

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: P1208012

Luminaire Tested: UPW-SA1-040-727-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 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: 5376 lumens
Efficiency: N/A
Efficacy: 122.2 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

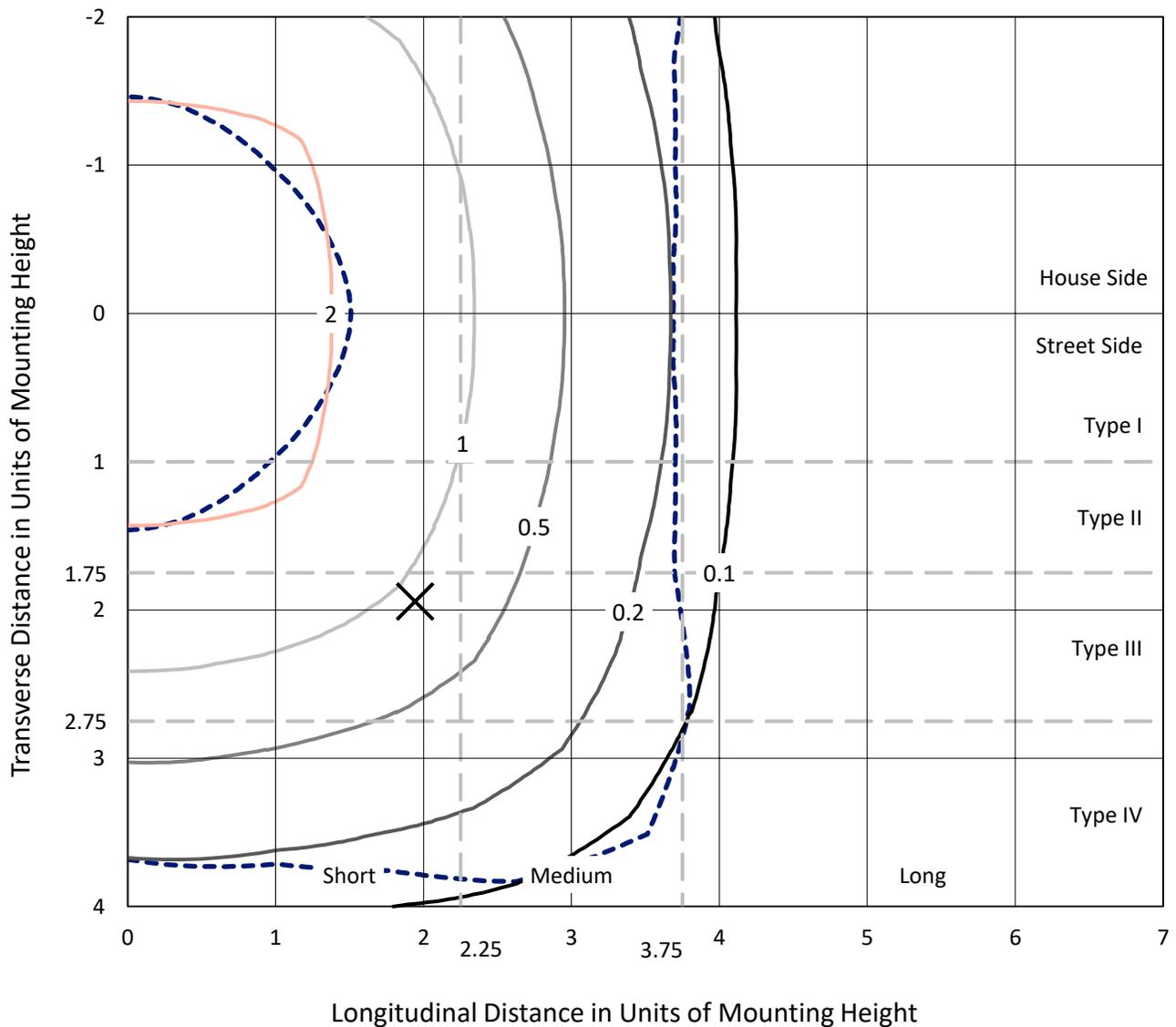
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

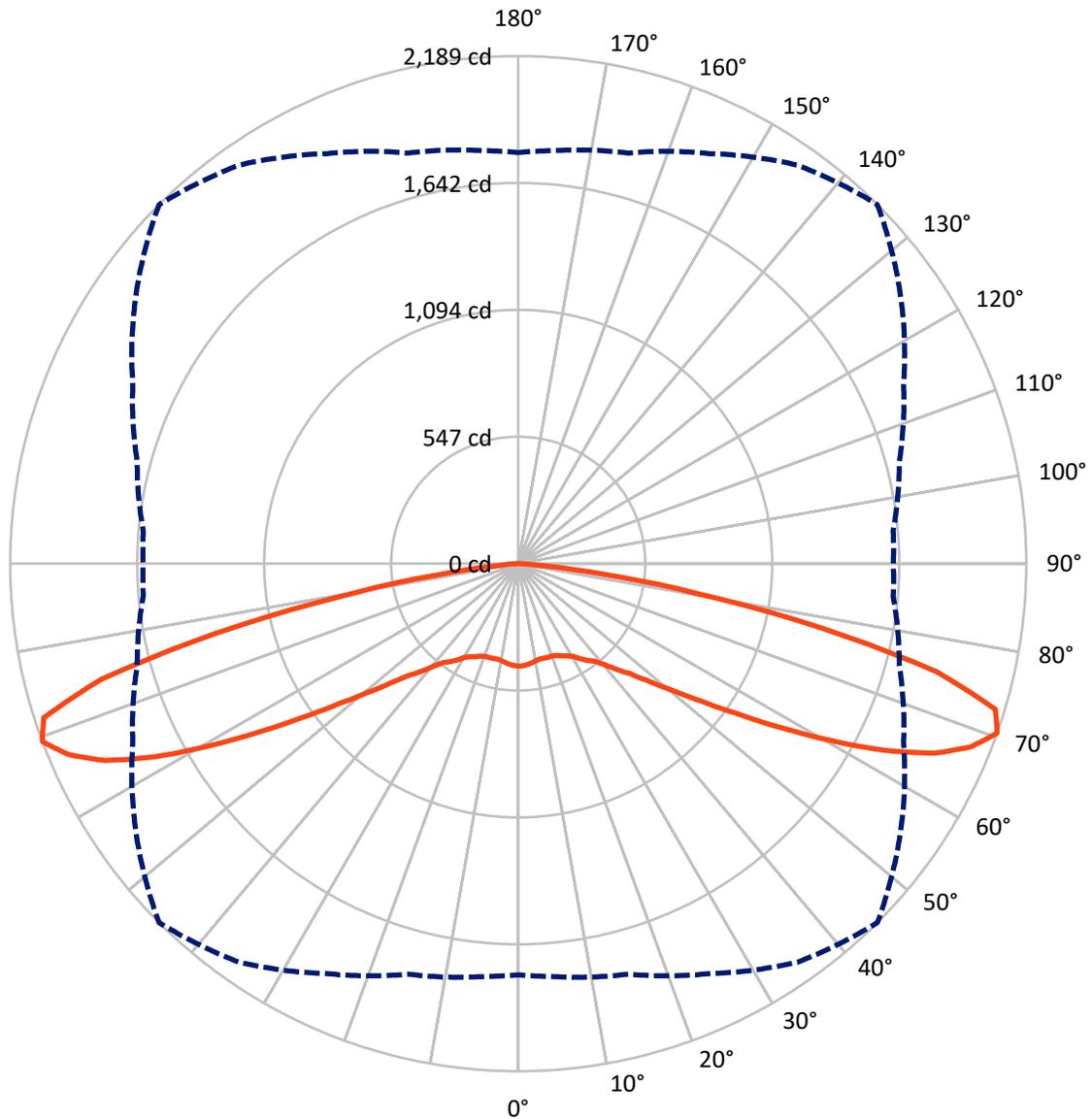
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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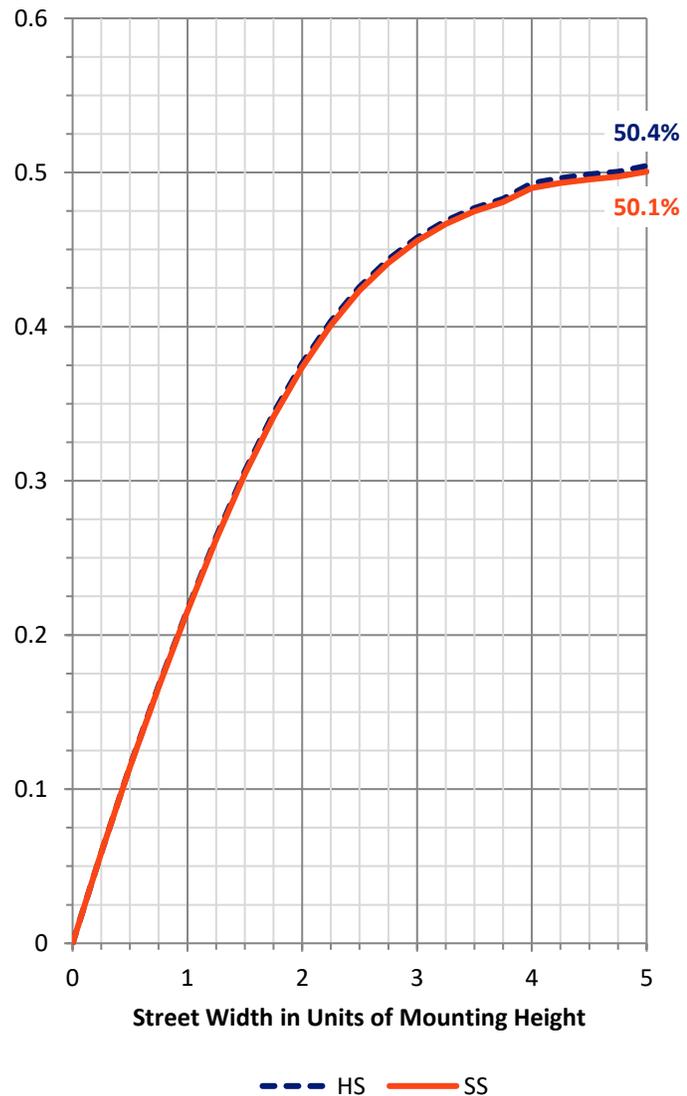
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2688.0	0.0	2688.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2688.0	0.0	2688.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5376.0	0.0	5376.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.8
10°-20°	120.6	2.2
20°-30°	205.7	3.8
30°-40°	321.3	6.0
40°-50°	544.6	10.1
50°-60°	993.1	18.5
60°-70°	1709.8	31.8
70°-80°	1340.2	24.9
80°-90°	99.4	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°	5376.0	100.0
0°-180°	5376.0	100.0



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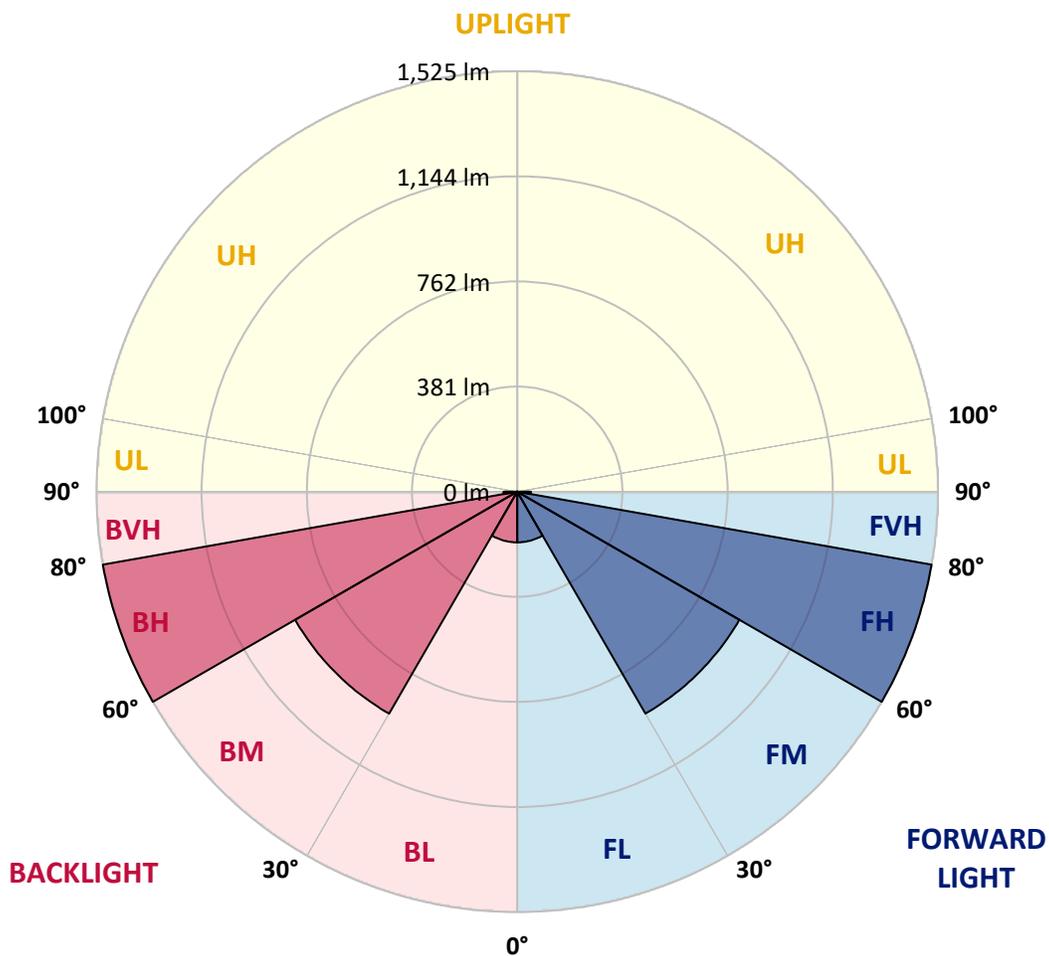
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.8	3.4			
FM	(30°-60°)	929.6	17.3			
FH	(60°-80°)	1525.0	28.4			G1/1800
FVH	(80°-90°)	49.7	0.9			G1/100
BL	(0°-30°)	183.8	3.4	B1/500		
BM	(30°-60°)	929.6	17.3	B1/1000		
BH	(60°-80°)	1525.0	28.4	B3/2500		G1/1800
BVH	(80°-90°)	49.7	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°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	440.5	441.0	440.5	440.8	440.0	440.3	440.3	440.3	440.1	440.3	440.0
5°	436.6	436.9	436.2	436.6	436.0	436.6	436.8	436.6	436.2	436.4	435.7
7.5°	430.7	431.1	430.5	431.1	430.4	431.2	431.1	430.5	430.0	430.0	429.3
10°	427.5	427.7	426.3	425.7	424.1	424.5	425.0	425.6	426.1	427.2	427.0
12.5°	427.7	427.7	425.6	423.2	420.9	421.5	422.4	424.3	426.4	428.4	428.6
15°	429.5	429.3	426.1	422.4	420.8	422.4	422.9	424.1	427.5	430.9	431.1
17.5°	430.7	430.7	425.7	421.5	421.3	423.8	423.6	424.1	427.9	432.8	433.0
20°	433.0	433.0	426.6	422.0	422.0	424.7	424.8	425.7	429.5	435.0	435.9
22.5°	438.2	438.4	431.6	427.9	428.2	429.8	430.4	431.8	435.2	441.2	442.3
25°	445.5	445.8	438.9	436.8	438.0	441.0	440.7	441.7	445.5	451.3	452.4
27.5°	455.6	454.7	448.3	447.4	448.7	450.8	450.6	450.8	453.8	459.2	460.4
30°	468.8	468.4	463.8	464.3	463.8	463.1	463.3	464.7	466.3	470.5	471.8
32.5°	481.6	481.9	479.1	481.7	485.7	488.3	484.2	480.3	478.5	480.9	481.9
35°	504.7	505.6	501.1	499.4	504.7	512.5	501.0	494.6	498.1	501.1	502.0
37.5°	544.0	544.5	537.1	529.9	526.0	533.5	521.9	522.5	534.9	540.6	540.4
40°	588.8	589.0	584.0	577.8	571.0	572.8	568.2	569.6	577.8	582.9	584.4
42.5°	642.2	641.6	633.8	624.9	622.9	624.7	616.9	615.8	625.3	634.5	634.7
45°	711.3	710.1	699.9	690.2	680.7	676.8	674.9	680.0	693.0	701.5	701.7
47.5°	785.8	782.5	777.1	769.3	761.1	757.2	754.0	756.5	765.9	769.3	769.7
50°	862.5	863.2	864.3	861.2	858.2	857.0	848.6	843.8	846.7	840.4	839.5
52.5°	953.4	954.8	965.1	973.8	979.0	981.6	965.8	949.3	940.0	927.9	924.4
55°	1060.6	1062.9	1078.0	1102.2	1127.1	1140.3	1111.6	1080.7	1052.1	1029.5	1022.2
57.5°	1180.1	1184.2	1205.0	1251.4	1302.4	1333.6	1285.2	1229.0	1173.7	1141.1	1135.5
60°	1320.2	1324.1	1352.9	1419.5	1502.1	1548.9	1475.6	1383.7	1314.9	1283.8	1273.3
62.5°	1487.0	1487.4	1522.8	1600.5	1709.7	1774.8	1675.5	1552.6	1481.7	1444.2	1434.0
65°	1666.5	1667.4	1704.0	1787.9	1900.8	1971.6	1859.6	1731.5	1644.8	1589.5	1581.6
67.5°	1793.3	1797.0	1835.6	1936.6	2042.2	2106.1	1990.1	1845.4	1745.1	1679.1	1672.5
70°	1773.0	1787.6	1832.9	1950.8	2097.7	2188.8	2011.3	1831.8	1699.5	1621.6	1616.1
72.5°	1546.2	1574.2	1634.6	1789.3	2024.3	2149.6	1895.9	1640.7	1490.9	1424.6	1414.7
75°	1052.9	1098.3	1189.5	1412.7	1729.4	1861.2	1596.0	1308.1	1167.3	1075.5	1068.8
77.5°	469.5	479.8	595.4	852.3	1193.4	1336.6	1159.6	855.7	642.3	512.3	484.9
80°	130.9	132.5	176.8	317.4	597.3	785.3	641.3	333.4	187.4	132.1	124.5
82.5°	41.6	45.2	55.1	82.3	200.8	358.3	206.1	88.9	63.3	50.5	45.5
85°	20.3	20.1	27.9	33.4	51.2	79.3	54.6	41.3	36.1	24.0	21.7
87.5°	8.5	8.7	13.0	11.7	14.9	12.8	17.6	18.5	19.4	10.7	9.2
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)