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## Indoor Distribution Test Report

Relevant Standards  
IES LM-79-2008  
ANSI C82.77-2002

**Prepared For**  
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**Catalog Number**  
**2370**  
Order Number  
10977900  
Test Number  
1165580

Test Date

2015-10-06

Prepared By

Derek Smarr, Technician

Approved By

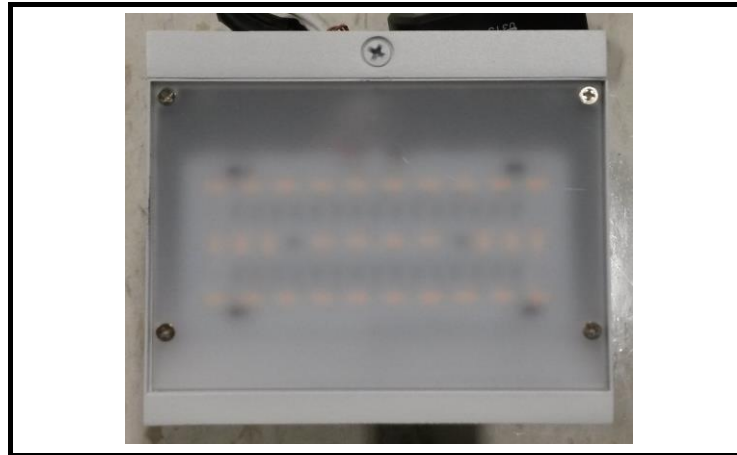
Kyle Spaziani, Project Handler

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** Formed aluminum housing, frosted plastic lens  
**Lamp:** 30 white LEDs  
**Mounting:** Wall Mount  
**Ballast/Driver:** One Eaglerise EEP60SE

### Luminaire



### Luminaire Characteristics

Luminous Length: 3.00 in.  
Luminous Width: 4.500 in.

### Summary of Results

|                         |              |
|-------------------------|--------------|
| Total Luminaire Output: | 817.8 Lumens |
| Luminaire Efficacy:     | 48.6 lm/w    |
| Maximum Candela:        | 309 Candela  |

### Electrical Data

|                   |           |
|-------------------|-----------|
| Test Temperature: | 24.9 °C   |
| Voltage:          | 120.0 VAC |
| Current:          | 0.1463 A  |
| Power:            | 16.82 W   |
| Power Factor:     | 0.958     |
| Frequency:        | 60 Hz     |
| Current THD:      | 29.4 %    |

Laboratory results may not be representative of field performance  
Ballast factors have not been applied



## Distribution - Goniophotometer

### Distribution Test Conditions

| Temperature | Voltage   | Current  | Power   | Power Factor | Frequency | Current THD |
|-------------|-----------|----------|---------|--------------|-----------|-------------|
| 24.9 °C     | 120.0 VAC | 0.1463 A | 16.82 W | 0.958        | 60 Hz     | 29.4 %      |

### Summary of Results

#### Spacing Criteria

0-180: #N/A

90-270: #N/A

**Total Lumen Output:**

817.8 Lumens

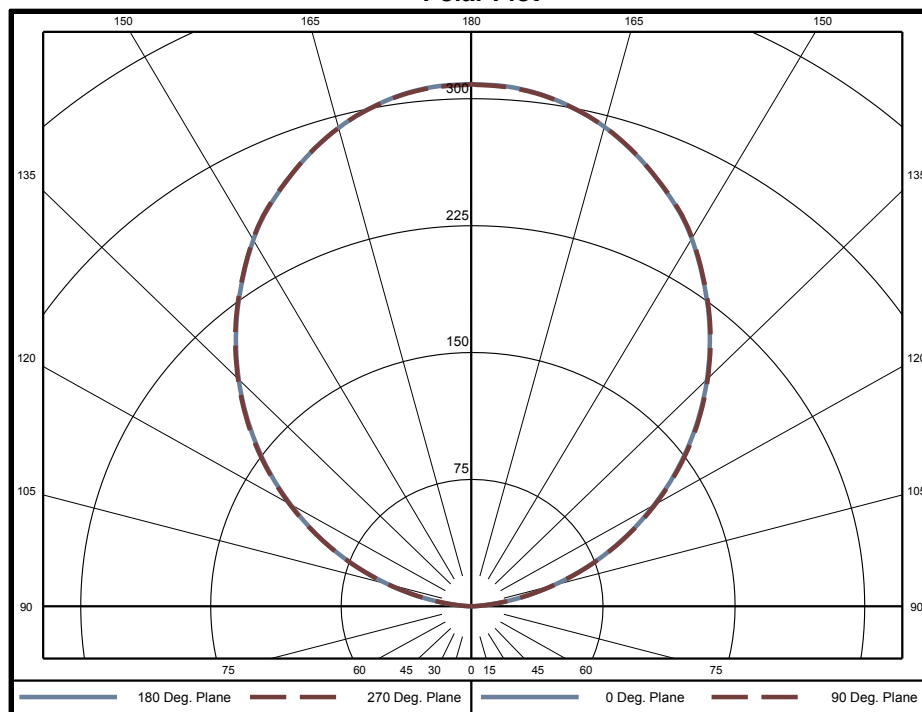
**Luminaire Efficacy:**

48.6 lm/w

**Maximum Candela:**

309 Candela

### Polar Plot



### Zonal Lumen Summary

| Zone  | Lumens | % of Luminaire | Zone    | Lumens | % of Luminaire | Zone    | Lumens | % of Luminaire |
|-------|--------|----------------|---------|--------|----------------|---------|--------|----------------|
| 0-5   | 0      | 0.0%           | 60-65   | 0      | 0.0%           | 120-125 | 61.66  | 7.5%           |
| 5-10  | 0      | 0.0%           | 65-70   | 0      | 0.0%           | 125-130 | 68.26  | 8.3%           |
| 10-15 | 0      | 0.0%           | 70-75   | 0      | 0.0%           | 130-135 | 72.61  | 8.9%           |
| 15-20 | 0      | 0.0%           | 75-80   | 0      | 0.0%           | 135-140 | 74.61  | 9.1%           |
| 20-25 | 0      | 0.0%           | 80-85   | 0      | 0.0%           | 140-145 | 74.15  | 9.1%           |
| 25-30 | 0      | 0.0%           | 85-90   | 0      | 0.0%           | 145-150 | 71.26  | 8.7%           |
| 30-35 | 0      | 0.0%           | 90-95   | 1.64   | 0.2%           | 150-155 | 65.85  | 8.1%           |
| 35-40 | 0      | 0.0%           | 95-100  | 9.38   | 1.1%           | 155-160 | 57.63  | 7.0%           |
| 40-45 | 0      | 0.0%           | 100-105 | 20.35  | 2.5%           | 160-165 | 47.43  | 5.8%           |
| 45-50 | 0      | 0.0%           | 105-110 | 32.02  | 3.9%           | 165-170 | 35.36  | 4.3%           |
| 50-55 | 0      | 0.0%           | 110-115 | 43.22  | 5.3%           | 170-175 | 21.82  | 2.7%           |
| 55-60 | 0      | 0.0%           | 115-120 | 53.21  | 6.5%           | 175-180 | 7.37   | 0.9%           |

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-40   | 0      | 0.0%           |
| 0-60   | 0      | 0.0%           |
| 0-90   | 0      | 0.0%           |
| 90-180 | 818    | 100.0%         |



**Candela Tabulation**  
Horizontal Angle (Degrees)

|     | 0     | 22.5  | 45    | 67.5  | 90    | 112.5 | 135   | 157.5 | 180   | 202.5 | 225   | 247.5 | 270   | 292.5 | 315   | 337.5 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 20  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 25  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 30  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 35  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 50  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95  | 8.0   | 8.2   | 8.6   | 8.6   | 8.7   | 8.6   | 8.6   | 8.2   | 8.0   | 8.2   | 8.6   | 8.6   | 8.7   | 8.6   | 8.6   | 8.2   |
| 100 | 27.1  | 27.3  | 27.2  | 27.0  | 27.1  | 27.0  | 27.2  | 27.3  | 27.1  | 27.3  | 27.2  | 27.0  | 27.1  | 27.0  | 27.2  | 27.3  |
| 105 | 49.3  | 49.5  | 49.4  | 49.3  | 49.4  | 49.3  | 49.4  | 49.5  | 49.3  | 49.5  | 49.4  | 49.3  | 49.4  | 49.3  | 49.4  | 49.5  |
| 110 | 73.1  | 73.4  | 73.4  | 73.3  | 73.5  | 73.3  | 73.4  | 73.4  | 73.1  | 73.4  | 73.4  | 73.3  | 73.5  | 73.3  | 73.4  | 73.4  |
| 115 | 97.3  | 97.4  | 97.5  | 97.6  | 97.7  | 97.6  | 97.5  | 97.4  | 97.3  | 97.4  | 97.5  | 97.6  | 97.7  | 97.6  | 97.5  | 97.4  |
| 120 | 121.1 | 121.5 | 121.5 | 121.6 | 121.9 | 121.6 | 121.5 | 121.5 | 121.1 | 121.5 | 121.5 | 121.6 | 121.9 | 121.6 | 121.5 | 121.5 |
| 125 | 144.9 | 145.4 | 145.4 | 145.5 | 145.8 | 145.5 | 145.4 | 145.4 | 144.9 | 145.4 | 145.4 | 145.5 | 145.8 | 145.5 | 145.4 | 145.4 |
| 130 | 168.1 | 168.5 | 168.7 | 168.8 | 168.9 | 168.8 | 168.7 | 168.5 | 168.1 | 168.5 | 168.7 | 168.8 | 168.9 | 168.8 | 168.7 | 168.5 |
| 135 | 190.4 | 190.7 | 191.0 | 191.0 | 191.0 | 191.0 | 191.0 | 190.7 | 190.4 | 190.7 | 191.0 | 191.0 | 191.0 | 191.0 | 191.0 | 190.7 |
| 140 | 211.7 | 212.2 | 212.5 | 212.4 | 212.4 | 212.4 | 212.5 | 212.2 | 211.7 | 212.2 | 212.5 | 212.4 | 212.4 | 212.4 | 212.5 | 212.2 |
| 145 | 231.9 | 232.3 | 232.6 | 232.4 | 232.3 | 232.4 | 232.6 | 232.3 | 231.9 | 232.3 | 232.6 | 232.4 | 232.3 | 232.4 | 232.6 | 232.3 |
| 150 | 251.4 | 251.8 | 252.2 | 251.9 | 251.8 | 251.9 | 252.2 | 251.8 | 251.4 | 251.8 | 252.2 | 251.9 | 251.8 | 251.9 | 252.2 | 251.8 |
| 155 | 267.5 | 268.1 | 268.3 | 268.0 | 267.9 | 268.0 | 268.3 | 268.1 | 267.5 | 268.1 | 268.3 | 268.0 | 267.9 | 268.0 | 268.3 | 268.1 |
| 160 | 281.6 | 281.9 | 282.2 | 281.8 | 281.7 | 281.8 | 282.2 | 281.9 | 281.6 | 281.9 | 282.2 | 281.8 | 281.7 | 281.8 | 282.2 | 281.9 |
| 165 | 293.4 | 293.8 | 294.0 | 293.7 | 293.5 | 293.7 | 294.0 | 293.8 | 293.4 | 293.8 | 294.0 | 293.7 | 293.5 | 293.7 | 294.0 | 293.8 |
| 170 | 302.0 | 302.4 | 302.7 | 302.1 | 301.9 | 302.1 | 302.7 | 302.4 | 302.0 | 302.4 | 302.7 | 302.1 | 301.9 | 302.1 | 302.7 | 302.4 |
| 175 | 307.3 | 307.6 | 307.9 | 307.2 | 307.0 | 307.2 | 307.9 | 307.6 | 307.3 | 307.6 | 307.9 | 307.2 | 307.0 | 307.2 | 307.9 | 307.6 |
| 180 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 | 308.7 |