

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: STREETWORKS

Report Number: P528481

Luminaire Tested: **GLAN-SA3C-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-750-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12596 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

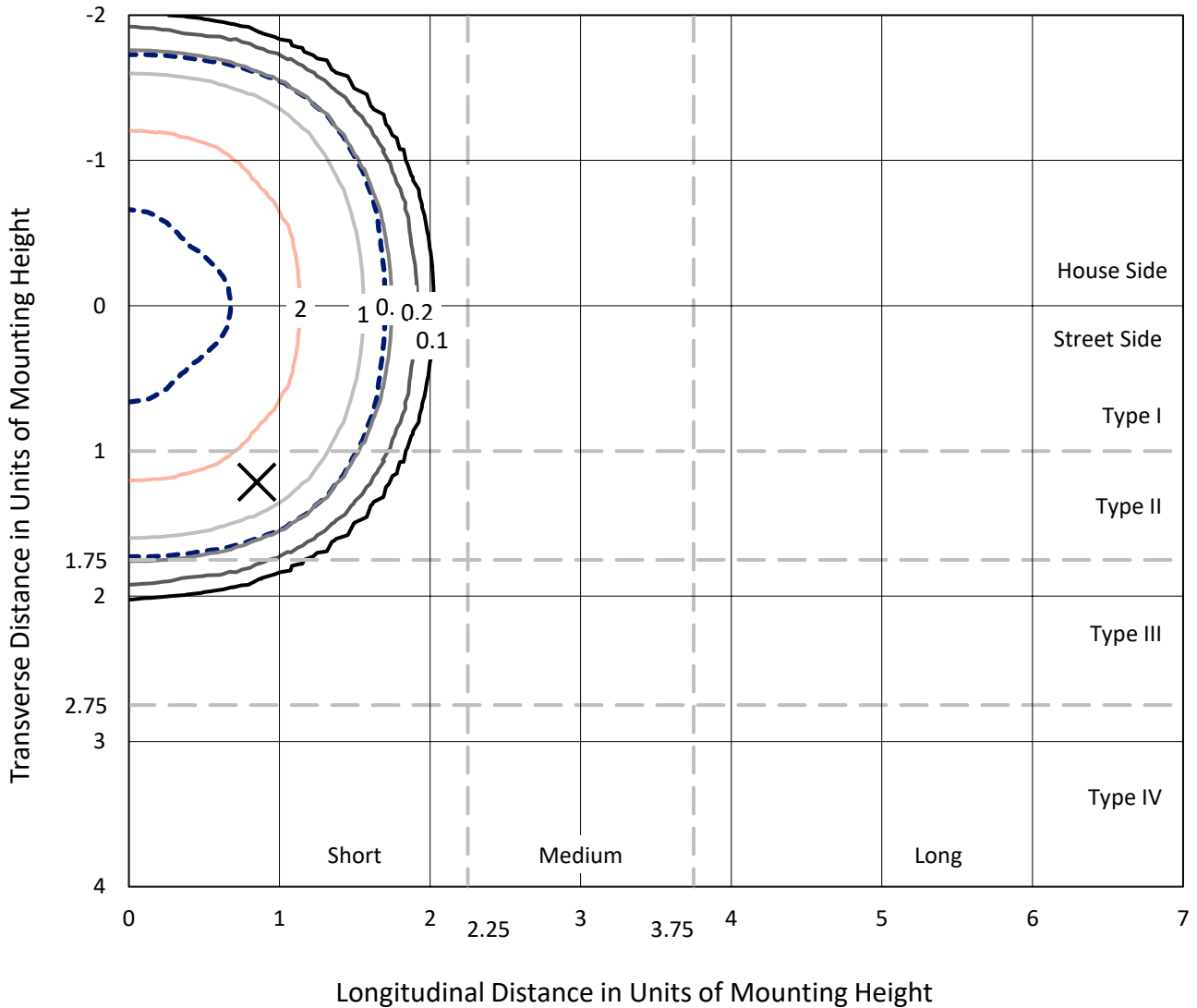
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

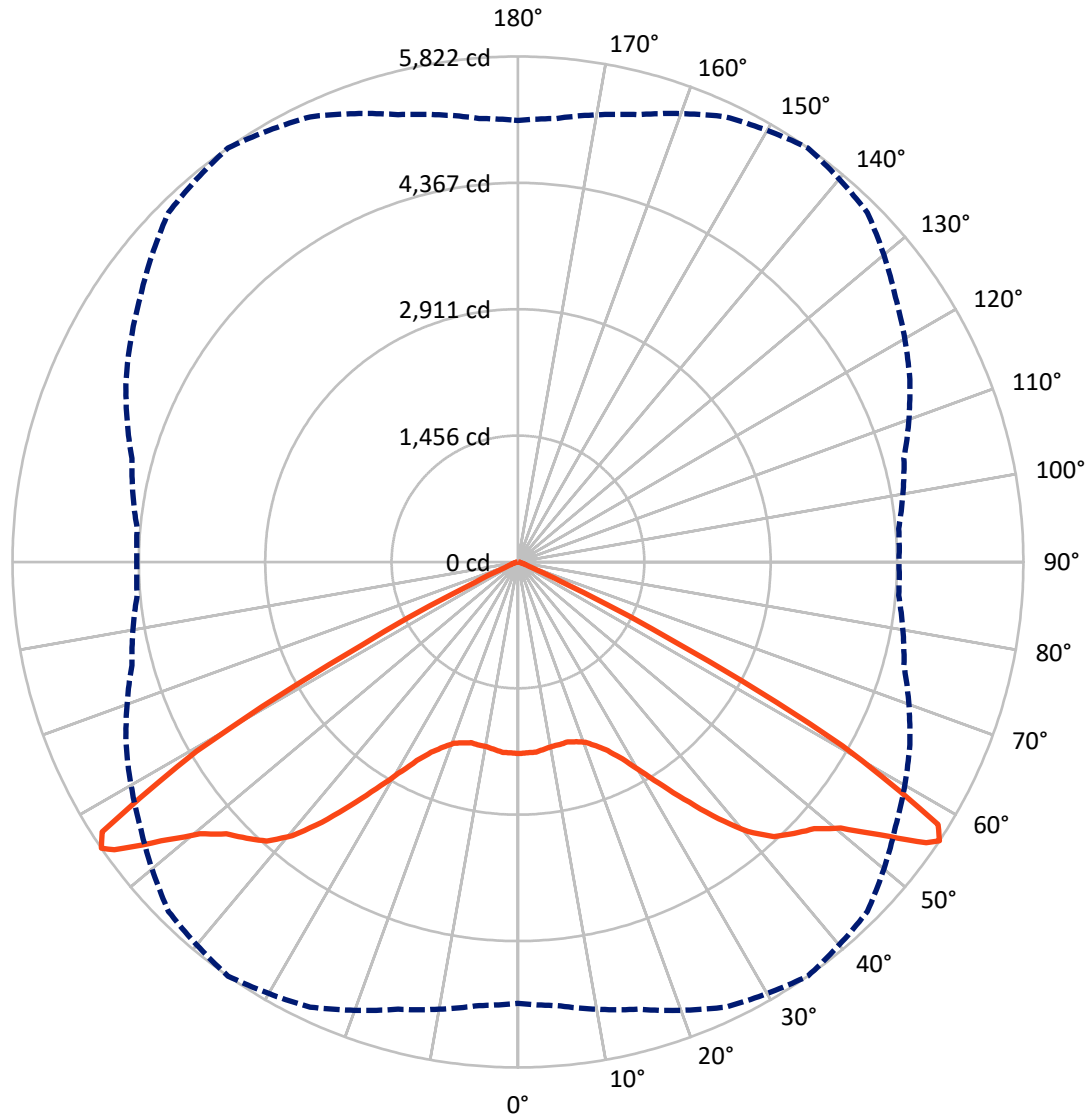
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6298.0 | 0.0 | 6298.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6298.0 | 0.0 | 6298.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12596.0 | 0.0 | 12596.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 207.4 | 1.6 |
| 10°-20° | 605.6 | 4.8 |
| 20°-30° | 1096.7 | 8.7 |
| 30°-40° | 2033.6 | 16.1 |
| 40°-50° | 3338.0 | 26.5 |
| 50°-60° | 4300.4 | 34.1 |
| 60°-70° | 947.8 | 7.5 |
| 70°-80° | 55.0 | 0.4 |
| 80°-90° | 11.6 | 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° | 12596.0 | 100.0 |
| 0°-180° | 12596.0 | 100.0 |

Coefficient of Utilization

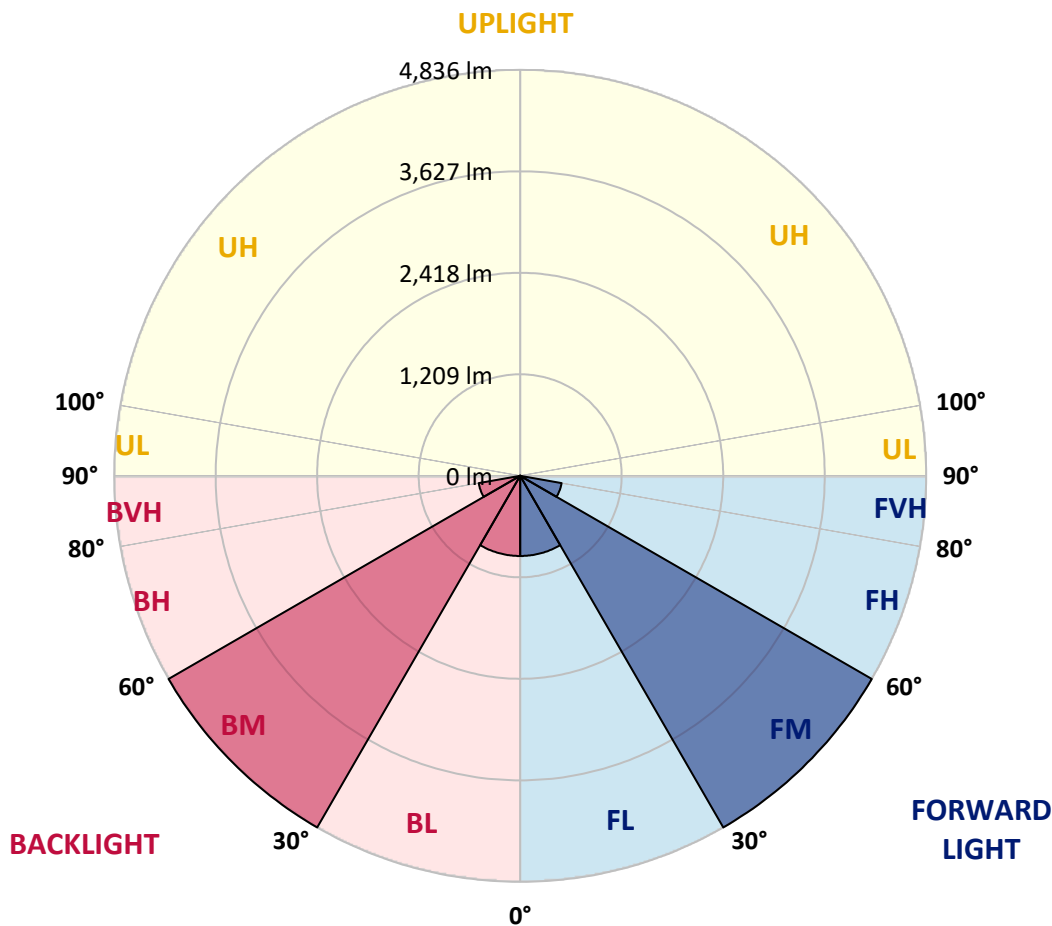


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 954.9 | 7.6 | | | |
| FM (30°-60°) | 4836.0 | 38.4 | | | |
| FH (60°-80°) | 501.4 | 4.0 | | | G0/660 |
| FVH (80°-90°) | 5.8 | 0.0 | | | G0/10 |
| BL (0°-30°) | 954.9 | 7.6 | B2/1000 | | |
| BM (30°-60°) | 4836.0 | 38.4 | B3/5000 | | |
| BH (60°-80°) | 501.4 | 4.0 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 5.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 | 2207.1 |
| 2.5° | 2211.7 | 2211.7 | 2213.9 | 2216.2 | 2200.2 | 2193.4 | 2195.7 | 2191.1 | 2188.8 | 2195.7 | 2195.7 |
| 5° | 2204.8 | 2204.8 | 2198.0 | 2200.2 | 2200.2 | 2179.7 | 2179.7 | 2184.3 | 2184.3 | 2170.6 | 2166.0 |
| 7.5° | 2186.5 | 2182.0 | 2172.9 | 2184.3 | 2177.4 | 2177.4 | 2161.4 | 2150.0 | 2145.5 | 2154.6 | 2145.5 |
| 10° | 2147.7 | 2150.0 | 2159.2 | 2163.7 | 2159.2 | 2172.9 | 2145.5 | 2129.5 | 2113.5 | 2106.7 | 2106.7 |
| 12.5° | 2129.5 | 2143.2 | 2129.5 | 2140.9 | 2156.9 | 2145.5 | 2129.5 | 2118.1 | 2095.3 | 2086.1 | 2086.1 |
| 15° | 2127.2 | 2136.3 | 2140.9 | 2156.9 | 2150.0 | 2154.6 | 2122.6 | 2108.9 | 2074.7 | 2058.7 | 2051.9 |
| 17.5° | 2124.9 | 2136.3 | 2143.2 | 2172.9 | 2177.4 | 2179.7 | 2154.6 | 2113.5 | 2083.8 | 2067.9 | 2051.9 |
| 20° | 2150.0 | 2154.6 | 2168.3 | 2198.0 | 2216.2 | 2248.2 | 2202.5 | 2159.2 | 2095.3 | 2077.0 | 2070.1 |
| 22.5° | 2182.0 | 2204.8 | 2218.5 | 2250.5 | 2298.4 | 2325.8 | 2266.4 | 2211.7 | 2145.5 | 2122.6 | 2095.3 |
| 25° | 2284.7 | 2280.1 | 2303.0 | 2369.1 | 2407.9 | 2428.5 | 2380.6 | 2300.7 | 2213.9 | 2186.5 | 2191.1 |
| 27.5° | 2412.5 | 2417.1 | 2437.6 | 2510.7 | 2567.7 | 2599.7 | 2542.6 | 2437.6 | 2353.2 | 2307.5 | 2303.0 |
| 30° | 2579.1 | 2574.6 | 2597.4 | 2695.5 | 2798.2 | 2846.2 | 2745.7 | 2622.5 | 2540.3 | 2481.0 | 2494.7 |
| 32.5° | 2754.9 | 2757.2 | 2821.1 | 2910.1 | 3076.7 | 3170.3 | 3008.2 | 2857.6 | 2734.3 | 2693.2 | 2672.7 |
| 35° | 3015.1 | 3026.5 | 3076.7 | 3213.6 | 3398.5 | 3519.5 | 3341.4 | 3161.1 | 3019.6 | 2944.3 | 2953.4 |
| 37.5° | 3336.9 | 3325.5 | 3409.9 | 3558.3 | 3752.3 | 3841.3 | 3690.7 | 3485.2 | 3341.4 | 3291.2 | 3323.2 |
| 40° | 3679.2 | 3690.7 | 3734.0 | 3868.7 | 4085.5 | 4144.9 | 3921.2 | 3809.3 | 3683.8 | 3658.7 | 3697.5 |
| 42.5° | 4021.6 | 4014.8 | 4046.7 | 4167.7 | 4325.2 | 4284.1 | 4151.7 | 4085.5 | 3996.5 | 3946.3 | 3998.8 |
| 45° | 4272.7 | 4261.3 | 4320.6 | 4402.8 | 4459.8 | 4382.2 | 4322.9 | 4300.1 | 4254.4 | 4199.6 | 4247.6 |
| 47.5° | 4516.9 | 4507.8 | 4564.8 | 4587.6 | 4592.2 | 4489.5 | 4500.9 | 4542.0 | 4427.9 | 4313.8 | 4368.5 |
| 50° | 4724.6 | 4708.6 | 4779.4 | 4829.6 | 4818.2 | 4653.8 | 4694.9 | 4653.8 | 4475.8 | 4341.1 | 4320.6 |
| 52.5° | 5071.5 | 5078.4 | 5153.7 | 5245.0 | 5217.6 | 5080.6 | 5021.3 | 4834.1 | 4605.9 | 4484.9 | 4414.2 |
| 55° | 5290.6 | 5256.4 | 5386.5 | 5676.4 | 5708.3 | 5566.8 | 5304.3 | 5028.1 | 4685.8 | 4537.4 | 4519.2 |
| 56° | 5085.2 | 5128.6 | 5334.0 | 5658.1 | 5822.4 | 5692.3 | 5311.2 | 4980.2 | 4603.6 | 4402.8 | 4389.1 |
| 57.5° | 4562.5 | 4539.7 | 4818.2 | 5261.0 | 5708.3 | 5653.5 | 5124.0 | 4637.9 | 4199.6 | 3973.7 | 3946.3 |
| 60° | 2839.3 | 2905.5 | 3149.7 | 3697.5 | 4295.5 | 4322.9 | 3797.9 | 3380.2 | 2869.0 | 2668.1 | 2716.1 |
| 62.5° | 1111.5 | 1054.5 | 1207.4 | 1615.9 | 2026.8 | 2118.1 | 1919.5 | 1595.4 | 1310.1 | 1111.5 | 1097.8 |
| 65° | 257.9 | 251.1 | 283.0 | 390.3 | 545.5 | 632.2 | 600.3 | 431.4 | 317.3 | 301.3 | 278.5 |
| 67.5° | 146.1 | 146.1 | 139.2 | 139.2 | 152.9 | 162.1 | 155.2 | 152.9 | 159.8 | 166.6 | 164.3 |
| 70° | 102.7 | 100.4 | 95.9 | 98.1 | 93.6 | 93.6 | 100.4 | 111.8 | 121.0 | 121.0 | 123.3 |
| 72.5° | 61.6 | 61.6 | 61.6 | 68.5 | 68.5 | 68.5 | 75.3 | 84.4 | 86.7 | 84.4 | 82.2 |
| 75° | 27.4 | 27.4 | 32.0 | 38.8 | 43.4 | 45.6 | 52.5 | 57.1 | 61.6 | 57.1 | 52.5 |
| 77.5° | 6.8 | 6.8 | 11.4 | 16.0 | 20.5 | 25.1 | 34.2 | 41.1 | 43.4 | 41.1 | 34.2 |
| 80° | 2.3 | 2.3 | 4.6 | 11.4 | 20.5 | 25.1 | 34.2 | 36.5 | 38.8 | 34.2 | 27.4 |
| 82.5° | 2.3 | 2.3 | 4.6 | 11.4 | 16.0 | 20.5 | 27.4 | 32.0 | 34.2 | 29.7 | 27.4 |
| 85° | 0.0 | 2.3 | 4.6 | 9.1 | 13.7 | 18.3 | 18.3 | 13.7 | 11.4 | 6.8 | 9.1 |
| 87.5° | 0.0 | 0.0 | 2.3 | 2.3 | 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 |

(END OF REPORT)