

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: P528359

Luminaire Tested: **GLAN-SA3C-722-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-722-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9971 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

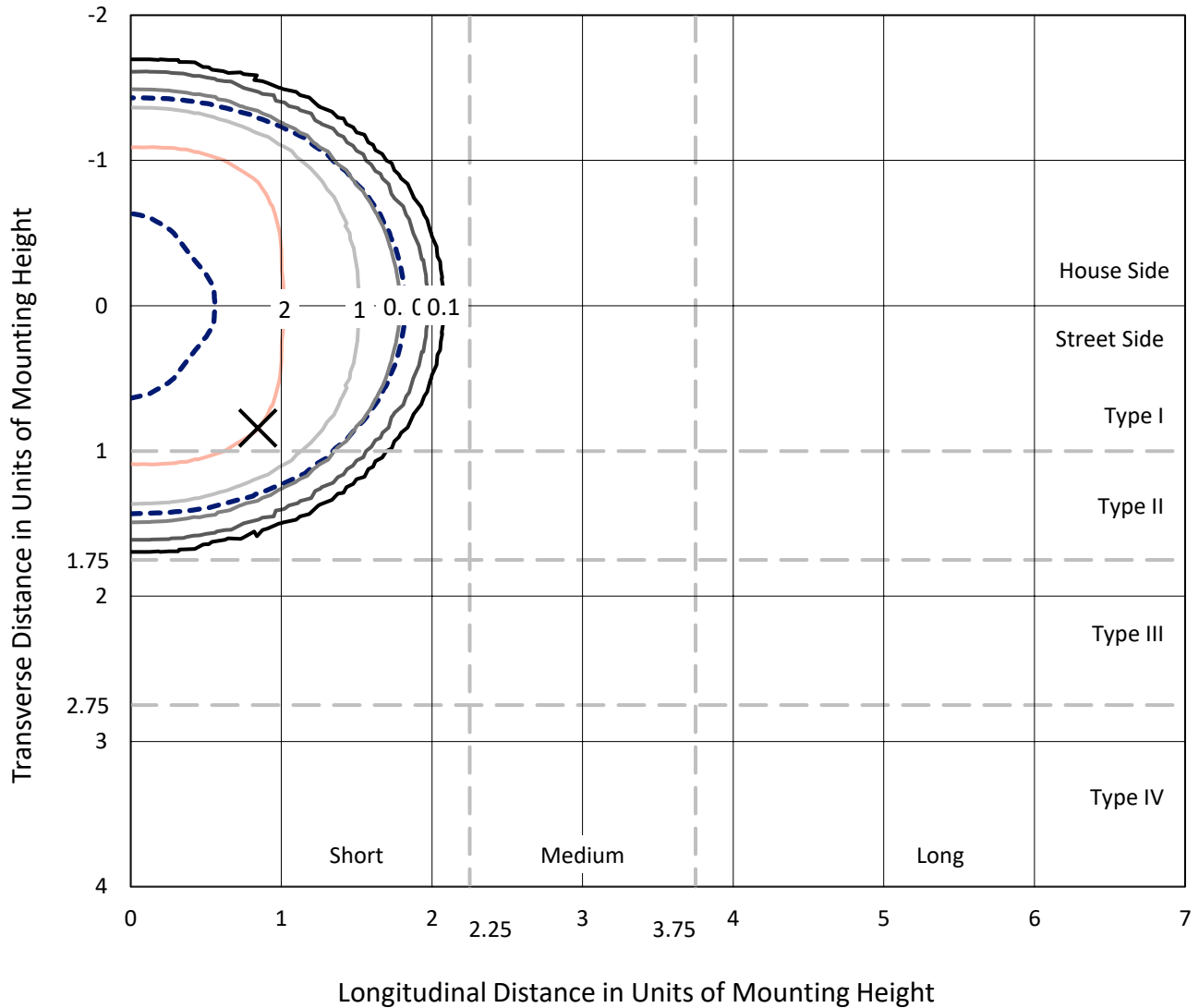
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

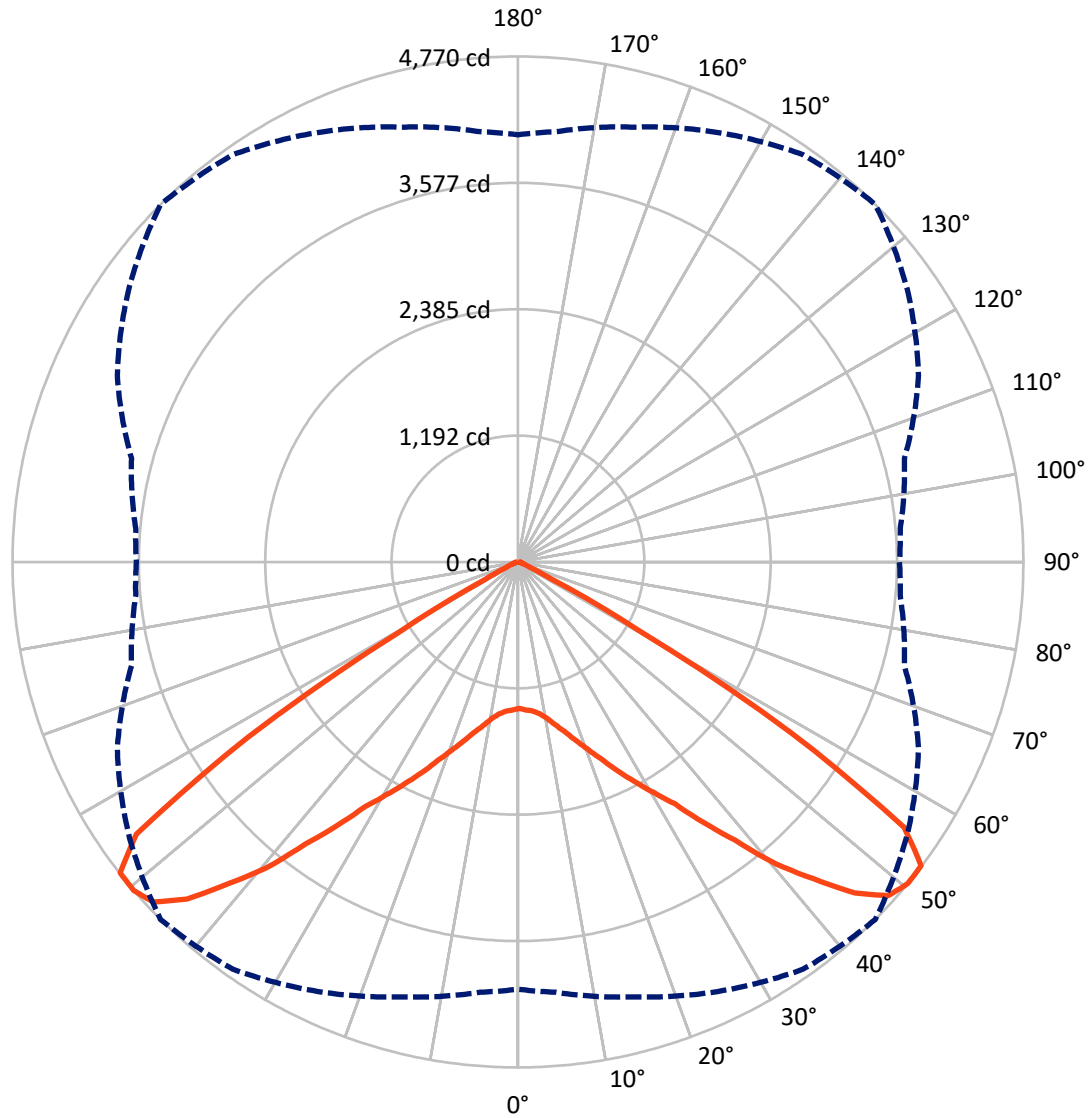
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4985.5 | 0.0 | 4985.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4985.5 | 0.0 | 4985.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9971.0 | 0.0 | 9971.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 137.5 | 1.4 |
| 10°-20° | 474.0 | 4.8 |
| 20°-30° | 968.1 | 9.7 |
| 30°-40° | 1846.1 | 18.5 |
| 40°-50° | 3111.0 | 31.2 |
| 50°-60° | 2966.9 | 29.8 |
| 60°-70° | 414.2 | 4.2 |
| 70°-80° | 39.6 | 0.4 |
| 80°-90° | 13.7 | 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° | 9971.0 | 100.0 |
| 0°-180° | 9971.0 | 100.0 |

Coefficient of Utilization



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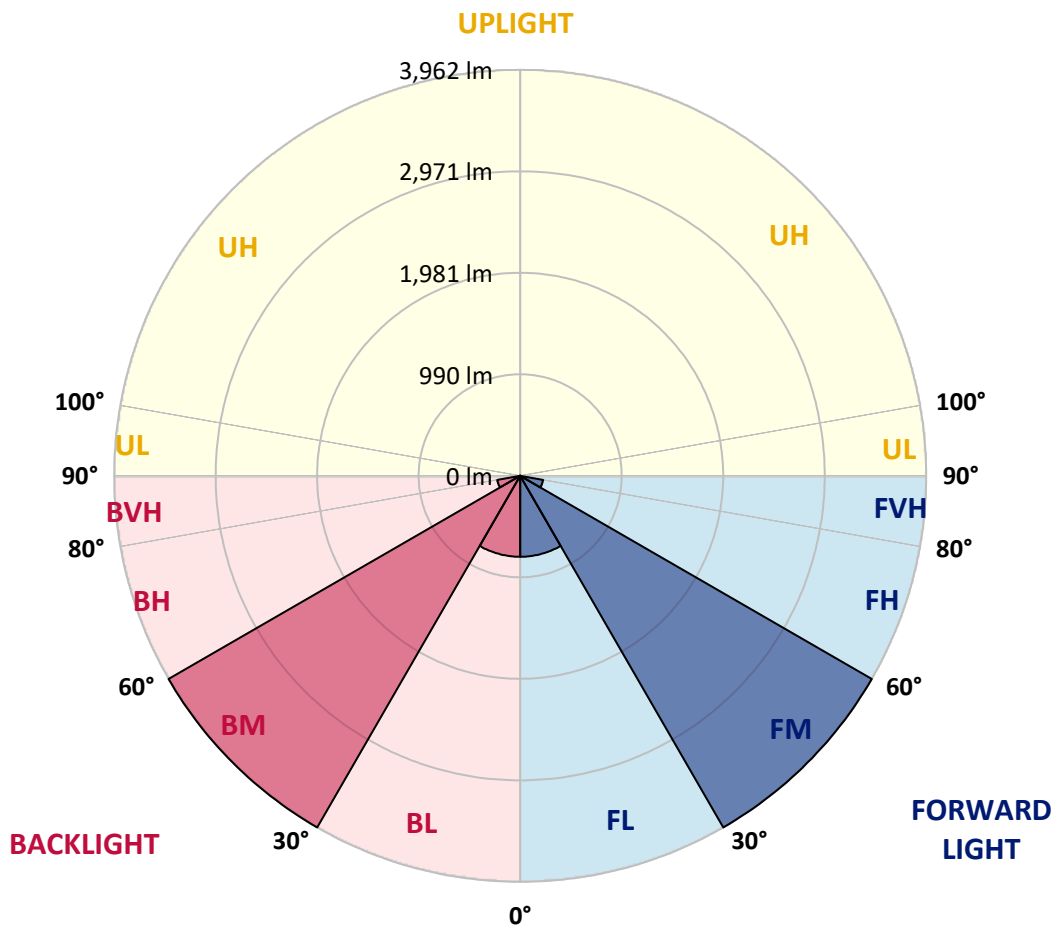
CATALOG NUMBER: GLAN-SA3C-722-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 789.8 | 7.9 | | | |
| FM (30°-60°) | 3962.0 | 39.7 | | | |
| FH (60°-80°) | 226.9 | 2.3 | | | G0/660 |
| FVH (80°-90°) | 6.8 | 0.1 | | | G0/10 |
| BL (0°-30°) | 789.8 | 7.9 | B2/1000 | | |
| BM (30°-60°) | 3962.0 | 39.7 | B3/5000 | | |
| BH (60°-80°) | 226.9 | 2.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 6.8 | 0.1 | | | 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° | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 | 1382.4 |
| 2.5° | 1377.3 | 1377.3 | 1375.7 | 1389.1 | 1382.4 | 1397.5 | 1395.8 | 1400.8 | 1405.9 | 1404.2 | 1417.6 |
| 5° | 1365.6 | 1363.9 | 1363.9 | 1379.0 | 1394.1 | 1410.9 | 1426.0 | 1436.1 | 1452.8 | 1452.8 | 1469.6 |
| 7.5° | 1377.3 | 1368.9 | 1380.7 | 1387.4 | 1415.9 | 1444.4 | 1469.6 | 1489.7 | 1528.3 | 1541.7 | 1536.7 |
| 10° | 1380.7 | 1390.8 | 1399.1 | 1419.3 | 1454.5 | 1498.1 | 1519.9 | 1570.3 | 1613.9 | 1644.1 | 1650.8 |
| 12.5° | 1402.5 | 1417.6 | 1441.1 | 1489.7 | 1521.6 | 1578.7 | 1608.8 | 1657.5 | 1717.9 | 1751.4 | 1774.9 |
| 15° | 1444.4 | 1449.5 | 1479.7 | 1541.7 | 1610.5 | 1662.5 | 1709.5 | 1744.7 | 1803.5 | 1842.0 | 1843.7 |
| 17.5° | 1498.1 | 1519.9 | 1561.9 | 1620.6 | 1692.7 | 1769.9 | 1806.8 | 1845.4 | 1867.2 | 1919.2 | 1931.0 |
| 20° | 1605.5 | 1608.8 | 1649.1 | 1726.3 | 1816.9 | 1887.3 | 1914.2 | 1934.3 | 1925.9 | 1979.6 | 1989.7 |
| 22.5° | 1706.2 | 1709.5 | 1759.8 | 1863.9 | 1961.2 | 2021.5 | 2033.3 | 2021.5 | 1996.4 | 2035.0 | 2038.3 |
| 25° | 1808.5 | 1838.7 | 1875.6 | 1979.6 | 2100.4 | 2180.9 | 2182.6 | 2150.7 | 2098.7 | 2105.4 | 2122.2 |
| 27.5° | 1967.9 | 1989.7 | 2028.3 | 2123.9 | 2256.4 | 2347.0 | 2331.9 | 2293.3 | 2226.2 | 2231.3 | 2226.2 |
| 30° | 2154.1 | 2174.2 | 2206.1 | 2328.6 | 2425.9 | 2524.8 | 2546.6 | 2509.7 | 2409.1 | 2387.3 | 2412.4 |
| 32.5° | 2378.9 | 2407.4 | 2466.1 | 2578.5 | 2660.7 | 2721.1 | 2736.2 | 2722.8 | 2628.9 | 2620.5 | 2637.2 |
| 35° | 2652.3 | 2690.9 | 2744.6 | 2843.6 | 2910.7 | 3019.7 | 3019.7 | 2974.4 | 2888.9 | 2898.9 | 2897.3 |
| 37.5° | 2940.9 | 2997.9 | 3081.8 | 3182.5 | 3273.1 | 3331.8 | 3313.3 | 3274.7 | 3189.2 | 3167.4 | 3189.2 |
| 40° | 3303.3 | 3331.8 | 3437.5 | 3568.3 | 3679.0 | 3746.2 | 3667.3 | 3583.4 | 3378.8 | 3410.6 | 3469.3 |
| 42.5° | 3633.8 | 3679.0 | 3759.6 | 3903.9 | 4029.7 | 4085.0 | 3991.1 | 3825.0 | 3578.4 | 3553.2 | 3596.8 |
| 45° | 3915.6 | 3964.2 | 4069.9 | 4276.3 | 4408.8 | 4457.5 | 4249.4 | 3981.0 | 3699.2 | 3635.4 | 3653.9 |
| 47.5° | 4103.5 | 4128.7 | 4276.3 | 4472.6 | 4593.4 | 4704.1 | 4405.5 | 4088.4 | 3756.2 | 3635.4 | 3628.7 |
| 50° | 4031.4 | 4075.0 | 4247.8 | 4470.9 | 4690.7 | 4769.5 | 4484.3 | 4170.6 | 3774.7 | 3620.3 | 3600.2 |
| 52.5° | 3580.1 | 3655.6 | 3848.5 | 4148.8 | 4481.0 | 4762.8 | 4593.4 | 4143.8 | 3768.0 | 3635.4 | 3665.6 |
| 55° | 2491.3 | 2493.0 | 2727.8 | 3170.7 | 3757.9 | 4422.2 | 4434.0 | 4174.0 | 3811.6 | 3729.4 | 3731.1 |
| 57.5° | 1001.5 | 1051.9 | 1231.4 | 1676.0 | 2217.8 | 3036.5 | 3610.3 | 3872.0 | 3816.6 | 3796.5 | 3848.5 |
| 60° | 253.3 | 255.0 | 310.4 | 473.1 | 780.1 | 1301.8 | 1890.7 | 2558.4 | 2945.9 | 3078.5 | 3096.9 |
| 62.5° | 129.2 | 130.9 | 144.3 | 167.8 | 213.1 | 348.9 | 620.7 | 984.8 | 1400.8 | 1612.2 | 1667.6 |
| 65° | 105.7 | 105.7 | 114.1 | 125.8 | 127.5 | 134.2 | 161.1 | 229.8 | 333.8 | 379.1 | 384.2 |
| 67.5° | 80.5 | 80.5 | 87.2 | 93.9 | 97.3 | 95.6 | 92.3 | 95.6 | 115.8 | 110.7 | 107.4 |
| 70° | 50.3 | 52.0 | 55.4 | 62.1 | 65.4 | 67.1 | 68.8 | 72.1 | 82.2 | 85.6 | 82.2 |
| 72.5° | 30.2 | 30.2 | 31.9 | 36.9 | 41.9 | 45.3 | 50.3 | 53.7 | 58.7 | 67.1 | 65.4 |
| 75° | 13.4 | 13.4 | 16.8 | 21.8 | 26.8 | 31.9 | 36.9 | 41.9 | 45.3 | 50.3 | 52.0 |
| 77.5° | 3.4 | 5.0 | 8.4 | 15.1 | 20.1 | 26.8 | 33.6 | 38.6 | 41.9 | 41.9 | 40.3 |
| 80° | 1.7 | 1.7 | 6.7 | 11.7 | 21.8 | 28.5 | 36.9 | 40.3 | 45.3 | 41.9 | 36.9 |
| 82.5° | 1.7 | 1.7 | 6.7 | 11.7 | 20.1 | 28.5 | 38.6 | 43.6 | 47.0 | 41.9 | 35.2 |
| 85° | 0.0 | 1.7 | 5.0 | 10.1 | 16.8 | 20.1 | 16.8 | 11.7 | 6.7 | 6.7 | 5.0 |
| 87.5° | 0.0 | 0.0 | 1.7 | 1.7 | 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)