

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P1001995

Luminaire Tested: **CYL-2D-30W-347V-PC\_15W\_Combined\_4000K**

Issue Date: 6/25/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1001995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( G1-2504-411-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/25/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: CYL-2D-30W-347V-PC\_15W\_Combined\_4000K  
Description: Lumark AP Wall Cylinder at 15W Combined output with 4000K CCT settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1746.9 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.38' x H: 0.1')  
IES Classification: Type V - Short  
BUG Rating: B1 - U4 - G0

Input Watts (W): 14.9  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.984  
Total Harmonic Distortion (THDi): 8.6  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



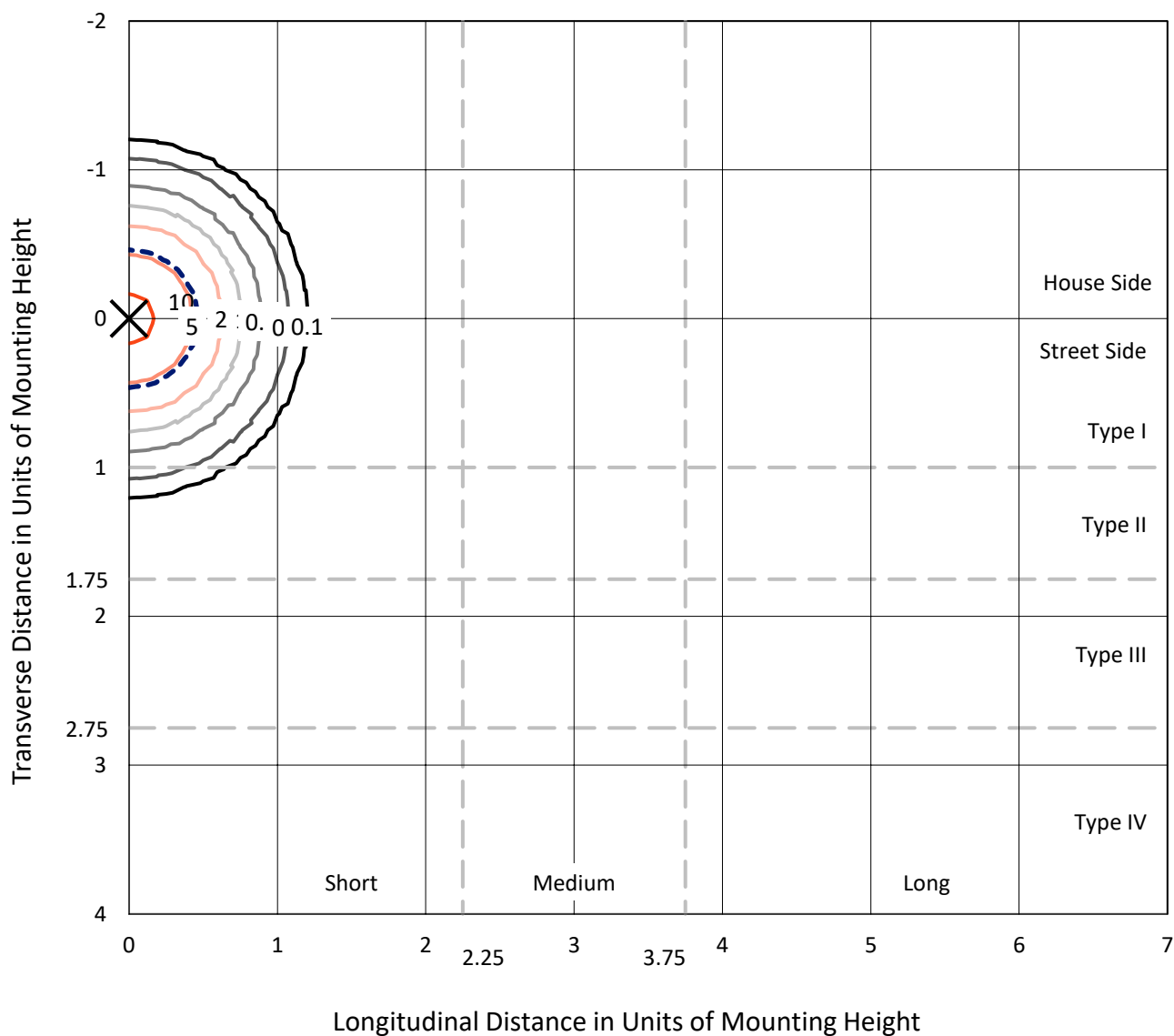
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

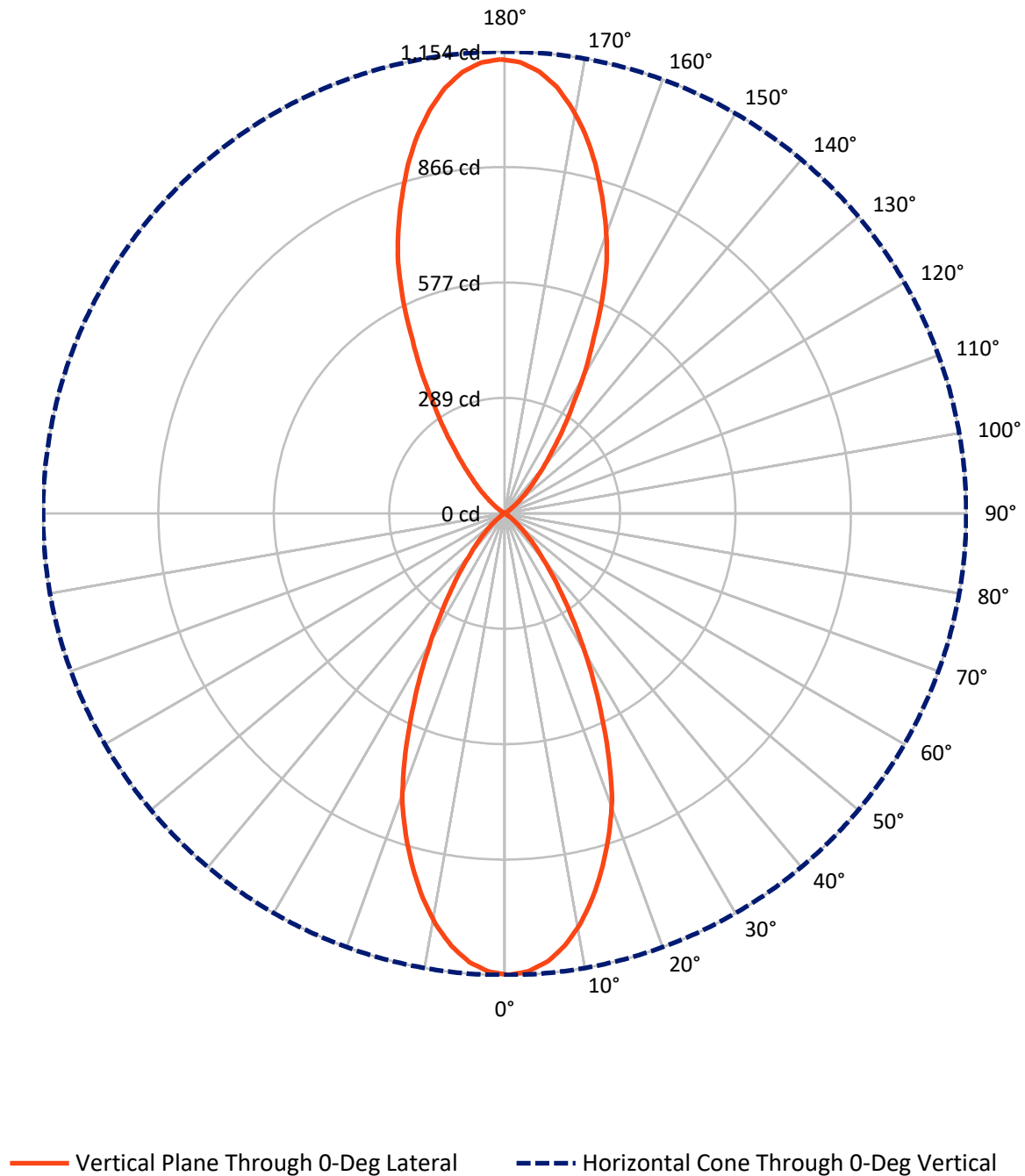


Based on 10 foot mounting height. Maximum calculated value = 11.5 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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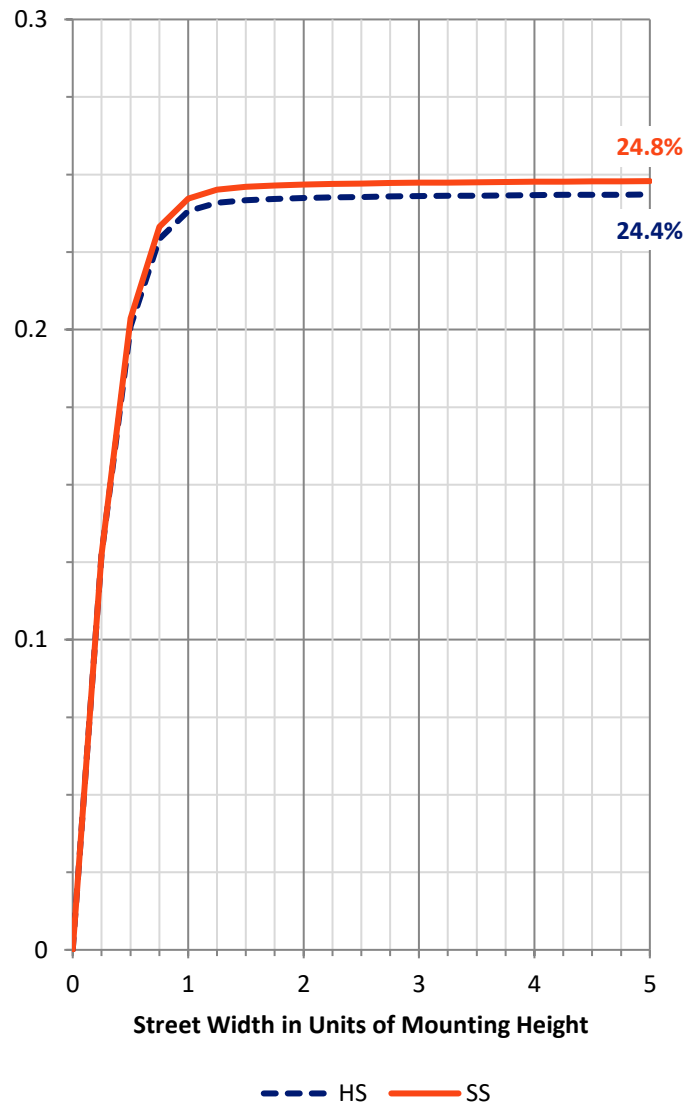
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 430.5    | 442.9  | 873.5  |
|                    | % Fixture | 24.6     | 25.4   | 50.0   |
| <b>Street Side</b> | Lumens    | 430.5    | 442.9  | 873.5  |
|                    | % Fixture | 24.6     | 25.4   | 50.0   |
| <b>Total</b>       | Lumens    | 861.0    | 885.9  | 1746.9 |
|                    | % Fixture | 49.3     | 50.7   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.7  | 6.0       |
| 10°-20°   | 254.4  | 14.6      |
| 20°-30°   | 258.8  | 14.8      |
| 30°-40°   | 154.4  | 8.8       |
| 40°-50°   | 63.8   | 3.7       |
| 50°-60°   | 14.5   | 0.8       |
| 60°-70°   | 4.7    | 0.3       |
| 70°-80°   | 3.8    | 0.2       |
| 80°-90°   | 1.9    | 0.1       |
| 90°-100°  | 1.0    | 0.1       |
| 100°-110° | 2.9    | 0.2       |
| 110°-120° | 5.1    | 0.3       |
| 120°-130° | 18.9   | 1.1       |
| 130°-140° | 72.2   | 4.1       |
| 140°-150° | 165.6  | 9.5       |
| 150°-160° | 266.3  | 15.2      |
| 160°-170° | 250.9  | 14.4      |
| 170°-180° | 103.1  | 5.9       |
| 0°-90°    | 861.0  | 49.3      |
| 0°-180°   | 1746.9 | 100.0     |



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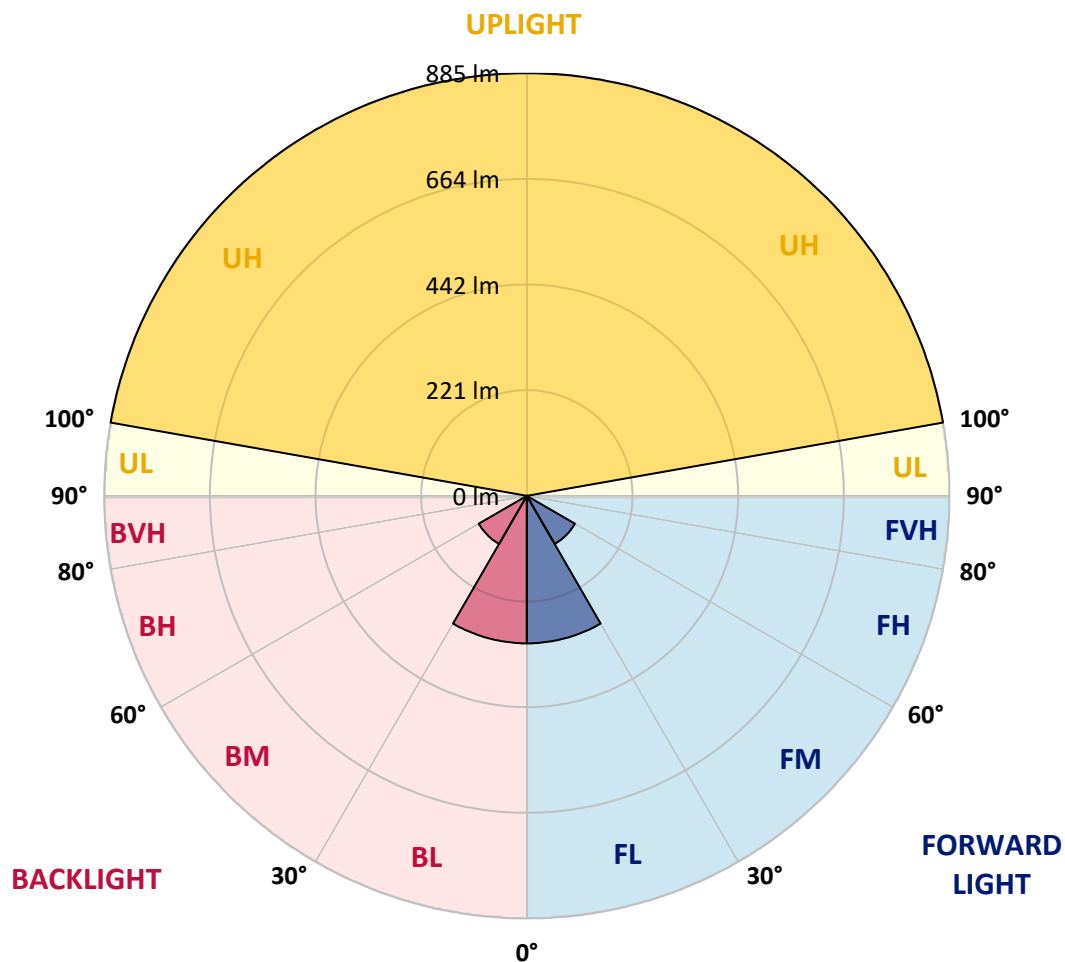
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |        |
|------|-------------|--------|-----------|-------------------------|---------|--------|
|      |             |        |           | B                       | U       | G      |
| FL   | (0°-30°)    | 309.0  | 17.7      |                         |         |        |
| FM   | (30°-60°)   | 116.4  | 6.7       |                         |         |        |
| FH   | (60°-80°)   | 4.3    | 0.2       |                         |         | G0/660 |
| FVH  | (80°-90°)   | 0.9    | 0.1       |                         |         | G0/10  |
| BL   | (0°-30°)    | 309.0  | 17.7      | B1/500                  |         |        |
| BM   | (30°-60°)   | 116.4  | 6.7       | B0/220                  |         |        |
| BH   | (60°-80°)   | 4.3    | 0.2       | B0/110                  |         | G0/660 |
| BVH  | (80°-90°)   | 0.9    | 0.1       |                         |         | G0/10  |
| UL   | (90°-100°)  | 1.0    | 0.1       |                         | U1/10   |        |
| UH   | (100°-180°) | 884.9  | 50.7      |                         | U4/1000 |        |

**BUG Rating: B1-U4-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1154.1 |
| 2.5°   | 1145.9 |
| 5°     | 1125.4 |
| 7.5°   | 1089.8 |
| 10°    | 1041.9 |
| 12.5°  | 983.0  |
| 15°    | 915.9  |
| 17.5°  | 843.3  |
| 20°    | 766.7  |
| 22.5°  | 668.1  |
| 25°    | 565.4  |
| 27.5°  | 472.3  |
| 30°    | 384.7  |
| 32.5°  | 308.0  |
| 35°    | 242.3  |
| 37.5°  | 188.9  |
| 40°    | 141.0  |
| 42.5°  | 109.5  |
| 45°    | 79.4   |
| 47.5°  | 57.5   |
| 50°    | 37.0   |
| 52.5°  | 23.3   |
| 55°    | 12.3   |
| 57.5°  | 8.2    |
| 60°    | 6.8    |
| 62.5°  | 5.5    |
| 65°    | 4.1    |
| 67.5°  | 4.1    |
| 70°    | 4.1    |
| 72.5°  | 4.1    |
| 75°    | 4.1    |
| 77.5°  | 2.7    |
| 80°    | 2.7    |
| 82.5°  | 2.7    |
| 85°    | 1.4    |
| 87.5°  | 1.4    |
| 90°    | 0.0    |
| 92.5°  | 0.0    |
| 95°    | 1.4    |
| 97.5°  | 1.4    |
| 100°   | 1.4    |
| 102.5° | 2.7    |
| 105°   | 2.7    |
| 107.5° | 2.7    |
| 110°   | 4.1    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     |
|--------|--------|
| 112.5° | 4.1    |
| 115°   | 5.5    |
| 117.5° | 5.5    |
| 120°   | 6.8    |
| 122.5° | 11.0   |
| 125°   | 17.8   |
| 127.5° | 30.1   |
| 130°   | 46.5   |
| 132.5° | 65.7   |
| 135°   | 91.7   |
| 137.5° | 119.1  |
| 140°   | 158.8  |
| 142.5° | 204.0  |
| 145°   | 261.5  |
| 147.5° | 324.5  |
| 150°   | 408.0  |
| 152.5° | 490.1  |
| 155°   | 588.7  |
| 157.5° | 681.8  |
| 160°   | 758.5  |
| 162.5° | 831.0  |
| 165°   | 903.6  |
| 167.5° | 969.3  |
| 170°   | 1025.4 |
| 172.5° | 1073.4 |
| 175°   | 1107.6 |
| 177.5° | 1128.1 |
| 180°   | 1135.0 |

(END OF REPORT)