

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: P846054

Luminaire Tested: **GLAN-SB1C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7159 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

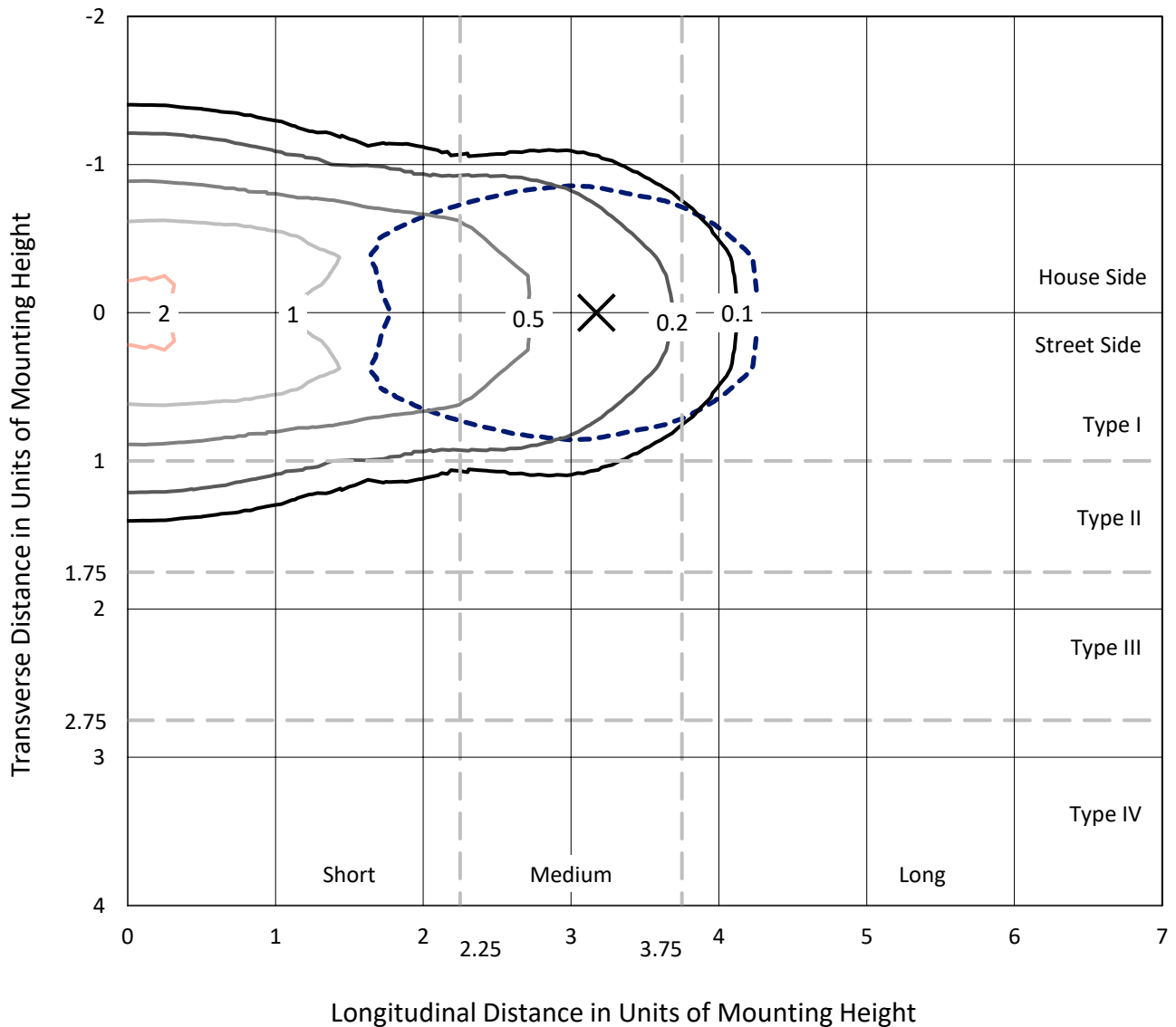
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

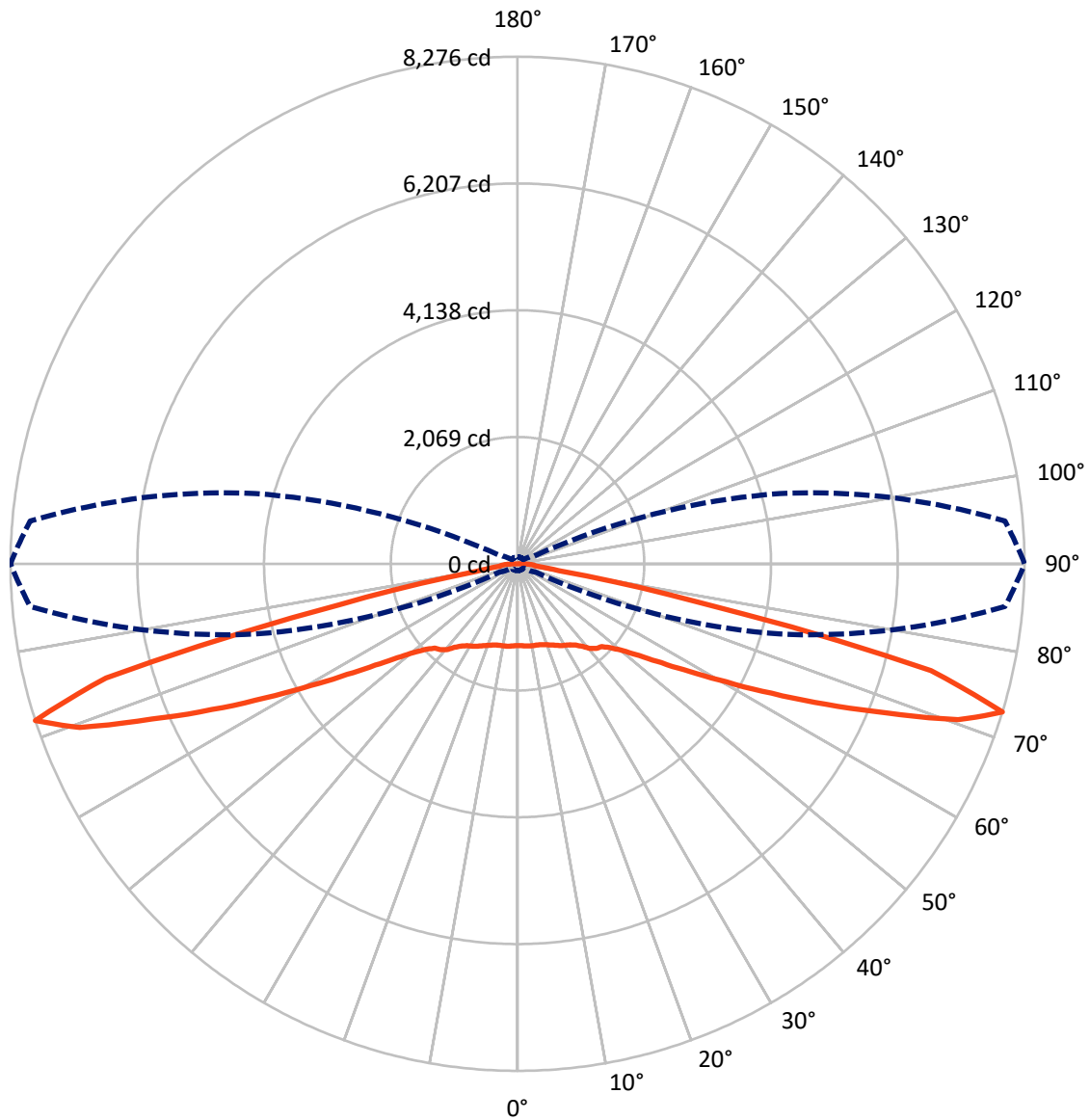
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3579.5 | 0.0 | 3579.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3579.5 | 0.0 | 3579.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7159.0 | 0.0 | 7159.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.7 | 1.8 |
| 10°-20° | 396.6 | 5.5 |
| 20°-30° | 661.3 | 9.2 |
| 30°-40° | 909.5 | 12.7 |
| 40°-50° | 1110.7 | 15.5 |
| 50°-60° | 1284.7 | 17.9 |
| 60°-70° | 1531.8 | 21.4 |
| 70°-80° | 1069.1 | 14.9 |
| 80°-90° | 65.7 | 0.9 |
| 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° | 7159.0 | 100.0 |
| 0°-180° | 7159.0 | 100.0 |

Coefficient of Utilization



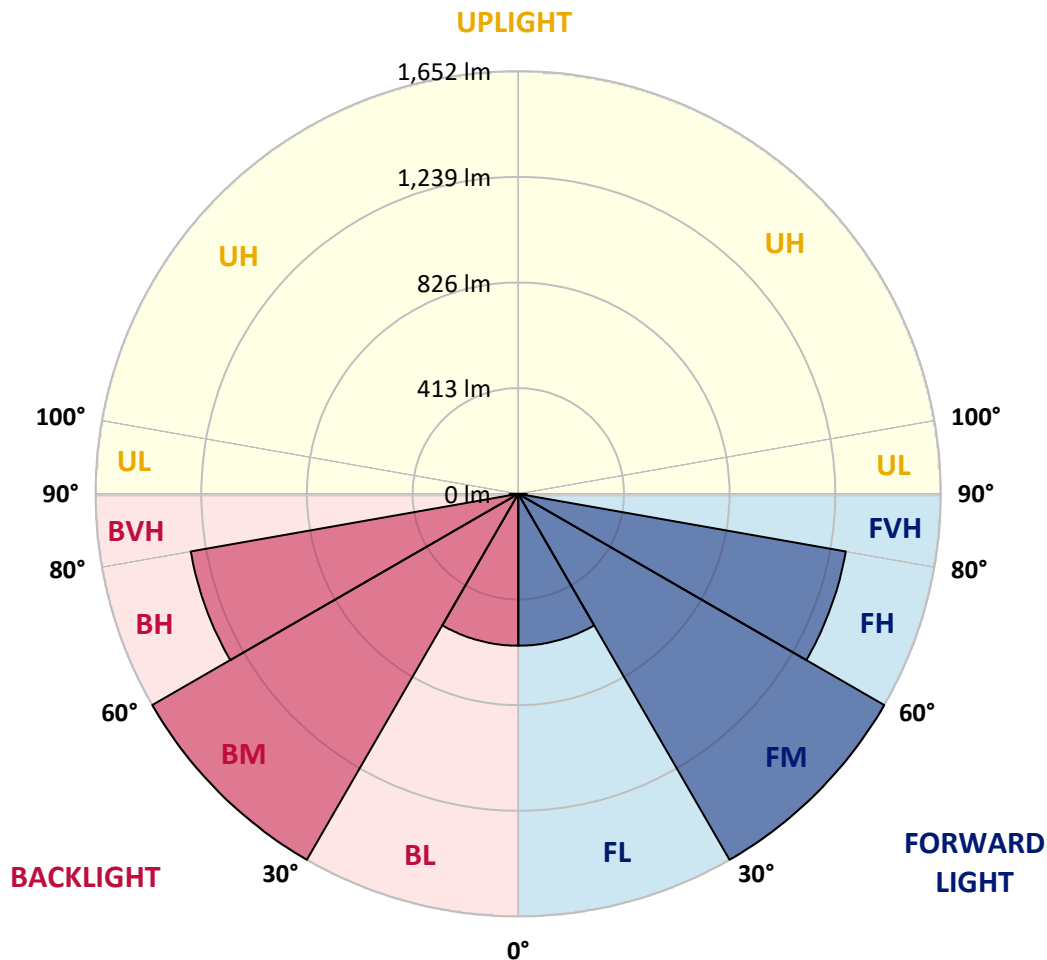
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 593.8 | 8.3 | | | |
| FM (30°-60°) | 1652.4 | 23.1 | | | |
| FH (60°-80°) | 1300.4 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 32.8 | 0.5 | | | G1/100 |
| BL (0°-30°) | 593.8 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 1652.4 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1300.4 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 32.8 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 | 1337.7 |
| 2.5° | 1338.9 | 1340.4 | 1340.4 | 1339.3 | 1341.9 | 1339.6 | 1339.6 | 1338.5 | 1339.6 | 1338.5 |
| 5° | 1345.7 | 1347.6 | 1348.4 | 1348.0 | 1351.4 | 1349.5 | 1349.5 | 1348.0 | 1348.4 | 1347.2 |
| 7.5° | 1358.7 | 1361.3 | 1362.8 | 1364.7 | 1369.7 | 1367.4 | 1365.9 | 1361.3 | 1359.4 | 1356.4 |
| 10° | 1362.8 | 1365.9 | 1370.8 | 1380.7 | 1392.1 | 1392.5 | 1388.0 | 1376.5 | 1367.8 | 1360.9 |
| 12.5° | 1349.9 | 1354.1 | 1364.4 | 1384.5 | 1410.0 | 1420.3 | 1413.1 | 1394.0 | 1376.9 | 1364.7 |
| 15° | 1333.5 | 1338.1 | 1353.7 | 1384.2 | 1421.8 | 1445.8 | 1445.0 | 1419.9 | 1392.5 | 1373.5 |
| 17.5° | 1308.1 | 1312.6 | 1335.1 | 1377.7 | 1431.0 | 1470.5 | 1481.2 | 1455.3 | 1416.9 | 1391.4 |
| 20° | 1262.0 | 1266.2 | 1297.4 | 1357.1 | 1434.0 | 1496.8 | 1524.5 | 1501.7 | 1453.8 | 1419.2 |
| 22.5° | 1202.3 | 1208.8 | 1245.3 | 1321.8 | 1426.8 | 1524.2 | 1574.0 | 1558.4 | 1496.8 | 1448.8 |
| 25° | 1138.4 | 1145.2 | 1187.8 | 1278.4 | 1408.1 | 1543.9 | 1632.6 | 1622.7 | 1545.5 | 1485.7 |
| 27.5° | 1083.2 | 1090.4 | 1136.8 | 1235.4 | 1379.2 | 1551.6 | 1690.4 | 1695.4 | 1604.4 | 1526.4 |
| 30° | 1039.8 | 1046.7 | 1096.1 | 1200.8 | 1341.9 | 1543.9 | 1741.0 | 1775.3 | 1664.6 | 1561.8 |
| 32.5° | 992.3 | 1001.0 | 1053.1 | 1158.5 | 1297.8 | 1525.7 | 1785.2 | 1861.6 | 1734.2 | 1599.9 |
| 35° | 932.2 | 940.1 | 994.9 | 1100.7 | 1240.0 | 1496.4 | 1822.1 | 1957.5 | 1833.9 | 1657.7 |
| 37.5° | 859.1 | 866.7 | 921.1 | 1028.4 | 1182.5 | 1455.3 | 1850.2 | 2065.6 | 1952.6 | 1741.0 |
| 40° | 785.7 | 792.9 | 843.9 | 947.8 | 1113.6 | 1402.8 | 1860.1 | 2171.3 | 2088.8 | 1855.6 |
| 42.5° | 718.3 | 724.8 | 771.6 | 868.2 | 1036.4 | 1335.8 | 1847.2 | 2263.4 | 2210.9 | 1935.5 |
| 45° | 656.3 | 662.0 | 703.5 | 793.7 | 956.1 | 1254.4 | 1808.4 | 2362.3 | 2356.3 | 1992.5 |
| 47.5° | 585.5 | 591.3 | 634.2 | 721.4 | 875.8 | 1158.9 | 1742.6 | 2459.7 | 2558.3 | 2121.9 |
| 50° | 499.2 | 504.1 | 548.3 | 638.0 | 792.5 | 1057.3 | 1651.2 | 2536.2 | 2813.2 | 2317.8 |
| 52.5° | 396.8 | 402.2 | 445.2 | 534.9 | 693.6 | 948.1 | 1531.0 | 2586.1 | 3107.7 | 2603.9 |
| 55° | 295.2 | 299.0 | 336.3 | 417.0 | 571.1 | 823.7 | 1380.3 | 2600.1 | 3441.7 | 2995.1 |
| 57.5° | 214.2 | 216.5 | 240.5 | 300.6 | 433.0 | 668.1 | 1197.3 | 2563.6 | 3839.3 | 3496.5 |
| 60° | 173.5 | 174.3 | 181.5 | 208.1 | 301.0 | 492.3 | 976.3 | 2438.1 | 4270.8 | 4142.9 |
| 62.5° | 157.5 | 157.5 | 159.4 | 166.6 | 203.6 | 324.9 | 708.8 | 2177.8 | 4733.4 | 4959.8 |
| 65° | 146.5 | 146.5 | 147.2 | 150.7 | 160.6 | 207.0 | 447.4 | 1754.0 | 5123.4 | 5916.7 |
| 67.5° | 136.6 | 137.0 | 136.6 | 137.7 | 143.4 | 152.9 | 259.5 | 1211.4 | 5333.4 | 6908.2 |
| 70° | 126.3 | 127.1 | 125.2 | 125.2 | 129.7 | 130.1 | 162.5 | 664.3 | 5159.2 | 7739.2 |
| 72.5° | 114.1 | 115.3 | 112.2 | 111.5 | 114.9 | 113.4 | 122.1 | 318.8 | 4429.4 | 7987.2 |
| 75° | 103.5 | 105.0 | 98.2 | 96.3 | 96.3 | 95.1 | 99.3 | 163.6 | 2874.8 | 6515.6 |
| 77.5° | 94.0 | 97.0 | 86.0 | 79.9 | 78.4 | 75.0 | 81.0 | 100.1 | 1257.5 | 3059.0 |
| 80° | 77.6 | 81.8 | 70.8 | 63.5 | 60.9 | 57.1 | 63.9 | 70.0 | 374.0 | 710.3 |
| 82.5° | 57.8 | 59.7 | 50.2 | 45.3 | 43.0 | 40.3 | 47.9 | 48.7 | 121.8 | 251.5 |
| 85° | 36.9 | 37.7 | 30.8 | 26.6 | 25.5 | 24.4 | 30.4 | 26.6 | 46.4 | 184.9 |
| 87.5° | 12.9 | 14.8 | 11.8 | 10.7 | 11.4 | 9.5 | 14.1 | 8.0 | 12.9 | 130.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1337.7
1338.5
1347.2
1356.4
1359.8
1362.8
1370.5
1387.2
1412.7
1440.1
1473.6
1513.5
1543.2
1576.3
1631.5
1706.0
1818.3
1887.5
1927.8
2047.3
2224.2
2488.7
2850.9
3315.0
3914.3
4653.5
5529.4
6490.1
7629.2
8276.4
6969.1
2995.4
680.3
284.2
268.6
161.7
0.0

OF REPORT)