

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: P295413

Luminaire Tested: **TCRS5M(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRS5M(7040-7050)
Description: TRACER SMALL, STANDARD TRIM NEMA 4x4
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 551.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Circular (Dia: 0.17' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

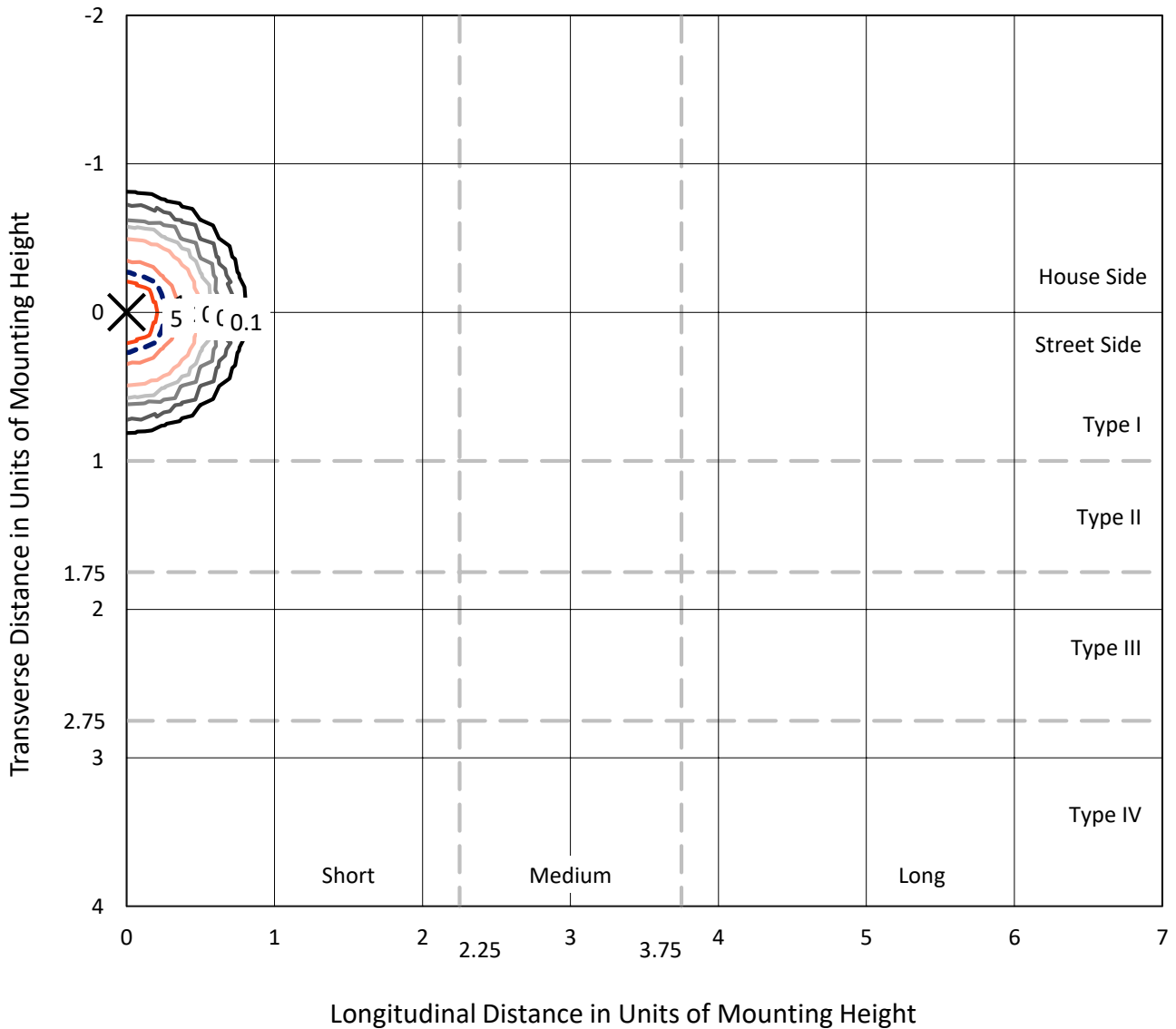
Input Watts (W): 5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P295413
 CATALOG NUMBER: TCRS5M(7040-7050)

Iso-Footcandle Lines of Horizontal Illumination

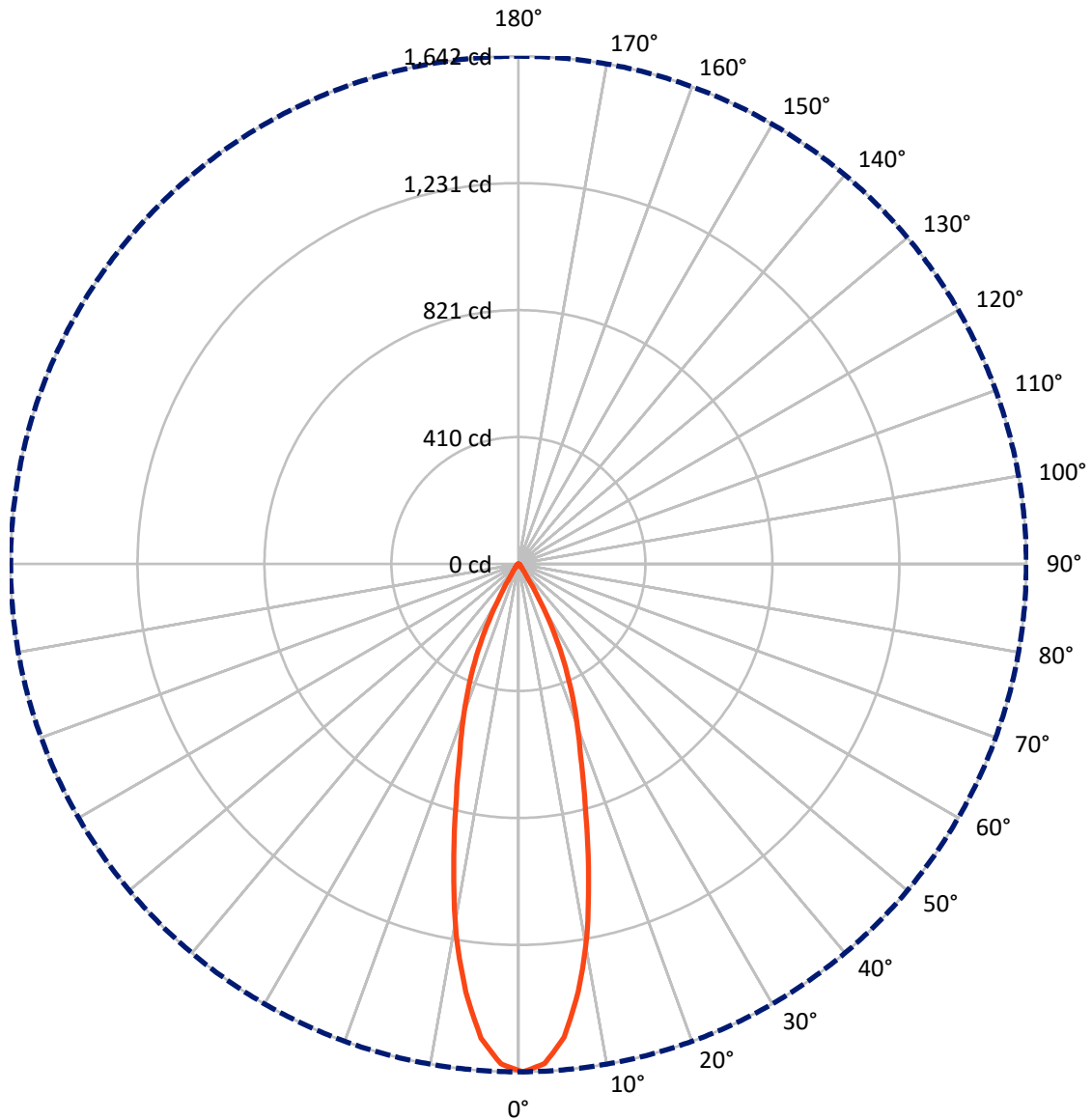
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P295413
CATALOG NUMBER: TCR55M(7040-7050)

Luminous Intensity Polar Plot



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

REPORT NUMBER: P295413

CATALOG NUMBER: TCRS5M(7040-7050)

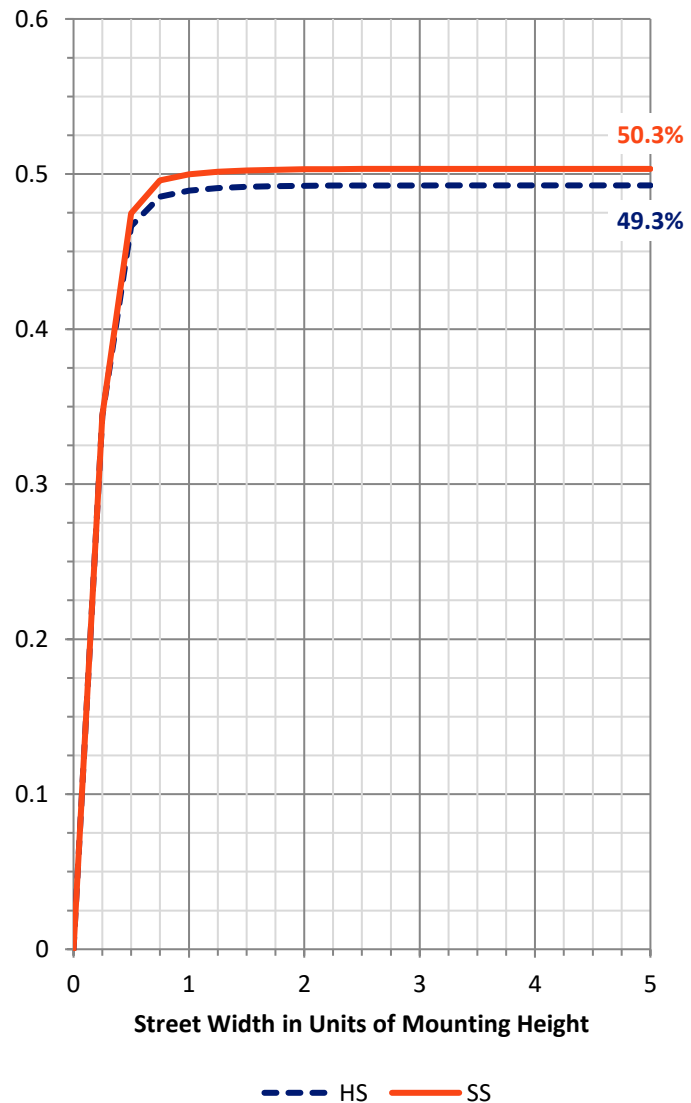
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 275.9 | 0.0 | 275.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 275.9 | 0.0 | 275.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 551.8 | 0.0 | 551.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 136.2 | 24.7 |
| 10°-20° | 226.4 | 41.0 |
| 20°-30° | 146.6 | 26.6 |
| 30°-40° | 29.0 | 5.3 |
| 40°-50° | 7.8 | 1.4 |
| 50°-60° | 4.0 | 0.7 |
| 60°-70° | 1.6 | 0.3 |
| 70°-80° | 0.1 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 551.8 | 100.0 |
| 0°-180° | 551.8 | 100.0 |



REPORT NUMBER: P295413

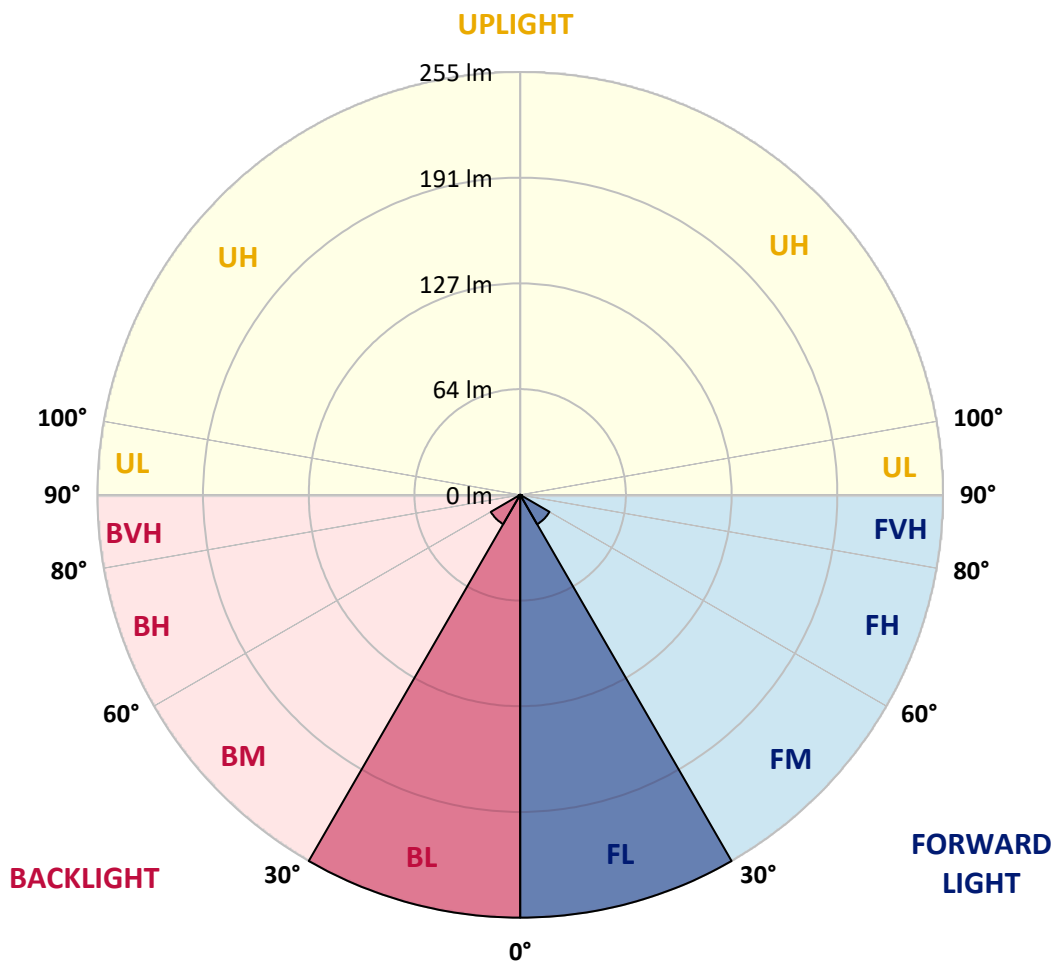
CATALOG NUMBER: TCRS5M(7040-7050)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 254.6 | 46.1 | | | |
| FM | (30°-60°) | 20.4 | 3.7 | | | |
| FH | (60°-80°) | 0.9 | 0.2 | | | G0/660 |
| FVH | (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL | (0°-30°) | 254.6 | 46.1 | B1/500 | | |
| BM | (30°-60°) | 20.4 | 3.7 | B0/220 | | |
| BH | (60°-80°) | 0.9 | 0.2 | B0/110 | | G0/660 |
| BVH | (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0

Type V Short



REPORT NUMBER: P295413

CATALOG NUMBER: TCRS5M(7040-7050)

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1641.5 |
| 2.5° | 1617.0 |
| 5° | 1537.0 |
| 7.5° | 1394.1 |
| 10° | 1218.1 |
| 12.5° | 1004.9 |
| 15° | 805.2 |
| 17.5° | 648.8 |
| 20° | 535.8 |
| 22.5° | 429.5 |
| 25° | 326.8 |
| 27.5° | 226.6 |
| 30° | 127.7 |
| 32.5° | 60.5 |
| 35° | 35.4 |
| 37.5° | 24.4 |
| 40° | 16.5 |
| 42.5° | 12.2 |
| 45° | 9.2 |
| 47.5° | 7.9 |
| 50° | 6.1 |
| 52.5° | 5.5 |
| 55° | 4.3 |
| 57.5° | 3.7 |
| 60° | 3.1 |
| 62.5° | 2.4 |
| 65° | 1.2 |
| 67.5° | 1.2 |
| 70° | 0.6 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)