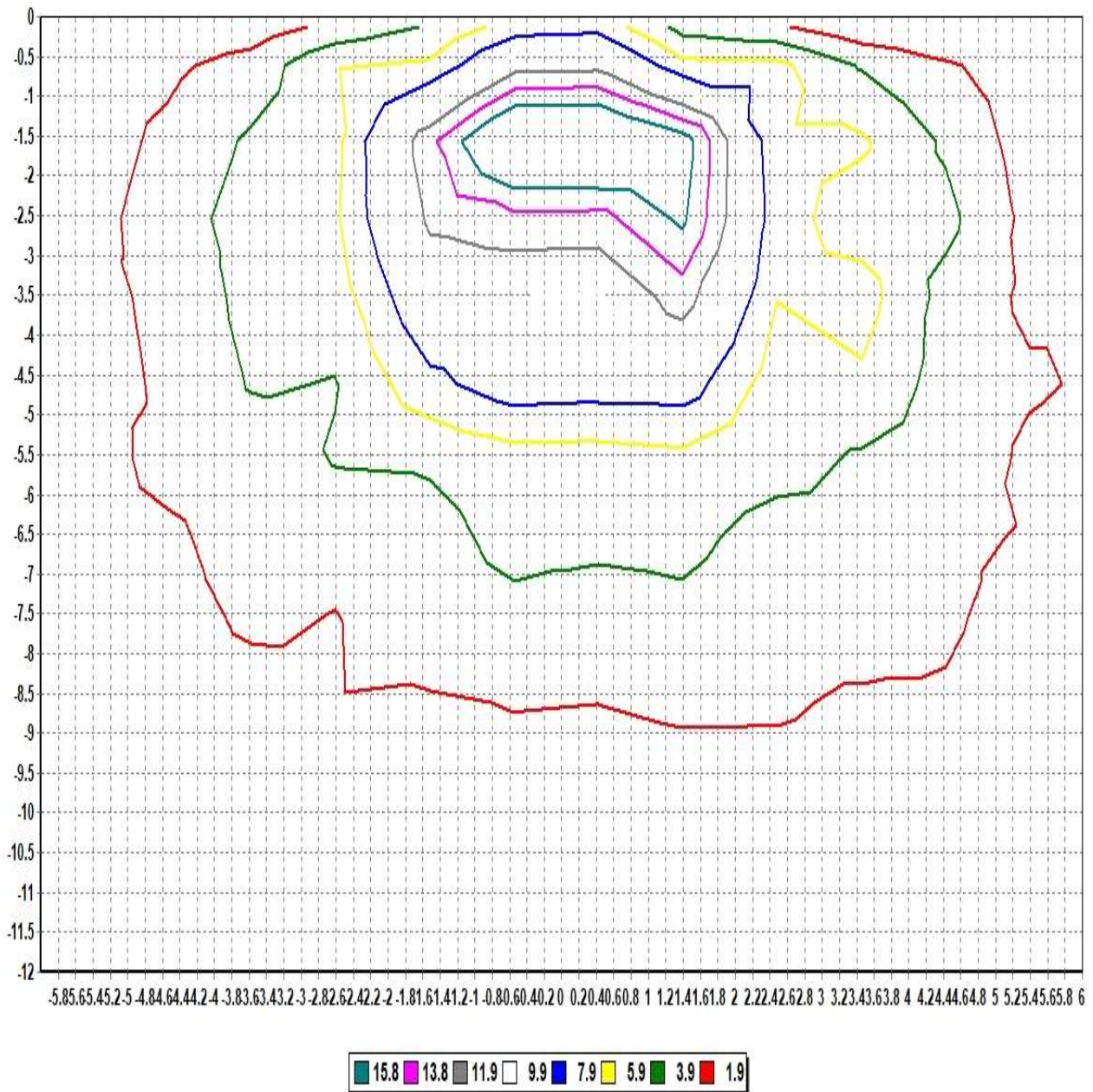
Current (A) Operator25

Total flux (lm) 1784

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

Report

230803

No. of lamps 1

Voltage (V) 23.911

Filename 230803 CDV16 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 1784

Current (A) 0.6825

Operator

Total flux (lm) 1784

Power Factor 1

Date

2023-08-03 오후 5:42:32

Illuminance Levels (Ground)

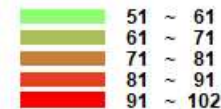
6.00	0.81	1.05	0.75	1.16	1.38	1.29	1.52	1.37	1.08	0.88	0.66	0.80	0.61
5.00	1.09	0.87	1.24	1.70	4.03	3.74	4.63	3.98	2.63	1.42	1.02	0.78	0.81
4.00	0.82	1.33	3.32	4.79	4.98	5.11	6.35	5.19	3.31	3.50	2.22	1.11	0.76
3.00	1.17	1.84	5.02	5.64	12.53	13.88	14.70	9.09	9.40	3.94	3.24	1.54	0.90
2.00	1.43	4.09	5.01	13.56	18.28	32.19	35.26	19.36	11.41	8.06	3.31	2.56	1.12
1.00	1.64	4.78	6.27	14.22	32.53	59.28	80.94	39.56	18.89	8.67	4.47	3.18	1.37
0.00	1.76	5.20	7.09	16.68	41.44	88.68	101.54	71.23	22.91	9.94	4.75	3.25	1.41
-1.00	1.60	4.72	6.25	14.95	34.76	66.41	82.07	54.55	23.81	10.15	4.46	3.14	1.36
-2.00	1.53	4.30	5.24	14.34	20.07	34.90	37.81	25.06	16.56	8.94	3.81	3.00	1.20
-3.00	1.26	1.95	5.28	6.08	15.09	15.60	16.24	12.02	13.06	5.26	3.55	1.58	0.97
-4.00	0.89	1.42	3.59	5.80	5.34	6.96	7.20	7.01	3.98	4.88	3.06	1.16	0.78
-5.00	1.15	1.00	1.60	2.30	4.45	5.11	5.17	5.27	3.36	1.99	1.33	0.88	0.86
-6.00	0.88	1.28	1.04	1.28	1.64	1.80	1.80	1.90	1.31	0.99	0.87	1.07	0.77
-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.) : 101.54

Illum. (Min.) : 0.6112

Illum. (Avg.) : 9.8247

All illuminance level values are in lux.



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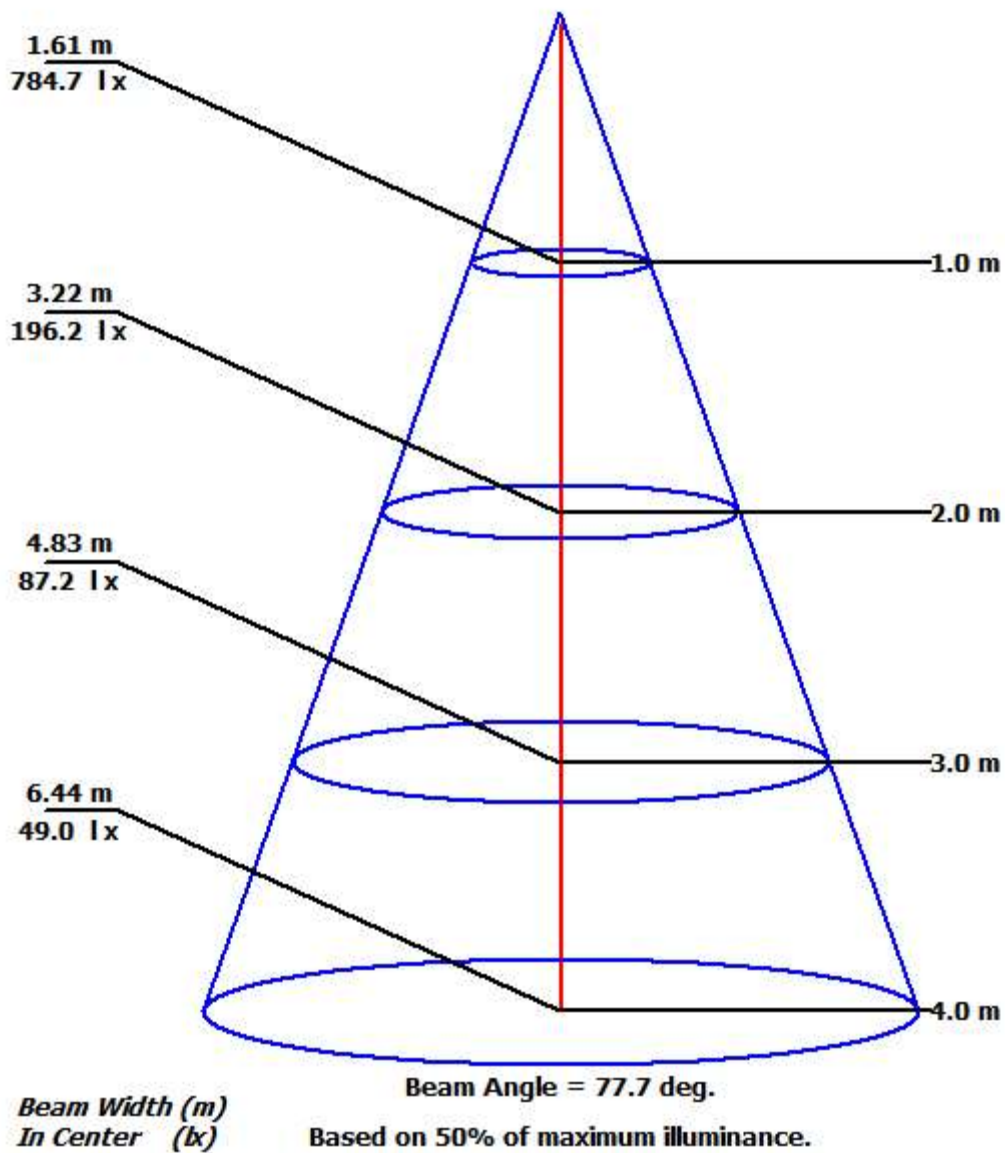
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Illuminance Cone Diagram



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Lamp flux (lm) 1784 Current (A) 0.6825

Operator

Total flux (lm) 1784 Power Factor 1

Date 2023-08-03 오후 5:42:32

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