

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: P1208822

Luminaire Tested: UPW-SA2-070-740-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208822
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-SA2-070-740-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10244 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 66
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



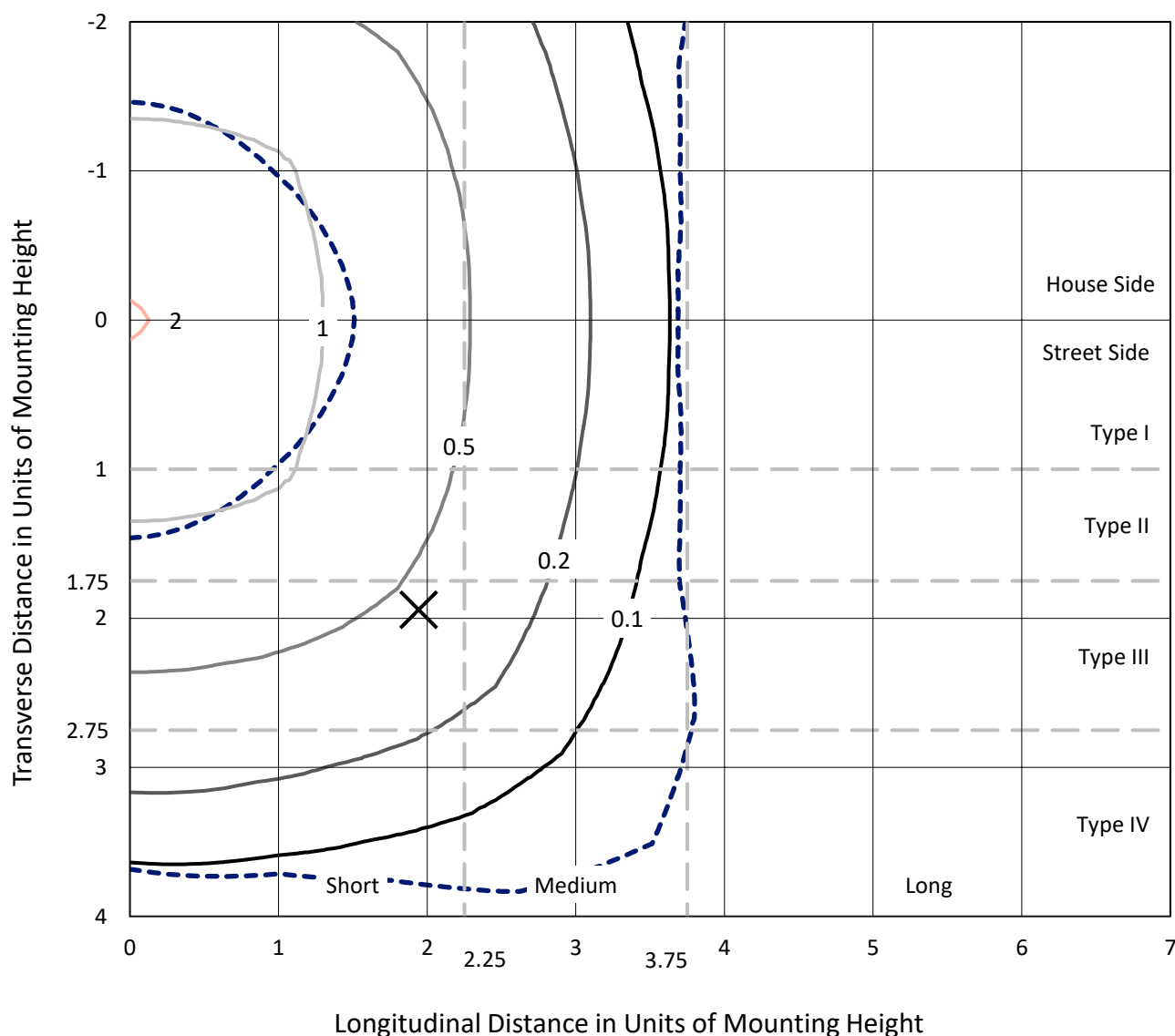
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



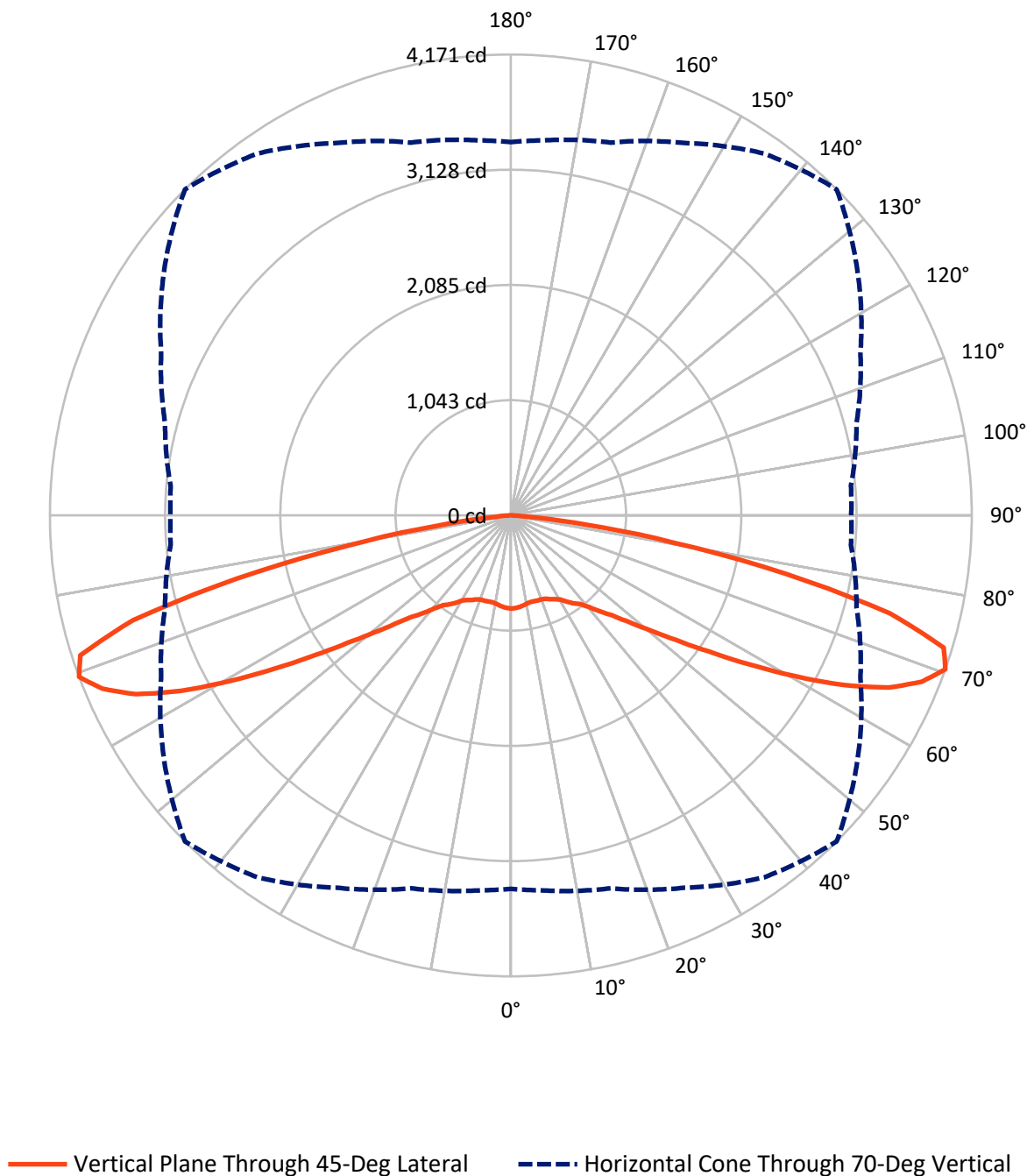
Based on 20 foot mounting height. Maximum calculated value = 2.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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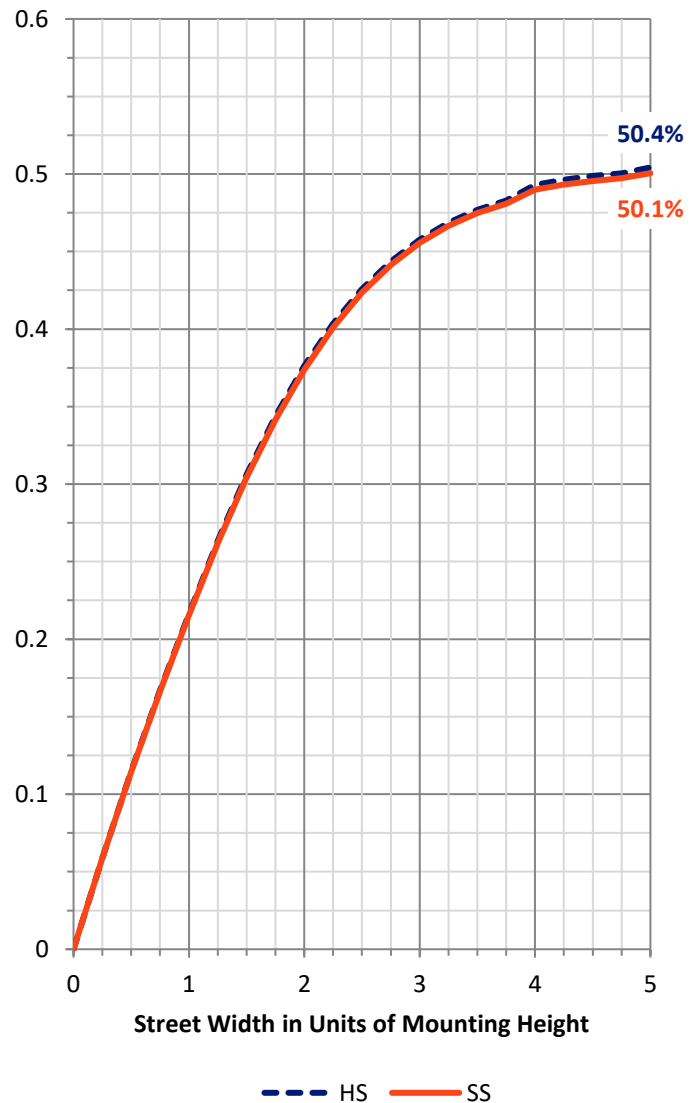
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5122.0	0.0	5122.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5122.0	0.0	5122.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10244.0	0.0	10244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	0.8
10°-20°	229.8	2.2
20°-30°	391.9	3.8
30°-40°	612.3	6.0
40°-50°	1037.8	10.1
50°-60°	1892.4	18.5
60°-70°	3258.0	31.8
70°-80°	2553.7	24.9
80°-90°	189.3	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°	10244.0	100.0
0°-180°	10244.0	100.0

Coefficient of Utilization



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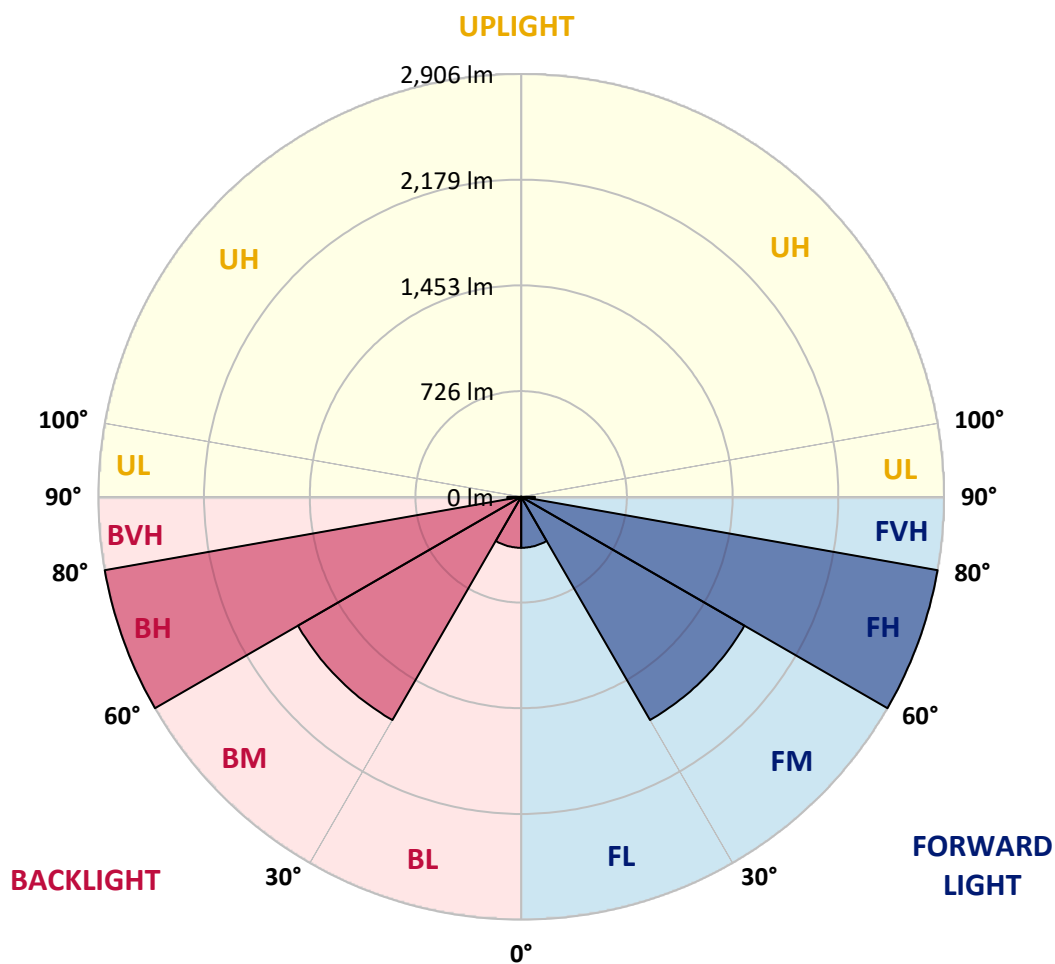
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.2	3.4			
FM	(30°-60°)	1771.3	17.3			
FH	(60°-80°)	2905.8	28.4			G2/5000
FVH	(80°-90°)	94.7	0.9			G1/100
BL	(0°-30°)	350.2	3.4	B1/500		
BM	(30°-60°)	1771.3	17.3	B2/2500		
BH	(60°-80°)	2905.8	28.4	B4/5000		G2/5000
BVH	(80°-90°)	94.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1
2.5°	839.4	840.4	839.4	840.0	838.3	839.0	839.0	839.0	838.7	839.0	838.3
5°	831.9	832.6	831.2	831.9	830.9	831.9	832.2	831.9	831.2	831.6	830.2
7.5°	820.7	821.4	820.4	821.4	820.0	821.7	821.4	820.4	819.4	819.4	818.0
10°	814.6	815.0	812.2	811.2	808.2	808.9	809.9	810.9	811.9	813.9	813.6
12.5°	815.0	815.0	810.9	806.5	802.1	803.1	804.8	808.5	812.6	816.3	816.7
15°	818.3	818.0	811.9	804.8	801.7	804.8	805.8	808.2	814.6	821.1	821.4
17.5°	820.7	820.7	811.2	803.1	802.8	807.5	807.2	808.2	815.3	824.8	825.1
20°	825.1	825.1	812.9	804.1	804.1	809.2	809.5	811.2	818.3	828.9	830.5
22.5°	834.9	835.3	822.4	815.3	816.0	819.0	820.0	822.8	829.2	840.7	842.7
25°	848.8	849.5	836.3	832.2	834.6	840.4	839.7	841.7	848.8	860.0	862.1
27.5°	868.2	866.5	854.3	852.6	854.9	859.0	858.7	859.0	864.8	874.9	877.3
30°	893.2	892.6	883.7	884.8	883.7	882.4	882.7	885.4	888.5	896.6	899.0
32.5°	917.6	918.3	912.9	918.0	925.4	930.5	922.7	915.3	911.9	916.3	918.3
35°	961.7	963.4	954.9	951.5	961.7	976.6	954.6	942.4	949.1	954.9	956.6
37.5°	1036.6	1037.6	1023.4	1009.8	1002.3	1016.6	994.6	995.6	1019.3	1030.1	1029.8
40°	1122.0	1122.3	1112.8	1101.0	1088.1	1091.5	1082.7	1085.4	1101.0	1110.8	1113.5
42.5°	1223.6	1222.6	1207.7	1190.8	1187.0	1190.4	1175.5	1173.5	1191.4	1209.1	1209.4
45°	1355.4	1353.1	1333.8	1315.1	1297.2	1289.7	1286.0	1295.8	1320.5	1336.8	1337.1
47.5°	1497.4	1491.0	1480.8	1465.9	1450.3	1442.9	1436.8	1441.5	1459.5	1465.9	1466.6
50°	1643.5	1644.8	1646.9	1641.1	1635.3	1633.0	1617.0	1607.9	1613.3	1601.5	1599.8
52.5°	1816.6	1819.3	1839.0	1855.6	1865.4	1870.5	1840.3	1808.8	1791.2	1768.2	1761.4
55°	2021.0	2025.4	2054.2	2100.3	2147.7	2172.8	2118.2	2059.2	2004.7	1961.7	1947.8
57.5°	2248.7	2256.5	2296.1	2384.6	2481.8	2541.1	2448.9	2341.9	2236.5	2174.5	2163.6
60°	2515.7	2523.1	2578.0	2704.8	2862.3	2951.5	2811.9	2636.7	2505.5	2446.2	2426.2
62.5°	2833.5	2834.2	2901.7	3049.7	3257.8	3381.8	3192.7	2958.6	2823.4	2751.9	2732.6
65°	3175.5	3177.1	3247.0	3406.9	3622.1	3756.9	3543.5	3299.5	3134.1	3028.7	3013.8
67.5°	3417.1	3424.2	3497.7	3690.2	3891.5	4013.1	3792.2	3516.3	3325.2	3199.5	3187.0
70°	3378.4	3406.2	3492.6	3717.3	3997.2	4170.7	3832.5	3490.6	3238.5	3090.1	3079.6
72.5°	2946.4	2999.6	3114.8	3409.6	3857.2	4096.1	3612.6	3126.3	2841.0	2714.6	2695.6
75°	2006.4	2092.8	2266.6	2691.9	3295.4	3546.5	3041.3	2492.7	2224.3	2049.4	2036.5
77.5°	894.6	914.2	1134.5	1624.2	2274.1	2546.9	2209.7	1630.6	1224.0	976.3	924.1
80°	249.4	252.5	336.8	604.9	1138.2	1496.4	1221.9	635.4	357.2	251.8	237.2
82.5°	79.3	86.1	105.0	156.9	382.6	682.8	392.7	169.4	120.6	96.2	86.7
85°	38.6	38.3	53.2	63.7	97.6	151.1	104.0	78.6	68.8	45.7	41.3
87.5°	16.3	16.6	24.7	22.4	28.5	24.4	33.5	35.2	36.9	20.3	17.6
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)