

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 EGL4-30K_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 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 | | 0.4417 , 0.4085 | |
| Correlated Color Temperature | K | 2957 | |
| Ra | | 91.41 | |
| Power Factor | | 1.000 | |
| Input Voltage | V | 23.971 | |
| Input Current | A | 0.167 | |
| Input Watt | W | 3.9966 | |
| Lamp Flux | lm | 187.6 | |
| Efficient | lm/W | 46.94 | |
| luminous Intensity (Max , Center) | cd | 64 , 64 | |
| Illuminance | lx | 64 | 1 m |
| | | 16 | 2 m |
| | | 7 | 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 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

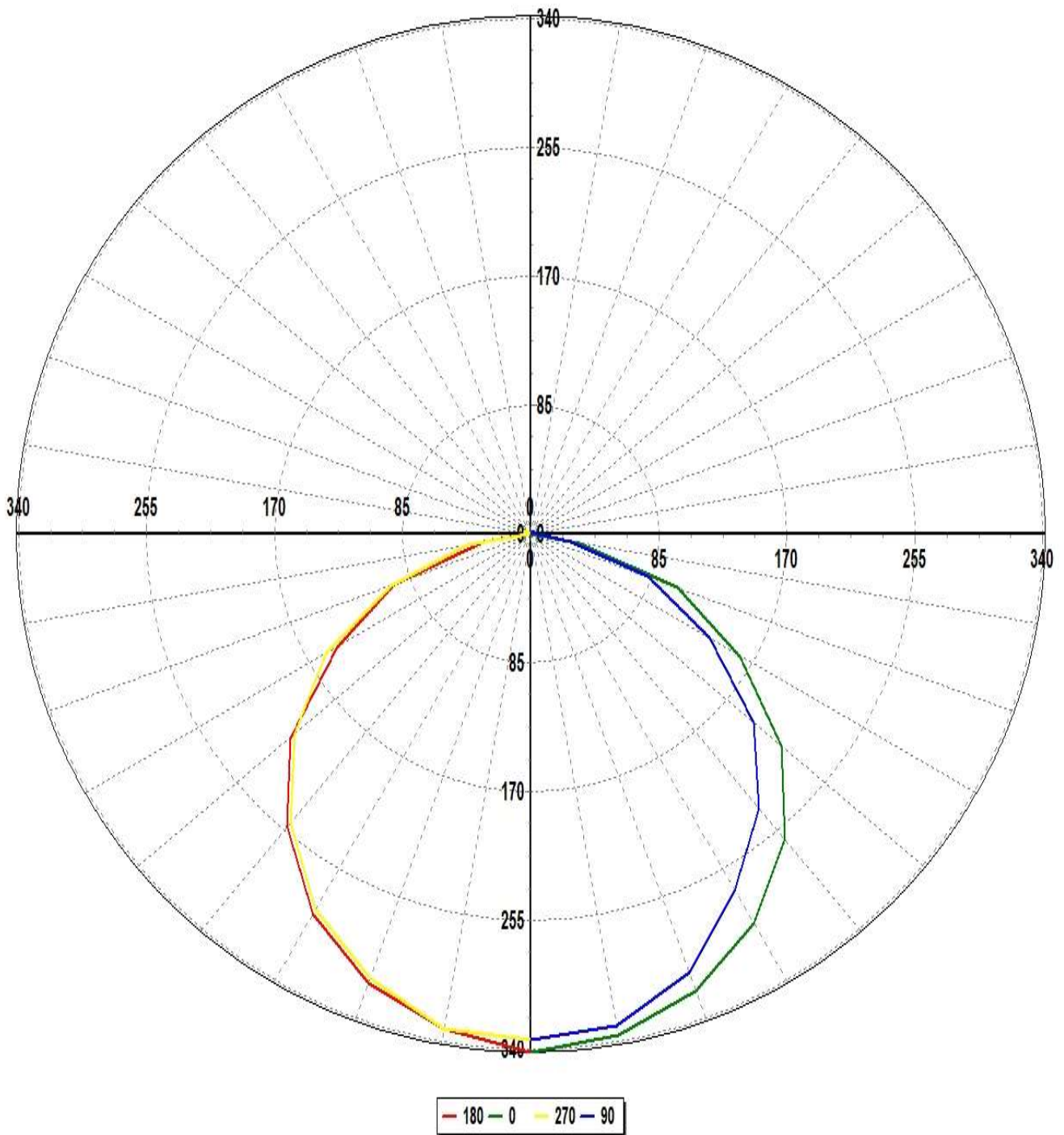
Total flux (lm) 188

Power Factor

Date 1995

2026-03-20 오후 2:25:20

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

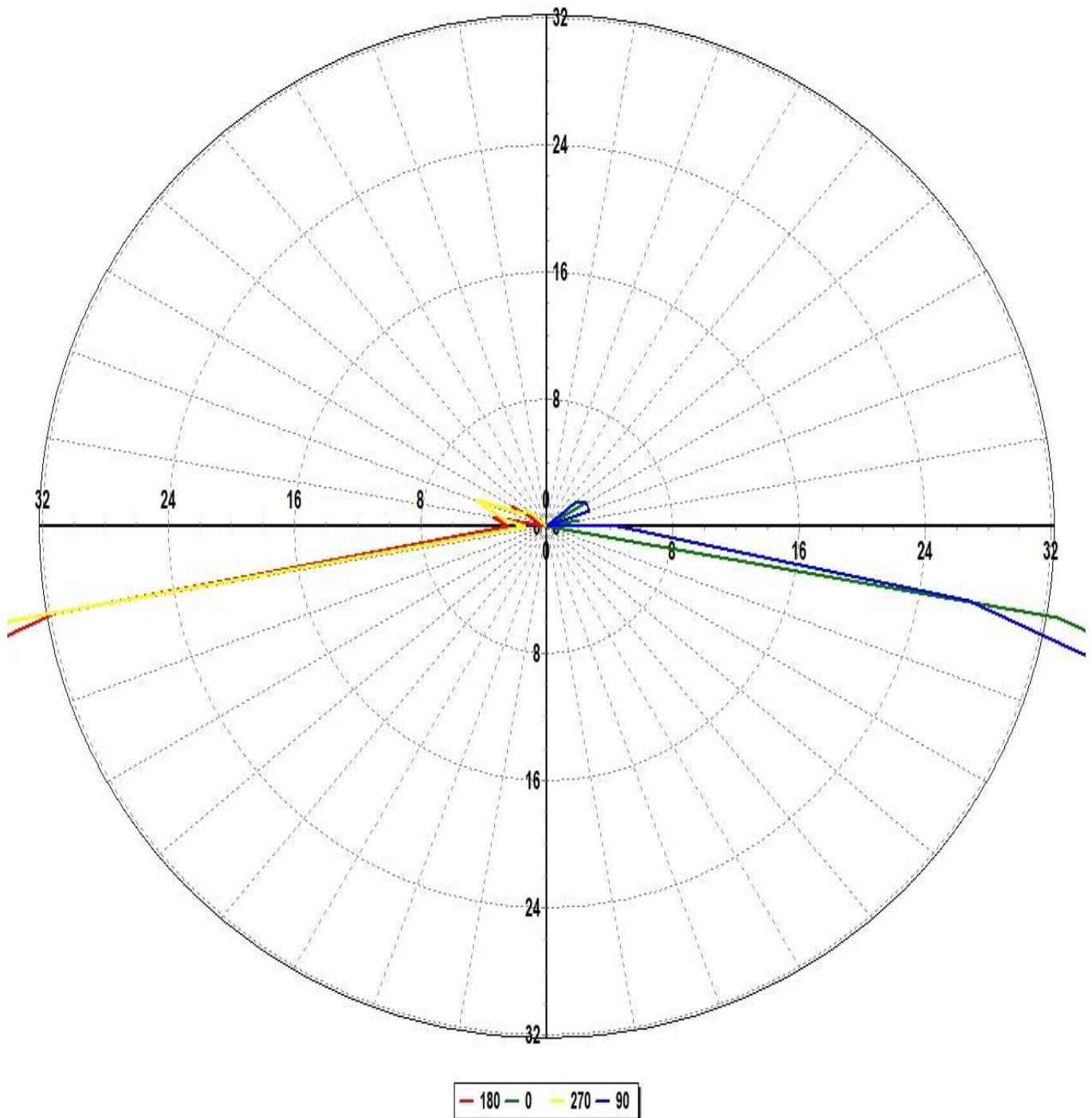
Total flux (lm) 188

Power Factor

Date 995

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

Total flux (lm) 188

Power Factor

Date 1995

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Luminous Intensity Data

Maximum (cd) : 64

Minimum (cd) : 0

| G/C | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 64.08 | 63.25 | 63.03 | 62.57 | 63.09 | 63.03 | 64.08 | 63.25 | 63.03 | 62.57 | 63.09 | 63.03 | 64.08 |
| 10 | 62.99 | 62.6 | 61.77 | 61.79 | 61.44 | 61.37 | 62.09 | 61.74 | 61.78 | 62.19 | 62.21 | 62.47 | 62.99 |
| 20 | 60.06 | 60.15 | 58.38 | 57.75 | 57.6 | 57.71 | 59.14 | 58.34 | 59.38 | 58.5 | 60.48 | 60.88 | 60.06 |
| 30 | 55.55 | 56.32 | 53.36 | 50.87 | 52.01 | 51.29 | 54.3 | 53.97 | 53.88 | 53.52 | 55.41 | 56.56 | 55.55 |
| 40 | 49.28 | 48.47 | 46.71 | 44.24 | 44.4 | 44.93 | 47.24 | 46.98 | 46.22 | 46.61 | 48.84 | 51.15 | 49.28 |
| 50 | 40.79 | 40.09 | 38.3 | 36.26 | 36.73 | 35.53 | 39.13 | 38.99 | 38.9 | 38.39 | 40.9 | 43.32 | 40.79 |
| 60 | 30.13 | 29.99 | 29.83 | 25.66 | 26.55 | 24.93 | 27.86 | 28.38 | 29.39 | 29.47 | 32.92 | 33.89 | 30.13 |
| 70 | 19.43 | 18.82 | 18.86 | 15.51 | 16 | 14.98 | 18.08 | 18.65 | 19.13 | 18.56 | 22.18 | 22.17 | 19.43 |
| 80 | 6.18 | 8.02 | 7.67 | 5.1 | 5.87 | 2.44 | 5.94 | 8.67 | 8.18 | 8 | 11.01 | 12.82 | 6.18 |
| 90 | -0.41 | 0.15 | 0.22 | 0.84 | 0.4 | -0.23 | 0.46 | 1.3 | 1.21 | 0.26 | 2.22 | 1.89 | -0.41 |
| 100 | 0.39 | 0.33 | 0.36 | -0.22 | 0.09 | 0.15 | 0.66 | 0.66 | 0.22 | 0.54 | 0.01 | 0.5 | 0.39 |
| 110 | -0.07 | 0.38 | 0.34 | 0.54 | 0.16 | 1.21 | -0.01 | 0.31 | 0.31 | 0.9 | 0.41 | 0.05 | -0.07 |
| 120 | 0.53 | 0.41 | 0.83 | 0.54 | 0.15 | 0.45 | 0.48 | 0.38 | 0.51 | 0.3 | 0.36 | -0.12 | 0.53 |
| 130 | -0.11 | 1.07 | 0.93 | 0.46 | 0.91 | 0.15 | -0.38 | 0.25 | 1.24 | 0.29 | 0.64 | 0.2 | -0.11 |

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

Total flux (lm) 188

Power Factor

Date1995

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Luminous Flux Table

Total Lamp Lumens: 187.58

Luminaire Efficiency (lm/W): 46.93

CIE Classification: Direct

| Elevation | Lumens | Cumulative | Lamp % | Luminaire % |
|-----------|--------|------------|--------|-------------|
| 0 | 1.51 | 1.51 | 0.81 | 0.81 |
| 10 | 11.80 | 13.31 | 7.09 | 7.10 |
| 20 | 22.11 | 35.42 | 18.88 | 18.88 |
| 30 | 29.53 | 64.95 | 34.62 | 34.62 |
| 40 | 33.15 | 98.10 | 52.29 | 52.30 |
| 50 | 32.67 | 130.77 | 69.71 | 69.72 |
| 60 | 27.59 | 158.36 | 84.41 | 84.42 |
| 70 | 19.07 | 177.43 | 94.58 | 94.59 |
| 80 | 8.08 | 185.51 | 98.89 | 98.90 |
| 90 | 0.76 | 186.27 | 99.29 | 99.30 |
| 100 | 0.33 | 186.60 | 99.47 | 99.48 |
| 110 | 0.39 | 186.99 | 99.67 | 99.69 |
| 120 | 0.38 | 187.37 | 99.88 | 99.89 |
| 130 | 0.20 | 187.58 | 99.99 | 100.00 |

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

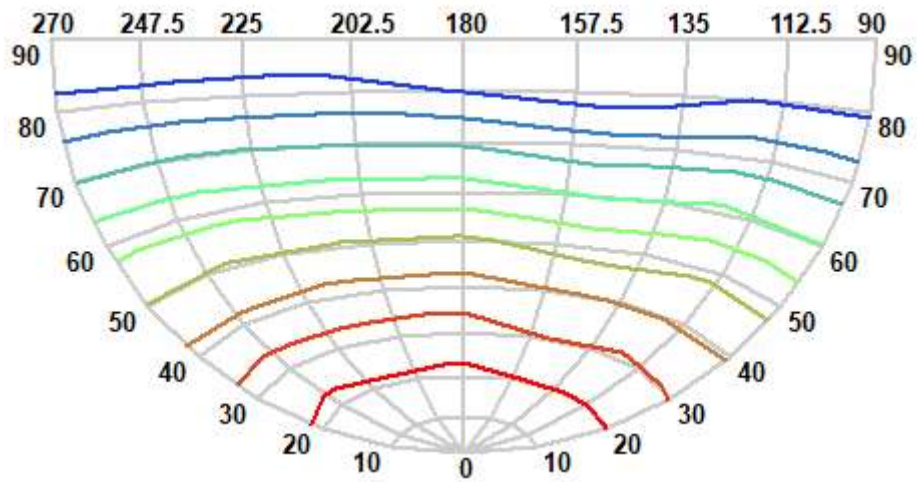
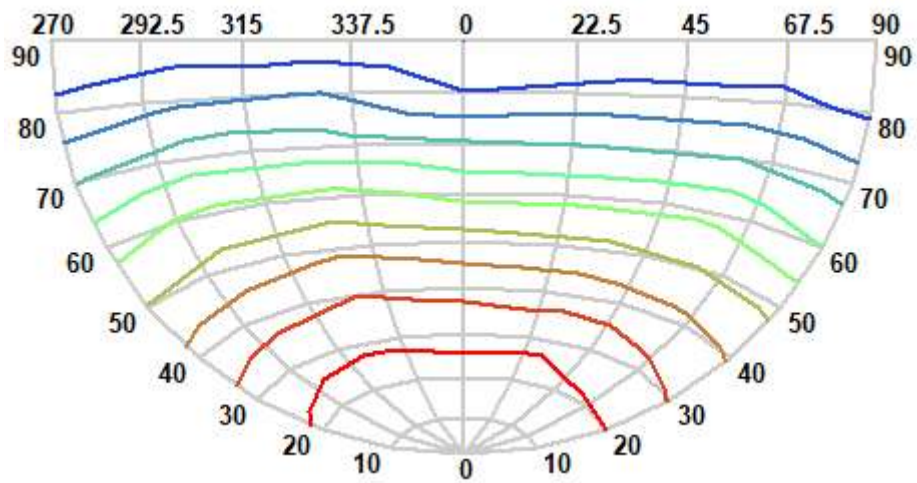
Total flux (lm) 188

Power Factor

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IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

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KH FEELUX

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Voltage (V)

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Lamp flux (lm) 188

Current (A)

Operator

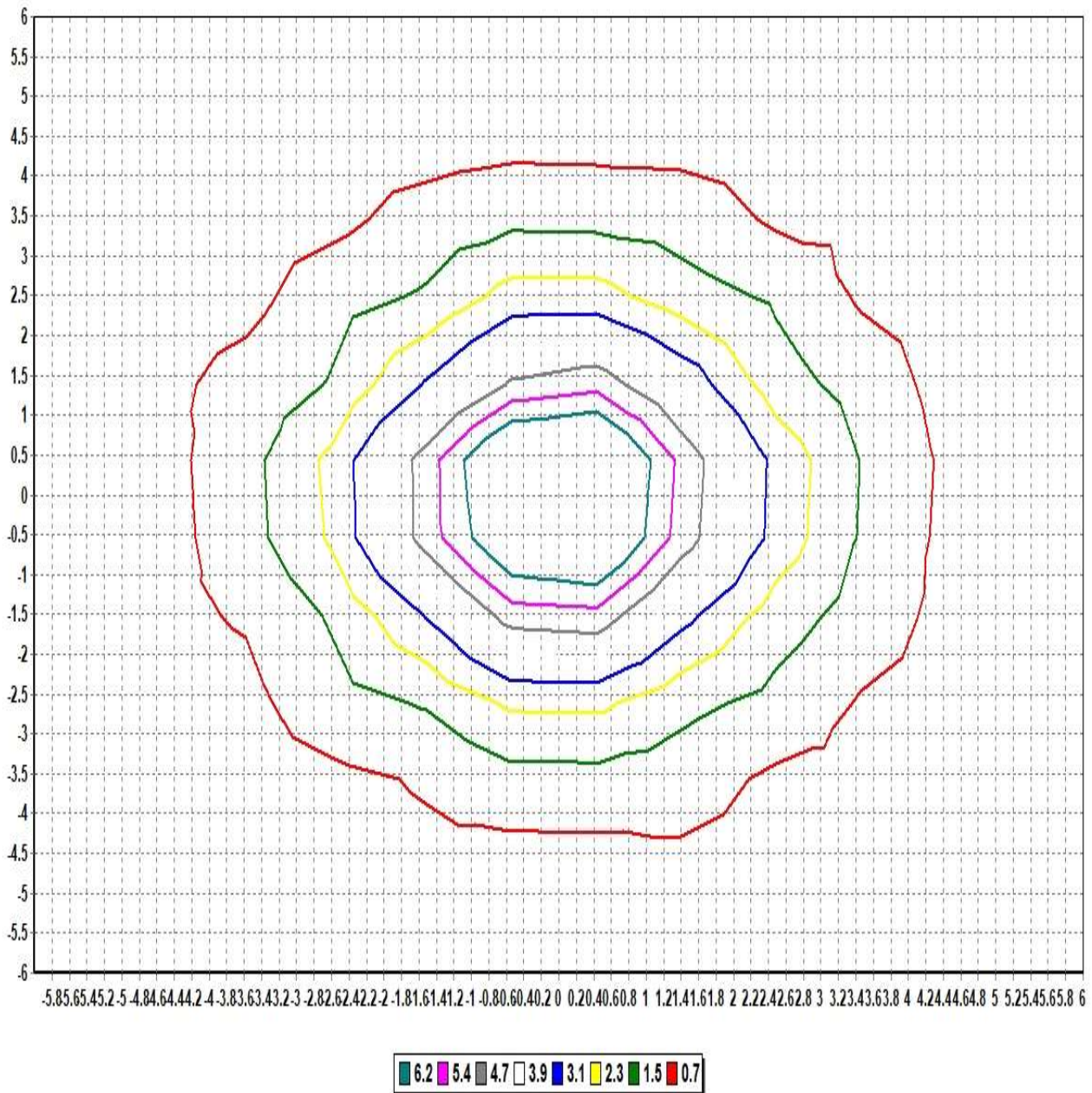
Total flux (lm) 188

Power Factor

Date 1995

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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 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

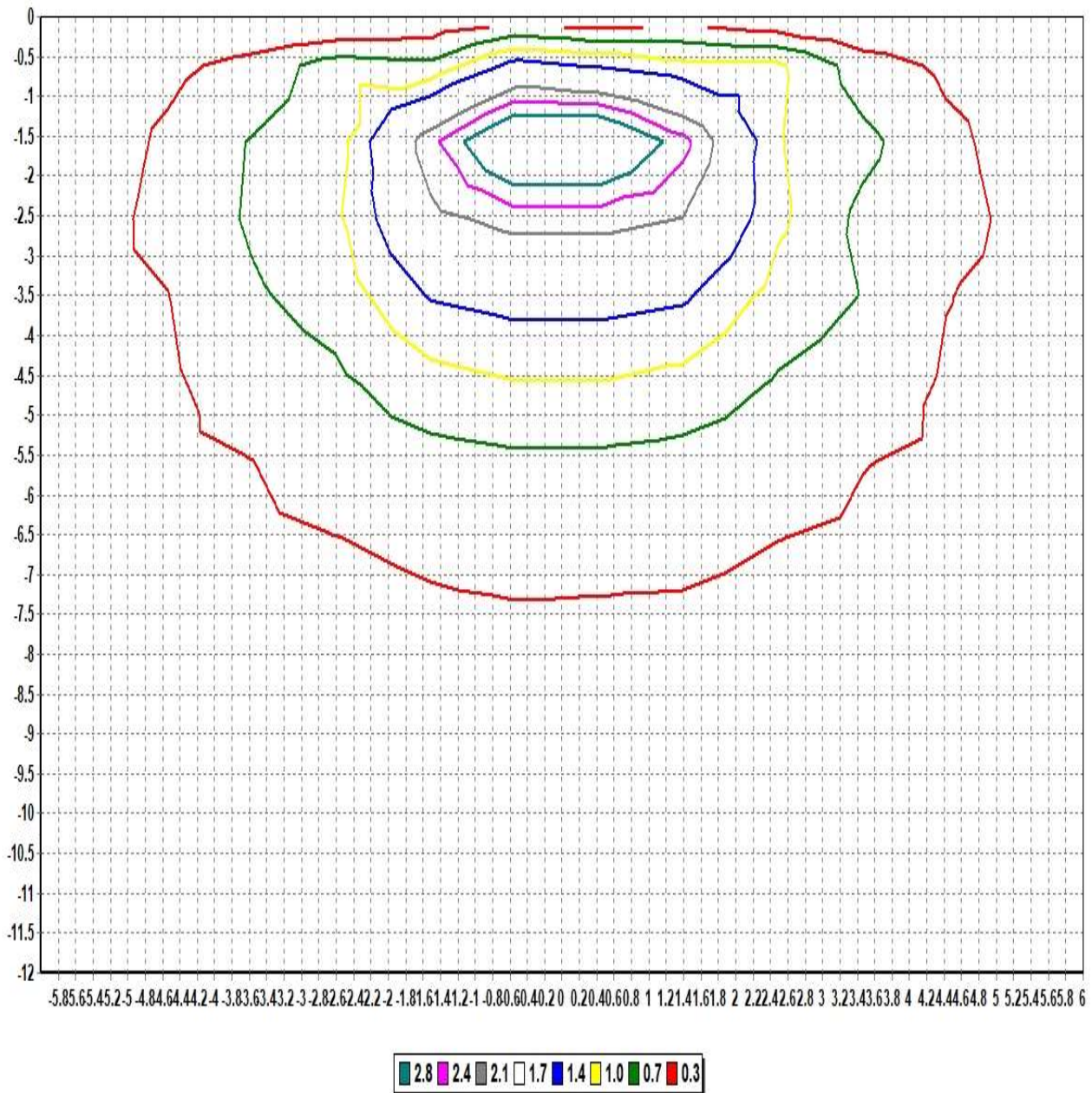
Total flux (lm) 188

Power Factor

Date 1995

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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) | 23.971 |
| Lamp flux (lm) | 188 | Current (A) | 0.1668 |
| Total flux (lm) | 188 | Power Factor | 0.9995 |

Report

KH FEELUX

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Operator

Date

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Illuminance Levels (Ground)

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 6.00 | 0.09 | 0.12 | 0.10 | 0.13 | 0.16 | 0.20 | 0.19 | 0.19 | 0.19 | 0.15 | 0.11 | 0.14 | 0.11 |
| 5.00 | 0.12 | 0.10 | 0.15 | 0.21 | 0.41 | 0.50 | 0.51 | 0.49 | 0.45 | 0.25 | 0.18 | 0.13 | 0.14 |
| 4.00 | 0.09 | 0.15 | 0.35 | 0.51 | 0.52 | 0.70 | 0.72 | 0.69 | 0.59 | 0.55 | 0.39 | 0.18 | 0.12 |
| 3.00 | 0.13 | 0.20 | 0.50 | 0.61 | 1.23 | 1.39 | 1.55 | 1.50 | 1.31 | 0.69 | 0.57 | 0.25 | 0.15 |
| 2.00 | 0.16 | 0.41 | 0.52 | 1.24 | 1.78 | 2.80 | 3.31 | 3.04 | 1.97 | 1.37 | 0.59 | 0.45 | 0.19 |
| 1.00 | 0.19 | 0.50 | 0.68 | 1.38 | 2.80 | 5.04 | 6.98 | 5.43 | 3.06 | 1.53 | 0.80 | 0.57 | 0.24 |
| 0.00 | 0.21 | 0.55 | 0.78 | 1.67 | 3.54 | 7.01 | 8.79 | 7.11 | 3.66 | 1.74 | 0.83 | 0.57 | 0.23 |
| -1.00 | 0.18 | 0.49 | 0.67 | 1.48 | 2.96 | 5.27 | 7.02 | 5.31 | 3.09 | 1.59 | 0.79 | 0.56 | 0.23 |
| -2.00 | 0.18 | 0.44 | 0.56 | 1.32 | 1.90 | 2.96 | 3.49 | 3.06 | 1.92 | 1.43 | 0.64 | 0.48 | 0.21 |
| -3.00 | 0.15 | 0.23 | 0.55 | 0.65 | 1.30 | 1.48 | 1.64 | 1.51 | 1.31 | 0.71 | 0.61 | 0.28 | 0.17 |
| -4.00 | 0.11 | 0.17 | 0.37 | 0.55 | 0.56 | 0.73 | 0.79 | 0.73 | 0.63 | 0.55 | 0.39 | 0.20 | 0.13 |
| -5.00 | 0.13 | 0.12 | 0.18 | 0.25 | 0.44 | 0.52 | 0.54 | 0.52 | 0.46 | 0.24 | 0.18 | 0.13 | 0.16 |
| -6.00 | 0.10 | 0.13 | 0.12 | 0.15 | 0.18 | 0.21 | 0.22 | 0.21 | 0.20 | 0.17 | 0.12 | 0.14 | 0.11 |
| -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.) : 8.7896

Illum. (Min.) : 0.0905

Illum. (Avg.) : 1.0385

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1

Voltage (V)

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188

Current (A)

Operator

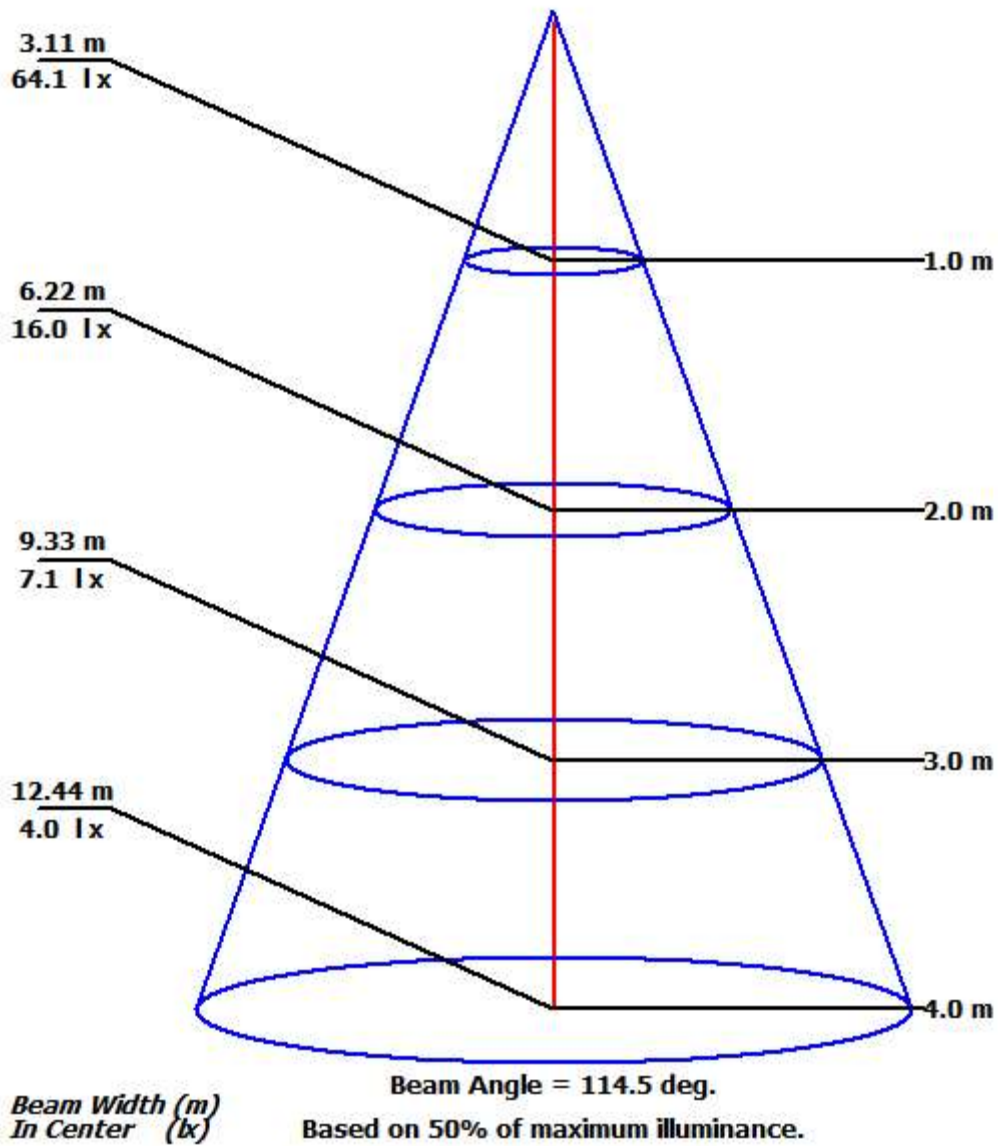
Total flux (lm) 188

Power Factor

Date 1995

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.971

Filename 260320 EGL4-30K_CRI90_DIFUSSER(고효율).jdt

Lamp flux (lm) 188 Current (A) 0.1668

Operator

Total flux (lm) 188 Power Factor 0.9995

Date 2026-03-20 오후 2:25:20

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 |