

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: P845891

Luminaire Tested: **GLAN-SB1B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5591 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

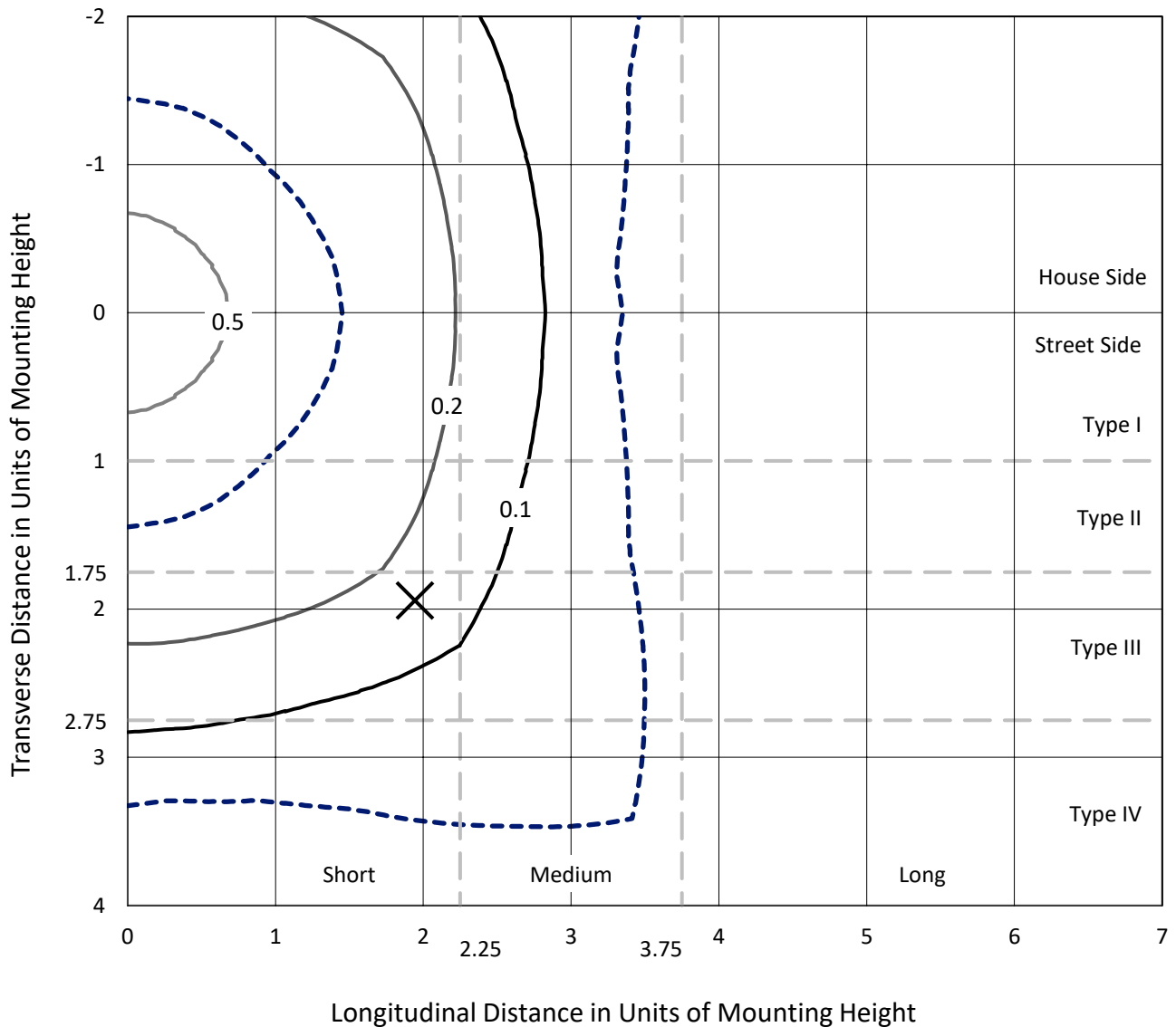
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

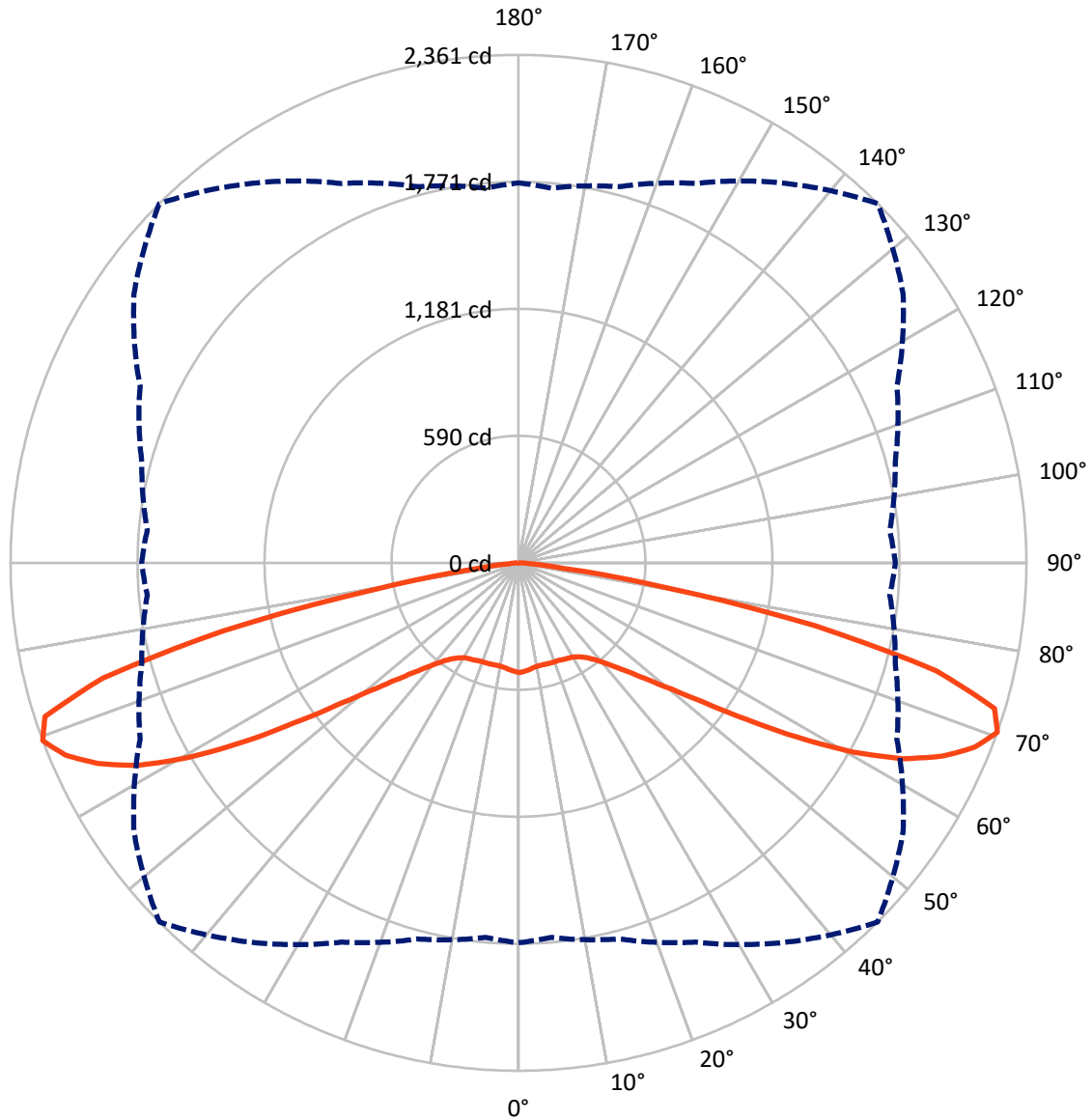
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2795.5 | 0.0 | 2795.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2795.5 | 0.0 | 2795.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5591.0 | 0.0 | 5591.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.4 | 0.8 |
| 10°-20° | 139.3 | 2.5 |
| 20°-30° | 231.8 | 4.1 |
| 30°-40° | 350.6 | 6.3 |
| 40°-50° | 582.6 | 10.4 |
| 50°-60° | 1099.3 | 19.7 |
| 60°-70° | 1856.3 | 33.2 |
| 70°-80° | 1219.8 | 21.8 |
| 80°-90° | 63.9 | 1.1 |
| 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° | 5591.0 | 100.0 |
| 0°-180° | 5591.0 | 100.0 |

Coefficient of Utilization



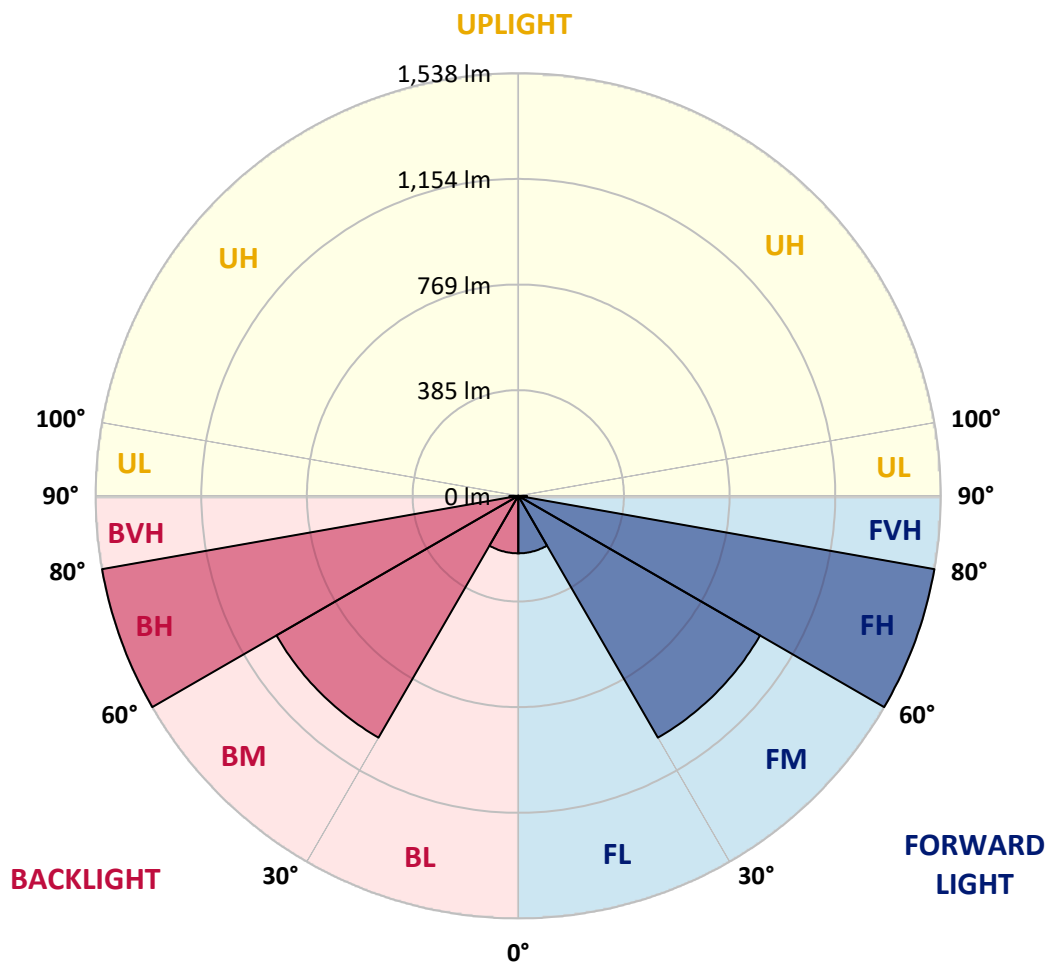
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 209.3 | 3.7 | | | |
| FM (30°-60°) | 1016.3 | 18.2 | | | |
| FH (60°-80°) | 1538.0 | 27.5 | | | G1/1800 |
| FVH (80°-90°) | 31.9 | 0.6 | | | G1/100 |
| BL (0°-30°) | 209.3 | 3.7 | B1/500 | | |
| BM (30°-60°) | 1016.3 | 18.2 | B2/2500 | | |
| BH (60°-80°) | 1538.0 | 27.5 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 31.9 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 | 510.0 |
| 2.5° | 506.8 | 508.3 | 507.7 | 506.5 | 506.5 | 505.7 | 506.5 | 507.1 | 508.0 | 508.6 |
| 5° | 500.1 | 501.3 | 501.0 | 500.1 | 500.4 | 499.5 | 500.1 | 501.0 | 501.6 | 501.9 |
| 7.5° | 494.3 | 495.5 | 494.9 | 493.4 | 493.4 | 492.6 | 492.9 | 493.7 | 494.6 | 494.9 |
| 10° | 492.9 | 494.0 | 492.3 | 490.0 | 489.1 | 487.9 | 488.2 | 489.1 | 490.8 | 491.7 |
| 12.5° | 493.4 | 494.3 | 492.6 | 489.1 | 488.2 | 487.1 | 487.1 | 487.9 | 490.3 | 491.4 |
| 15° | 495.2 | 496.1 | 493.4 | 489.7 | 488.8 | 487.9 | 487.6 | 488.8 | 491.4 | 493.4 |
| 17.5° | 498.4 | 499.3 | 495.2 | 490.0 | 488.8 | 489.1 | 488.8 | 489.7 | 493.7 | 497.5 |
| 20° | 501.3 | 501.9 | 496.4 | 490.0 | 488.8 | 489.1 | 488.8 | 490.5 | 495.8 | 501.0 |
| 22.5° | 502.2 | 502.7 | 497.5 | 492.0 | 491.1 | 491.4 | 491.1 | 492.9 | 497.8 | 503.0 |
| 25° | 502.5 | 503.3 | 499.3 | 494.9 | 496.4 | 496.9 | 496.4 | 496.6 | 500.4 | 505.1 |
| 27.5° | 506.8 | 508.0 | 504.2 | 500.4 | 501.3 | 501.0 | 501.9 | 502.7 | 505.7 | 510.3 |
| 30° | 515.8 | 516.7 | 513.5 | 509.7 | 509.1 | 507.1 | 509.7 | 512.6 | 515.8 | 519.9 |
| 32.5° | 530.6 | 532.4 | 528.3 | 524.3 | 521.6 | 520.5 | 522.5 | 527.4 | 531.8 | 536.2 |
| 35° | 555.3 | 556.5 | 552.7 | 545.2 | 540.5 | 540.5 | 542.3 | 548.7 | 555.6 | 561.2 |
| 37.5° | 590.2 | 591.7 | 585.0 | 576.0 | 569.0 | 569.0 | 571.3 | 578.0 | 588.5 | 596.3 |
| 40° | 632.6 | 634.7 | 626.3 | 617.0 | 610.3 | 609.1 | 612.0 | 619.6 | 629.5 | 639.3 |
| 42.5° | 683.8 | 686.1 | 675.1 | 666.9 | 661.7 | 661.7 | 663.2 | 670.1 | 679.1 | 691.3 |
| 45° | 749.2 | 753.2 | 738.1 | 730.0 | 725.1 | 726.2 | 727.1 | 733.2 | 741.3 | 755.3 |
| 47.5° | 827.1 | 831.1 | 815.1 | 806.7 | 805.8 | 811.4 | 807.9 | 812.2 | 816.6 | 832.6 |
| 50° | 915.4 | 922.4 | 911.3 | 910.8 | 912.5 | 922.7 | 914.5 | 916.9 | 911.9 | 922.1 |
| 52.5° | 1023.5 | 1033.7 | 1031.6 | 1035.1 | 1054.6 | 1075.5 | 1056.9 | 1048.8 | 1030.2 | 1033.4 |
| 55° | 1154.6 | 1170.0 | 1172.9 | 1193.8 | 1238.0 | 1280.7 | 1241.2 | 1208.3 | 1168.8 | 1161.5 |
| 57.5° | 1303.7 | 1315.9 | 1329.8 | 1372.5 | 1455.1 | 1530.9 | 1455.1 | 1382.4 | 1320.2 | 1305.4 |
| 60° | 1464.1 | 1479.2 | 1492.5 | 1555.6 | 1678.2 | 1784.9 | 1675.9 | 1560.5 | 1478.3 | 1458.3 |
| 62.5° | 1636.4 | 1655.9 | 1665.2 | 1735.2 | 1878.2 | 2005.5 | 1880.2 | 1740.4 | 1649.2 | 1627.7 |
| 65° | 1801.8 | 1817.7 | 1828.2 | 1902.9 | 2039.5 | 2167.0 | 2048.8 | 1911.0 | 1817.2 | 1789.0 |
| 67.5° | 1878.8 | 1887.5 | 1913.1 | 1997.6 | 2141.8 | 2287.4 | 2166.2 | 2006.6 | 1901.7 | 1852.3 |
| 70° | 1766.0 | 1748.3 | 1809.9 | 1945.3 | 2154.0 | 2361.2 | 2181.9 | 1941.2 | 1812.8 | 1732.6 |
| 72.5° | 1364.7 | 1334.2 | 1441.1 | 1672.7 | 2014.5 | 2314.1 | 2028.4 | 1685.8 | 1507.7 | 1344.9 |
| 75° | 742.5 | 707.9 | 855.5 | 1148.5 | 1606.5 | 2005.8 | 1643.4 | 1181.3 | 952.6 | 737.0 |
| 77.5° | 209.5 | 196.4 | 315.6 | 555.6 | 966.3 | 1408.3 | 1003.5 | 567.8 | 374.3 | 222.0 |
| 80° | 64.2 | 62.2 | 84.3 | 167.4 | 410.3 | 674.5 | 394.4 | 169.4 | 107.2 | 67.7 |
| 82.5° | 38.1 | 34.9 | 41.8 | 61.0 | 104.6 | 211.9 | 101.7 | 63.6 | 51.1 | 34.3 |
| 85° | 21.8 | 20.3 | 24.7 | 29.6 | 35.2 | 45.0 | 29.4 | 30.2 | 27.3 | 18.3 |
| 87.5° | 9.0 | 8.1 | 9.6 | 9.3 | 8.1 | 10.5 | 7.8 | 9.3 | 11.0 | 7.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 510.0 |
| 508.3 |
| 501.9 |
| 494.9 |
| 491.7 |
| 491.7 |
| 493.7 |
| 497.5 |
| 501.3 |
| 503.0 |
| 504.8 |
| 509.1 |
| 519.0 |
| 534.4 |
| 559.1 |
| 593.4 |
| 636.1 |
| 690.5 |
| 754.7 |
| 827.9 |
| 916.0 |
| 1022.6 |
| 1150.2 |
| 1294.9 |
| 1440.8 |
| 1610.2 |
| 1775.0 |
| 1852.9 |
| 1751.8 |
| 1385.3 |
| 784.9 |
| 246.7 |
| 71.5 |
| 37.2 |
| 19.2 |
| 6.7 |
| 0.0 |

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