

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: P845884

Luminaire Tested: **GLAN-SB1B-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845884
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-SB1B-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5383 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

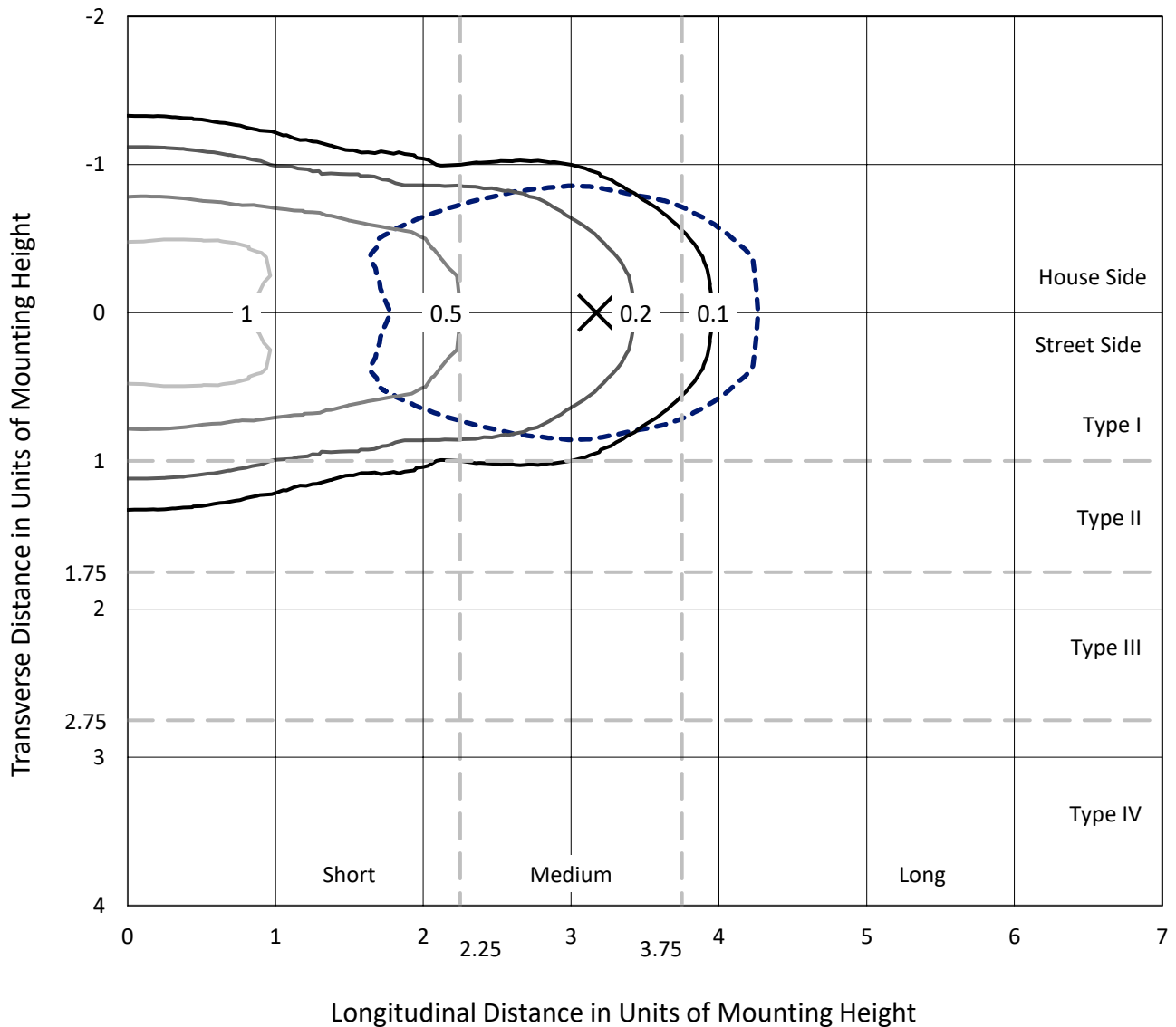
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

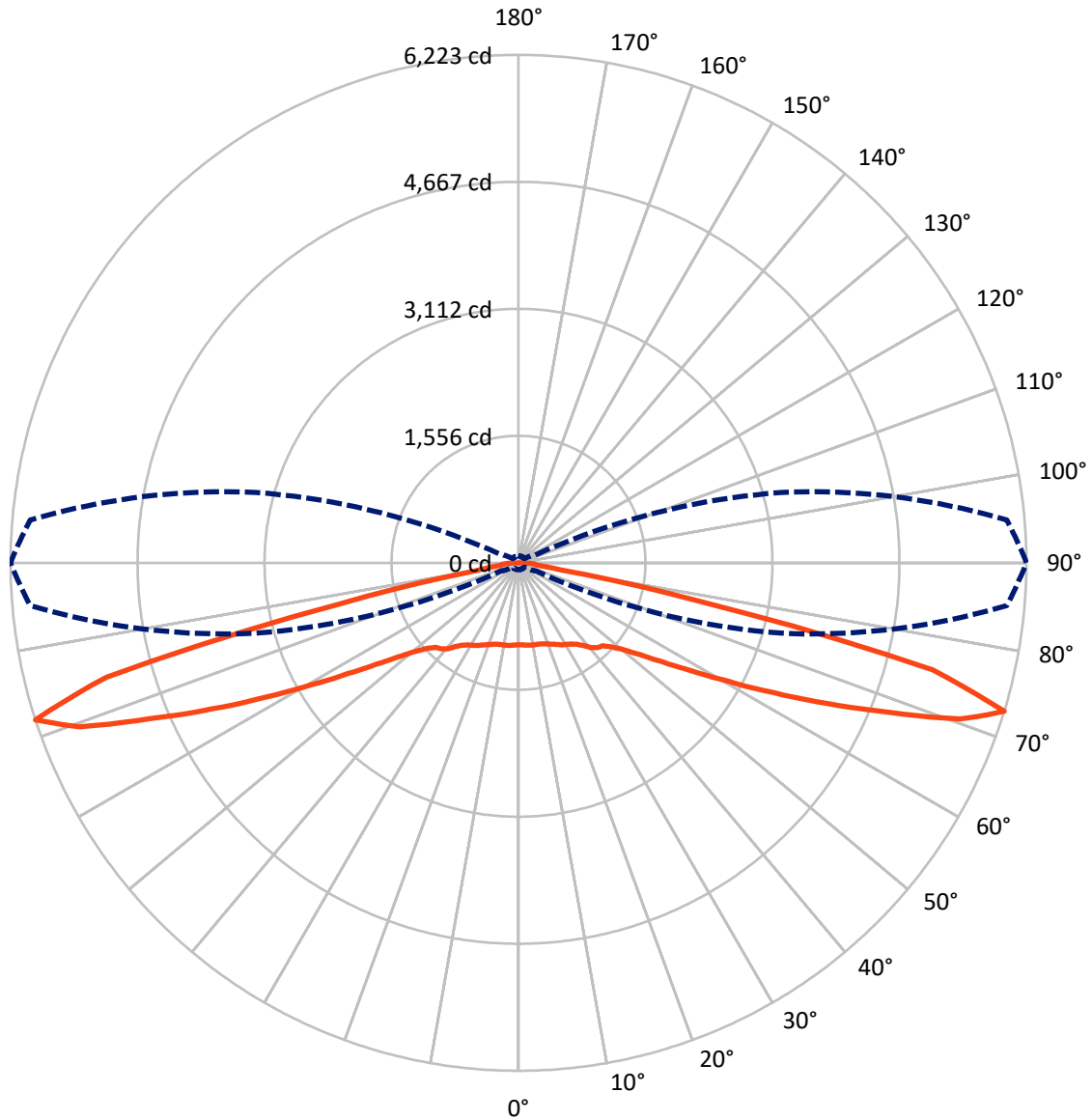
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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 | 2691.5 | 0.0 | 2691.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2691.5 | 0.0 | 2691.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5383.0 | 0.0 | 5383.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.5 | 1.8 |
| 10°-20° | 298.2 | 5.5 |
| 20°-30° | 497.2 | 9.2 |
| 30°-40° | 683.9 | 12.7 |
| 40°-50° | 835.2 | 15.5 |
| 50°-60° | 966.0 | 17.9 |
| 60°-70° | 1151.8 | 21.4 |
| 70°-80° | 803.9 | 14.9 |
| 80°-90° | 49.4 | 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° | 5383.0 | 100.0 |
| 0°-180° | 5383.0 | 100.0 |

Coefficient of Utilization

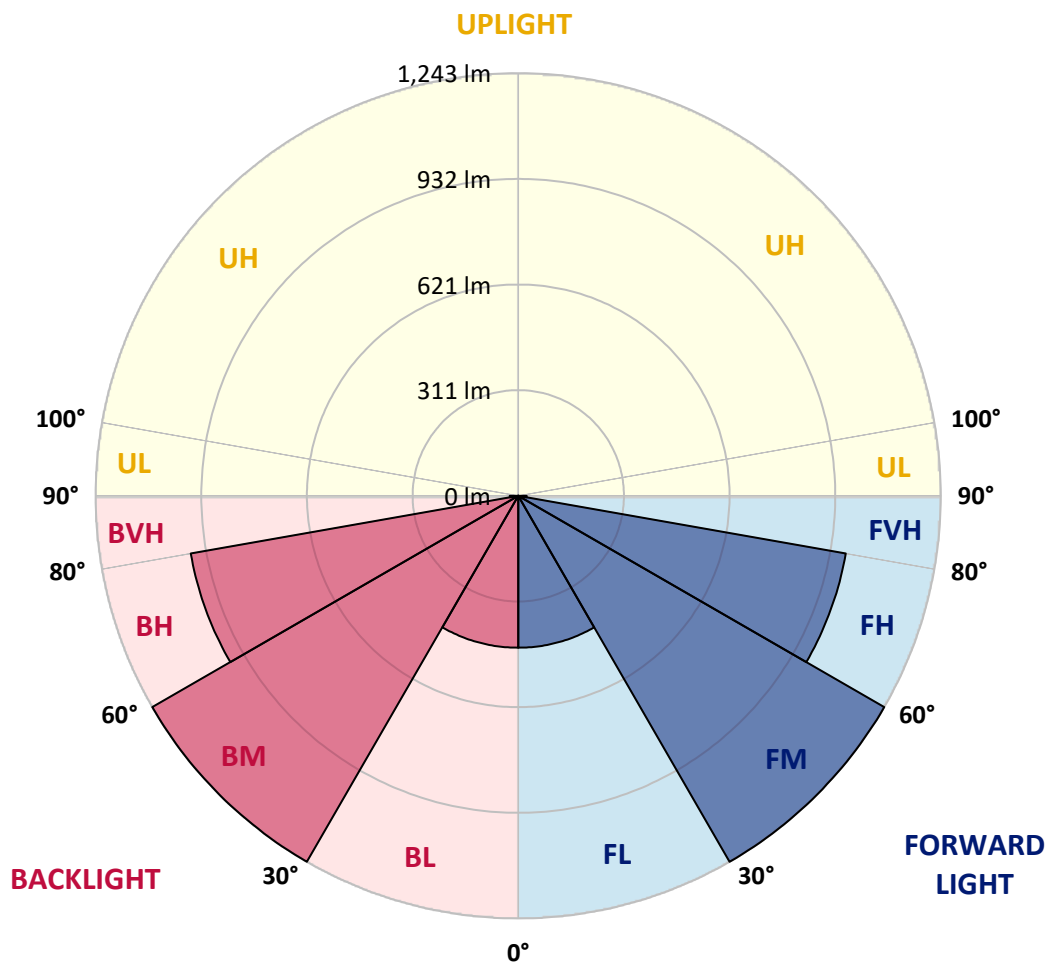


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 446.5 | 8.3 | | | |
| FM (30°-60°) | 1242.5 | 23.1 | | | |
| FH (60°-80°) | 977.8 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 24.7 | 0.5 | | | G1/100 |
| BL (0°-30°) | 446.5 | 8.3 | B1/500 | | |
| BM (30°-60°) | 1242.5 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 977.8 | 18.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 24.7 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 |
| 2.5° | 1006.7 | 1007.9 | 1007.9 | 1007.0 | 1009.0 | 1007.3 | 1007.3 | 1006.4 | 1007.3 | 1006.4 |
| 5° | 1011.9 | 1013.3 | 1013.9 | 1013.6 | 1016.2 | 1014.7 | 1014.7 | 1013.6 | 1013.9 | 1013.0 |
| 7.5° | 1021.6 | 1023.6 | 1024.8 | 1026.2 | 1029.9 | 1028.2 | 1027.0 | 1023.6 | 1022.2 | 1019.9 |
| 10° | 1024.8 | 1027.0 | 1030.8 | 1038.2 | 1046.8 | 1047.1 | 1043.6 | 1035.1 | 1028.5 | 1023.3 |
| 12.5° | 1015.0 | 1018.2 | 1025.9 | 1041.1 | 1060.2 | 1068.0 | 1062.5 | 1048.2 | 1035.3 | 1026.2 |
| 15° | 1002.7 | 1006.2 | 1017.9 | 1040.8 | 1069.1 | 1087.1 | 1086.5 | 1067.7 | 1047.1 | 1032.8 |
| 17.5° | 983.6 | 987.0 | 1003.9 | 1035.9 | 1076.0 | 1105.7 | 1113.7 | 1094.3 | 1065.4 | 1046.2 |
| 20° | 948.9 | 952.1 | 975.5 | 1020.5 | 1078.2 | 1125.5 | 1146.3 | 1129.2 | 1093.1 | 1067.1 |
| 22.5° | 904.0 | 908.9 | 936.4 | 993.9 | 1072.8 | 1146.1 | 1183.5 | 1171.8 | 1125.5 | 1089.4 |
| 25° | 856.0 | 861.1 | 893.2 | 961.2 | 1058.8 | 1160.9 | 1227.6 | 1220.1 | 1162.1 | 1117.2 |
| 27.5° | 814.5 | 819.9 | 854.8 | 928.9 | 1037.1 | 1166.6 | 1271.1 | 1274.8 | 1206.4 | 1147.8 |
| 30° | 781.9 | 787.0 | 824.2 | 902.9 | 1009.0 | 1160.9 | 1309.1 | 1334.9 | 1251.6 | 1174.4 |
| 32.5° | 746.1 | 752.7 | 791.9 | 871.1 | 975.8 | 1147.2 | 1342.3 | 1399.8 | 1304.0 | 1203.0 |
| 35° | 700.9 | 706.9 | 748.1 | 827.6 | 932.3 | 1125.2 | 1370.1 | 1471.9 | 1378.9 | 1246.5 |
| 37.5° | 646.0 | 651.7 | 692.6 | 773.3 | 889.1 | 1094.3 | 1391.2 | 1553.1 | 1468.2 | 1309.1 |
| 40° | 590.8 | 596.2 | 634.5 | 712.6 | 837.4 | 1054.8 | 1398.7 | 1632.7 | 1570.6 | 1395.2 |
| 42.5° | 540.1 | 545.0 | 580.2 | 652.8 | 779.3 | 1004.4 | 1388.9 | 1701.9 | 1662.4 | 1455.3 |
| 45° | 493.5 | 497.8 | 529.0 | 596.8 | 718.9 | 943.2 | 1359.8 | 1776.3 | 1771.7 | 1498.2 |
| 47.5° | 440.3 | 444.6 | 476.9 | 542.4 | 658.6 | 871.4 | 1310.3 | 1849.5 | 1923.6 | 1595.5 |
| 50° | 375.3 | 379.1 | 412.2 | 479.8 | 595.9 | 795.0 | 1241.6 | 1907.0 | 2115.3 | 1742.8 |
| 52.5° | 298.4 | 302.4 | 334.7 | 402.2 | 521.5 | 712.9 | 1151.2 | 1944.5 | 2336.7 | 1958.0 |
| 55° | 222.0 | 224.9 | 252.9 | 313.5 | 429.4 | 619.4 | 1037.9 | 1955.1 | 2587.9 | 2252.1 |
| 57.5° | 161.1 | 162.8 | 180.8 | 226.0 | 325.6 | 502.4 | 900.3 | 1927.6 | 2886.9 | 2629.1 |
| 60° | 130.5 | 131.0 | 136.5 | 156.5 | 226.3 | 370.2 | 734.1 | 1833.2 | 3211.3 | 3115.2 |
| 62.5° | 118.4 | 118.4 | 119.9 | 125.3 | 153.1 | 244.3 | 533.0 | 1637.5 | 3559.2 | 3729.4 |
| 65° | 110.1 | 110.1 | 110.7 | 113.3 | 120.7 | 155.6 | 336.4 | 1318.8 | 3852.4 | 4448.9 |
| 67.5° | 102.7 | 103.0 | 102.7 | 103.6 | 107.9 | 115.0 | 195.1 | 910.9 | 4010.3 | 5194.4 |
| 70° | 95.0 | 95.6 | 94.1 | 94.1 | 97.6 | 97.8 | 122.2 | 499.5 | 3879.3 | 5819.2 |
| 72.5° | 85.8 | 86.7 | 84.4 | 83.8 | 86.4 | 85.3 | 91.8 | 239.7 | 3330.6 | 6005.8 |
| 75° | 77.8 | 79.0 | 73.8 | 72.4 | 72.4 | 71.5 | 74.7 | 123.0 | 2161.6 | 4899.2 |
| 77.5° | 70.7 | 73.0 | 64.7 | 60.1 | 58.9 | 56.4 | 60.9 | 75.2 | 945.5 | 2300.1 |
| 80° | 58.4 | 61.5 | 53.2 | 47.8 | 45.8 | 42.9 | 48.1 | 52.6 | 281.2 | 534.1 |
| 82.5° | 43.5 | 44.9 | 37.8 | 34.0 | 32.3 | 30.3 | 36.0 | 36.6 | 91.5 | 189.1 |
| 85° | 27.8 | 28.3 | 23.2 | 20.0 | 19.2 | 18.3 | 22.9 | 20.0 | 34.9 | 139.0 |
| 87.5° | 9.7 | 11.2 | 8.9 | 8.0 | 8.6 | 7.2 | 10.6 | 6.0 | 9.7 | 98.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1005.9
1006.4
1013.0
1019.9
1022.5
1024.8
1030.5
1043.1
1062.2
1082.8
1108.0
1138.0
1160.4
1185.2
1226.7
1282.8
1367.2
1419.3
1449.6
1539.4
1672.4
1871.3
2143.6
2492.6
2943.2
3499.1
4157.7
4880.0
5736.6
6223.2
5240.2
2252.3
511.5
213.7
202.0
121.6
0.0

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