

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: P1208174

Luminaire Tested: UPW-SA1-040-827-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4725 lumens
Efficiency: N/A
Efficacy: 107.4 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): 44
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

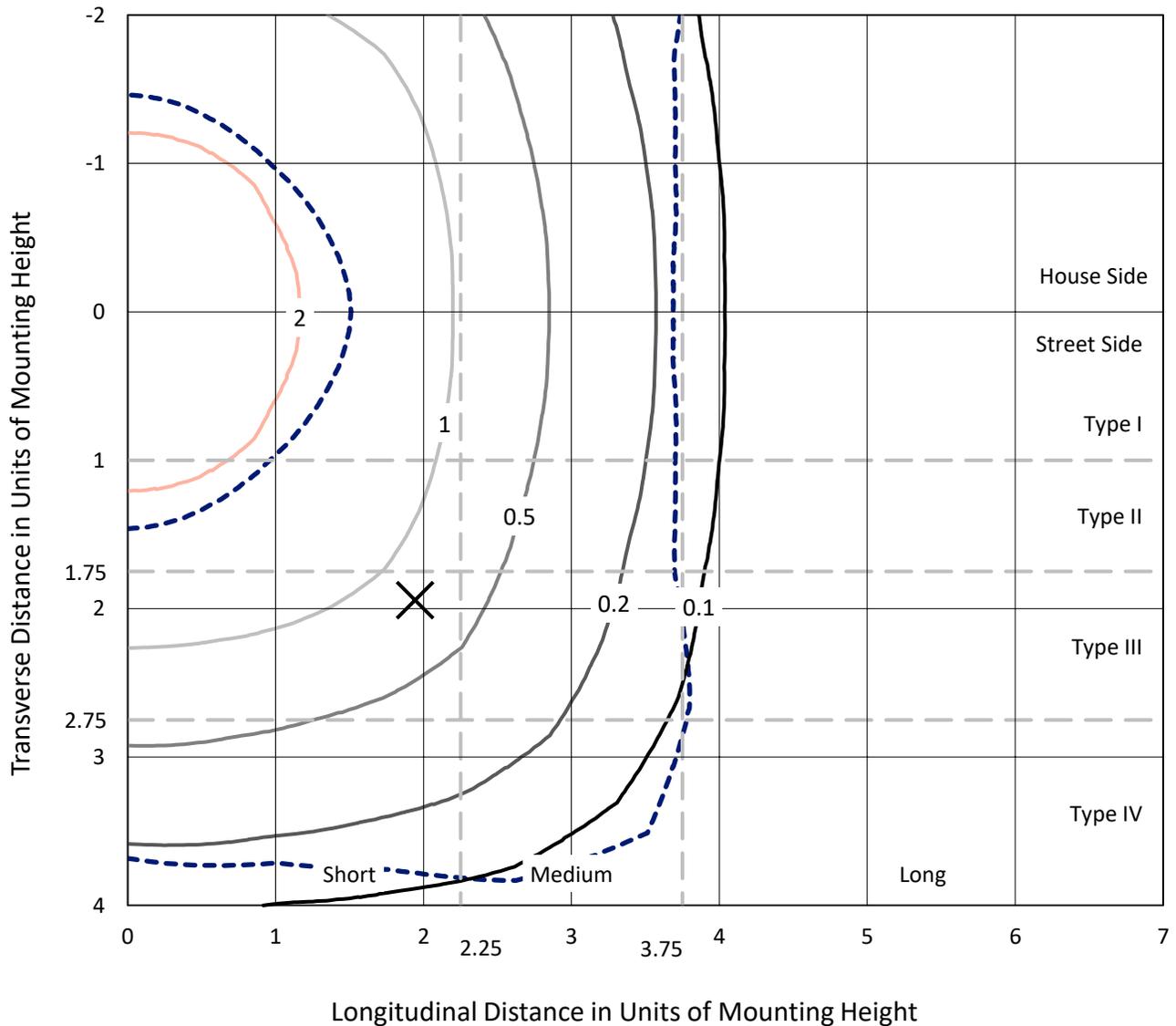


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

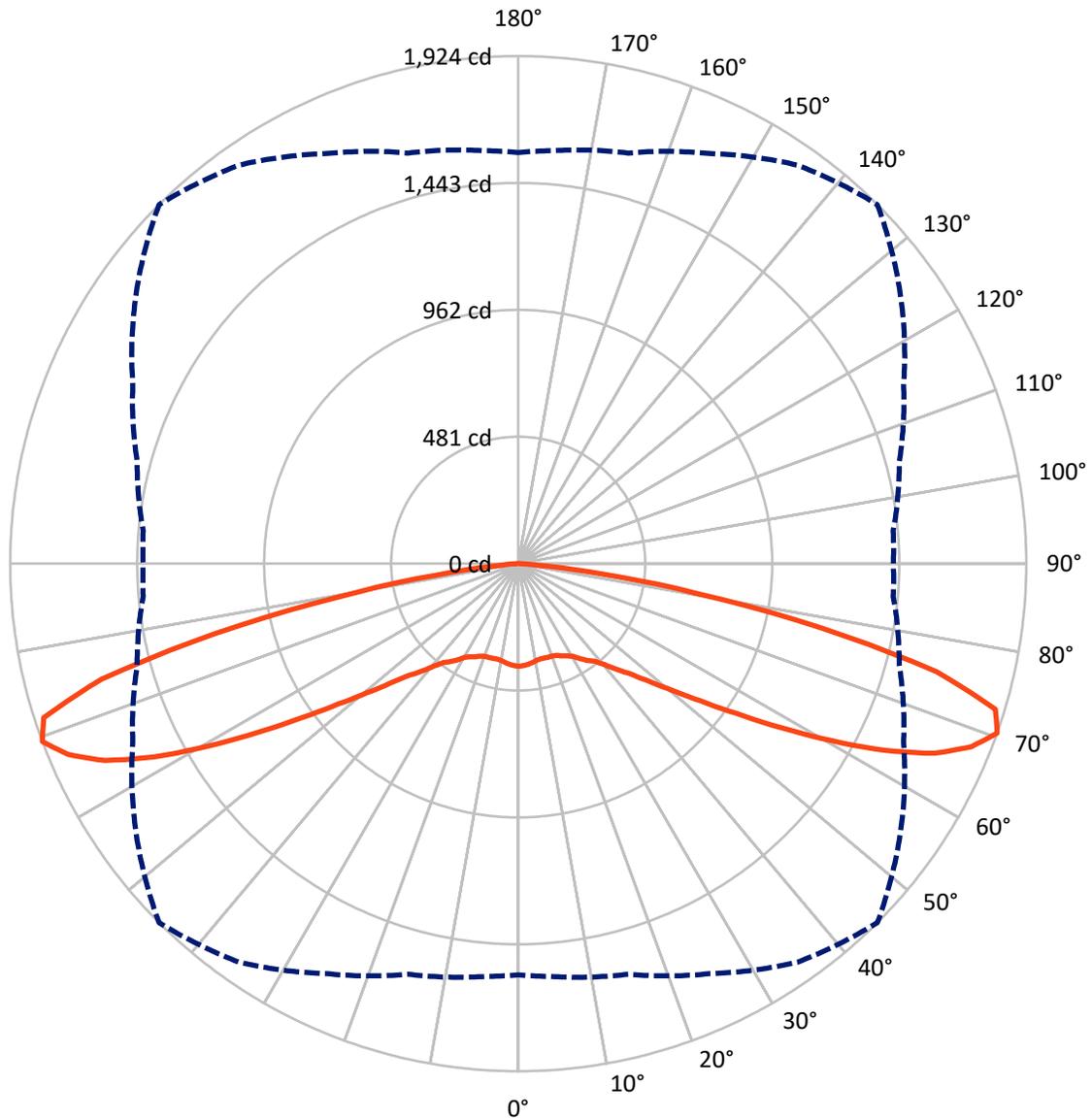


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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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 | 2362.5 | 0.0 | 2362.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2362.5 | 0.0 | 2362.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4725.0 | 0.0 | 4725.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.3 | 0.8 |
| 10°-20° | 106.0 | 2.2 |
| 20°-30° | 180.8 | 3.8 |
| 30°-40° | 282.4 | 6.0 |
| 40°-50° | 478.7 | 10.1 |
| 50°-60° | 872.9 | 18.5 |
| 60°-70° | 1502.7 | 31.8 |
| 70°-80° | 1177.9 | 24.9 |
| 80°-90° | 87.3 | 1.8 |
| 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° | 4725.0 | 100.0 |
| 0°-180° | 4725.0 | 100.0 |



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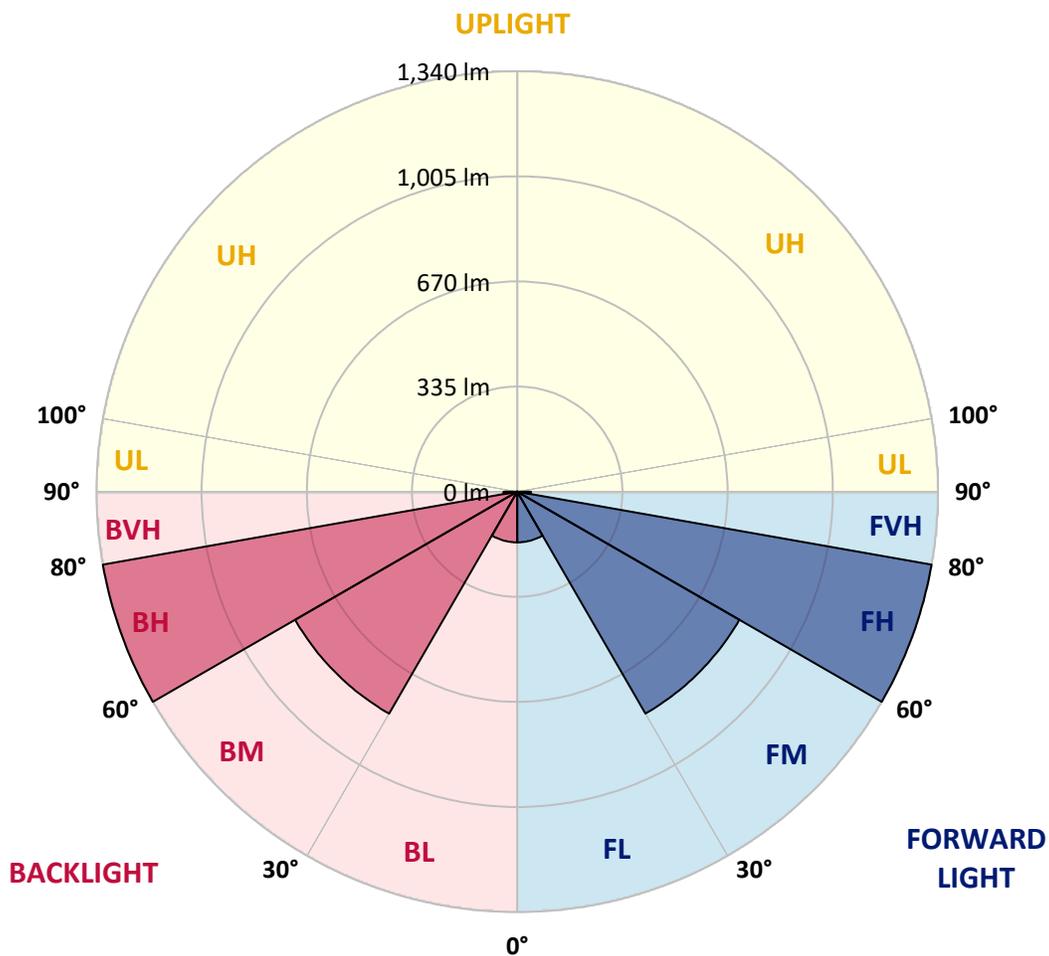
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 161.5 | 3.4 | | | |
| FM | (30°-60°) | 817.0 | 17.3 | | | |
| FH | (60°-80°) | 1340.3 | 28.4 | | | G1/1800 |
| FVH | (80°-90°) | 43.7 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 161.5 | 3.4 | B1/500 | | |
| BM | (30°-60°) | 817.0 | 17.3 | B1/1000 | | |
| BH | (60°-80°) | 1340.3 | 28.4 | B3/2500 | | G1/1800 |
| BVH | (80°-90°) | 43.7 | 0.9 | | | 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° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 | 388.9 |
| 2.5° | 387.1 | 387.6 | 387.1 | 387.5 | 386.7 | 387.0 | 387.0 | 387.0 | 386.8 | 387.0 | 386.7 |
| 5° | 383.7 | 384.0 | 383.4 | 383.7 | 383.2 | 383.7 | 383.9 | 383.7 | 383.4 | 383.6 | 382.9 |
| 7.5° | 378.6 | 378.9 | 378.4 | 378.9 | 378.2 | 379.0 | 378.9 | 378.4 | 377.9 | 377.9 | 377.3 |
| 10° | 375.7 | 375.9 | 374.6 | 374.2 | 372.8 | 373.1 | 373.6 | 374.0 | 374.5 | 375.4 | 375.3 |
| 12.5° | 375.9 | 375.9 | 374.0 | 372.0 | 370.0 | 370.4 | 371.2 | 372.9 | 374.8 | 376.5 | 376.7 |
| 15° | 377.5 | 377.3 | 374.5 | 371.2 | 369.8 | 371.2 | 371.7 | 372.8 | 375.7 | 378.7 | 378.9 |
| 17.5° | 378.6 | 378.6 | 374.2 | 370.4 | 370.3 | 372.5 | 372.3 | 372.8 | 376.1 | 380.4 | 380.6 |
| 20° | 380.6 | 380.6 | 375.0 | 370.9 | 370.9 | 373.2 | 373.4 | 374.2 | 377.5 | 382.3 | 383.1 |
| 22.5° | 385.1 | 385.3 | 379.3 | 376.1 | 376.4 | 377.8 | 378.2 | 379.5 | 382.5 | 387.8 | 388.7 |
| 25° | 391.5 | 391.8 | 385.7 | 383.9 | 385.0 | 387.6 | 387.3 | 388.2 | 391.5 | 396.7 | 397.6 |
| 27.5° | 400.4 | 399.7 | 394.0 | 393.2 | 394.3 | 396.2 | 396.1 | 396.2 | 398.9 | 403.6 | 404.7 |
| 30° | 412.0 | 411.7 | 407.6 | 408.1 | 407.6 | 407.0 | 407.2 | 408.4 | 409.8 | 413.6 | 414.7 |
| 32.5° | 423.3 | 423.6 | 421.1 | 423.4 | 426.8 | 429.2 | 425.6 | 422.2 | 420.6 | 422.6 | 423.6 |
| 35° | 443.6 | 444.4 | 440.4 | 438.9 | 443.6 | 450.4 | 440.3 | 434.7 | 437.8 | 440.4 | 441.2 |
| 37.5° | 478.1 | 478.6 | 472.0 | 465.8 | 462.3 | 468.9 | 458.7 | 459.2 | 470.1 | 475.1 | 475.0 |
| 40° | 517.5 | 517.7 | 513.3 | 507.8 | 501.9 | 503.4 | 499.4 | 500.6 | 507.8 | 512.3 | 513.6 |
| 42.5° | 564.4 | 563.9 | 557.0 | 549.2 | 547.5 | 549.1 | 542.2 | 541.3 | 549.5 | 557.7 | 557.8 |
| 45° | 625.2 | 624.1 | 615.2 | 606.6 | 598.3 | 594.9 | 593.1 | 597.7 | 609.1 | 616.6 | 616.7 |
| 47.5° | 690.7 | 687.7 | 683.0 | 676.1 | 669.0 | 665.5 | 662.7 | 664.9 | 673.2 | 676.1 | 676.5 |
| 50° | 758.0 | 758.7 | 759.6 | 756.9 | 754.3 | 753.2 | 745.9 | 741.6 | 744.1 | 738.7 | 737.9 |
| 52.5° | 837.9 | 839.2 | 848.2 | 855.9 | 860.4 | 862.8 | 848.9 | 834.3 | 826.2 | 815.6 | 812.4 |
| 55° | 932.2 | 934.2 | 947.5 | 968.7 | 990.6 | 1002.2 | 977.0 | 949.8 | 924.7 | 904.8 | 898.4 |
| 57.5° | 1037.2 | 1040.8 | 1059.1 | 1099.9 | 1144.7 | 1172.1 | 1129.6 | 1080.2 | 1031.6 | 1003.0 | 998.0 |
| 60° | 1160.4 | 1163.8 | 1189.1 | 1247.6 | 1320.2 | 1361.4 | 1297.0 | 1216.2 | 1155.7 | 1128.3 | 1119.1 |
| 62.5° | 1307.0 | 1307.3 | 1338.4 | 1406.7 | 1502.6 | 1559.8 | 1472.6 | 1364.6 | 1302.3 | 1269.3 | 1260.4 |
| 65° | 1464.7 | 1465.4 | 1497.6 | 1571.4 | 1670.7 | 1732.9 | 1634.4 | 1521.9 | 1445.6 | 1397.0 | 1390.1 |
| 67.5° | 1576.1 | 1579.4 | 1613.3 | 1702.1 | 1794.9 | 1851.0 | 1749.1 | 1621.9 | 1533.7 | 1475.8 | 1470.0 |
| 70° | 1558.3 | 1571.1 | 1611.0 | 1714.6 | 1843.7 | 1923.7 | 1767.7 | 1610.0 | 1493.7 | 1425.3 | 1420.4 |
| 72.5° | 1359.0 | 1383.5 | 1436.7 | 1572.7 | 1779.1 | 1889.3 | 1666.3 | 1442.0 | 1310.4 | 1252.1 | 1243.3 |
| 75° | 925.4 | 965.3 | 1045.5 | 1241.6 | 1520.0 | 1635.8 | 1402.8 | 1149.7 | 1025.9 | 945.3 | 939.3 |
| 77.5° | 412.6 | 421.7 | 523.3 | 749.1 | 1048.9 | 1174.7 | 1019.2 | 752.1 | 564.5 | 450.3 | 426.2 |
| 80° | 115.0 | 116.4 | 155.4 | 279.0 | 525.0 | 690.2 | 563.6 | 293.1 | 164.7 | 116.1 | 109.4 |
| 82.5° | 36.6 | 39.7 | 48.5 | 72.4 | 176.5 | 314.9 | 181.1 | 78.1 | 55.6 | 44.4 | 40.0 |
| 85° | 17.8 | 17.7 | 24.5 | 29.4 | 45.0 | 69.7 | 48.0 | 36.3 | 31.7 | 21.1 | 19.1 |
| 87.5° | 7.5 | 7.7 | 11.4 | 10.3 | 13.1 | 11.3 | 15.5 | 16.3 | 17.0 | 9.4 | 8.1 |
| 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)