

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 : 20260320

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260320 EGL7-30K_CRI90_DIFUSSER(고효율)

5. Test Period : 260320 ~ 260320

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 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 |
|---------------|-------------|---------------|---------------|
| KH FEELUX | | | |

| Test Item | Unit | Result | Notice |
|-----------------------------------|------|-----------------|--------|
| Beam Distribution Test | | See Attachement | |
| ATHD | % | 0.0 | |
| CIE 1931 Cx, Cy | | 0.4404 , 0.4055 | |
| Correlated Color Temperature | K | 2954 | |
| Ra | | 93.07 | |
| Power Factor | | 1.000 | |
| Input Voltage | V | 23.943 | |
| Input Current | A | 0.363 | |
| Input Watt | W | 8.68 | |
| Lamp Flux | lm | 420.2 | |
| Efficient | lm/W | 48.41 | |
| luminous Intensity (Max , Center) | cd | 144 , 144 | |
| Illuminance | lx | 144 | 1 m |
| | | 36 | 2 m |
| | | 16 | 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)

Filename:260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

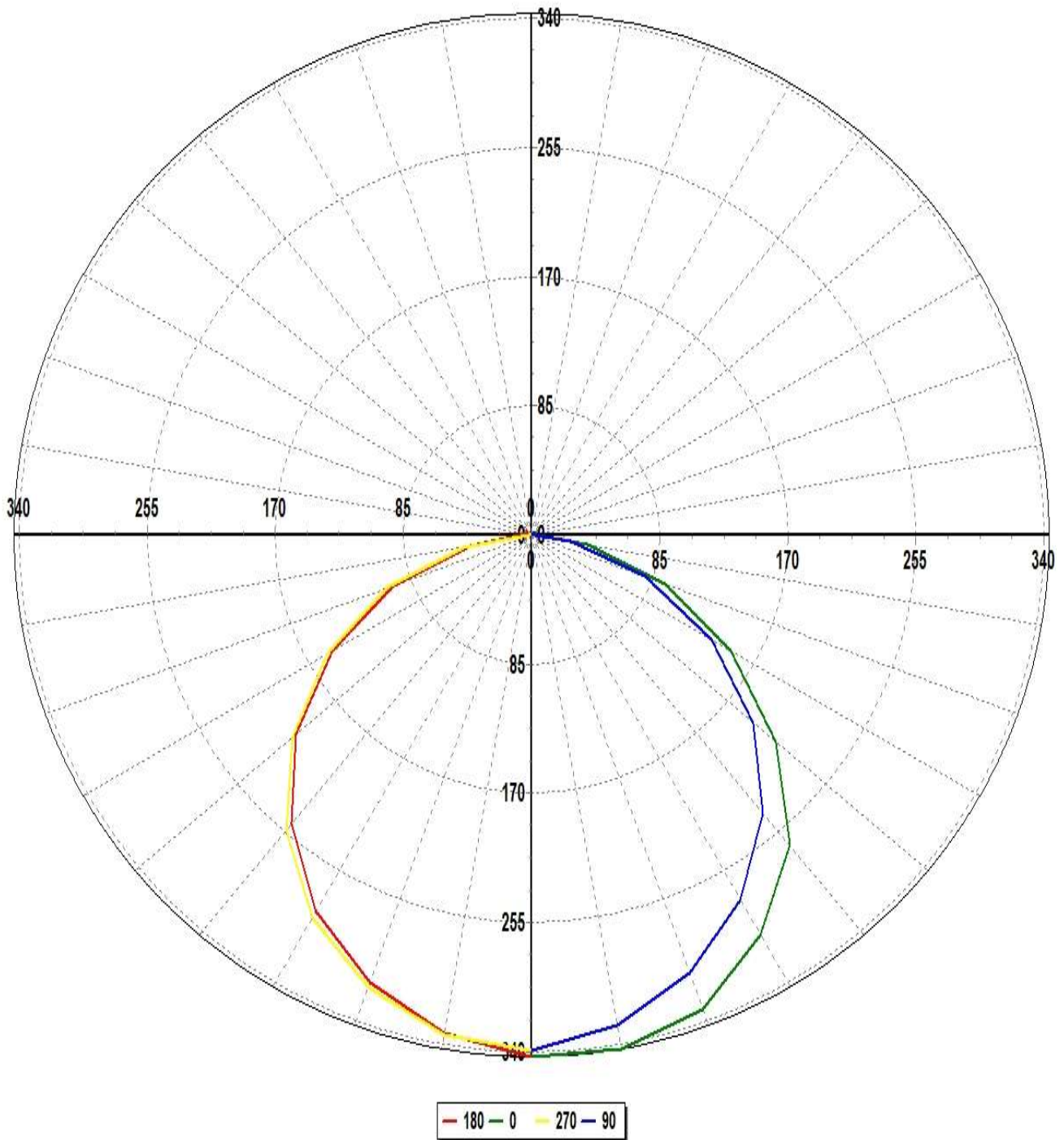
Total flux (lm) 420

Power Factor

Date.9999

2026-03-20 오후 2:41:49

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename: 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

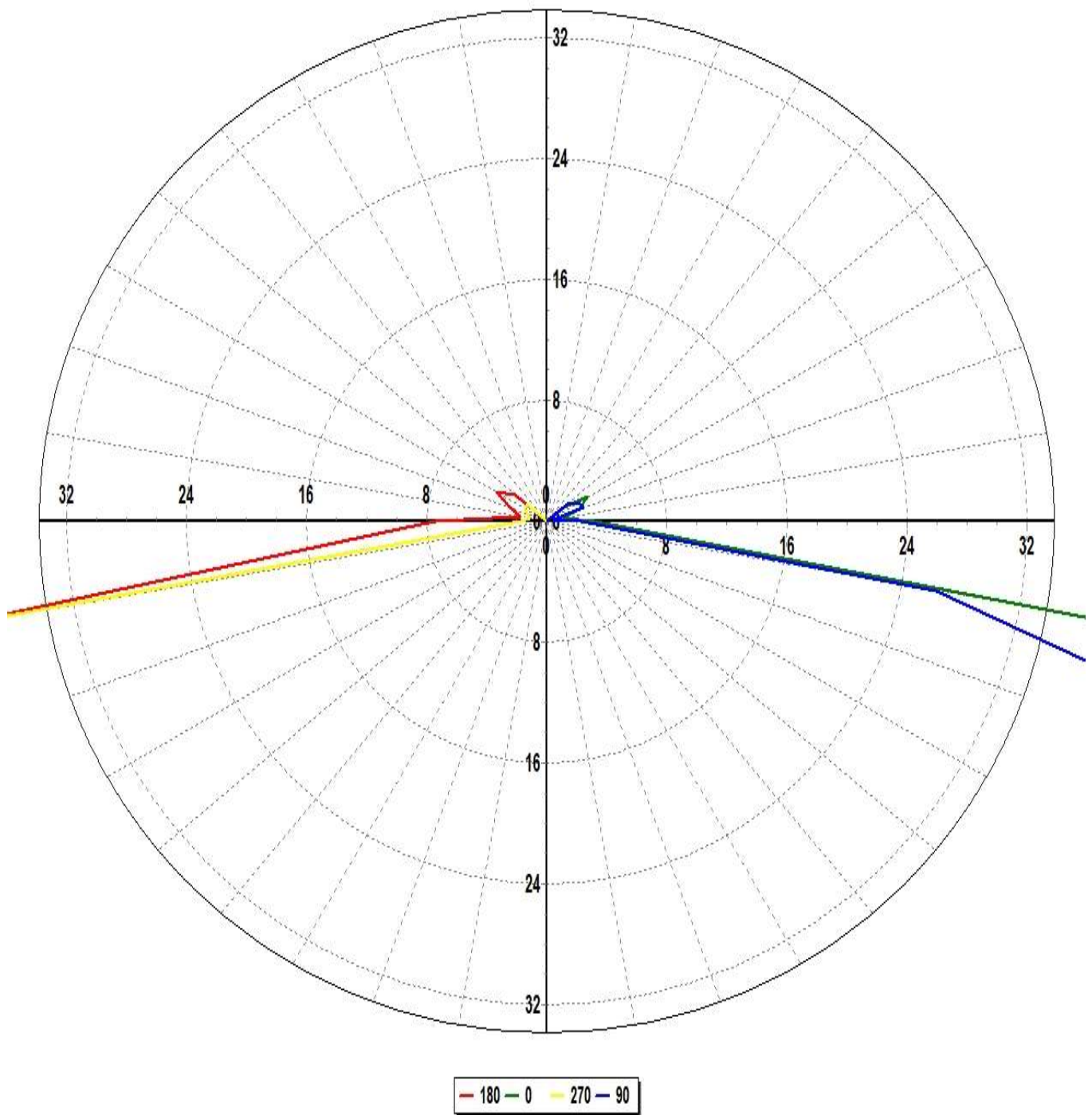
Total flux (lm) 420

Power Factor

Date.9999

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename: 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator 6

Total flux (lm) 420

Power Factor

Date: 9999

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Luminous Intensity Data

Maximum (cd) : 144

Minimum (cd) : 0

| G/C | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 144.16 | 143.85 | 142.16 | 142.55 | 139.84 | 133.27 | 144.16 | 143.85 | 142.16 | 142.55 | 139.84 |
| 10 | 144.31 | 143.53 | 141.02 | 137.84 | 134.47 | 130.21 | 139.83 | 140.58 | 140.83 | 140.42 | 139.47 |
| 20 | 139.69 | 137.77 | 134.41 | 128.84 | 125.58 | 122.52 | 131.78 | 132.36 | 132.08 | 132.89 | 136.19 |
| 30 | 127.61 | 127.18 | 123.51 | 116.46 | 113.05 | 111.22 | 120 | 120.57 | 120.82 | 122.23 | 125.63 |
| 40 | 112.04 | 110.82 | 107.84 | 100.41 | 96.61 | 95.33 | 104.11 | 104.2 | 103.35 | 106.54 | 112.16 |
| 50 | 89.05 | 88.99 | 88.15 | 80.78 | 77.97 | 77.78 | 85.7 | 85.88 | 85.75 | 87.05 | 93.97 |
| 60 | 64.01 | 64.07 | 66.47 | 57.99 | 56.3 | 56.98 | 63.95 | 65.58 | 63.99 | 65.79 | 74.29 |
| 70 | 39.71 | 39.17 | 40.97 | 33.8 | 35.1 | 35.97 | 40.8 | 41.57 | 42.48 | 42.71 | 48.86 |
| 80 | 15.75 | 16.82 | 17.04 | 11.07 | 14.36 | 14.27 | 17.22 | 19.73 | 19.68 | 19.37 | 24.51 |
| 90 | 1.32 | 0.93 | -0.25 | 0.96 | 0.32 | 1.98 | 3.12 | 2.97 | 1.02 | 0.71 | 3.6 |
| 100 | 0.47 | 1.17 | 0.44 | 0.2 | 1.05 | 0.39 | 0.75 | 0.46 | 0.69 | 0.48 | 0.38 |
| 110 | 0.97 | 0.46 | 0.49 | 1.1 | 1.33 | 0.81 | 1.09 | 0.88 | 0.25 | 0.59 | 1.04 |
| 120 | 1.34 | 0.88 | 0.51 | 1.03 | 1.32 | 0.62 | 1.63 | 0.55 | 0.96 | 0.72 | 0.6 |
| 130 | 0.62 | 0.84 | 0.94 | 0.74 | 1.08 | 1.31 | 1.15 | 0.14 | 0.79 | 0.71 | 0.59 |

Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1

Voltage (V)

Filename: 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

Total flux (lm) 420

Power Factor

Date.9999

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Luminous Intensity Data (Continued)

Maximum (cd) : 144

Minimum (cd) : 0

| G/C | 330 | 360 |
|-----|--------|--------|
| 0 | 133.27 | 144.16 |
| 10 | 136.91 | 144.31 |
| 20 | 135.64 | 139.69 |
| 30 | 127.45 | 127.61 |
| 40 | 113.92 | 112.04 |
| 50 | 96.57 | 89.05 |
| 60 | 72.94 | 64.01 |
| 70 | 49.85 | 39.71 |
| 80 | 26.55 | 15.75 |
| 90 | 5.61 | 1.32 |
| 100 | 0.48 | 0.47 |
| 110 | 1.33 | 0.97 |
| 120 | 0.62 | 1.34 |
| 130 | 1.21 | 0.62 |

Luminaire KH FEELUX

Lamp

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KH FEELUX

No. of lamps 1

Voltage (V)

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Lamp flux (lm) 420

Current (A)

Operator6

Total flux (lm) 420

Power Factor

Date.9999

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Luminous Flux Table

Total Lamp Lumens: 420.16

Luminaire Efficiency (lm/W): 48.41

CIE Classification: Direct

| Elevation | Lumens | Cumulative | Lamp % | Luminaire % |
|-----------|--------|------------|--------|-------------|
| 0 | 3.37 | 3.37 | 0.80 | 0.80 |
| 10 | 26.46 | 29.83 | 7.10 | 7.10 |
| 20 | 49.63 | 79.45 | 18.91 | 18.91 |
| 30 | 66.43 | 145.89 | 34.72 | 34.72 |
| 40 | 74.35 | 220.24 | 52.41 | 52.42 |
| 50 | 72.55 | 292.79 | 69.68 | 69.68 |
| 60 | 61.05 | 353.84 | 84.21 | 84.21 |
| 70 | 42.11 | 395.94 | 94.23 | 94.24 |
| 80 | 19.45 | 415.39 | 98.86 | 98.87 |
| 90 | 2.03 | 417.43 | 99.34 | 99.35 |
| 100 | 0.63 | 418.05 | 99.49 | 99.50 |
| 110 | 0.89 | 418.94 | 99.70 | 99.71 |
| 120 | 0.85 | 419.79 | 99.90 | 99.91 |
| 130 | 0.37 | 420.16 | 99.99 | 100.00 |

Luminaire KH FEELUX

Lamp

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No. of lamps 1

Voltage (V)

Filename:260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

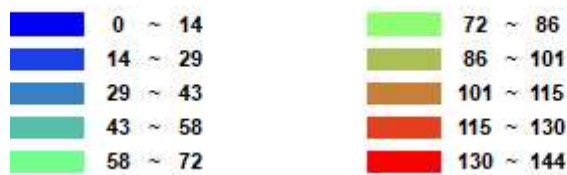
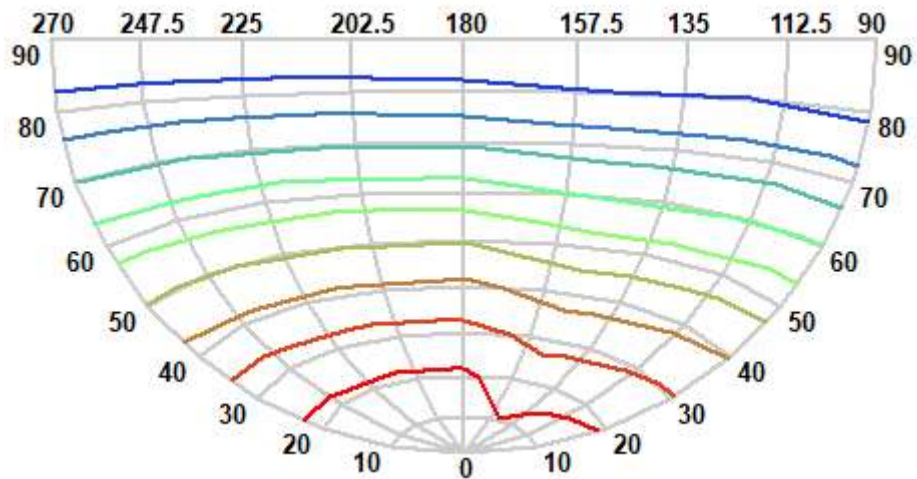
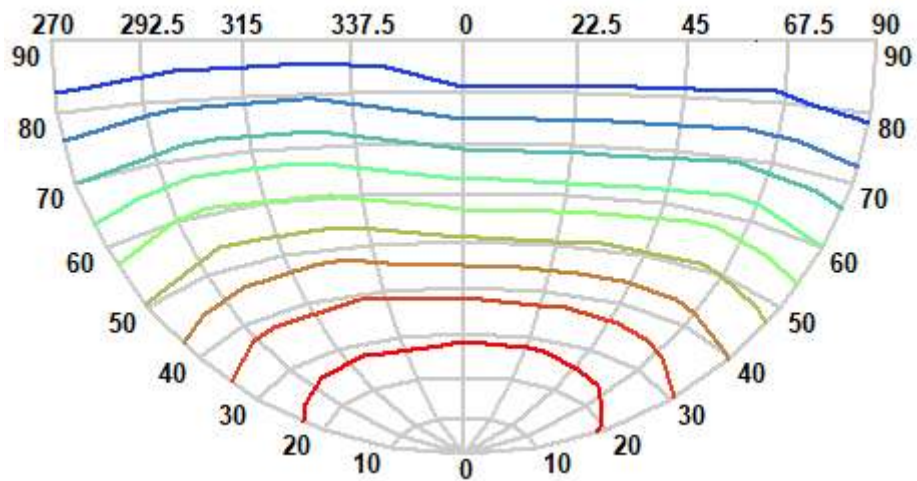
Total flux (lm) 420

Power Factor

Date.9999

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IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

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No. of lamps 1

Voltage (V)

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Lamp flux (lm) 420

Current (A)

Operator6

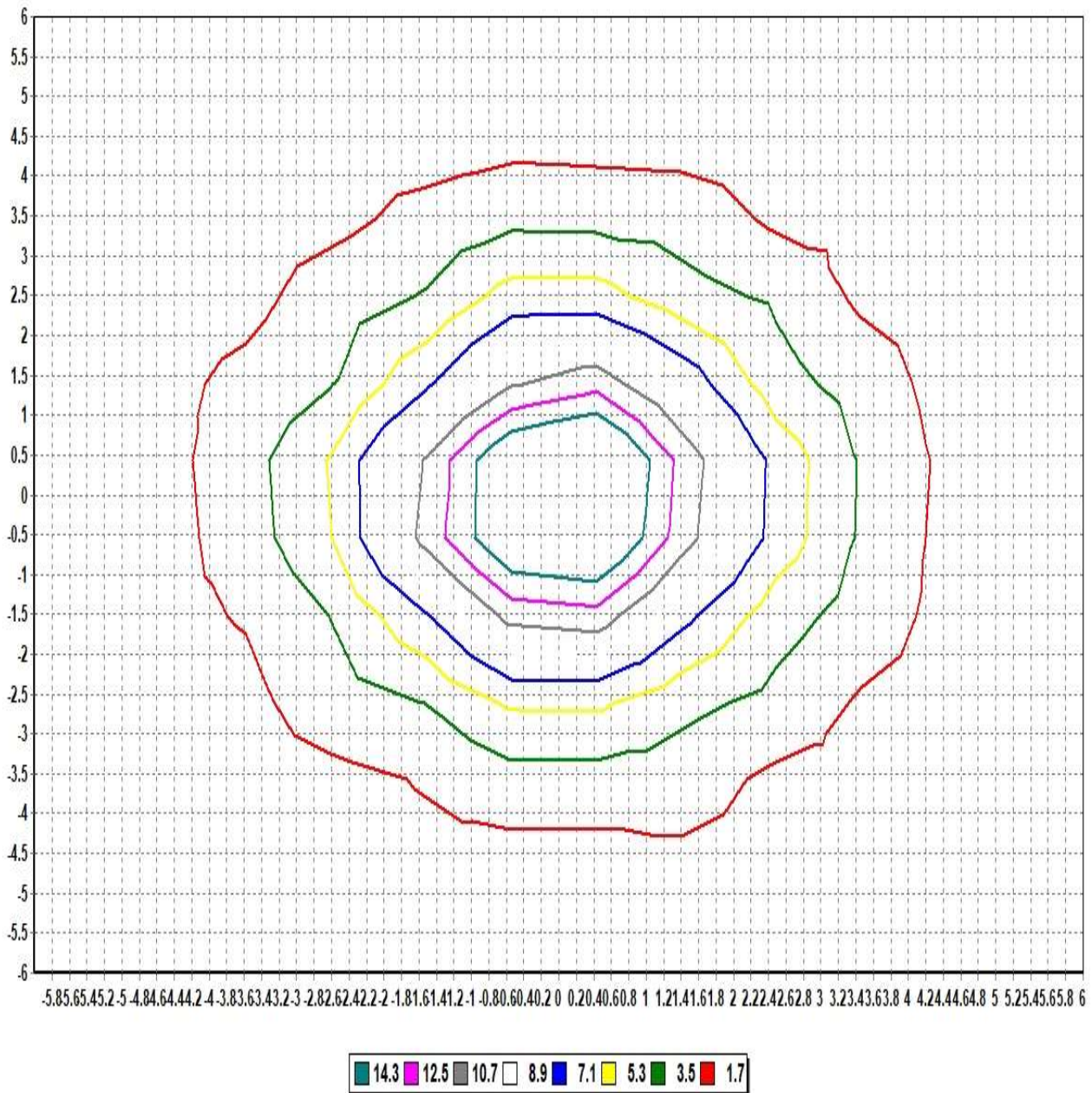
Total flux (lm) 420

Power Factor

Date.9999

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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

KH FEELUX

No. of lamps 1

Voltage (V)

Filename: 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

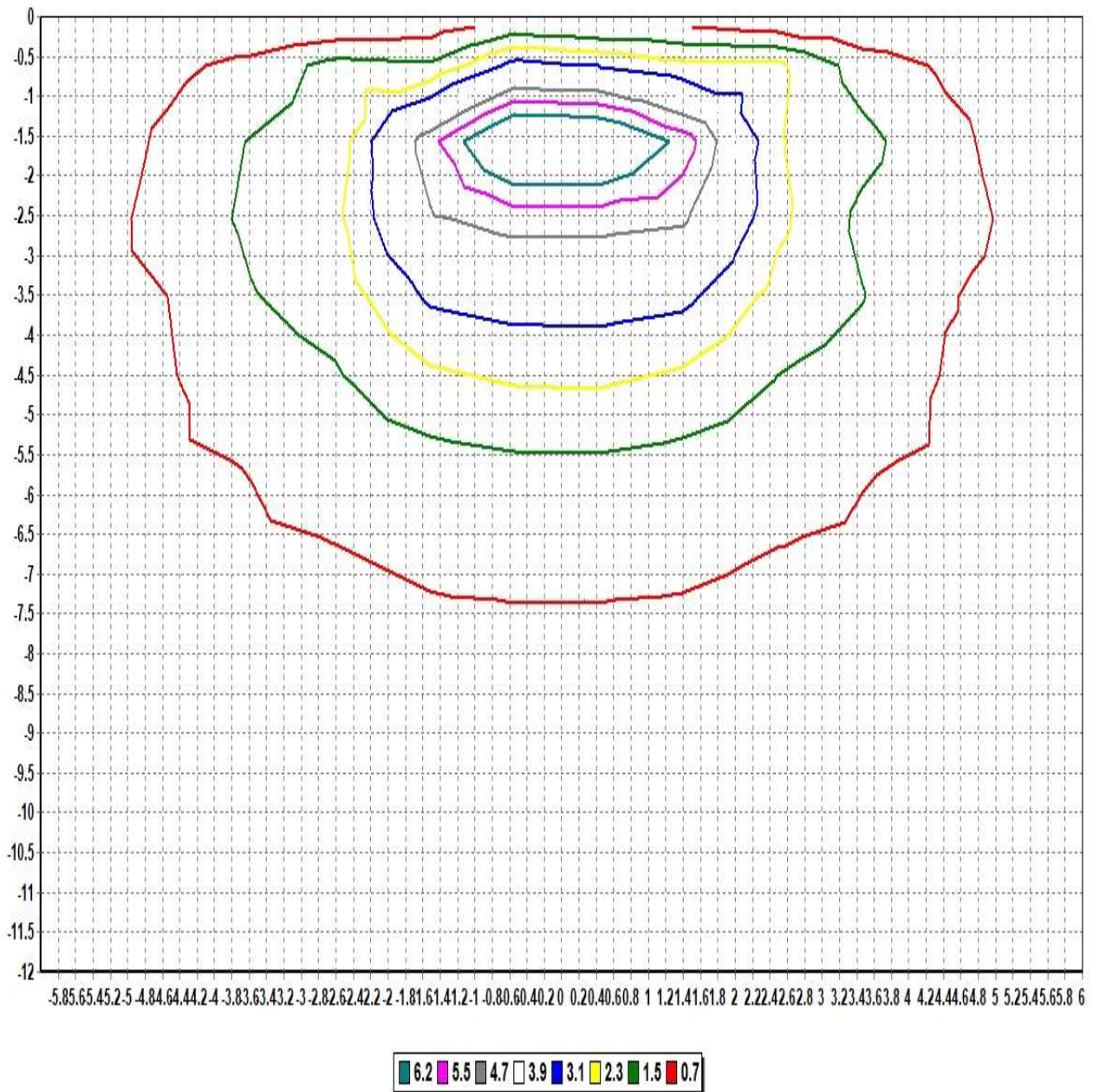
Total flux (lm) 420

Power Factor

Date.9999

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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) | 23.943 |
| Lamp flux (lm) | 420 | Current (A) | 0.36256 |
| Total flux (lm) | 420 | Power Factor | 0.9999 |

Report

KH FEELUX

Filename 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Operator

Date 2026-03-20 오후 2:41:49

Illuminance Levels (Ground)

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 6.00 | 0.20 | 0.26 | 0.21 | 0.28 | 0.35 | 0.45 | 0.42 | 0.42 | 0.40 | 0.32 | 0.25 | 0.30 | 0.22 |
| 5.00 | 0.26 | 0.23 | 0.33 | 0.46 | 0.88 | 1.13 | 1.13 | 1.11 | 1.00 | 0.54 | 0.38 | 0.26 | 0.30 |
| 4.00 | 0.22 | 0.34 | 0.76 | 1.13 | 1.12 | 1.57 | 1.61 | 1.56 | 1.27 | 1.25 | 0.85 | 0.37 | 0.24 |
| 3.00 | 0.28 | 0.47 | 1.09 | 1.33 | 2.77 | 3.00 | 3.48 | 3.37 | 3.01 | 1.49 | 1.25 | 0.52 | 0.31 |
| 2.00 | 0.35 | 0.87 | 1.11 | 2.66 | 3.90 | 6.12 | 7.54 | 6.96 | 4.39 | 3.09 | 1.27 | 1.00 | 0.39 |
| 1.00 | 0.44 | 1.10 | 1.52 | 2.96 | 6.08 | 11.22 | 15.56 | 12.40 | 6.99 | 3.38 | 1.73 | 1.25 | 0.51 |
| 0.00 | 0.48 | 1.21 | 1.75 | 3.67 | 7.80 | 15.79 | 19.78 | 16.31 | 8.36 | 3.84 | 1.78 | 1.25 | 0.47 |
| -1.00 | 0.42 | 1.07 | 1.51 | 3.26 | 6.57 | 11.73 | 15.86 | 12.06 | 7.07 | 3.60 | 1.71 | 1.22 | 0.48 |
| -2.00 | 0.40 | 0.97 | 1.28 | 2.90 | 4.18 | 6.56 | 7.97 | 7.02 | 4.40 | 3.20 | 1.45 | 1.08 | 0.47 |
| -3.00 | 0.33 | 0.53 | 1.21 | 1.49 | 2.89 | 3.26 | 3.73 | 3.46 | 2.99 | 1.59 | 1.36 | 0.62 | 0.38 |
| -4.00 | 0.25 | 0.38 | 0.84 | 1.21 | 1.28 | 1.62 | 1.79 | 1.62 | 1.43 | 1.25 | 0.89 | 0.45 | 0.30 |
| -5.00 | 0.30 | 0.27 | 0.39 | 0.54 | 0.97 | 1.15 | 1.23 | 1.15 | 1.05 | 0.55 | 0.41 | 0.30 | 0.34 |
| -6.00 | 0.23 | 0.30 | 0.26 | 0.33 | 0.41 | 0.47 | 0.50 | 0.47 | 0.45 | 0.38 | 0.26 | 0.32 | 0.25 |
| -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.) : 19.776

Illum. (Min.) : 0.1981

Illum. (Avg.) : 2.3250

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename: 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420

Current (A)

Operator6

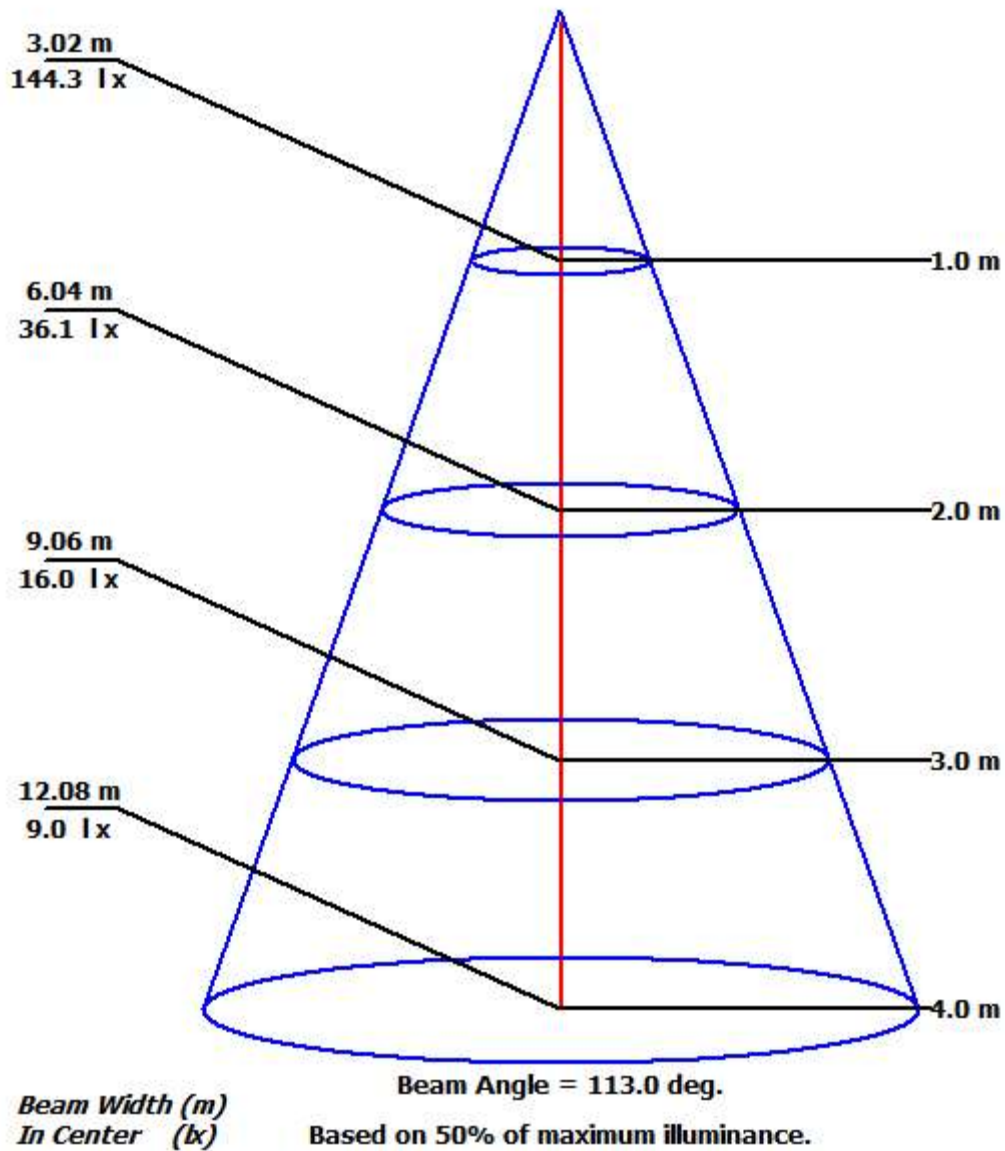
Total flux (lm) 420

Power Factor

Date.9999

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.943

Filename 260320 EGL7-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 420 Current (A) 0.36256

Operator

Total flux (lm) 420 Power Factor 0.9999

Date 2026-03-20 오후 2:41:49

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 |