

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: P526176

Luminaire Tested: **GLAN-SA1A-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526176
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-SA1A-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

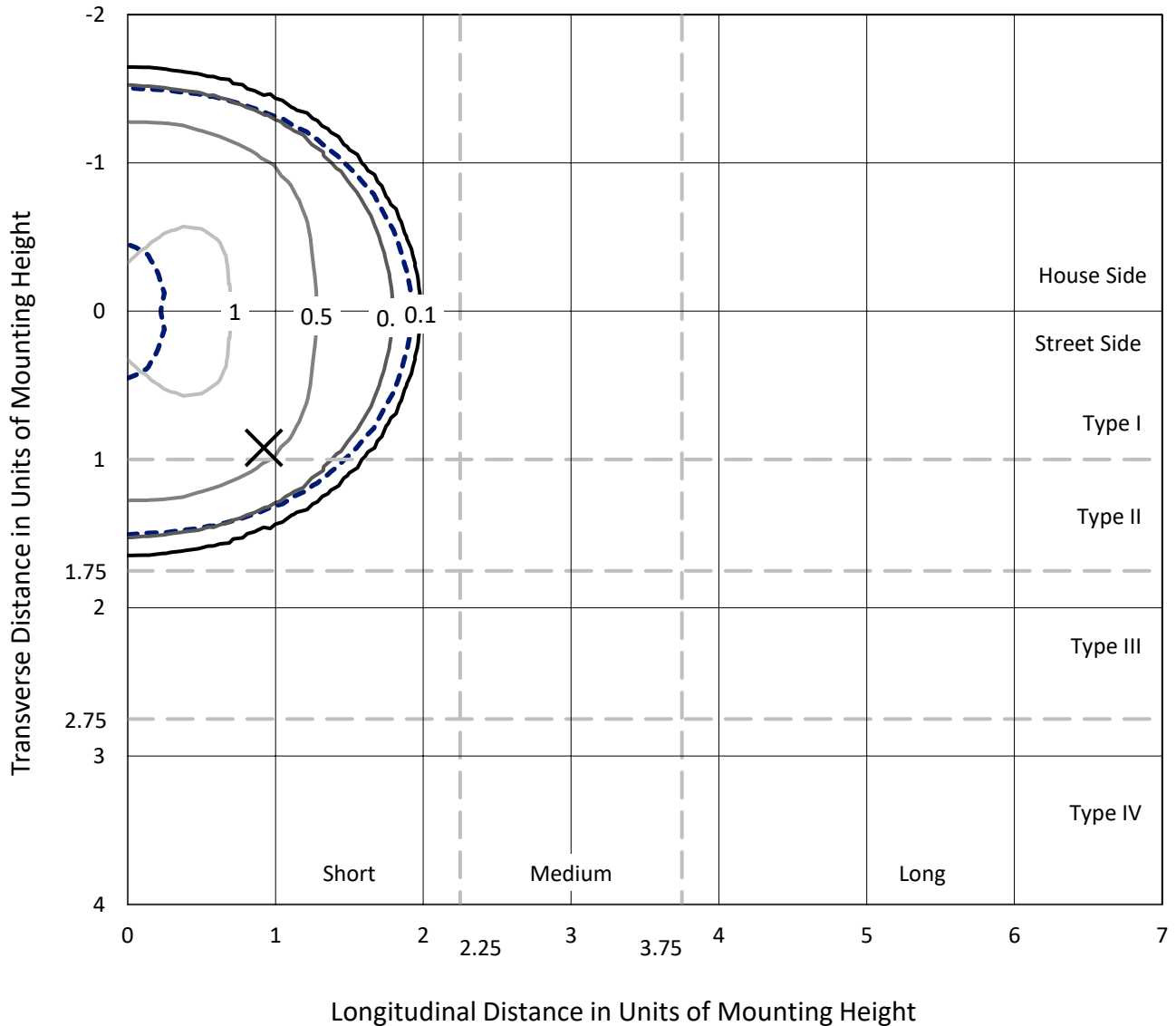
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526176
 CATALOG NUMBER: GLAN-SA1A-760-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

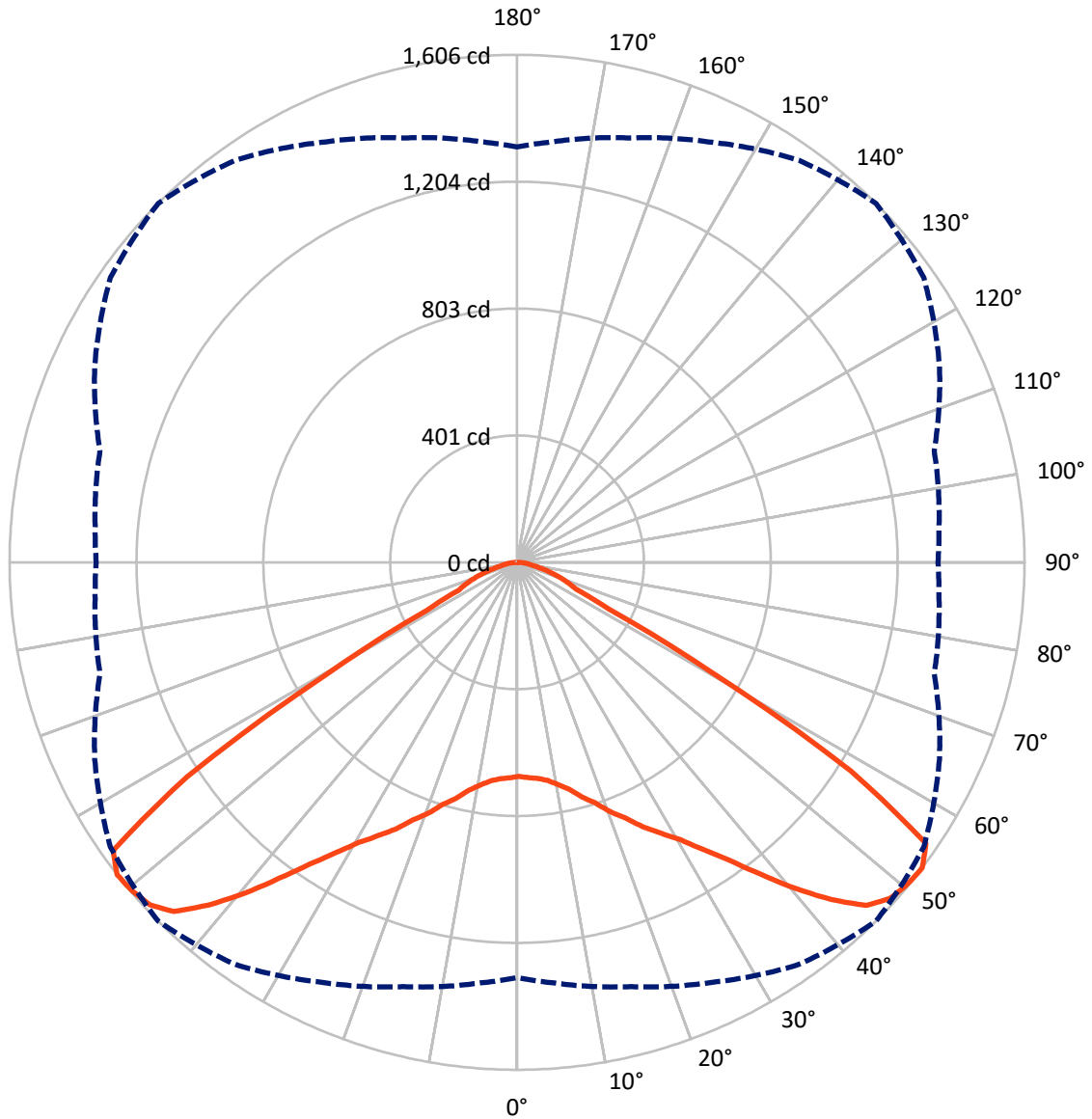
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P526176
CATALOG NUMBER: GLAN-SA1A-760-U-RW-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526176
 CATALOG NUMBER: GLAN-SA1A-760-U-RW-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2027.0 | 0.0 | 2027.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2027.0 | 0.0 | 2027.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4054.0 | 0.0 | 4054.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.6 | 1.6 |
| 10°-20° | 218.8 | 5.4 |
| 20°-30° | 416.5 | 10.3 |
| 30°-40° | 715.2 | 17.6 |
| 40°-50° | 1099.3 | 27.1 |
| 50°-60° | 1116.3 | 27.5 |
| 60°-70° | 311.1 | 7.7 |
| 70°-80° | 91.8 | 2.3 |
| 80°-90° | 18.5 | 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° | 4054.0 | 100.0 |
| 0°-180° | 4054.0 | 100.0 |

Coefficient of Utilization

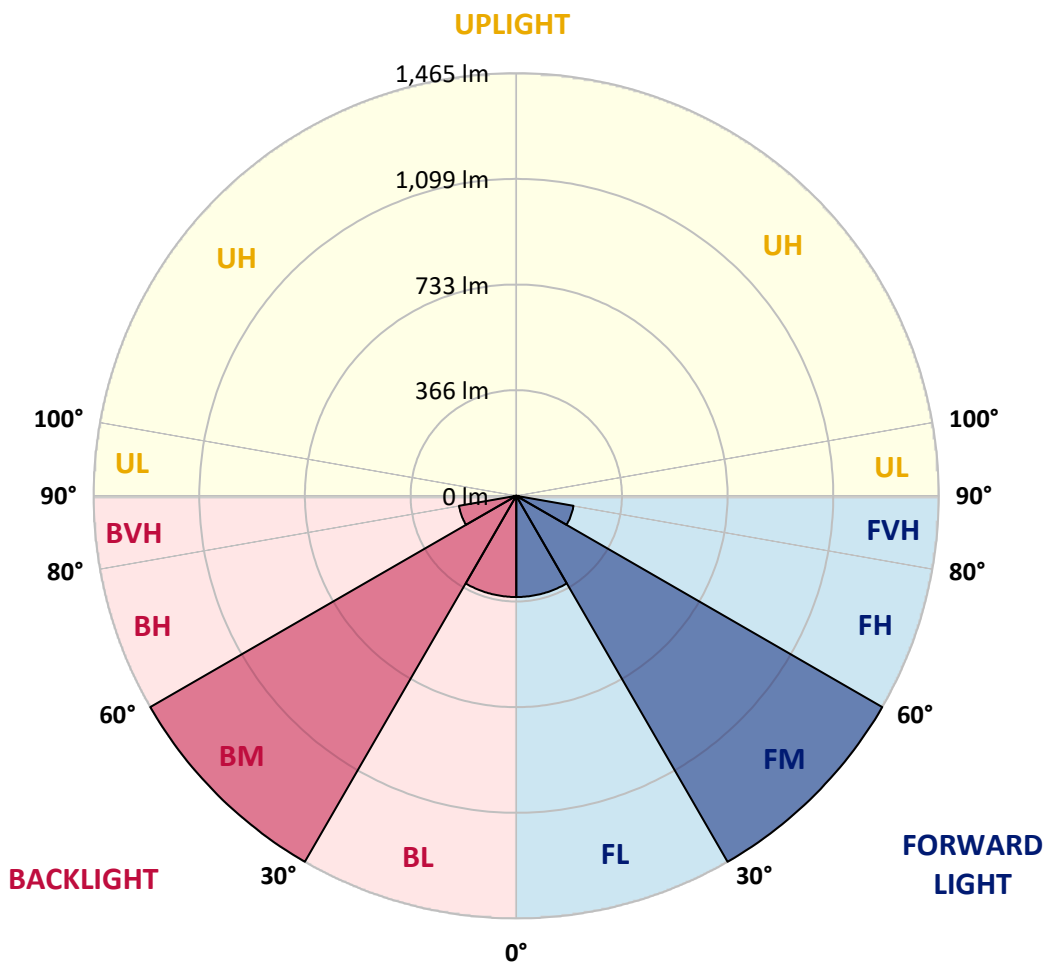


REPORT NUMBER: P526176
 CATALOG NUMBER: GLAN-SA1A-760-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 350.9 | 8.7 | | | |
| FM (30°-60°) | 1465.4 | 36.1 | | | |
| FH (60°-80°) | 201.4 | 5.0 | | | G0/660 |
| FVH (80°-90°) | 9.2 | 0.2 | | | G0/10 |
| BL (0°-30°) | 350.9 | 8.7 | B1/500 | | |
| BM (30°-60°) | 1465.4 | 36.1 | B2/2500 | | |
| BH (60°-80°) | 201.4 | 5.0 | B1/500 | | G0/660 |
| BVH (80°-90°) | 9.2 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G0
 Type V Short





REPORT NUMBER: P526176

CATALOG NUMBER: GLAN-SA1A-760-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 | 677.7 |
| 2.5° | 679.2 | 672.1 | 674.7 | 676.2 | 682.7 | 682.2 | 680.7 | 682.7 | 684.7 | 685.2 | 684.2 |
| 5° | 678.7 | 673.7 | 675.7 | 677.2 | 683.7 | 687.2 | 686.2 | 694.8 | 700.8 | 699.3 | 706.9 |
| 7.5° | 674.7 | 677.7 | 675.2 | 682.7 | 688.2 | 696.8 | 705.9 | 713.9 | 721.4 | 730.0 | 731.5 |
| 10° | 683.7 | 683.7 | 688.2 | 694.3 | 708.9 | 715.4 | 728.5 | 740.1 | 754.7 | 764.7 | 760.7 |
| 12.5° | 693.3 | 694.8 | 694.8 | 710.4 | 722.5 | 737.0 | 749.1 | 764.7 | 785.3 | 797.4 | 803.5 |
| 15° | 702.8 | 703.8 | 708.9 | 730.0 | 748.1 | 771.3 | 782.3 | 796.4 | 808.0 | 830.6 | 831.1 |
| 17.5° | 711.4 | 716.9 | 732.0 | 755.7 | 778.3 | 800.4 | 818.0 | 832.6 | 842.7 | 851.8 | 849.7 |
| 20° | 743.6 | 747.6 | 763.2 | 786.9 | 820.6 | 842.2 | 848.2 | 850.7 | 857.3 | 875.4 | 869.9 |
| 22.5° | 774.8 | 776.3 | 790.9 | 827.1 | 850.7 | 879.4 | 886.0 | 884.5 | 887.0 | 891.5 | 899.5 |
| 25° | 807.0 | 809.5 | 829.6 | 860.3 | 893.5 | 927.7 | 933.3 | 921.7 | 918.2 | 923.2 | 923.7 |
| 27.5° | 848.2 | 848.7 | 874.4 | 901.1 | 938.8 | 971.0 | 979.5 | 970.5 | 953.9 | 957.9 | 964.4 |
| 30° | 900.6 | 897.0 | 922.7 | 960.9 | 1000.7 | 1018.8 | 1033.4 | 1028.8 | 1010.7 | 1007.2 | 1001.7 |
| 32.5° | 960.9 | 961.9 | 985.1 | 1026.8 | 1053.0 | 1083.2 | 1098.8 | 1091.2 | 1079.7 | 1073.6 | 1077.1 |
| 35° | 1046.0 | 1050.5 | 1066.1 | 1100.8 | 1143.0 | 1158.1 | 1182.8 | 1166.7 | 1136.5 | 1144.1 | 1150.6 |
| 37.5° | 1115.9 | 1129.0 | 1158.1 | 1199.4 | 1224.6 | 1252.2 | 1261.3 | 1239.6 | 1217.5 | 1208.5 | 1230.1 |
| 40° | 1223.0 | 1219.0 | 1251.2 | 1292.5 | 1329.7 | 1357.4 | 1345.8 | 1324.2 | 1269.3 | 1269.8 | 1275.9 |
| 42.5° | 1315.1 | 1317.1 | 1341.8 | 1391.1 | 1441.9 | 1459.0 | 1422.3 | 1369.4 | 1308.6 | 1302.0 | 1315.1 |
| 45° | 1392.6 | 1400.6 | 1414.7 | 1480.6 | 1530.4 | 1549.1 | 1481.1 | 1418.8 | 1337.2 | 1310.1 | 1331.7 |
| 47.5° | 1420.3 | 1433.3 | 1464.0 | 1524.4 | 1573.7 | 1588.8 | 1534.5 | 1444.9 | 1363.9 | 1319.6 | 1331.2 |
| 50° | 1424.3 | 1419.8 | 1470.1 | 1525.4 | 1568.7 | 1601.4 | 1553.6 | 1464.0 | 1357.4 | 1334.2 | 1330.7 |
| 52.5° | 1314.1 | 1336.2 | 1390.1 | 1466.0 | 1553.6 | 1605.9 | 1570.7 | 1474.6 | 1366.4 | 1340.3 | 1331.7 |
| 55° | 1063.6 | 1037.4 | 1135.5 | 1263.3 | 1424.3 | 1569.7 | 1564.6 | 1480.1 | 1372.0 | 1350.3 | 1338.8 |
| 57.5° | 593.7 | 601.2 | 656.5 | 795.4 | 1003.2 | 1244.7 | 1391.1 | 1421.8 | 1369.4 | 1356.9 | 1362.9 |
| 60° | 274.7 | 277.2 | 300.9 | 365.8 | 494.6 | 705.9 | 898.5 | 1094.2 | 1184.3 | 1202.4 | 1202.4 |
| 62.5° | 204.8 | 203.8 | 209.8 | 221.4 | 248.5 | 324.5 | 433.2 | 588.6 | 712.4 | 798.9 | 821.6 |
| 65° | 185.1 | 184.6 | 187.7 | 191.7 | 193.7 | 204.3 | 228.4 | 276.2 | 316.5 | 339.6 | 335.6 |
| 67.5° | 162.0 | 161.5 | 162.5 | 165.0 | 168.5 | 174.1 | 180.1 | 190.2 | 204.3 | 203.3 | 200.7 |
| 70° | 130.8 | 130.8 | 132.3 | 134.3 | 138.4 | 144.9 | 151.9 | 159.0 | 171.1 | 173.6 | 173.1 |
| 72.5° | 96.6 | 95.1 | 98.1 | 102.1 | 106.2 | 114.2 | 121.8 | 128.3 | 136.8 | 139.4 | 138.4 |
| 75° | 61.4 | 62.4 | 64.4 | 68.9 | 76.0 | 81.5 | 89.6 | 95.1 | 100.6 | 102.6 | 103.1 |
| 77.5° | 34.2 | 35.2 | 38.7 | 44.3 | 51.3 | 57.4 | 64.4 | 68.9 | 72.4 | 72.9 | 73.5 |
| 80° | 20.6 | 21.1 | 24.7 | 29.7 | 35.7 | 42.3 | 47.8 | 52.3 | 55.3 | 53.8 | 53.3 |
| 82.5° | 12.6 | 13.1 | 16.1 | 20.6 | 25.7 | 30.7 | 36.7 | 40.8 | 43.8 | 41.8 | 39.7 |
| 85° | 6.5 | 7.0 | 9.6 | 12.6 | 16.6 | 19.1 | 19.1 | 17.1 | 16.6 | 15.6 | 15.1 |
| 87.5° | 2.0 | 2.0 | 2.5 | 3.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.0 | 4.5 | 4.0 |
| 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)