

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: McGRAW-EDISON

Report Number: P588386

Luminaire Tested: **GAT-CA6-LED-110-740-U-55-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GAT-CA6-LED-110-740-U-55-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14573 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

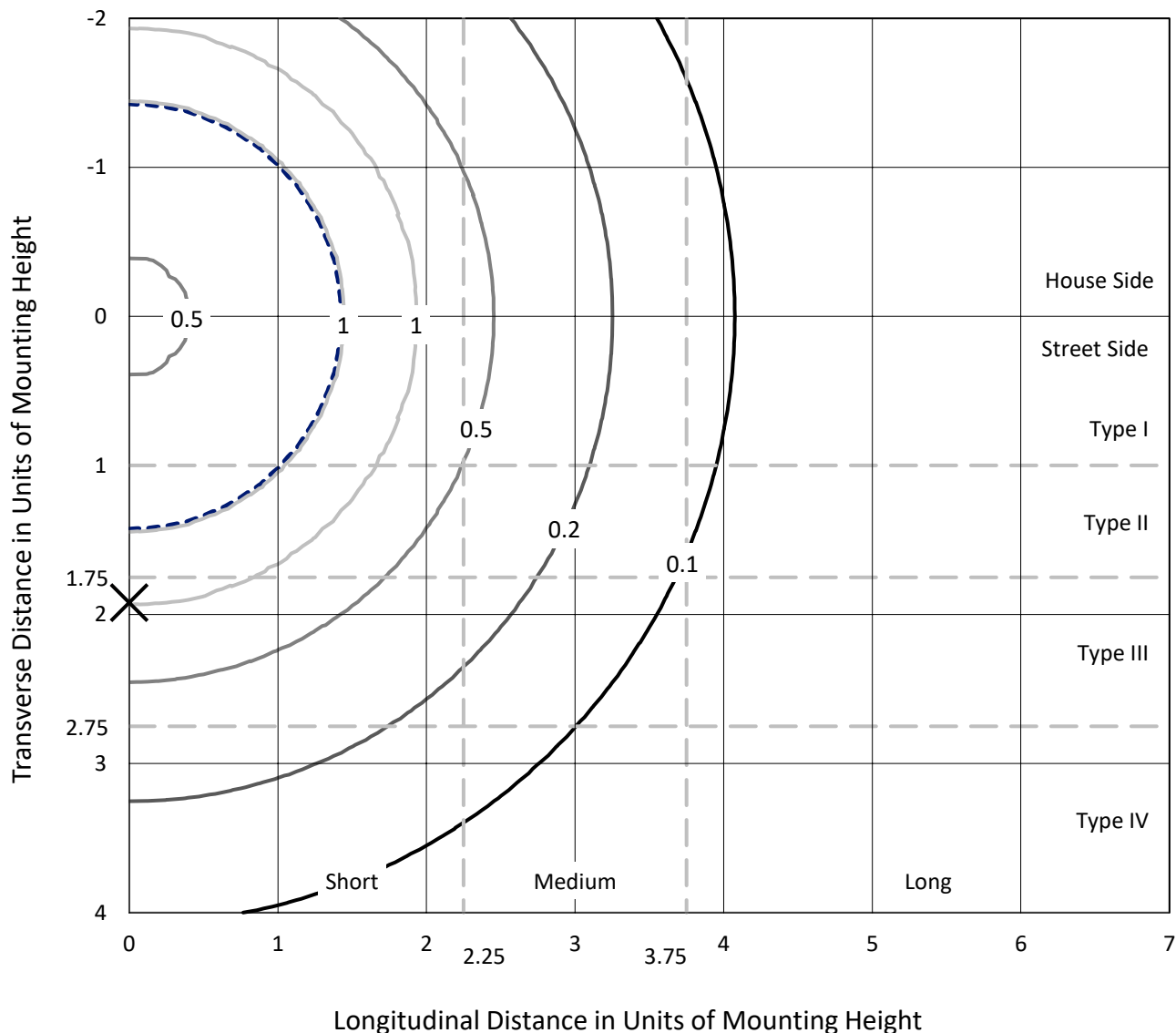
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

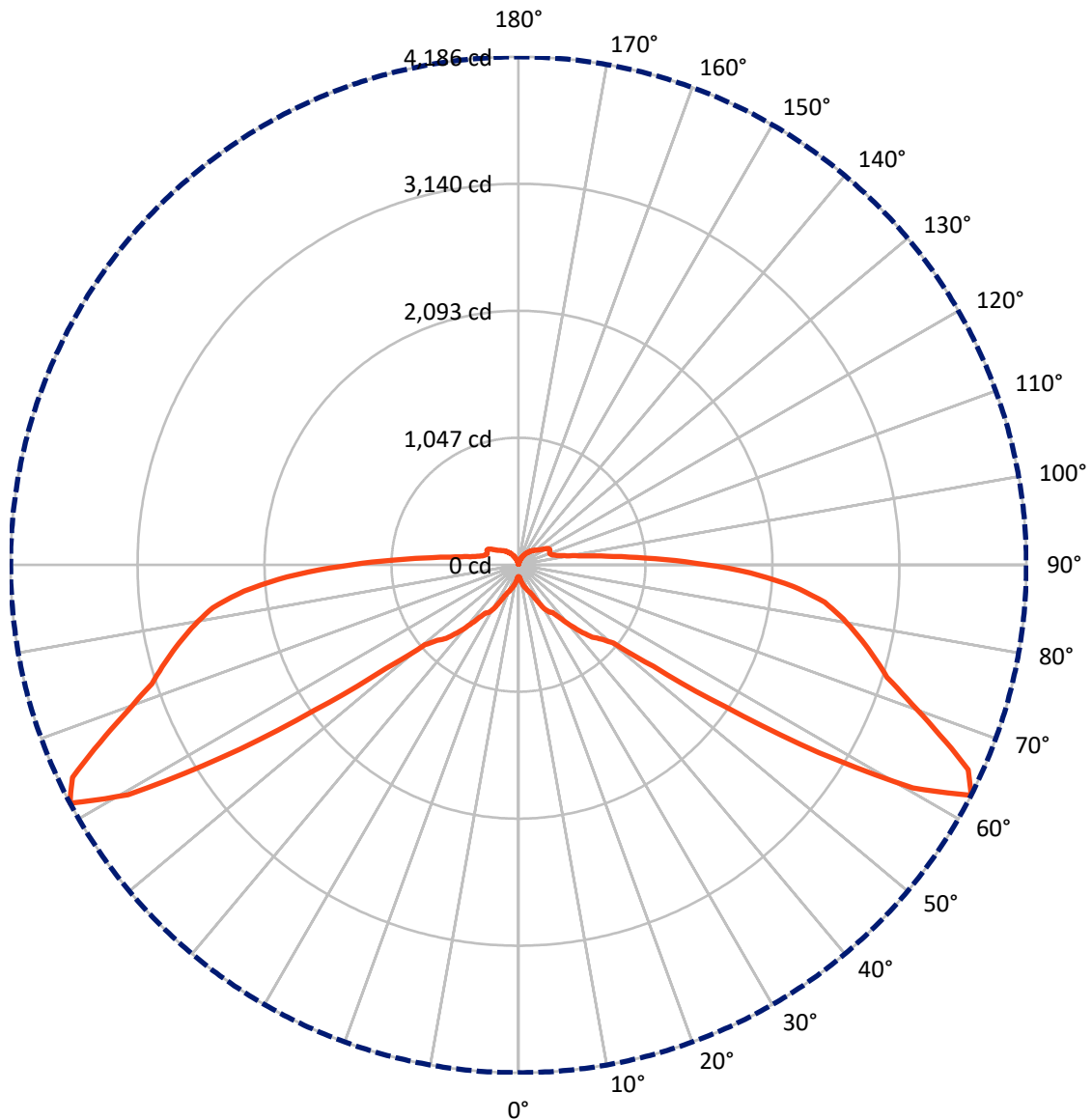
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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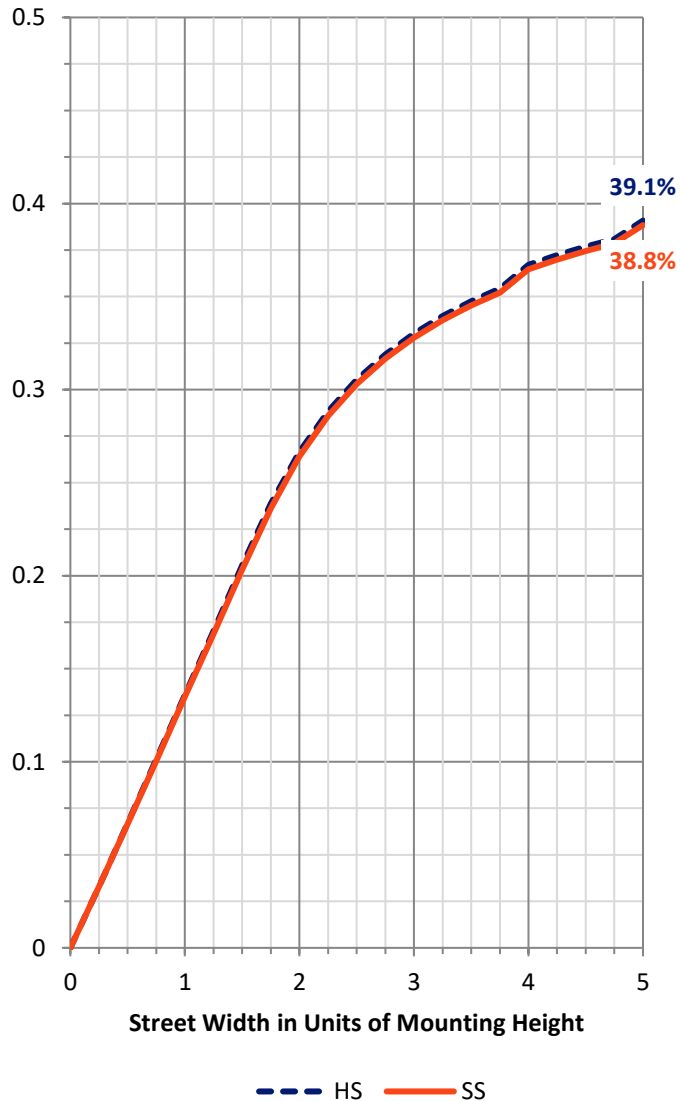
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6325.8 | 960.7 | 7286.5 |
| | % Fixture | 43.4 | 6.6 | 50.0 |
| Street Side | Lumens | 6325.8 | 960.7 | 7286.5 |
| | % Fixture | 43.4 | 6.6 | 50.0 |
| Total | Lumens | 12651.6 | 1921.4 | 14573.0 |
| | % Fixture | 86.8 | 13.2 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 12.0 | 0.1 |
| 10°-20° | 55.3 | 0.4 |
| 20°-30° | 143.6 | 1.0 |
| 30°-40° | 322.9 | 2.2 |
| 40°-50° | 652.4 | 4.5 |
| 50°-60° | 1986.8 | 13.6 |
| 60°-70° | 3865.5 | 26.5 |
| 70°-80° | 3210.0 | 22.0 |
| 80°-90° | 2403.2 | 16.5 |
| 90°-100° | 880.1 | 6.0 |
| 100°-110° | 331.3 | 2.3 |
| 110°-120° | 276.3 | 1.9 |
| 120°-130° | 194.5 | 1.3 |
| 130°-140° | 126.1 | 0.9 |
| 140°-150° | 73.0 | 0.5 |
| 150°-160° | 31.5 | 0.2 |
| 160°-170° | 8.0 | 0.1 |
| 170°-180° | 0.6 | 0.0 |
| 0°-90° | 12651.6 | 86.8 |
| 0°-180° | 14573.0 | 100.0 |

Coefficient of Utilization



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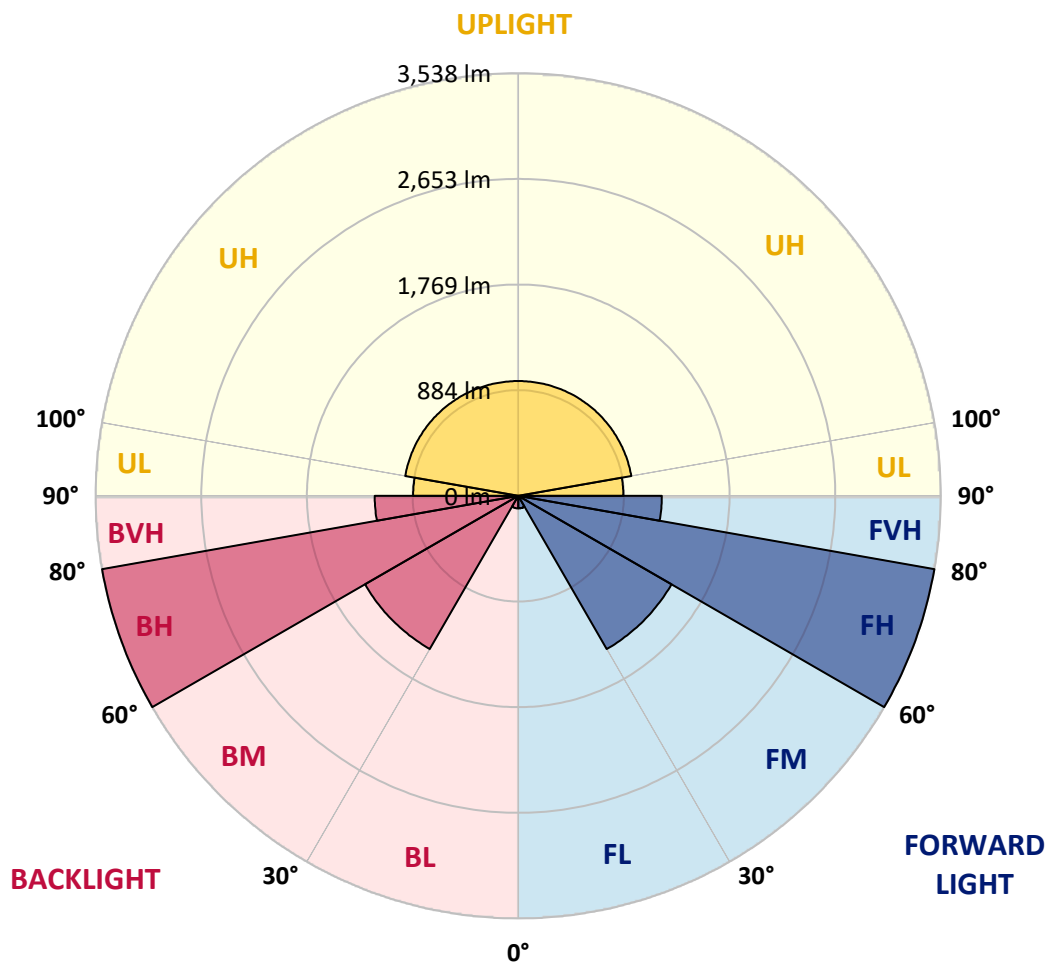
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 105.4 | 0.7 | | | |
| FM | (30°-60°) | 1481.1 | 10.2 | | | |
| FH | (60°-80°) | 3537.7 | 24.3 | | | G2/5000 |
| FVH | (80°-90°) | 1201.6 | 8.2 | | | G5 |
| BL | (0°-30°) | 105.4 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 1481.1 | 10.2 | B2/2500 | | |
| BH | (60°-80°) | 3537.7 | 24.3 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 1201.6 | 8.2 | | | G5 |
| UL | (90°-100°) | 880.1 | 6.0 | | U4/1000 | |
| UH | (100°-180°) | 960.7 | 6.6 | | U4/1000 | |

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|--------|--------|
| 0° | 97.1 |
| 2.5° | 99.1 |
| 5° | 110.7 |
| 7.5° | 132.1 |
| 10° | 151.5 |
| 12.5° | 170.9 |
| 15° | 190.4 |
| 17.5° | 209.8 |
| 20° | 233.1 |
| 22.5° | 250.6 |
| 25° | 287.5 |
| 27.5° | 353.5 |
| 30° | 419.6 |
| 32.5° | 464.3 |
| 35° | 483.7 |
| 37.5° | 555.6 |
| 40° | 652.7 |
| 42.5° | 753.7 |
| 45° | 850.8 |
| 47.5° | 913.0 |
| 50° | 1014.0 |
| 52.5° | 1390.9 |
| 55° | 2063.0 |
| 57.5° | 2921.6 |
| 60° | 3733.6 |
| 62.5° | 4186.2 |
| 65° | 4073.5 |
| 67.5° | 3745.2 |
| 70° | 3436.4 |
| 72.5° | 3176.1 |
| 75° | 3024.6 |
| 77.5° | 2871.1 |
| 80° | 2713.8 |
| 82.5° | 2544.7 |
| 85° | 2272.8 |
| 87.5° | 1911.5 |
| 90° | 1460.8 |
| 92.5° | 1041.2 |
| 95° | 724.6 |
| 97.5° | 524.5 |
| 100° | 402.1 |
| 102.5° | 334.1 |
| 105° | 299.2 |
| 107.5° | 279.7 |
| 110° | 273.9 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 277.8 |
| 115° | 285.6 |
| 117.5° | 281.7 |
| 120° | 262.2 |
| 122.5° | 233.1 |
| 125° | 211.7 |
| 127.5° | 196.2 |
| 130° | 184.5 |
| 132.5° | 172.9 |
| 135° | 163.2 |
| 137.5° | 151.5 |
| 140° | 137.9 |
| 142.5° | 126.3 |
| 145° | 116.6 |
| 147.5° | 104.9 |
| 150° | 89.4 |
| 152.5° | 77.7 |
| 155° | 66.0 |
| 157.5° | 56.3 |
| 160° | 44.7 |
| 162.5° | 35.0 |
| 165° | 25.3 |
| 167.5° | 17.5 |
| 170° | 11.7 |
| 172.5° | 5.8 |
| 175° | 3.9 |
| 177.5° | 5.8 |
| 180° | 5.8 |

(END OF REPORT)