

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207889

Luminaire Tested: UPW-SA1-030-750-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5000 lumens
Efficiency: N/A
Efficacy: 147.1 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): 34
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: 28.75 FT

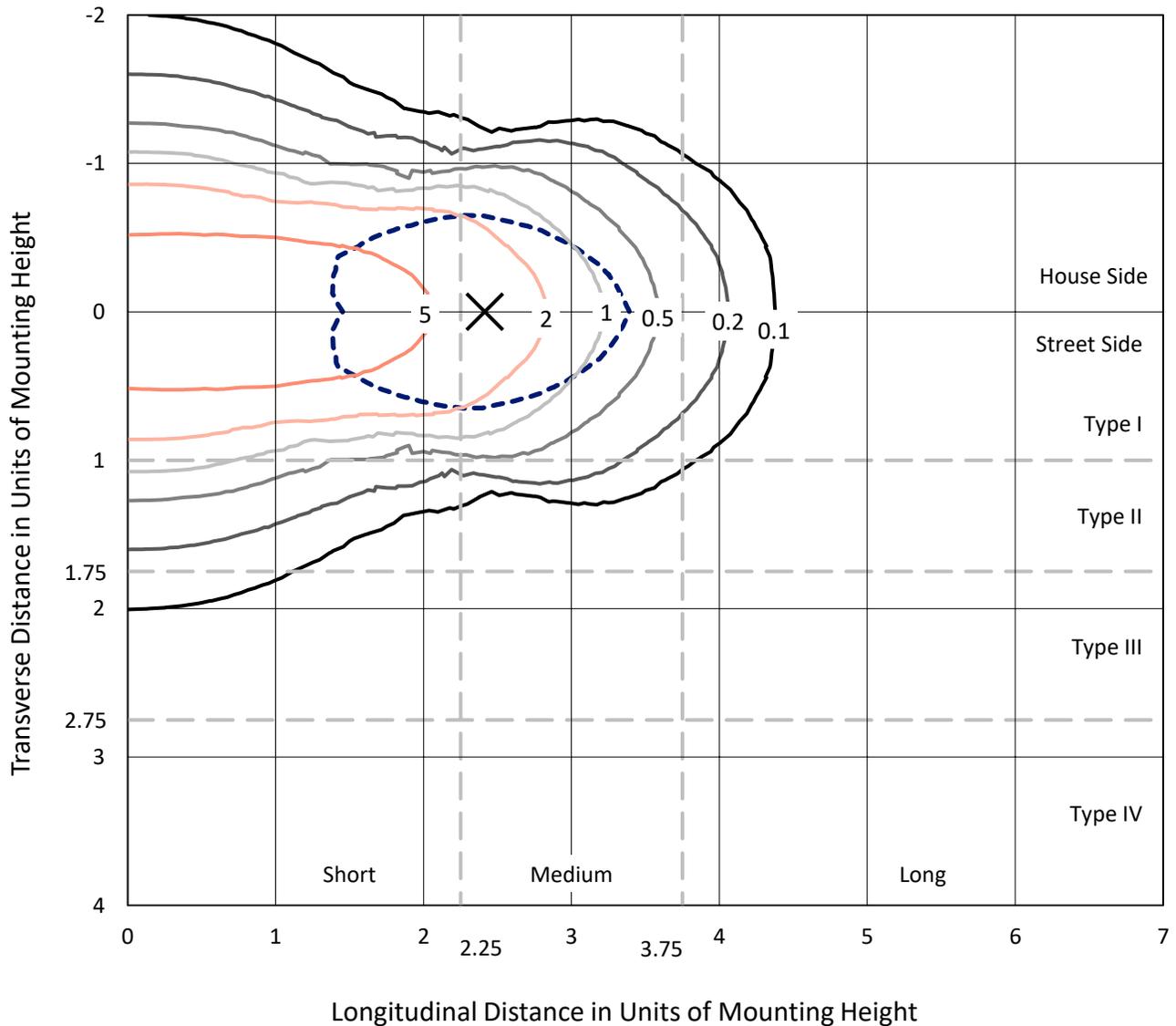


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

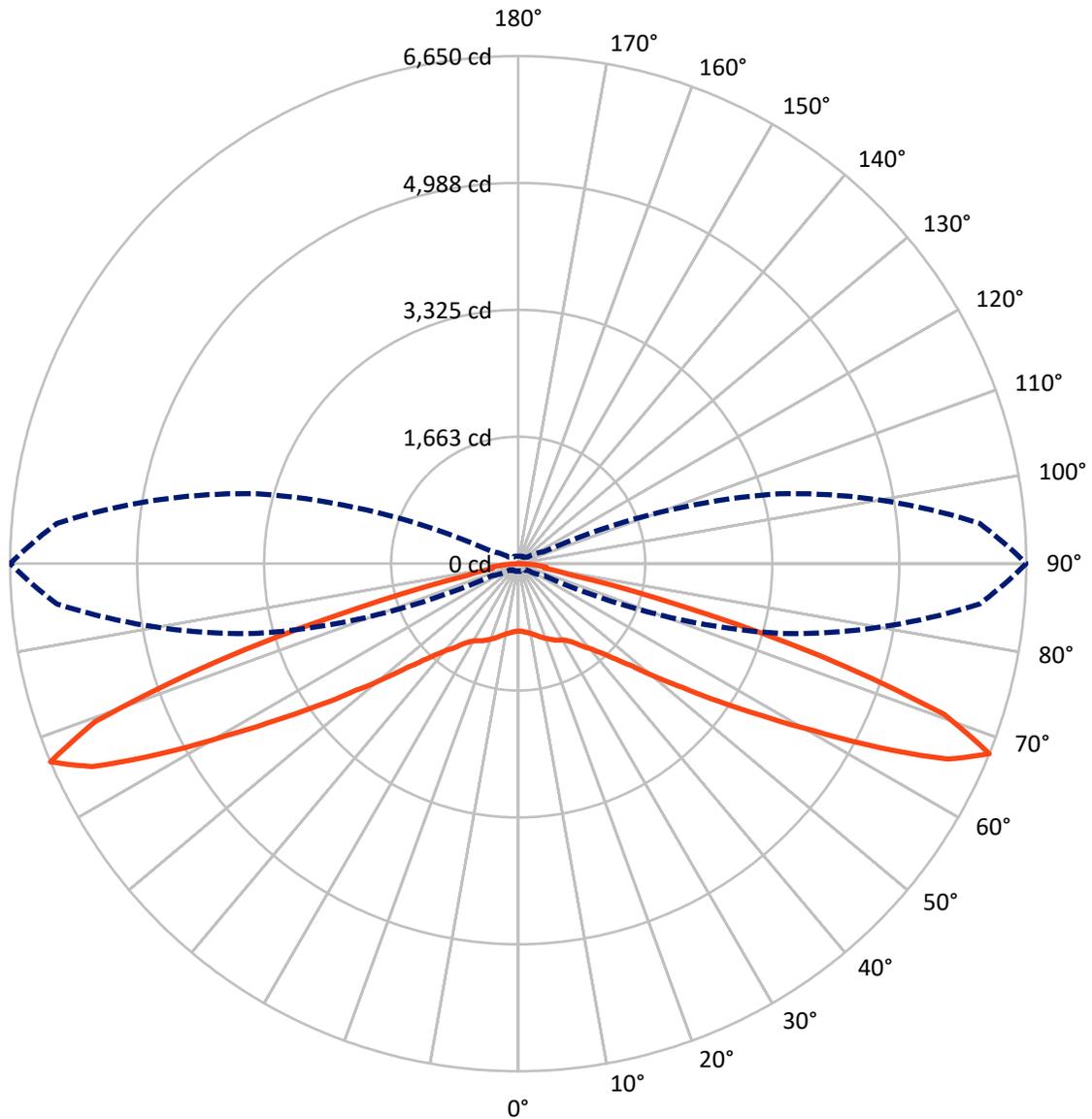


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2500.0 | 0.0 | 2500.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2500.0 | 0.0 | 2500.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5000.0 | 0.0 | 5000.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.3 | 1.8 |
| 10°-20° | 282.4 | 5.6 |
| 20°-30° | 472.6 | 9.5 |
| 30°-40° | 640.2 | 12.8 |
| 40°-50° | 811.0 | 16.2 |
| 50°-60° | 1013.1 | 20.3 |
| 60°-70° | 1190.8 | 23.8 |
| 70°-80° | 455.6 | 9.1 |
| 80°-90° | 46.1 | 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° | 5000.0 | 100.0 |
| 0°-180° | 5000.0 | 100.0 |



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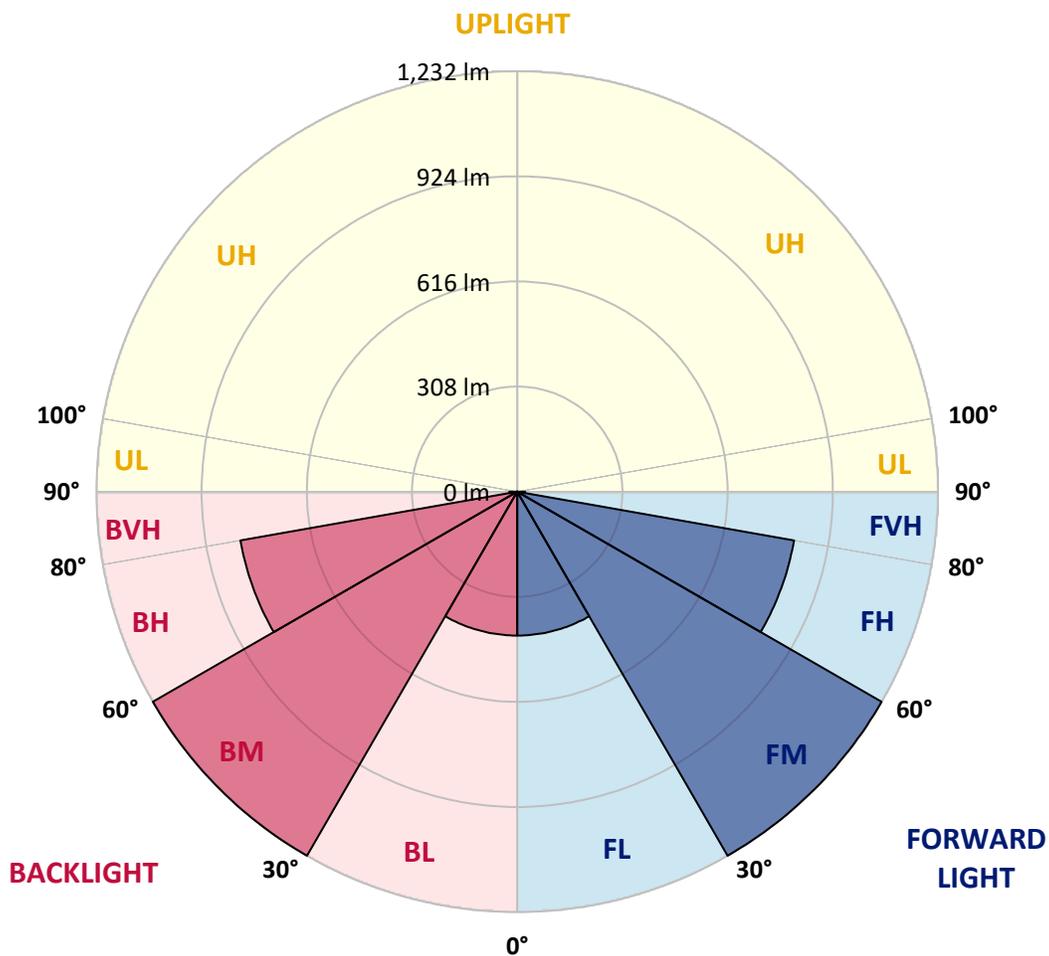
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 421.6 | 8.4 | | | |
| FM | (30°-60°) | 1232.1 | 24.6 | | | |
| FH | (60°-80°) | 823.2 | 16.5 | | | G1/1800 |
| FVH | (80°-90°) | 23.1 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 421.6 | 8.4 | B1/500 | | |
| BM | (30°-60°) | 1232.1 | 24.6 | B2/2500 | | |
| BH | (60°-80°) | 823.2 | 16.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 23.1 | 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° | 90° |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 | 885.2 |
| 2.5° | 896.5 | 896.0 | 896.2 | 896.0 | 896.8 | 896.2 | 892.9 | 890.1 | 887.9 | 888.2 | 887.4 |
| 5° | 915.6 | 915.9 | 916.2 | 914.8 | 916.7 | 915.6 | 910.4 | 905.9 | 901.5 | 899.8 | 899.3 |
| 7.5° | 931.4 | 932.8 | 933.6 | 935.0 | 938.3 | 938.3 | 935.5 | 929.2 | 919.5 | 914.0 | 913.7 |
| 10° | 947.2 | 948.3 | 950.8 | 955.2 | 960.7 | 966.0 | 964.9 | 956.3 | 943.9 | 934.4 | 932.2 |
| 12.5° | 952.7 | 954.1 | 962.4 | 975.1 | 987.6 | 997.8 | 997.8 | 990.9 | 974.9 | 960.5 | 956.3 |
| 15° | 933.3 | 935.8 | 950.8 | 977.9 | 1010.6 | 1033.0 | 1038.0 | 1028.3 | 1011.1 | 989.0 | 984.0 |
| 17.5° | 894.8 | 900.9 | 922.8 | 963.0 | 1017.2 | 1063.7 | 1078.1 | 1073.4 | 1051.3 | 1023.0 | 1017.2 |
| 20° | 853.6 | 860.2 | 883.5 | 936.7 | 1011.7 | 1081.7 | 1123.5 | 1124.6 | 1097.2 | 1056.3 | 1047.7 |
| 22.5° | 808.2 | 813.2 | 843.1 | 905.4 | 995.1 | 1085.9 | 1162.6 | 1181.7 | 1144.6 | 1089.5 | 1077.3 |
| 25° | 757.2 | 762.8 | 794.1 | 861.3 | 963.8 | 1081.2 | 1198.3 | 1240.4 | 1194.1 | 1124.9 | 1109.4 |
| 27.5° | 708.5 | 710.7 | 744.2 | 812.6 | 922.5 | 1069.0 | 1224.6 | 1294.4 | 1249.0 | 1154.3 | 1134.6 |
| 30° | 661.7 | 667.0 | 696.6 | 764.2 | 875.2 | 1045.2 | 1247.3 | 1355.8 | 1307.9 | 1185.0 | 1159.8 |
| 32.5° | 612.2 | 618.5 | 650.6 | 719.0 | 827.8 | 1009.5 | 1261.1 | 1423.1 | 1390.2 | 1234.8 | 1208.0 |
| 35° | 564.5 | 568.7 | 601.1 | 667.5 | 781.6 | 967.9 | 1263.6 | 1499.0 | 1496.2 | 1310.4 | 1274.7 |
| 37.5° | 515.8 | 521.9 | 554.6 | 618.3 | 732.6 | 923.9 | 1251.2 | 1579.5 | 1624.1 | 1415.4 | 1376.9 |
| 40° | 469.0 | 474.3 | 506.4 | 570.6 | 676.9 | 870.2 | 1221.6 | 1653.2 | 1773.4 | 1523.3 | 1468.8 |
| 42.5° | 418.1 | 419.5 | 454.6 | 520.0 | 622.4 | 807.9 | 1178.9 | 1718.8 | 1939.8 | 1668.1 | 1600.3 |
| 45° | 360.2 | 363.8 | 396.5 | 460.7 | 559.8 | 738.1 | 1121.0 | 1773.1 | 2150.7 | 1868.9 | 1776.4 |
| 47.5° | 302.3 | 305.4 | 335.3 | 398.7 | 491.4 | 658.1 | 1031.9 | 1820.7 | 2367.2 | 2123.9 | 2002.6 |
| 50° | 245.9 | 247.5 | 271.9 | 328.1 | 414.5 | 574.0 | 921.4 | 1835.9 | 2612.0 | 2484.9 | 2330.1 |
| 52.5° | 194.4 | 196.9 | 215.4 | 259.4 | 332.2 | 474.6 | 802.1 | 1798.3 | 2897.7 | 2913.0 | 2694.8 |
| 55° | 157.5 | 158.4 | 172.2 | 204.6 | 259.7 | 370.5 | 658.1 | 1693.3 | 3205.1 | 3461.4 | 3183.2 |
| 57.5° | 135.7 | 136.2 | 144.0 | 162.0 | 199.9 | 279.4 | 510.5 | 1494.8 | 3481.1 | 4104.1 | 3746.3 |
| 60° | 123.2 | 123.5 | 127.9 | 138.4 | 158.4 | 214.3 | 365.7 | 1214.6 | 3753.5 | 4819.2 | 4446.3 |
| 62.5° | 115.5 | 115.5 | 118.5 | 124.3 | 134.0 | 164.5 | 265.0 | 876.3 | 3940.1 | 5544.9 | 5309.0 |
| 65° | 108.0 | 108.0 | 110.2 | 114.3 | 119.6 | 134.6 | 195.7 | 571.5 | 3935.4 | 6073.4 | 6176.7 |
| 67.5° | 99.4 | 99.4 | 101.1 | 105.2 | 108.3 | 115.7 | 151.2 | 374.3 | 3535.1 | 6061.8 | 6650.2 |
| 70° | 89.2 | 89.2 | 91.4 | 95.0 | 97.5 | 102.2 | 119.3 | 256.1 | 2597.0 | 5175.8 | 5914.2 |
| 72.5° | 78.9 | 79.2 | 80.6 | 84.2 | 86.1 | 88.9 | 99.1 | 179.4 | 1593.1 | 3524.3 | 4135.3 |
| 75° | 67.6 | 68.1 | 69.5 | 73.1 | 74.8 | 75.9 | 83.6 | 127.9 | 806.0 | 1900.2 | 2163.5 |
| 77.5° | 54.5 | 55.7 | 56.5 | 60.4 | 61.5 | 63.1 | 68.9 | 92.5 | 353.8 | 682.8 | 688.9 |
| 80° | 39.9 | 41.3 | 43.7 | 47.3 | 48.2 | 49.3 | 52.6 | 65.6 | 160.3 | 311.8 | 338.6 |
| 82.5° | 29.3 | 31.3 | 28.2 | 32.9 | 32.9 | 31.6 | 37.1 | 44.0 | 73.6 | 308.7 | 369.3 |
| 85° | 16.1 | 16.3 | 14.7 | 16.9 | 18.0 | 17.7 | 19.7 | 21.6 | 35.7 | 206.0 | 212.4 |
| 87.5° | 3.9 | 4.2 | 4.4 | 5.3 | 6.4 | 6.4 | 6.9 | 6.1 | 11.6 | 66.7 | 38.2 |
| 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)