

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: P295381

Luminaire Tested: **TCRL15W(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL15W(7040-7050)
Description: TRACER LARGE, STANDARD TRIM NEMA 5x5
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1657 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

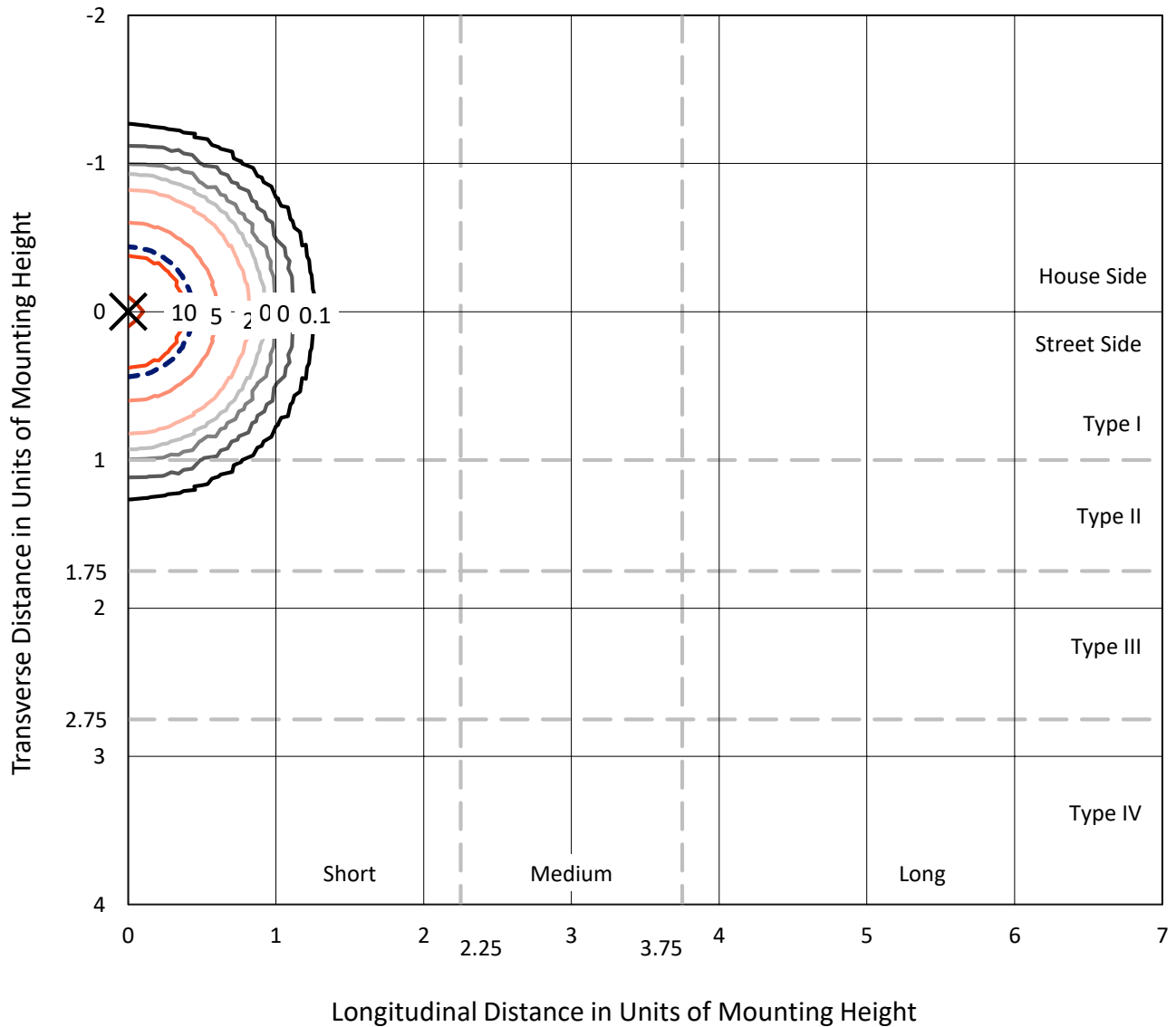
Input Watts (W): 12
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

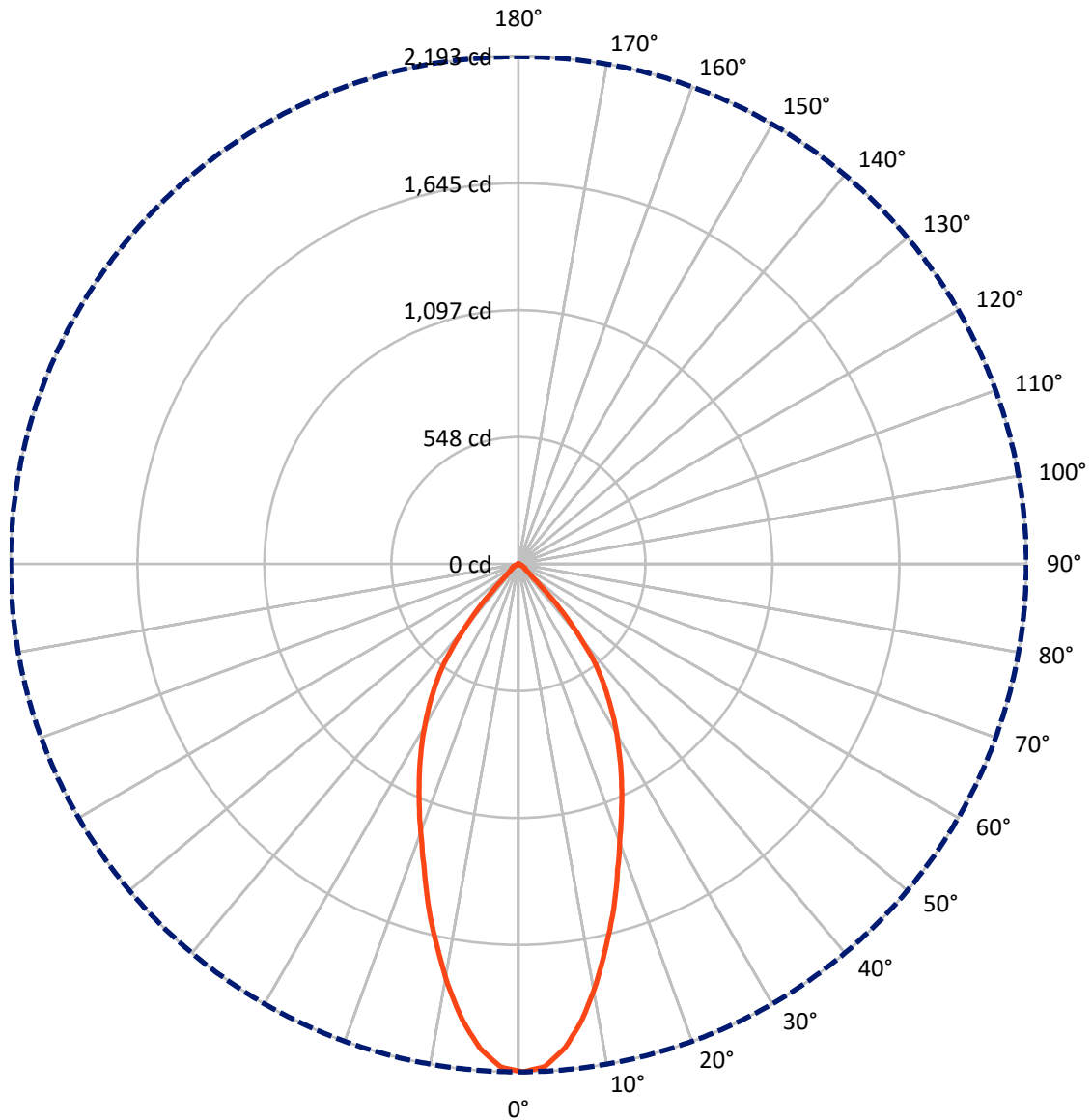
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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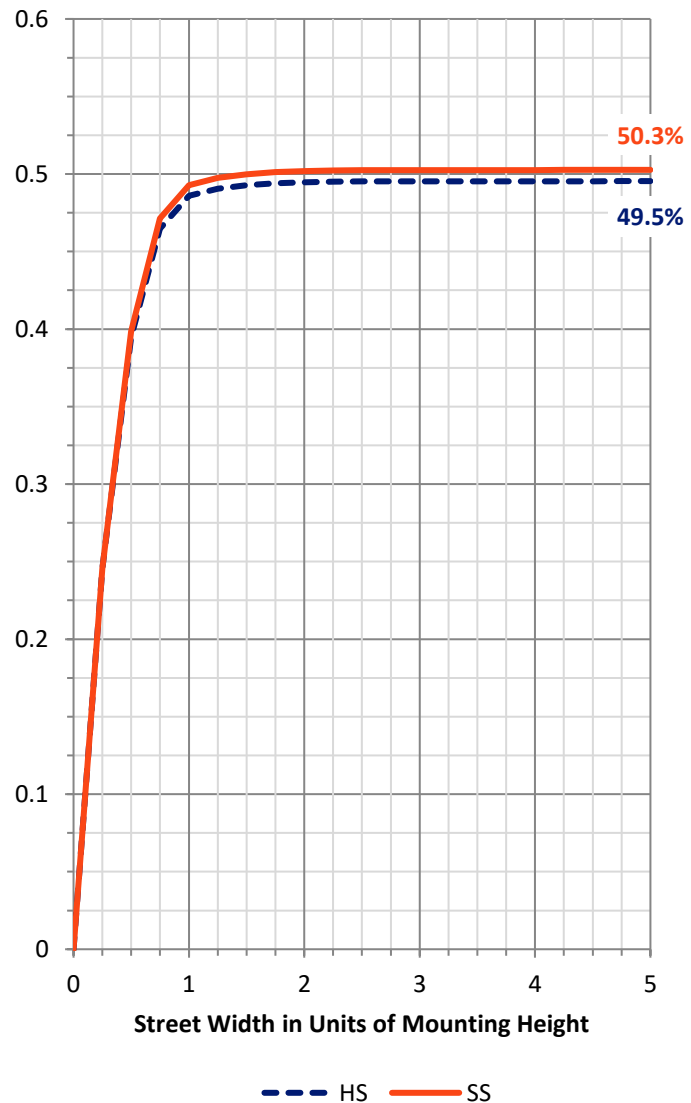
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 828.5 | 0.0 | 828.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 828.5 | 0.0 | 828.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 1657.0 | 0.0 | 1657.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 192.1 | 11.6 |
| 10°-20° | 428.3 | 25.8 |
| 20°-30° | 474.0 | 28.6 |
| 30°-40° | 387.3 | 23.4 |
| 40°-50° | 129.0 | 7.8 |
| 50°-60° | 31.5 | 1.9 |
| 60°-70° | 13.2 | 0.8 |
| 70°-80° | 0.8 | 0.0 |
| 80°-90° | 0.9 | 0.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 1657.0 | 100.0 |
| 0°-180° | 1657.0 | 100.0 |



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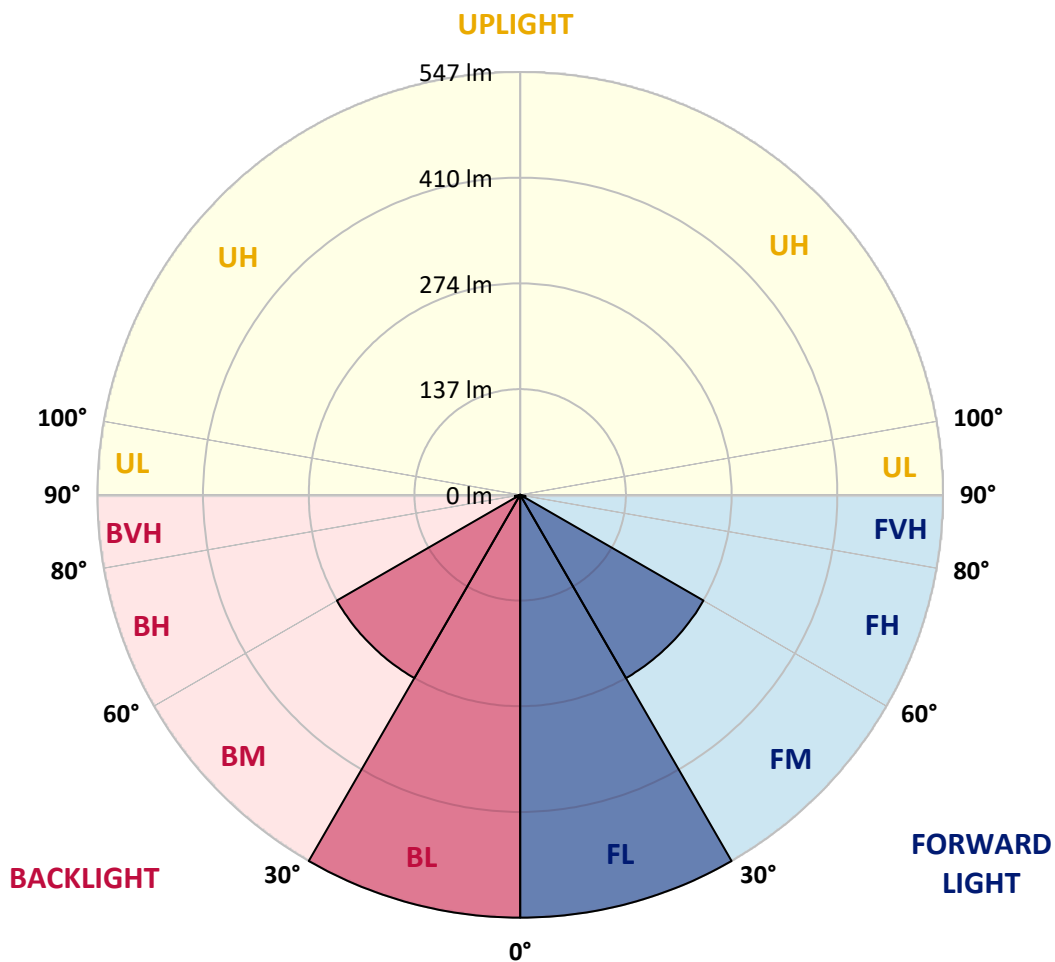
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 547.2 | 33.0 | | | |
| FM (30°-60°) | 273.9 | 16.5 | | | |
| FH (60°-80°) | 7.0 | 0.4 | | | G0/660 |
| FVH (80°-90°) | 0.4 | 0.0 | | | G0/10 |
| BL (0°-30°) | 547.2 | 33.0 | B2/1000 | | |
| BM (30°-60°) | 273.9 | 16.5 | B1/1000 | | |
| BH (60°-80°) | 7.0 | 0.4 | B0/110 | | G0/660 |
| BVH (80°-90°) | 0.4 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2193.0 |
| 2.5° | 2173.3 |
| 5° | 2099.3 |
| 7.5° | 1984.0 |
| 10° | 1842.6 |
| 12.5° | 1687.4 |
| 15° | 1542.0 |
| 17.5° | 1386.3 |
| 20° | 1254.2 |
| 22.5° | 1141.3 |
| 25° | 1033.4 |
| 27.5° | 929.4 |
| 30° | 829.9 |
| 32.5° | 729.8 |
| 35° | 630.8 |
| 37.5° | 528.8 |
| 40° | 389.3 |
| 42.5° | 260.2 |
| 45° | 135.0 |
| 47.5° | 71.0 |
| 50° | 49.3 |
| 52.5° | 37.0 |
| 55° | 36.5 |
| 57.5° | 30.6 |
| 60° | 25.1 |
| 62.5° | 20.7 |
| 65° | 12.8 |
| 67.5° | 6.9 |
| 70° | 1.5 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 2.0 |
| 80° | 0.5 |
| 82.5° | 1.5 |
| 85° | 0.0 |
| 87.5° | 1.5 |
| 90° | 0.0 |

(END OF REPORT)