

TEST REPORT

1. Applicant

* Client Name : FEELUX Co. Ltd.
 * Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
 * Date of Receipt : 20260417

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260417 FNx1 27K-24V-C90

5. Test Period : 260417 ~ 260417

6. Test Environment

* Ambient Temp. : 25.0 +- 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 | |
|--------------|---------|------|-------------------|------|
| | 김정도 | Sign | 김정도 | Sign |

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reproduced, 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 |
|---------------|-------------|---------------|---------------|
| KH FEELUX | | | |

| Test Item | Unit | Result | Notice |
|-----------------------------------|------|-----------------|--------|
| Beam Distribution Test | | See Attachement | |
| ATHD | % | 0.0 | |
| CIE 1931 Cx, Cy | | 0.4568 , 0.4095 | |
| Correlated Color Temperature | K | 2732 | |
| Ra | | 90.18 | |
| Power Factor | | 1.000 | |
| Input Voltage | V | 23.941 | |
| Input Current | A | 0.407 | |
| Input Watt | W | 9.752 | |
| Lamp Flux | lm | 665.6 | |
| Efficient | lm/W | 68.26 | |
| luminous Intensity (Max , Center) | cd | 222 , 222 | |
| Illuminance | lx | 222 | 1 m |
| | | 55 | 2 m |
| | | 25 | 3 m |

* This test result is for the sample provided by the client.

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.9Filename 260417 FNX1 27K-24V-C90.jdt

Lamp flux (lm) 666

Current (A)

0.407Operator

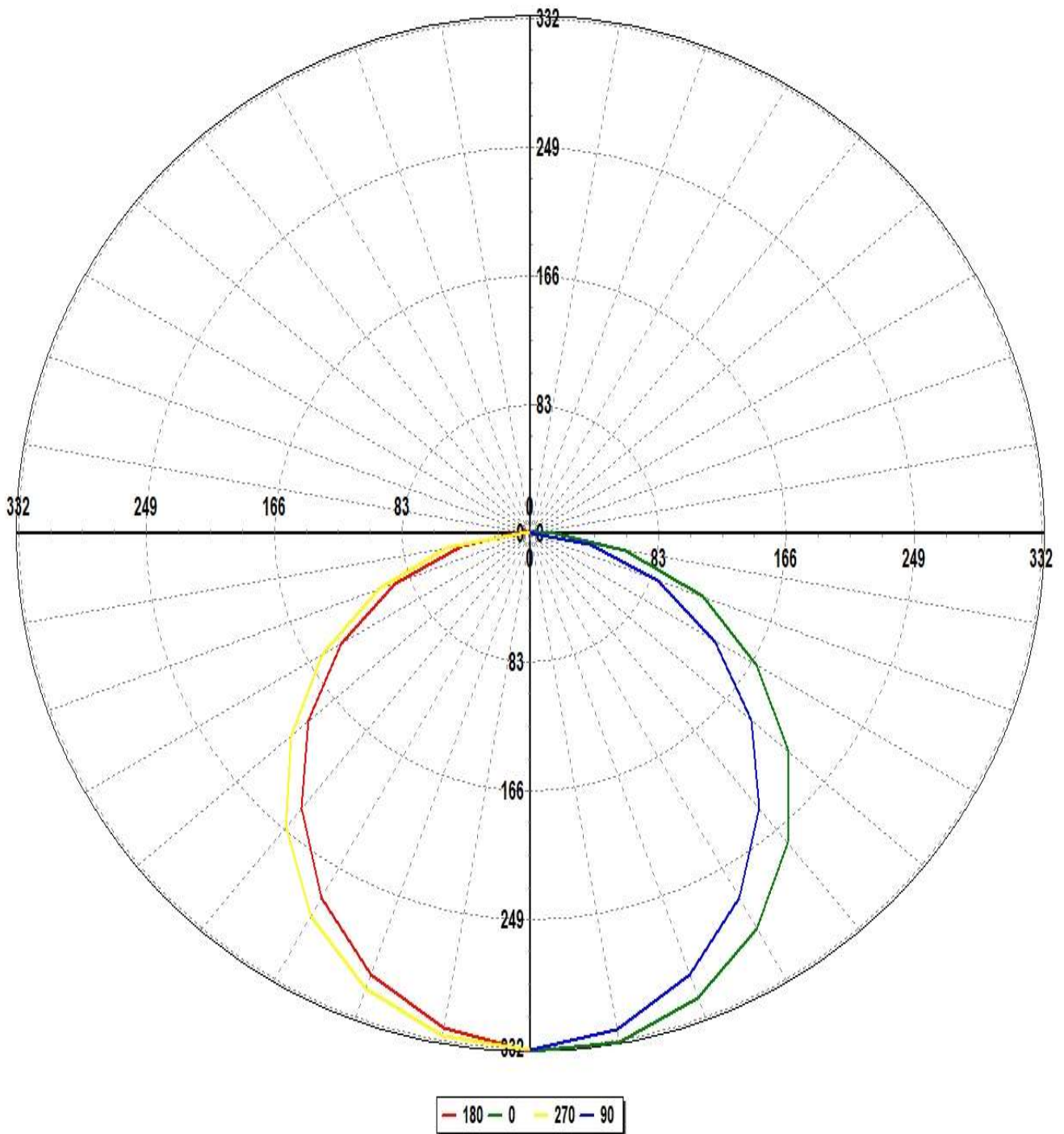
Total flux (lm) 666

Power Factor

0.99Date

2026-04-17 오전 9:33:22

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

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Lamp flux (lm) 666

Current (A)

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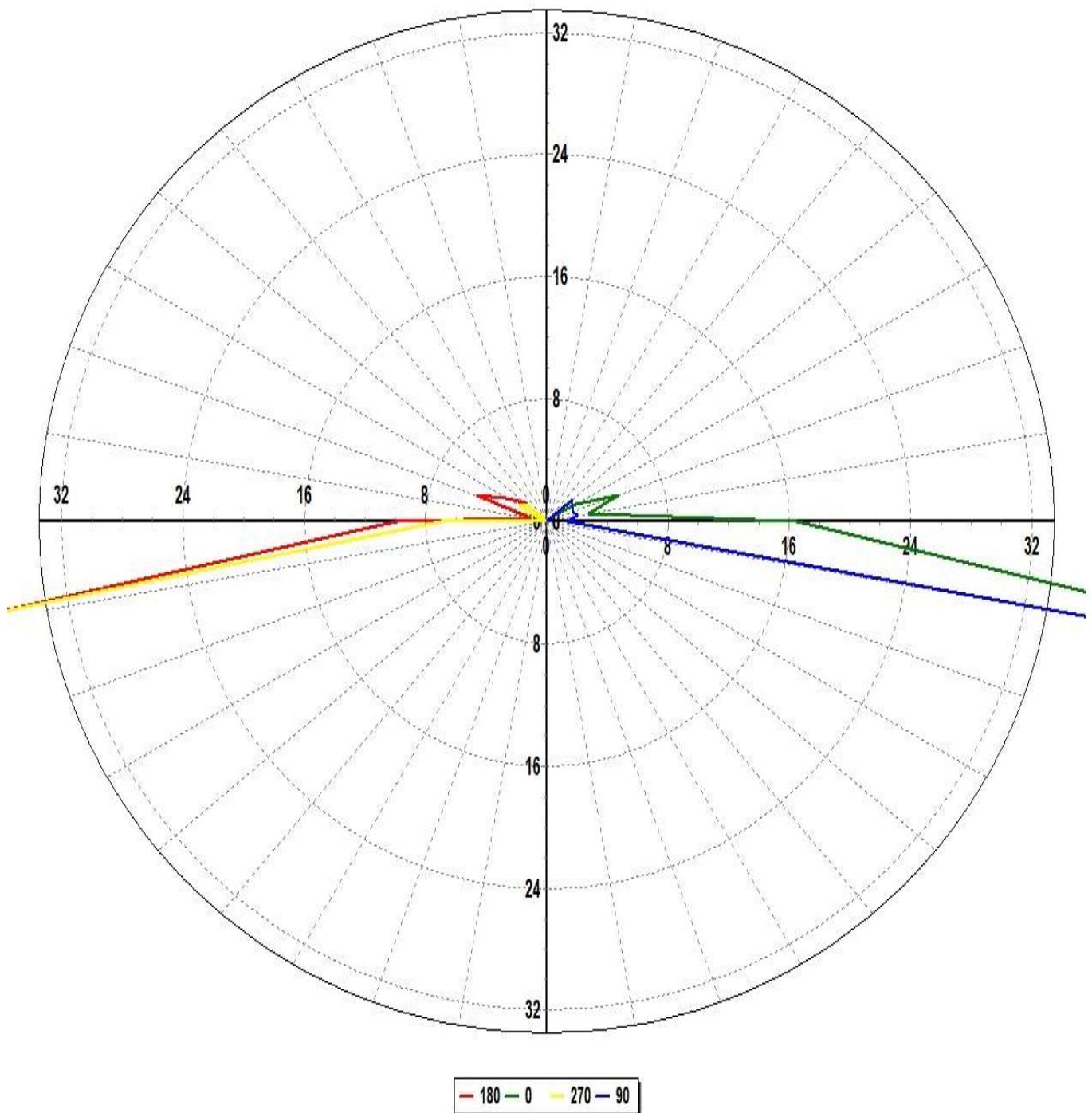
Total flux (lm) 666

Power Factor

0.99Date

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

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No. of lamps 1

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Lamp flux (lm) 666

Current (A)

0.407Operator

Total flux (lm) 666

Power Factor

0.99Date

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Luminous Intensity Data

Maximum (cd) : 222

Minimum (cd) : 0

| G/C | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 221.99 | 221.44 | 220.01 | 221.3 | 220.89 | 218.46 | 221.99 | 221.44 | 220.01 | 221.3 | 220.89 |
| 10 | 221.43 | 219.94 | 216.85 | 215.56 | 213.71 | 210.7 | 214.96 | 215.59 | 216.22 | 218.57 | 220.71 |
| 20 | 211.71 | 210.22 | 206.09 | 201.32 | 198.62 | 194.63 | 200.92 | 201.78 | 203.41 | 207.42 | 211.23 |
| 30 | 195.45 | 193.4 | 187.37 | 180.27 | 176.69 | 171.81 | 180.18 | 181.84 | 183.89 | 189.15 | 195.35 |
| 40 | 172.88 | 169.27 | 162.31 | 153.98 | 150.36 | 145.61 | 153.69 | 156.13 | 158.01 | 164.28 | 171.14 |
| 50 | 145.4 | 140.74 | 133.58 | 124.69 | 119.72 | 114.82 | 124.97 | 126.38 | 128.99 | 134.88 | 143.26 |
| 60 | 112.88 | 109.37 | 102.32 | 92.24 | 87.3 | 83.58 | 94.14 | 95.51 | 97.07 | 103.81 | 111.96 |
| 70 | 79.17 | 75.53 | 68.84 | 58.59 | 56.6 | 52.43 | 62.23 | 63.1 | 64.73 | 69.46 | 78.05 |
| 80 | 41.85 | 40.85 | 35.47 | 26.22 | 23.92 | 19.68 | 30.09 | 31.91 | 33.65 | 36.39 | 45.7 |
| 90 | 10.98 | 9.04 | 3.87 | 0.89 | 2.34 | 4.55 | 6.58 | 6.09 | 3.39 | 4.64 | 11.51 |
| 100 | 1.89 | 1.98 | 1.64 | 1.38 | 0.95 | 0.93 | 0.71 | 0.61 | 1.75 | 0.09 | 2.28 |
| 110 | 3.37 | 1.8 | 1.23 | 1.24 | 0.92 | 2.21 | 3.29 | 2.41 | 0.61 | 0.31 | 1.12 |
| 120 | 1.47 | 1.69 | 0.92 | 1.29 | 1.12 | 1.51 | 2.07 | 2.28 | 0.63 | 1.39 | 1.31 |
| 130 | 0.42 | 1.71 | 1.68 | 1.46 | 1.16 | 2.35 | 1.22 | 1.66 | 1.14 | 1.11 | 1.05 |

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Current (A)

0.407Operator

Total flux (lm) 666

Power Factor

0.99Date

2026-04-17 오전 9:33:22

Luminous Intensity Data (Continued)

Maximum (cd) : 222

Minimum (cd) : 0

| G/C | 330 | 360 |
|-----|--------|--------|
| 0 | 218.46 | 221.99 |
| 10 | 220.8 | 221.43 |
| 20 | 212.32 | 211.71 |
| 30 | 199.03 | 195.45 |
| 40 | 177.58 | 172.88 |
| 50 | 150.78 | 145.4 |
| 60 | 120.19 | 112.88 |
| 70 | 86.98 | 79.17 |
| 80 | 52.81 | 41.85 |
| 90 | 16.55 | 10.98 |
| 100 | 0.36 | 1.89 |
| 110 | 3.07 | 3.37 |
| 120 | 1.74 | 1.47 |
| 130 | 1.23 | 0.42 |

Luminaire KH FEELUX

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Current (A)

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Total flux (lm) 666

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Luminous Flux Table

Total Lamp Lumens: 665.60

Luminaire Efficiency (lm/W): 68.25

CIE Classification: Direct

| Elevation | Lumens | Cumulative | Lamp % | Luminaire % |
|-----------|--------|------------|--------|-------------|
| 0 | 5.28 | 5.28 | 0.79 | 0.79 |
| 10 | 41.29 | 46.56 | 7.00 | 7.00 |
| 20 | 76.78 | 123.34 | 18.53 | 18.53 |
| 30 | 101.97 | 225.31 | 33.85 | 33.85 |
| 40 | 113.53 | 338.85 | 50.91 | 50.91 |
| 50 | 111.04 | 449.89 | 67.59 | 67.59 |
| 60 | 95.67 | 545.56 | 81.96 | 81.96 |
| 70 | 69.96 | 615.52 | 92.48 | 92.48 |
| 80 | 37.62 | 653.14 | 98.13 | 98.13 |
| 90 | 7.34 | 660.48 | 99.23 | 99.23 |
| 100 | 1.31 | 661.79 | 99.43 | 99.43 |
| 110 | 1.85 | 663.64 | 99.71 | 99.70 |
| 120 | 1.38 | 665.02 | 99.91 | 99.91 |
| 130 | 0.59 | 665.60 | 100.00 | 100.00 |

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Lamp flux (lm) 666

Current (A)

0.407Operator

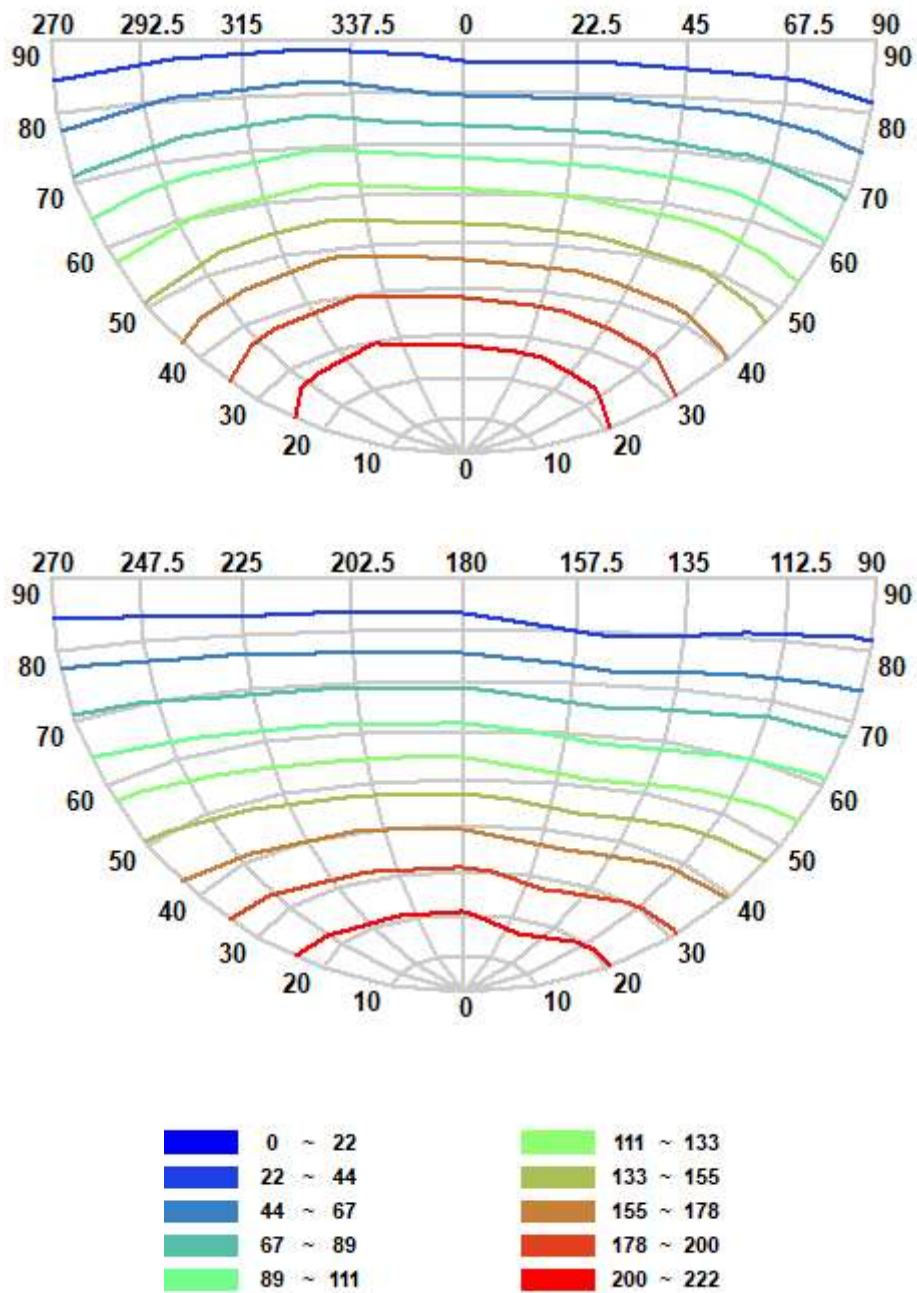
Total flux (lm) 666

Power Factor

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IsoCandela (Type C)



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Current (A)

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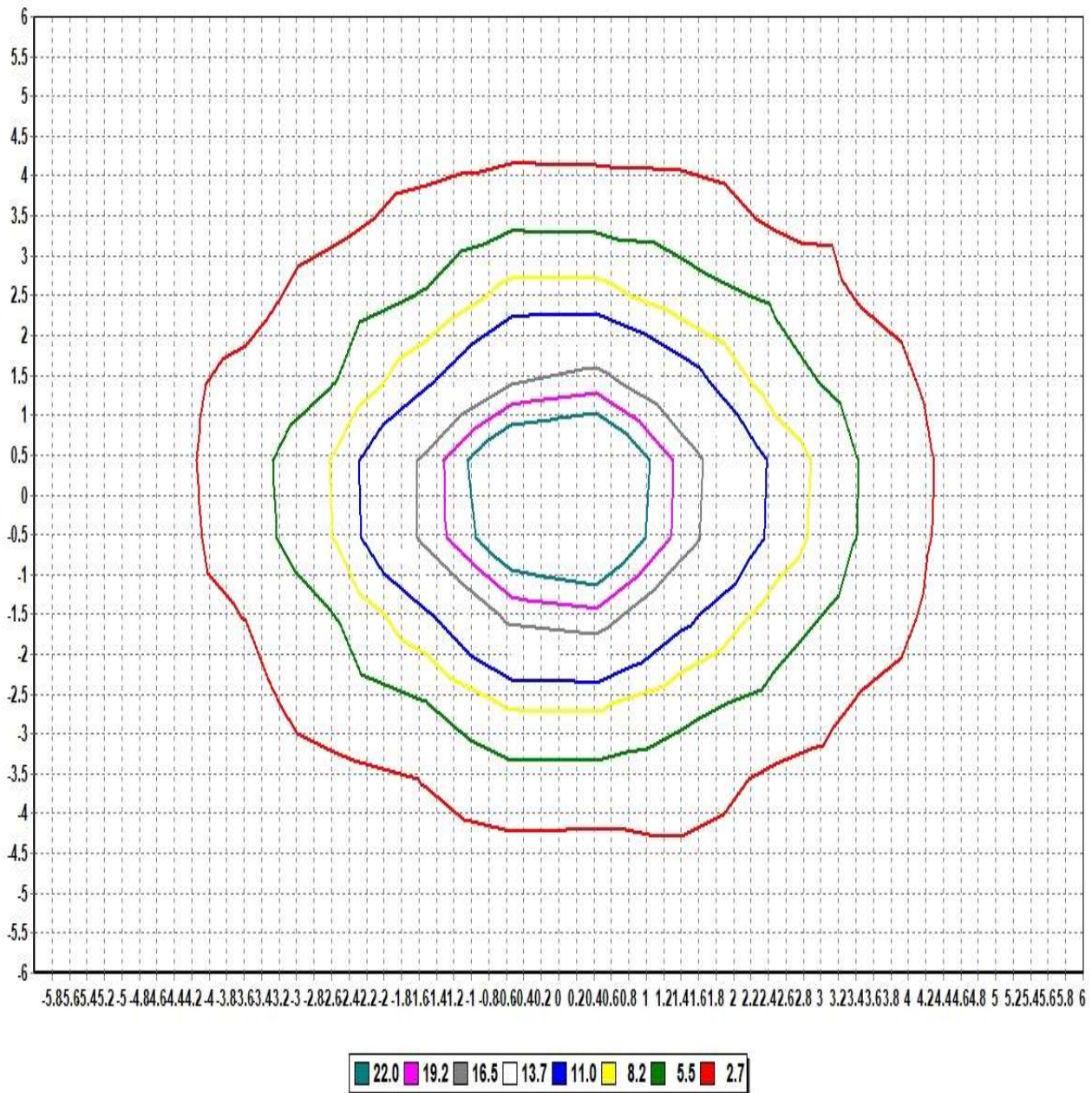
Total flux (lm) 666

Power Factor

0.99Date

2026-04-17 오전 9:33:22

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

23.9Filename 260417 FNX1 27K-24V-C90.jdt

Lamp flux (lm) 666

Current (A)

0.407Operator

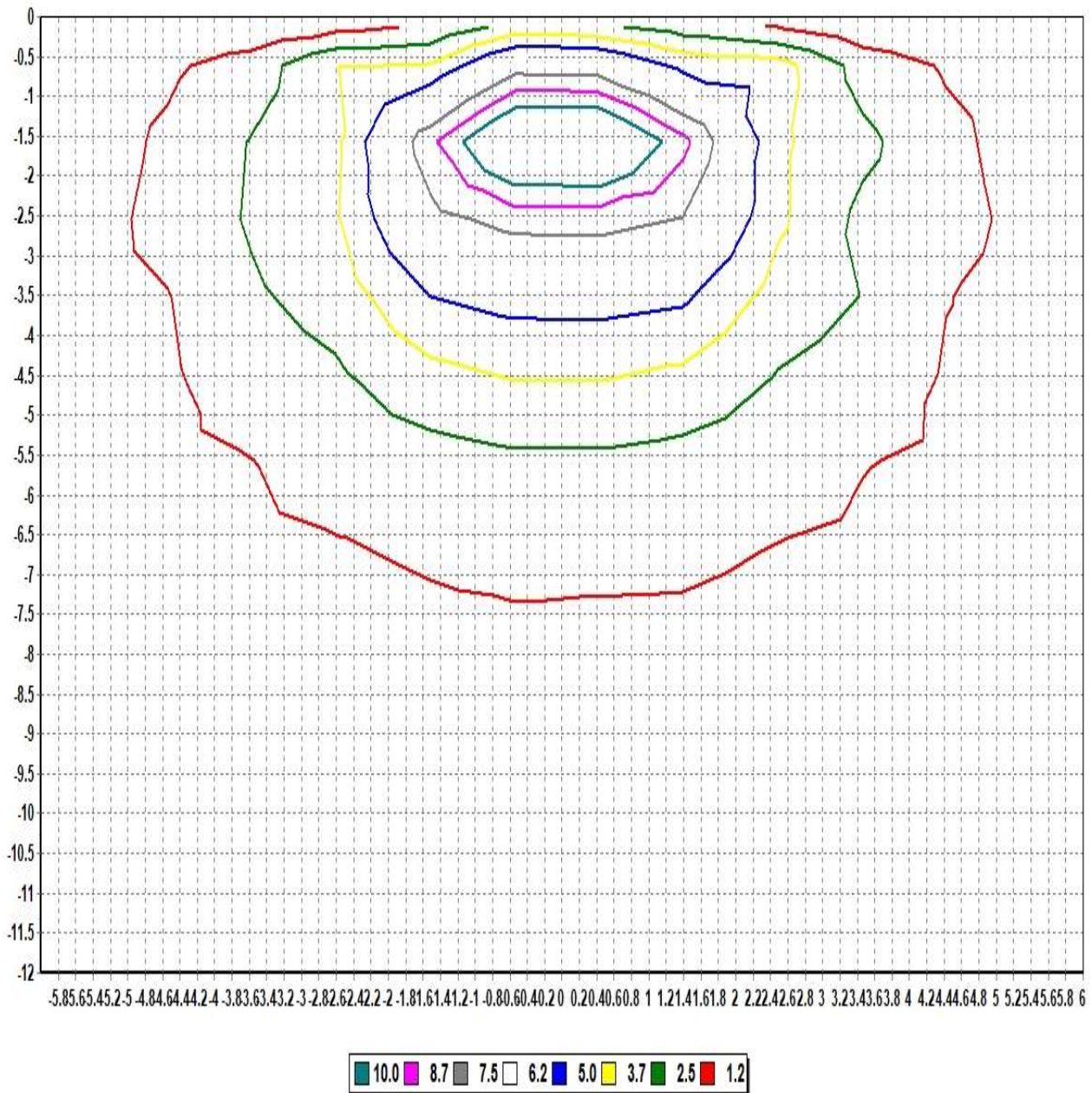
Total flux (lm) 666

Power Factor

0.99Date

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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) | 23.941 |
| Lamp flux (lm) | 666 | Current (A) | 0.40736 |
| Total flux (lm) | 666 | Power Factor | 0.9999 |

Report KH FEELUX

Filename 260417 FNX1 27K-24V-C90.jdt

Operator

Date 2026-04-17 오전 9:33:22

Illuminance Levels (Ground)

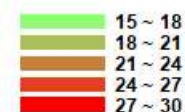
| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 6.00 | 0.31 | 0.42 | 0.36 | 0.45 | 0.56 | 0.72 | 0.69 | 0.69 | 0.69 | 0.58 | 0.42 | 0.49 | 0.39 |
| 5.00 | 0.39 | 0.38 | 0.54 | 0.76 | 1.36 | 1.74 | 1.76 | 1.71 | 1.58 | 0.87 | 0.65 | 0.50 | 0.52 |
| 4.00 | 0.32 | 0.50 | 1.18 | 1.74 | 1.73 | 2.43 | 2.53 | 2.42 | 2.12 | 1.91 | 1.41 | 0.71 | 0.48 |
| 3.00 | 0.44 | 0.69 | 1.63 | 2.08 | 4.26 | 4.62 | 5.36 | 5.23 | 4.55 | 2.53 | 2.05 | 0.97 | 0.59 |
| 2.00 | 0.54 | 1.33 | 1.71 | 4.03 | 6.02 | 9.51 | 11.61 | 10.61 | 6.93 | 4.84 | 2.15 | 1.62 | 0.73 |
| 1.00 | 0.66 | 1.61 | 2.24 | 4.48 | 9.45 | 17.50 | 24.33 | 18.91 | 10.69 | 5.40 | 2.86 | 2.00 | 0.89 |
| 0.00 | 0.72 | 1.76 | 2.56 | 5.37 | 11.59 | 24.26 | 30.45 | 25.01 | 12.86 | 6.20 | 3.03 | 2.06 | 0.89 |
| -1.00 | 0.62 | 1.58 | 2.22 | 4.78 | 9.83 | 17.72 | 24.68 | 18.72 | 10.83 | 5.54 | 2.85 | 1.98 | 0.87 |
| -2.00 | 0.60 | 1.43 | 1.87 | 4.28 | 6.16 | 9.86 | 12.31 | 10.73 | 6.75 | 4.97 | 2.20 | 1.67 | 0.76 |
| -3.00 | 0.49 | 0.79 | 1.77 | 2.18 | 4.39 | 4.84 | 5.78 | 5.31 | 4.60 | 2.45 | 2.12 | 1.05 | 0.61 |
| -4.00 | 0.38 | 0.58 | 1.23 | 1.81 | 1.88 | 2.50 | 2.79 | 2.49 | 2.17 | 1.94 | 1.37 | 0.76 | 0.52 |
| -5.00 | 0.44 | 0.41 | 0.59 | 0.82 | 1.44 | 1.77 | 1.91 | 1.75 | 1.61 | 0.88 | 0.66 | 0.48 | 0.55 |
| -6.00 | 0.33 | 0.45 | 0.39 | 0.50 | 0.61 | 0.74 | 0.80 | 0.73 | 0.71 | 0.60 | 0.43 | 0.49 | 0.38 |
| -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.) : 30.452

Illum. (Min.) : 0.3144

Illum. (Avg.) : 3.5886

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1

Voltage (V)

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Lamp flux (lm) 666

Current (A)

0.407Operator

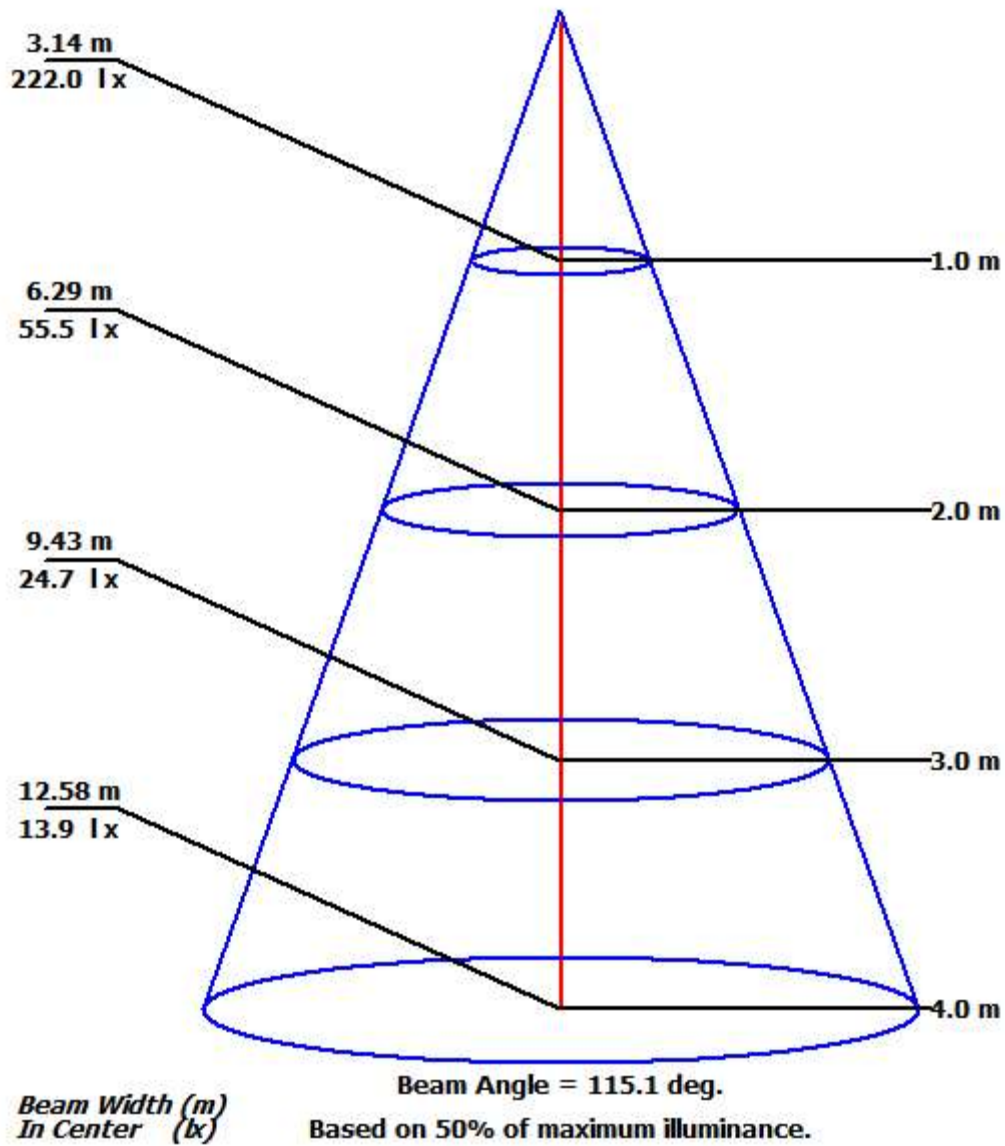
Total flux (lm) 666

Power Factor

0.99Date

2026-04-17 오전 9:33:22

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.941

Filename 260417 FNX1 27K-24V-C90.jdt

Lamp flux (lm) 666 Current (A) 0.40736

Operator

Total flux (lm) 666 Power Factor 0.9999

Date 2026-04-17 오전 9:33:22

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 |