

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: P1209225

Luminaire Tested: UPW-SA2-110-727-U-5MQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209225
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-SA2-110-727-U-5MQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12968 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

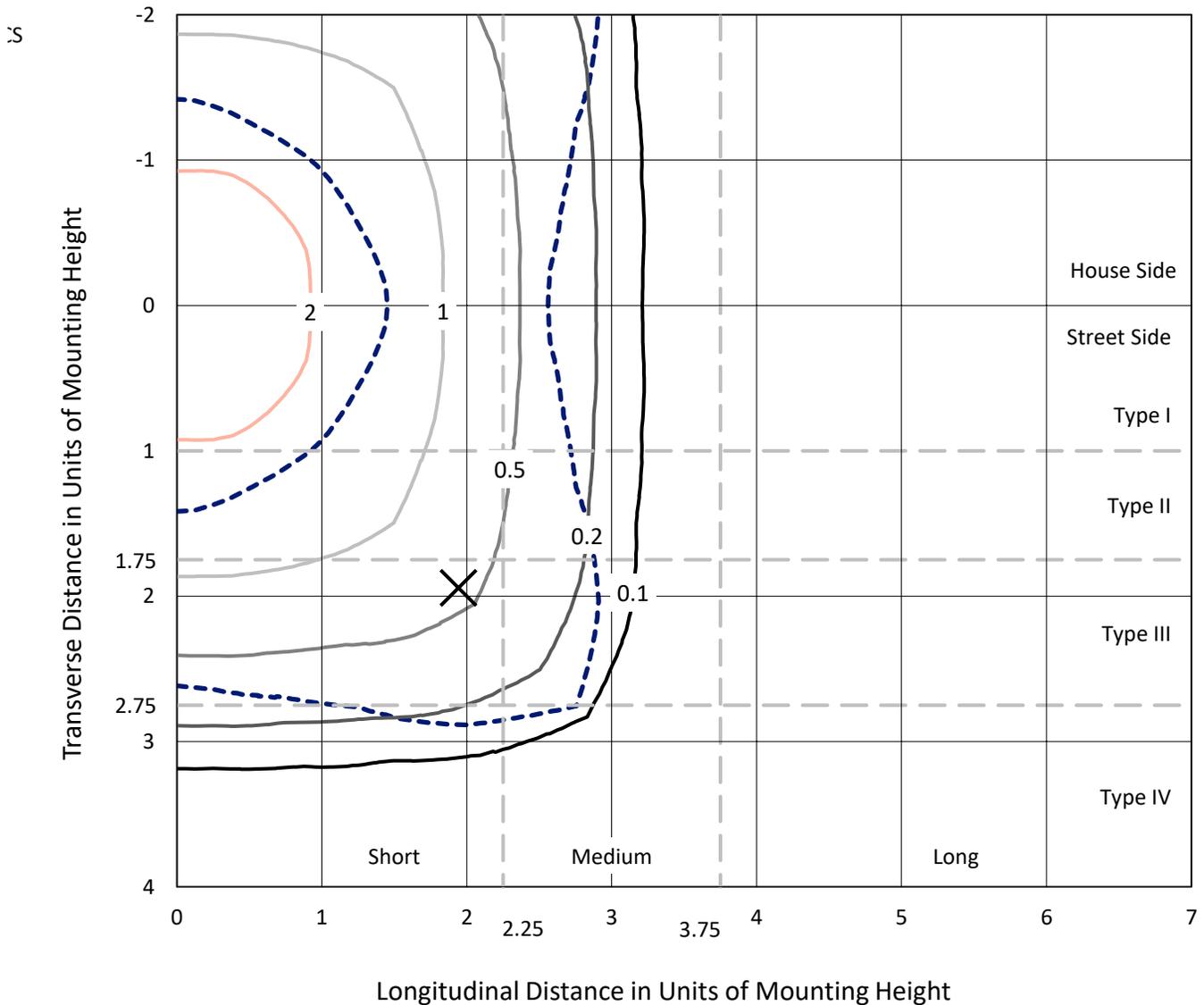
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

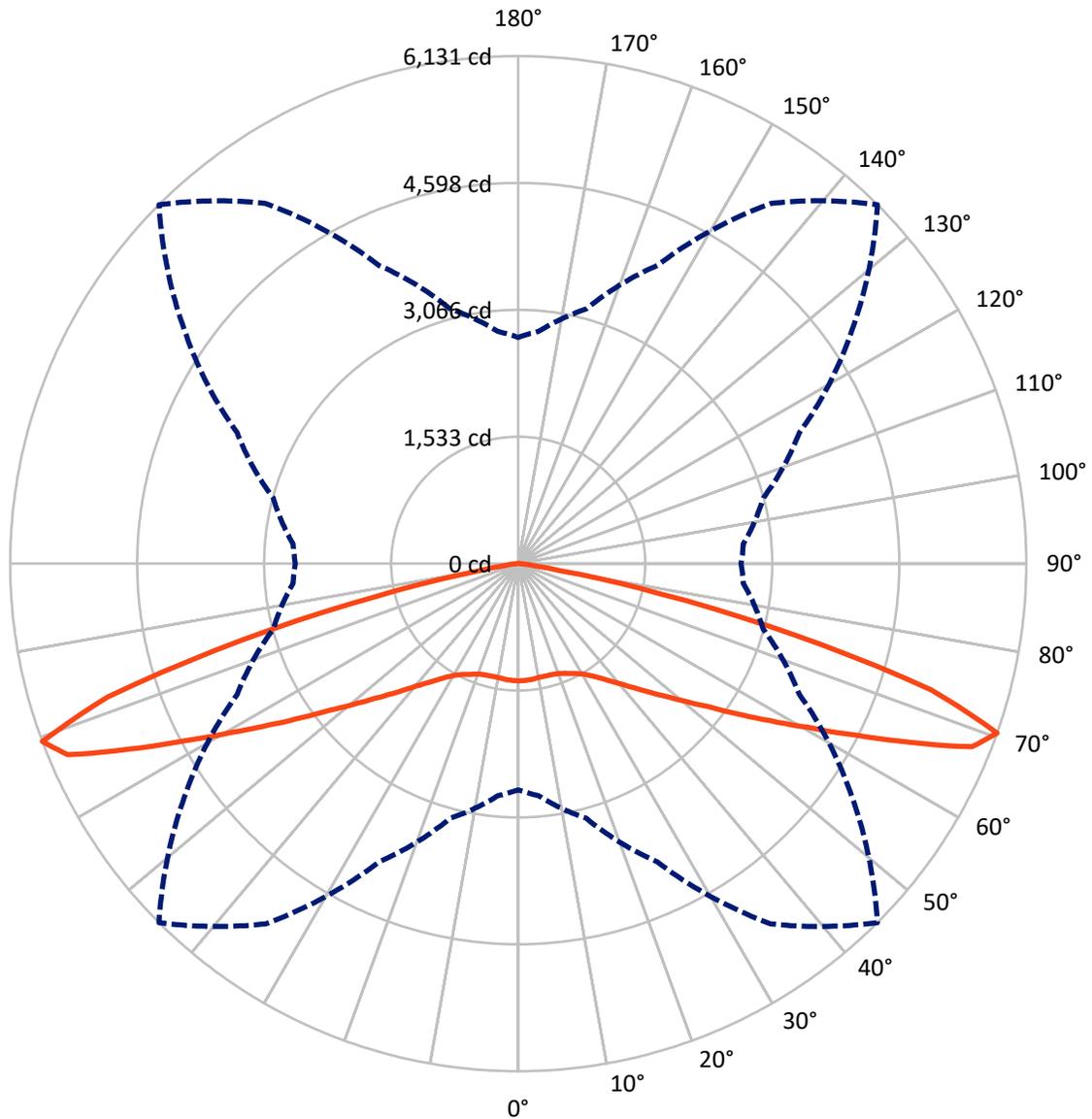
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 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	6484.0	0.0	6484.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6484.0	0.0	6484.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12968.0	0.0	12968.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	1.0
10°-20°	393.8	3.0
20°-30°	670.4	5.2
30°-40°	1063.2	8.2
40°-50°	1730.2	13.3
50°-60°	2852.7	22.0
60°-70°	4187.9	32.3
70°-80°	1851.9	14.3
80°-90°	83.9	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°	12968.0	100.0
0°-180°	12968.0	100.0



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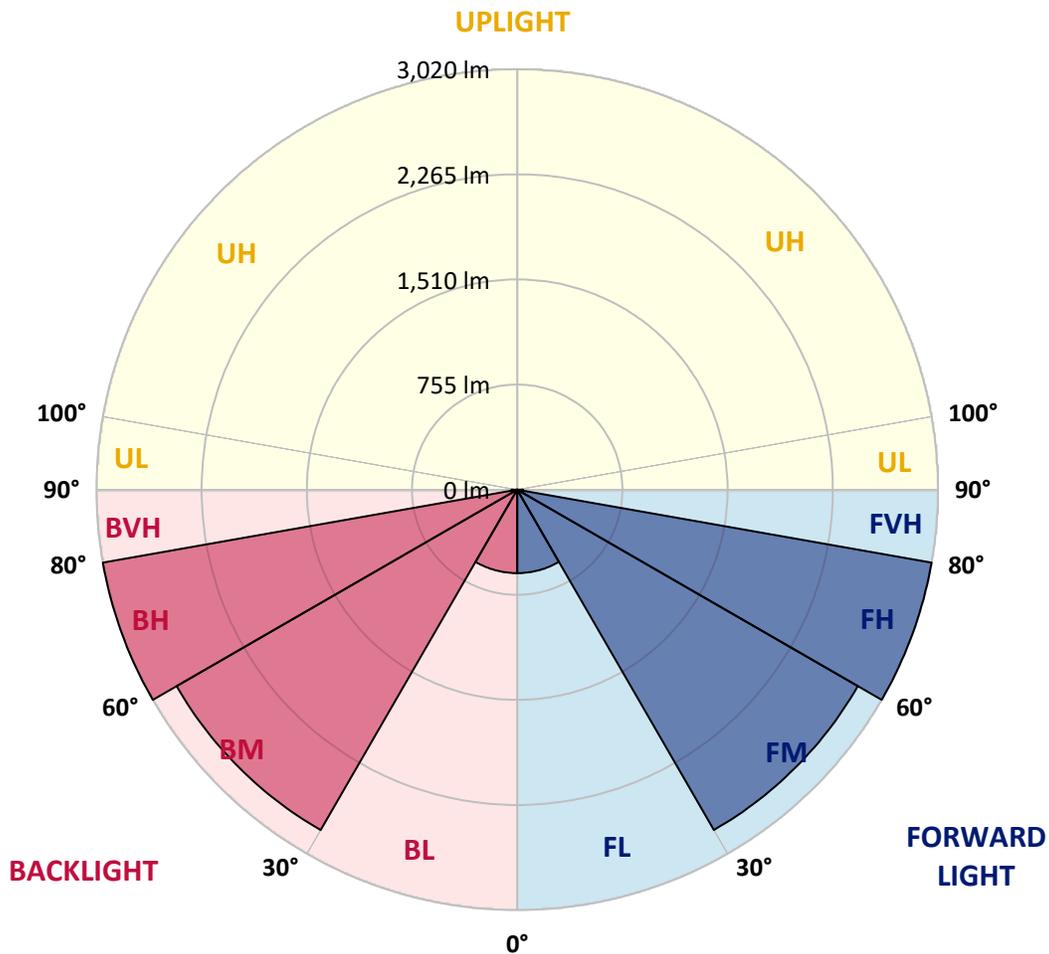
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.2	4.6			
FM	(30°-60°)	2823.0	21.8			
FH	(60°-80°)	3019.9	23.3			G2/5000
FVH	(80°-90°)	41.9	0.3			G1/100
BL	(0°-30°)	599.2	4.6	B2/1000		
BM	(30°-60°)	2823.0	21.8	B3/5000		
BH	(60°-80°)	3019.9	23.3	B4/5000		G2/5000
BVH	(80°-90°)	41.9	0.3			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°	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3	1416.3
2.5°	1414.2	1412.9	1415.9	1415.4	1412.9	1413.3	1413.3	1414.6	1414.6	1413.7	1413.7
5°	1409.0	1408.2	1411.6	1411.6	1409.0	1409.9	1410.7	1412.0	1411.6	1410.7	1410.3
7.5°	1402.6	1402.1	1405.6	1405.6	1403.9	1404.7	1403.9	1404.3	1403.4	1402.6	1401.3
10°	1391.8	1392.7	1395.7	1396.6	1396.6	1397.0	1396.1	1394.0	1392.7	1391.4	1390.1
12.5°	1382.0	1381.5	1385.8	1388.0	1391.4	1395.3	1392.7	1386.7	1384.1	1381.5	1380.7
15°	1375.5	1376.0	1380.3	1384.1	1390.1	1398.3	1395.3	1385.8	1380.7	1377.7	1376.8
17.5°	1374.2	1375.1	1380.7	1387.6	1394.0	1403.0	1401.3	1391.8	1383.3	1377.7	1376.4
20°	1377.3	1377.7	1386.3	1396.1	1407.3	1415.9	1412.0	1401.7	1390.1	1381.5	1379.4
22.5°	1382.8	1384.5	1395.3	1410.7	1427.9	1439.5	1434.8	1417.2	1399.1	1388.4	1385.4
25°	1400.4	1400.9	1415.4	1436.5	1457.1	1470.4	1464.8	1439.9	1416.7	1404.7	1400.9
27.5°	1436.9	1438.2	1452.8	1477.3	1494.8	1503.4	1500.0	1479.8	1460.1	1447.2	1448.5
30°	1489.7	1491.4	1507.7	1534.8	1545.5	1547.6	1546.8	1537.3	1519.3	1502.1	1503.4
32.5°	1554.1	1554.9	1576.8	1601.3	1609.9	1611.6	1609.9	1601.3	1579.8	1556.7	1557.9
35°	1636.9	1639.5	1660.5	1684.1	1691.0	1694.4	1691.4	1680.3	1657.9	1635.2	1634.3
37.5°	1739.1	1739.5	1761.4	1785.8	1794.4	1795.3	1791.8	1784.5	1756.7	1736.0	1734.8
40°	1857.5	1859.2	1885.0	1911.2	1914.6	1910.7	1915.4	1911.2	1882.4	1858.8	1862.7
42.5°	2001.7	2005.6	2036.5	2062.2	2052.4	2050.2	2053.2	2054.5	2031.3	2002.6	2000.0
45°	2169.5	2173.0	2211.6	2232.2	2225.7	2211.6	2217.6	2227.9	2195.7	2160.1	2163.5
47.5°	2360.9	2369.5	2410.7	2430.0	2414.2	2394.8	2406.4	2421.9	2384.1	2339.9	2337.8
50°	2573.8	2584.5	2639.5	2666.5	2650.6	2615.0	2634.3	2644.6	2590.1	2533.0	2528.3
52.5°	2800.9	2811.6	2880.7	2936.5	2926.2	2870.8	2897.9	2887.1	2824.5	2747.6	2741.6
55°	3057.9	3062.2	3136.9	3227.0	3237.3	3196.6	3194.8	3177.2	3084.5	2995.7	2991.4
57.5°	3322.3	3325.3	3421.9	3528.3	3576.8	3576.8	3528.8	3491.4	3368.2	3265.2	3254.5
60°	3607.7	3618.5	3725.3	3870.0	3983.3	4016.7	3931.8	3830.0	3696.1	3570.4	3557.9
62.5°	3861.8	3874.2	4037.8	4253.2	4435.2	4557.1	4349.4	4183.7	3939.9	3738.2	3714.6
65°	3894.0	3927.5	4165.7	4555.8	4963.1	5206.4	4808.1	4400.0	3955.8	3675.5	3651.5
67.5°	3556.2	3612.9	3934.8	4542.1	5383.7	5906.0	5101.3	4276.4	3670.8	3360.9	3334.3
70°	2732.6	2815.0	3186.3	3973.0	5311.2	6131.3	4917.6	3743.8	3060.5	2727.0	2689.7
72.5°	1499.1	1533.0	1867.0	2720.6	4257.9	5210.3	4101.7	2768.2	2029.6	1651.5	1588.8
75°	475.5	487.6	657.5	1113.3	2408.6	3451.1	2605.6	1358.8	748.1	551.5	545.1
77.5°	211.2	212.4	237.8	324.9	829.6	1748.5	996.6	370.0	254.9	222.7	230.0
80°	133.5	133.5	147.2	160.9	225.8	507.7	269.5	176.0	150.2	139.5	142.5
82.5°	63.9	70.8	95.7	103.0	124.0	170.8	138.2	115.0	100.4	74.7	69.5
85°	42.1	35.2	60.5	68.2	72.1	82.0	80.3	76.0	65.7	37.3	41.6
87.5°	18.9	18.0	31.3	28.8	27.0	20.6	30.9	38.2	36.9	18.5	18.5
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)