

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: P529426

Luminaire Tested: **GLAN-SA4C-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24369 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

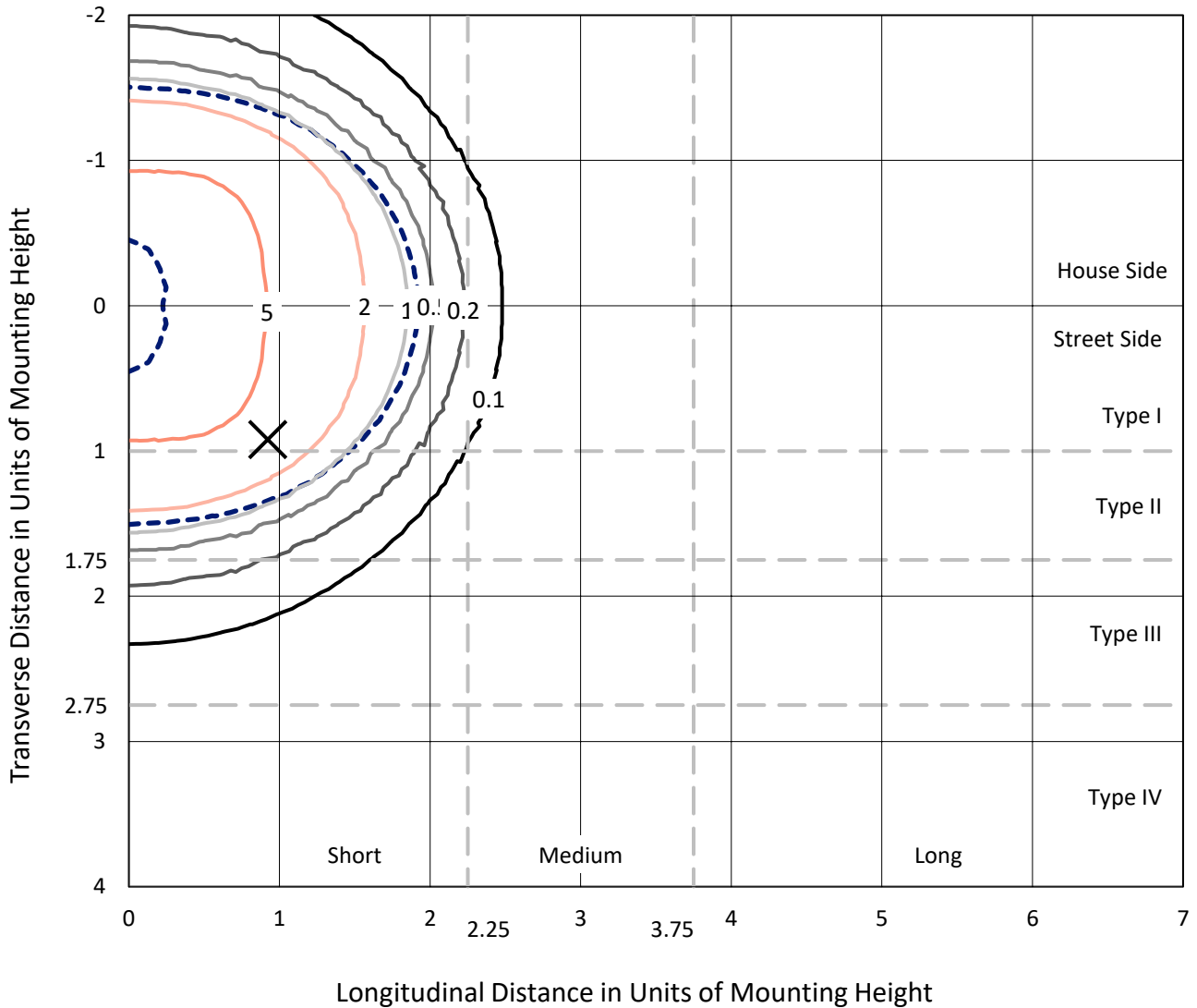
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

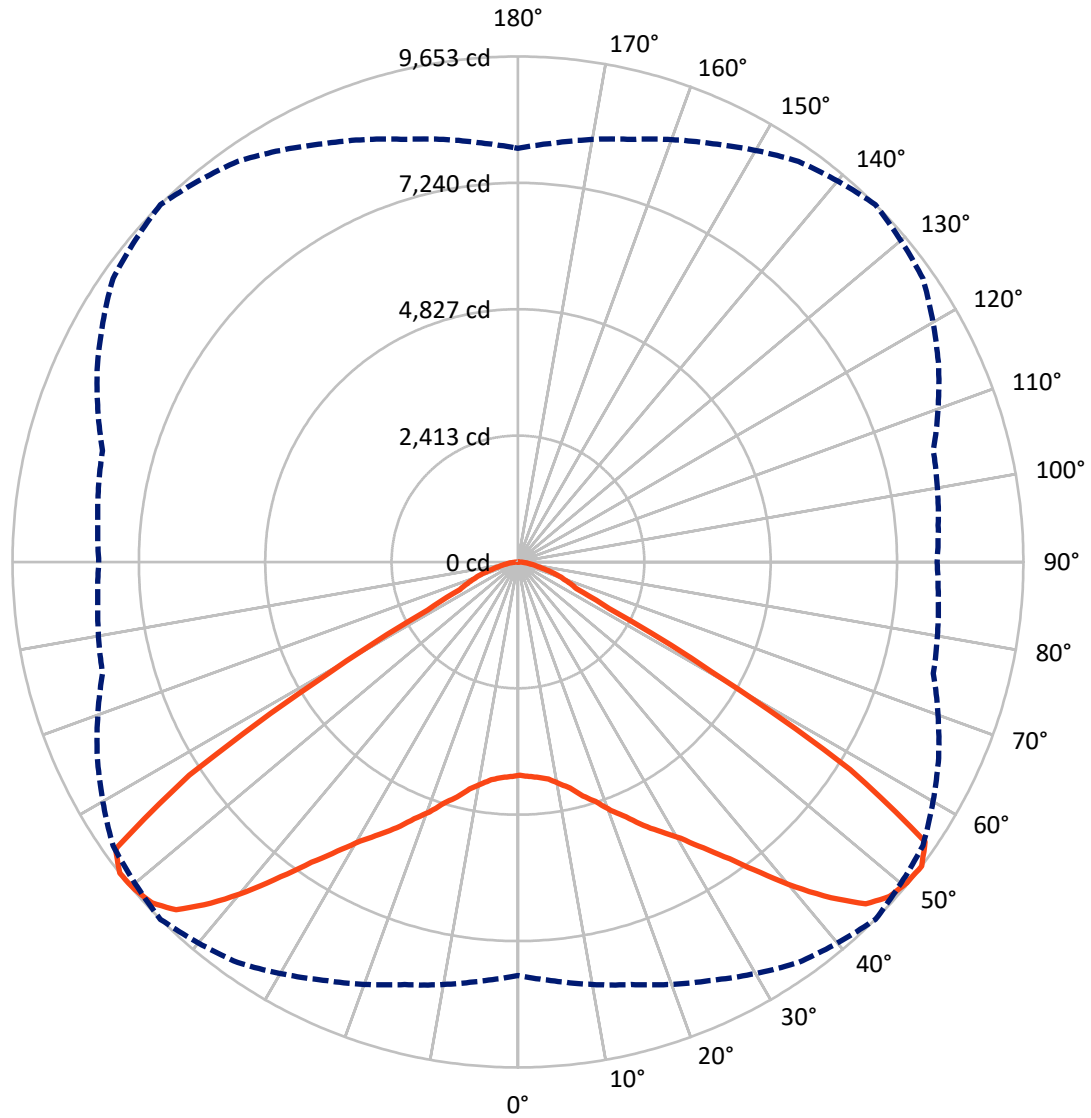
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 12184.5 | 0.0 | 12184.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 12184.5 | 0.0 | 12184.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 24369.0 | 0.0 | 24369.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 400.2 | 1.6 |
| 10°-20° | 1315.1 | 5.4 |
| 20°-30° | 2503.7 | 10.3 |
| 30°-40° | 4299.1 | 17.6 |
| 40°-50° | 6607.9 | 27.1 |
| 50°-60° | 6710.2 | 27.5 |
| 60°-70° | 1870.0 | 7.7 |
| 70°-80° | 551.6 | 2.3 |
| 80°-90° | 111.1 | 0.5 |
| 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° | 24369.0 | 100.0 |
| 0°-180° | 24369.0 | 100.0 |

Coefficient of Utilization

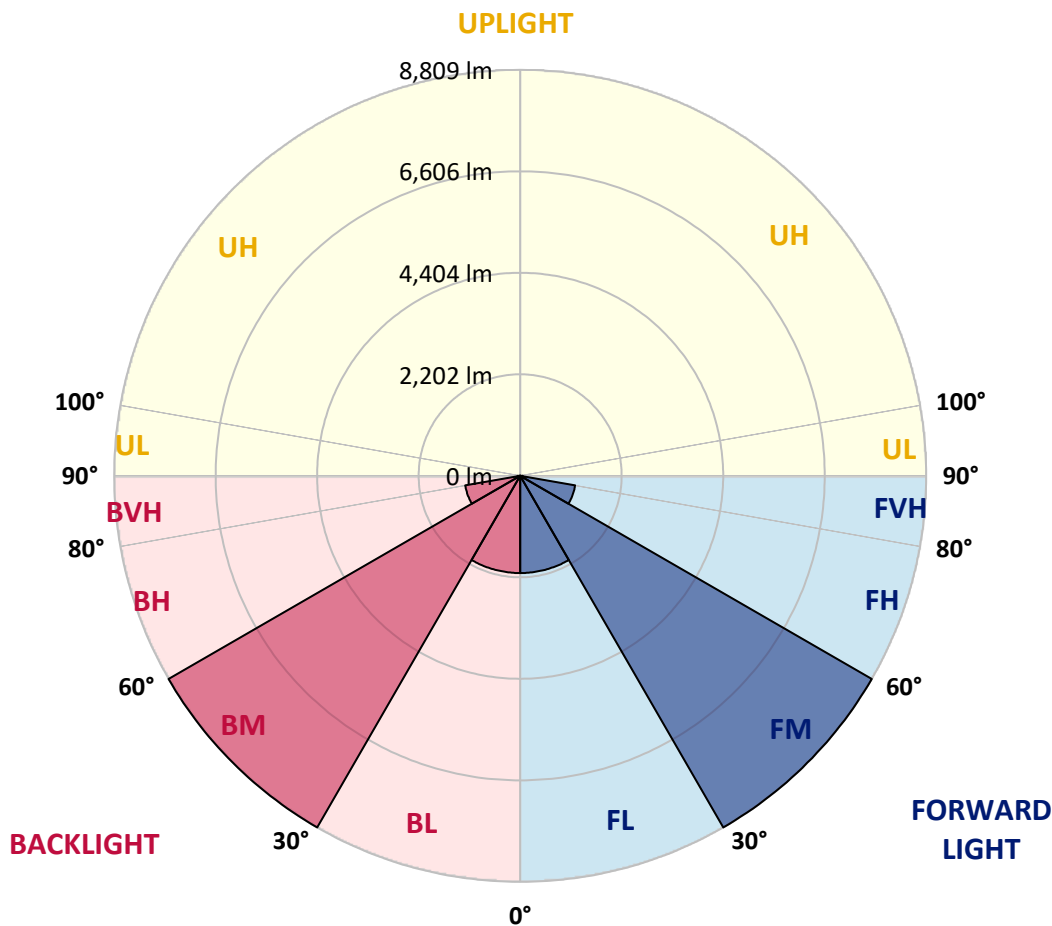


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2109.5 | 8.7 | | | |
| FM (30°-60°) | 8808.6 | 36.1 | | | |
| FH (60°-80°) | 1210.8 | 5.0 | | | G1/1800 |
| FVH (80°-90°) | 55.6 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2109.5 | 8.7 | B3/2500 | | |
| BM (30°-60°) | 8808.6 | 36.1 | B5 | | |
| BH (60°-80°) | 1210.8 | 5.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 55.6 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 | 4073.6 |
| 2.5° | 4082.7 | 4040.3 | 4055.5 | 4064.5 | 4103.8 | 4100.8 | 4091.7 | 4103.8 | 4115.9 | 4119.0 | 4112.9 |
| 5° | 4079.6 | 4049.4 | 4061.5 | 4070.6 | 4109.9 | 4131.1 | 4125.0 | 4176.4 | 4212.7 | 4203.6 | 4249.0 |
| 7.5° | 4055.5 | 4073.6 | 4058.5 | 4103.8 | 4137.1 | 4188.5 | 4243.0 | 4291.3 | 4336.7 | 4388.1 | 4397.2 |
| 10° | 4109.9 | 4109.9 | 4137.1 | 4173.4 | 4261.1 | 4300.4 | 4379.0 | 4448.6 | 4536.3 | 4596.8 | 4572.6 |
| 12.5° | 4167.3 | 4176.4 | 4176.4 | 4270.2 | 4342.8 | 4430.5 | 4503.0 | 4596.8 | 4720.8 | 4793.4 | 4829.6 |
| 15° | 4224.8 | 4230.9 | 4261.1 | 4388.1 | 4497.0 | 4636.1 | 4702.6 | 4787.3 | 4856.9 | 4993.0 | 4996.0 |
| 17.5° | 4276.2 | 4309.5 | 4400.2 | 4542.4 | 4678.4 | 4811.5 | 4917.4 | 5005.1 | 5065.5 | 5120.0 | 5107.9 |
| 20° | 4469.8 | 4494.0 | 4587.7 | 4729.9 | 4932.5 | 5062.5 | 5098.8 | 5113.9 | 5153.2 | 5262.1 | 5228.8 |
| 22.5° | 4657.3 | 4666.3 | 4754.0 | 4971.8 | 5113.9 | 5286.3 | 5325.6 | 5316.5 | 5331.7 | 5358.9 | 5407.3 |
| 25° | 4850.8 | 4865.9 | 4986.9 | 5171.4 | 5371.0 | 5576.6 | 5609.9 | 5540.3 | 5519.2 | 5549.4 | 5552.4 |
| 27.5° | 5098.8 | 5101.8 | 5256.1 | 5416.3 | 5643.2 | 5836.7 | 5888.1 | 5833.7 | 5733.9 | 5758.1 | 5797.4 |
| 30° | 5413.3 | 5392.2 | 5546.4 | 5776.2 | 6015.1 | 6124.0 | 6211.7 | 6184.5 | 6075.6 | 6054.5 | 6021.2 |
| 32.5° | 5776.2 | 5782.3 | 5921.4 | 6172.4 | 6329.7 | 6511.1 | 6604.9 | 6559.5 | 6489.9 | 6453.6 | 6474.8 |
| 35° | 6287.3 | 6314.5 | 6408.3 | 6617.0 | 6871.0 | 6961.7 | 7109.9 | 7013.1 | 6831.7 | 6877.0 | 6916.3 |
| 37.5° | 6707.7 | 6786.3 | 6961.7 | 7209.7 | 7360.9 | 7527.2 | 7581.7 | 7451.6 | 7318.6 | 7264.1 | 7394.2 |
| 40° | 7351.8 | 7327.6 | 7521.2 | 7769.2 | 7993.0 | 8159.3 | 8089.7 | 7959.7 | 7630.1 | 7633.1 | 7669.4 |
| 42.5° | 7905.3 | 7917.4 | 8065.5 | 8361.9 | 8667.4 | 8770.2 | 8549.4 | 8231.9 | 7865.9 | 7826.6 | 7905.3 |
| 45° | 8371.0 | 8419.4 | 8504.1 | 8900.2 | 9199.6 | 9311.5 | 8903.2 | 8528.2 | 8038.3 | 7875.0 | 8005.1 |
| 47.5° | 8537.3 | 8616.0 | 8800.4 | 9163.3 | 9459.7 | 9550.4 | 9223.8 | 8685.5 | 8198.6 | 7932.5 | 8002.0 |
| 50° | 8561.5 | 8534.3 | 8836.7 | 9169.4 | 9429.5 | 9626.0 | 9338.7 | 8800.4 | 8159.3 | 8020.2 | 7999.0 |
| 52.5° | 7899.2 | 8032.3 | 8355.9 | 8812.5 | 9338.7 | 9653.3 | 9441.6 | 8863.9 | 8213.7 | 8056.5 | 8005.1 |
| 55° | 6393.2 | 6235.9 | 6825.6 | 7593.8 | 8561.5 | 9435.5 | 9405.3 | 8897.2 | 8247.0 | 8117.0 | 8047.4 |
| 57.5° | 3568.6 | 3613.9 | 3946.6 | 4781.3 | 6030.3 | 7481.9 | 8361.9 | 8546.4 | 8231.9 | 8156.3 | 8192.6 |
| 60° | 1651.2 | 1666.3 | 1808.5 | 2198.6 | 2972.8 | 4243.0 | 5401.2 | 6577.6 | 7119.0 | 7227.8 | 7227.8 |
| 62.5° | 1230.9 | 1224.8 | 1261.1 | 1330.6 | 1494.0 | 1950.6 | 2603.8 | 3538.3 | 4282.3 | 4802.4 | 4938.5 |
| 65° | 1112.9 | 1109.9 | 1128.0 | 1152.2 | 1164.3 | 1227.8 | 1373.0 | 1660.3 | 1902.2 | 2041.3 | 2017.1 |
| 67.5° | 973.8 | 970.8 | 976.8 | 991.9 | 1013.1 | 1046.4 | 1082.7 | 1143.1 | 1227.8 | 1221.8 | 1206.7 |
| 70° | 786.3 | 786.3 | 795.4 | 807.5 | 831.7 | 871.0 | 913.3 | 955.6 | 1028.2 | 1043.3 | 1040.3 |
| 72.5° | 580.6 | 571.6 | 589.7 | 613.9 | 638.1 | 686.5 | 731.9 | 771.2 | 822.6 | 837.7 | 831.7 |
| 75° | 369.0 | 375.0 | 387.1 | 414.3 | 456.7 | 489.9 | 538.3 | 571.6 | 604.8 | 616.9 | 620.0 |
| 77.5° | 205.6 | 211.7 | 232.9 | 266.1 | 308.5 | 344.8 | 387.1 | 414.3 | 435.5 | 438.5 | 441.5 |
| 80° | 124.0 | 127.0 | 148.2 | 178.4 | 214.7 | 254.0 | 287.3 | 314.5 | 332.7 | 323.6 | 320.6 |
| 82.5° | 75.6 | 78.6 | 96.8 | 124.0 | 154.2 | 184.5 | 220.8 | 245.0 | 263.1 | 251.0 | 238.9 |
| 85° | 39.3 | 42.3 | 57.5 | 75.6 | 99.8 | 114.9 | 114.9 | 102.8 | 99.8 | 93.8 | 90.7 |
| 87.5° | 12.1 | 12.1 | 15.1 | 18.1 | 15.1 | 18.1 | 21.2 | 24.2 | 24.2 | 27.2 | 24.2 |
| 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)