

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: P1208739

Luminaire Tested: UPW-SA2-070-727-U-5MQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-727-U-5MQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8544 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

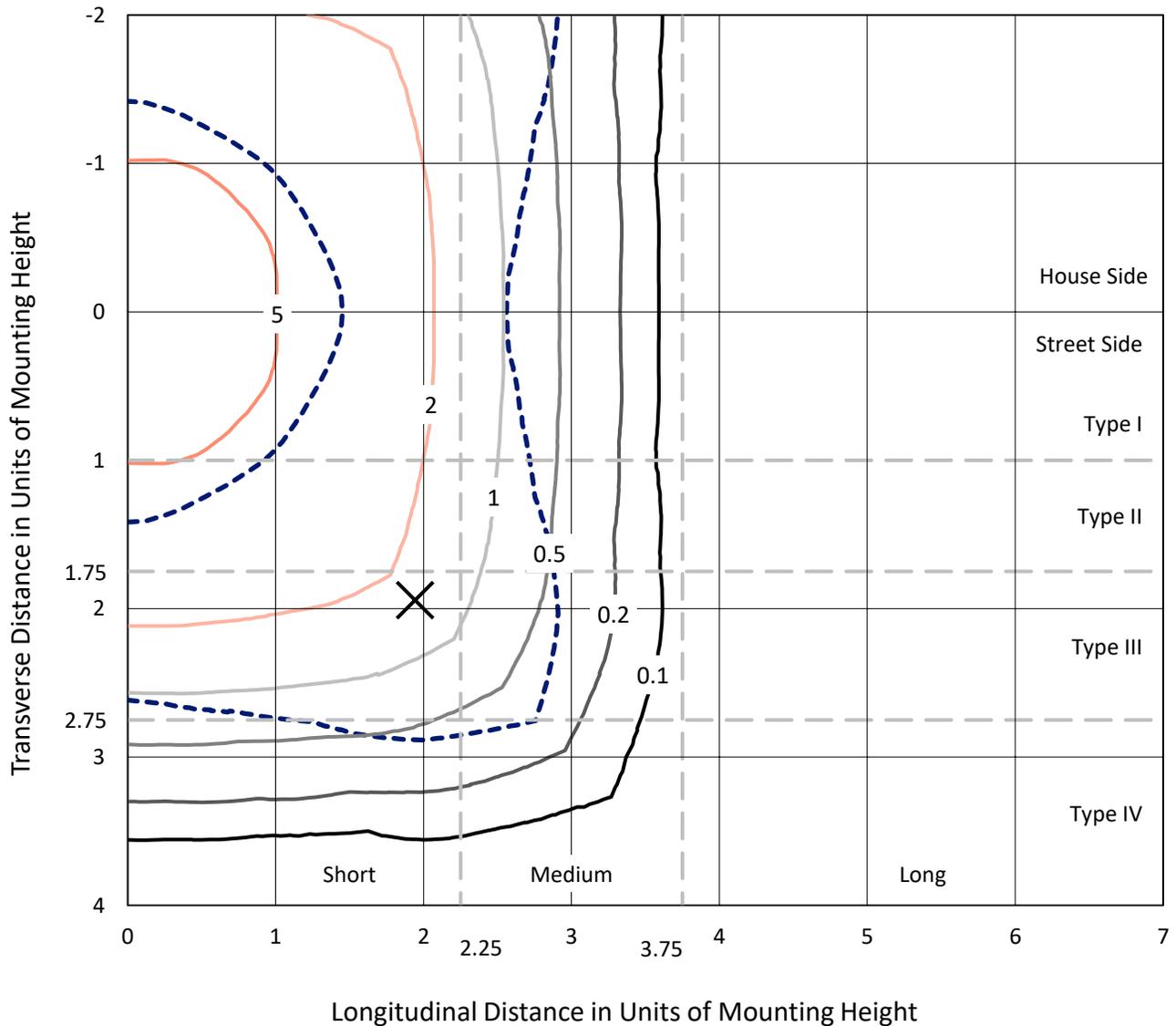


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Iso-Footcandle Lines of Horizontal Illumination

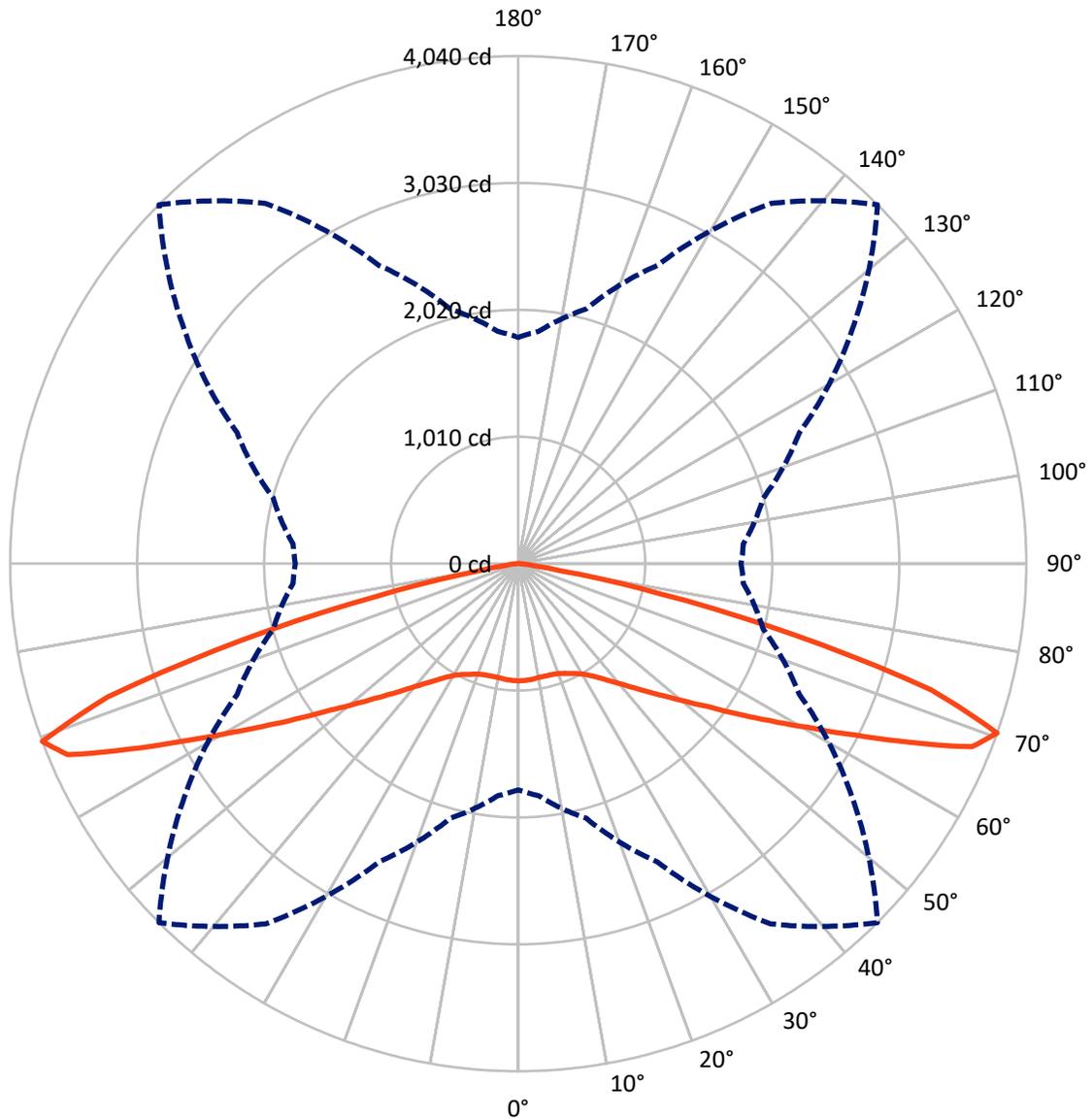
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	4272.0	0.0	4272.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4272.0	0.0	4272.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8544.0	0.0	8544.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.0
10°-20°	259.5	3.0
20°-30°	441.7	5.2
30°-40°	700.5	8.2
40°-50°	1139.9	13.3
50°-60°	1879.5	22.0
60°-70°	2759.2	32.3
70°-80°	1220.1	14.3
80°-90°	55.3	0.6
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°	8544.0	100.0
0°-180°	8544.0	100.0



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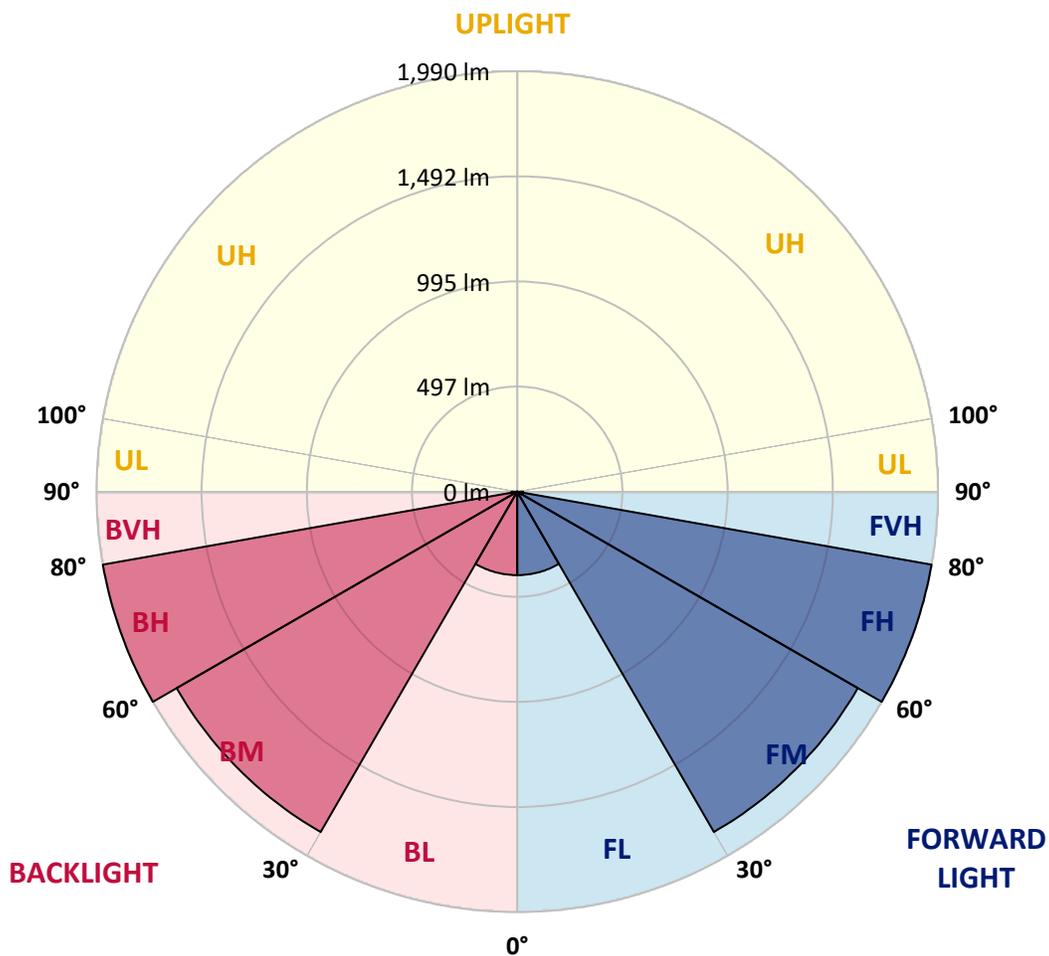
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.8	4.6			
FM	(30°-60°)	1860.0	21.8			
FH	(60°-80°)	1989.7	23.3			G2/5000
FVH	(80°-90°)	27.6	0.3			G1/100
BL	(0°-30°)	394.8	4.6	B1/500		
BM	(30°-60°)	1860.0	21.8	B2/2500		
BH	(60°-80°)	1989.7	23.3	B3/2500		G2/5000
BVH	(80°-90°)	27.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1
2.5°	931.7	930.9	932.9	932.6	930.9	931.2	931.2	932.0	932.0	931.4	931.4
5°	928.3	927.8	930.0	930.0	928.3	928.9	929.5	930.3	930.0	929.5	929.2
7.5°	924.1	923.8	926.1	926.1	924.9	925.5	924.9	925.2	924.7	924.1	923.2
10°	917.0	917.6	919.6	920.1	920.1	920.4	919.8	918.4	917.6	916.7	915.9
12.5°	910.5	910.2	913.1	914.5	916.7	919.3	917.6	913.6	911.9	910.2	909.7
15°	906.3	906.6	909.4	911.9	915.9	921.3	919.3	913.1	909.7	907.7	907.1
17.5°	905.4	906.0	909.7	914.2	918.4	924.4	923.2	917.0	911.4	907.7	906.8
20°	907.4	907.7	913.3	919.8	927.2	932.9	930.3	923.5	915.9	910.2	908.8
22.5°	911.1	912.2	919.3	929.5	940.8	948.4	945.3	933.7	921.8	914.8	912.8
25°	922.7	923.0	932.6	946.4	960.0	968.8	965.1	948.7	933.4	925.5	923.0
27.5°	946.7	947.6	957.2	973.3	984.9	990.5	988.3	975.0	962.0	953.5	954.3
30°	981.5	982.6	993.4	1011.2	1018.3	1019.7	1019.1	1012.9	1001.0	989.7	990.5
32.5°	1023.9	1024.5	1038.9	1055.0	1060.7	1061.8	1060.7	1055.0	1040.9	1025.6	1026.5
35°	1078.5	1080.2	1094.0	1109.6	1114.1	1116.4	1114.4	1107.0	1092.3	1077.3	1076.8
37.5°	1145.8	1146.1	1160.5	1176.6	1182.3	1182.8	1180.6	1175.8	1157.4	1143.8	1143.0
40°	1223.8	1225.0	1241.9	1259.2	1261.4	1258.9	1262.0	1259.2	1240.2	1224.7	1227.2
42.5°	1318.8	1321.4	1341.7	1358.7	1352.2	1350.8	1352.8	1353.6	1338.3	1319.4	1317.7
45°	1429.4	1431.7	1457.1	1470.7	1466.4	1457.1	1461.1	1467.9	1446.6	1423.2	1425.4
47.5°	1555.5	1561.2	1588.3	1601.0	1590.6	1577.9	1585.5	1595.7	1570.8	1541.7	1540.2
50°	1695.8	1702.8	1739.0	1756.8	1746.4	1722.9	1735.6	1742.4	1706.5	1668.9	1665.8
52.5°	1845.4	1852.4	1897.9	1934.7	1927.9	1891.4	1909.3	1902.2	1860.9	1810.3	1806.3
55°	2014.7	2017.6	2066.8	2126.1	2132.9	2106.1	2104.9	2093.3	2032.3	1973.7	1970.9
57.5°	2188.9	2190.9	2254.5	2324.6	2356.6	2356.6	2324.9	2300.3	2219.2	2151.3	2144.2
60°	2377.0	2384.0	2454.4	2549.7	2624.4	2646.4	2590.4	2523.4	2435.2	2352.4	2344.2
62.5°	2544.4	2552.6	2660.3	2802.2	2922.1	3002.4	2865.6	2756.4	2595.8	2462.9	2447.4
65°	2565.6	2587.6	2744.6	3001.6	3269.9	3430.3	3167.9	2898.9	2606.3	2421.6	2405.8
67.5°	2343.0	2380.3	2592.4	2992.5	3547.1	3891.2	3361.0	2817.5	2418.5	2214.4	2196.8
70°	1800.4	1854.7	2099.3	2617.6	3499.3	4039.6	3240.0	2466.6	2016.4	1796.7	1772.1
72.5°	987.7	1010.1	1230.0	1792.5	2805.4	3432.8	2702.4	1823.9	1337.2	1088.1	1046.8
75°	313.3	321.2	433.2	733.5	1586.9	2273.7	1716.7	895.2	492.9	363.4	359.1
77.5°	139.1	140.0	156.7	214.1	546.6	1152.0	656.6	243.7	168.0	146.8	151.6
80°	87.9	87.9	97.0	106.0	148.7	334.5	177.6	115.9	99.0	91.9	93.9
82.5°	42.1	46.7	63.1	67.9	81.7	112.5	91.1	75.8	66.2	49.2	45.8
85°	27.7	23.2	39.9	45.0	47.5	54.0	52.9	50.1	43.3	24.6	27.4
87.5°	12.4	11.9	20.6	18.9	17.8	13.6	20.4	25.2	24.3	12.2	12.2
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)