

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: P1208039

Luminaire Tested: UPW-SA1-040-730-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5854 lumens
Efficiency: N/A
Efficacy: 133.0 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

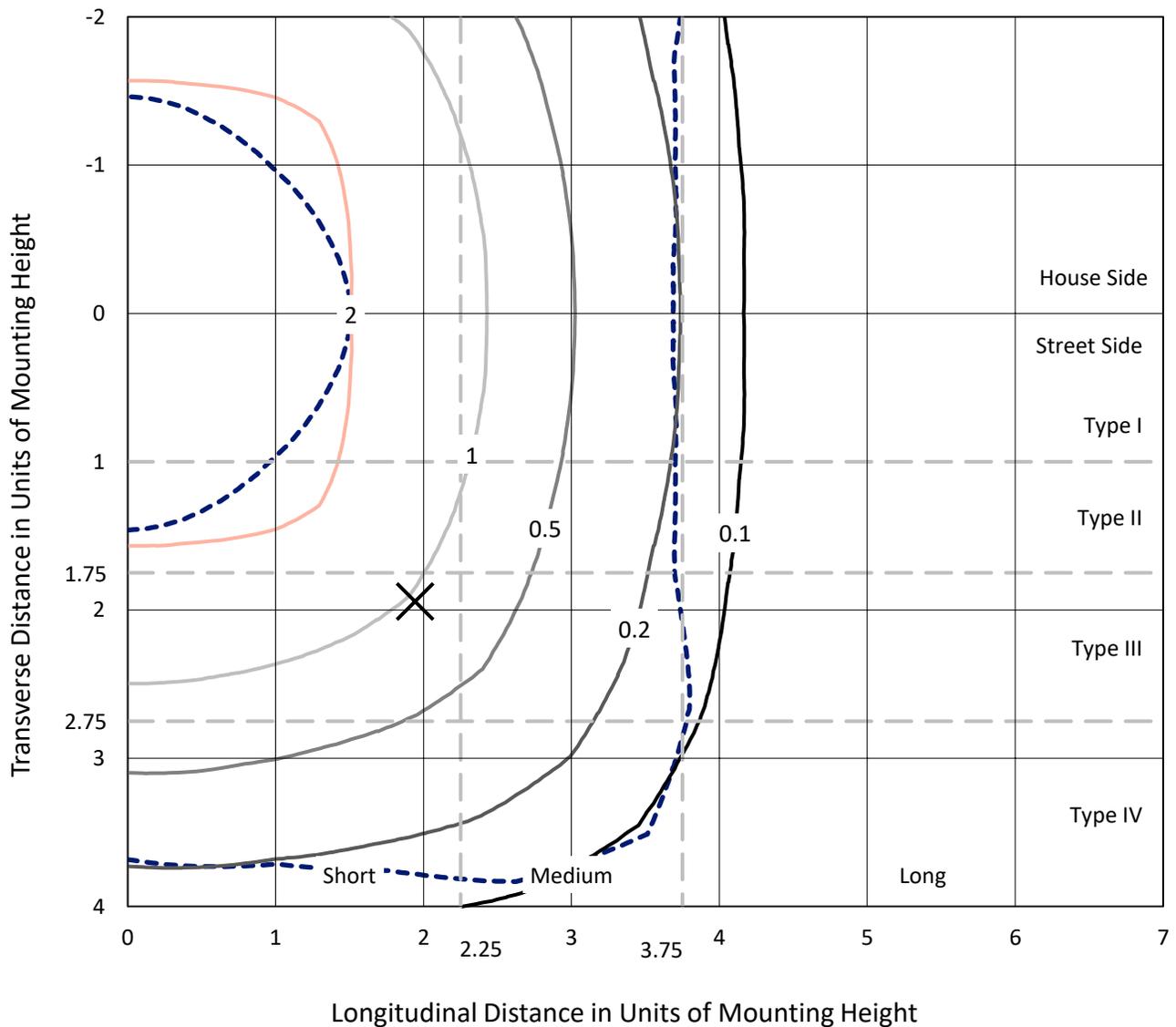


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Iso-Footcandle Lines of Horizontal Illumination

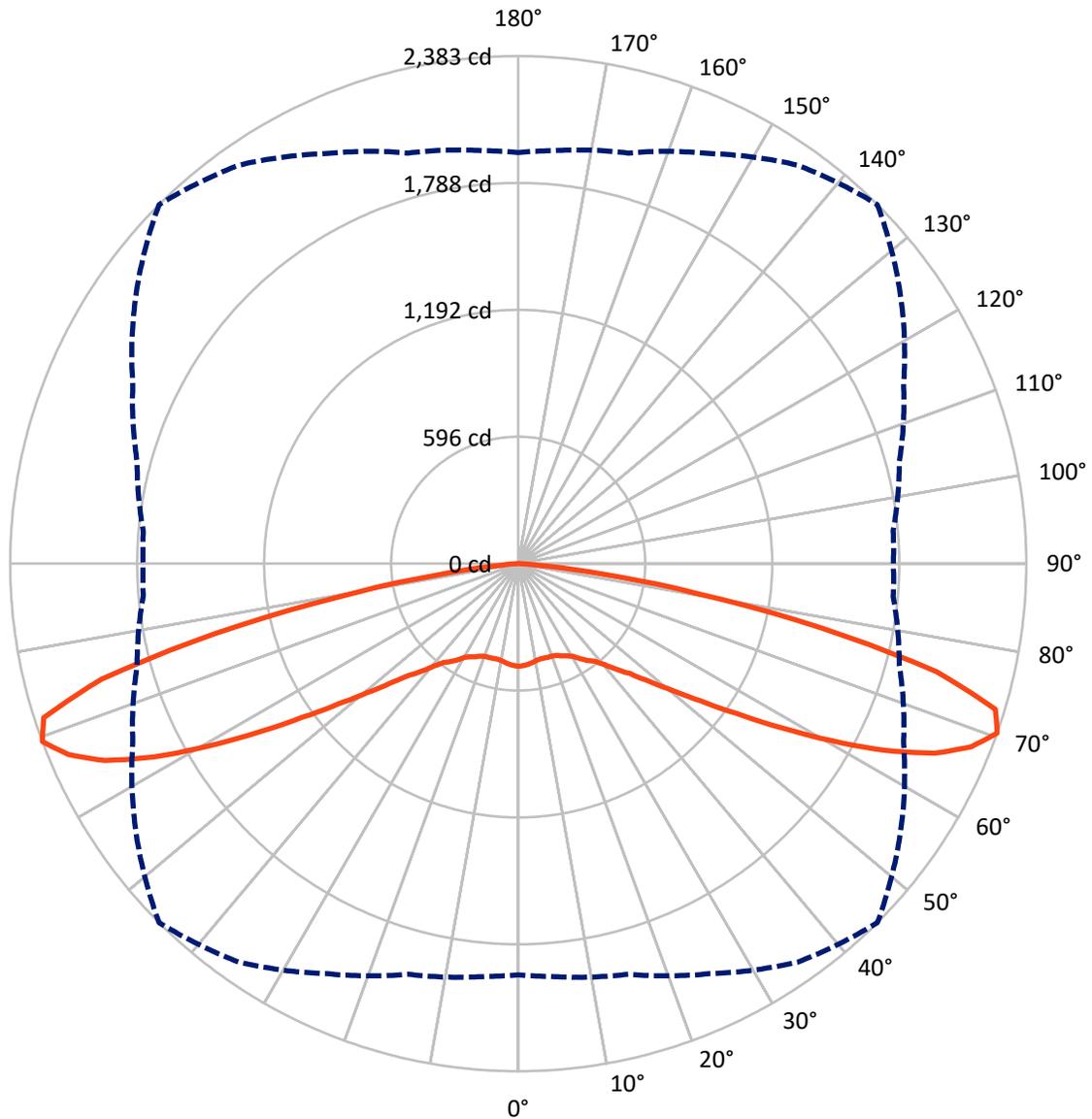
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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	2927.0	0.0	2927.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2927.0	0.0	2927.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5854.0	0.0	5854.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	0.8
10°-20°	131.3	2.2
20°-30°	223.9	3.8
30°-40°	349.9	6.0
40°-50°	593.0	10.1
50°-60°	1081.4	18.5
60°-70°	1861.8	31.8
70°-80°	1459.3	24.9
80°-90°	108.2	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°	5854.0	100.0
0°-180°	5854.0	100.0



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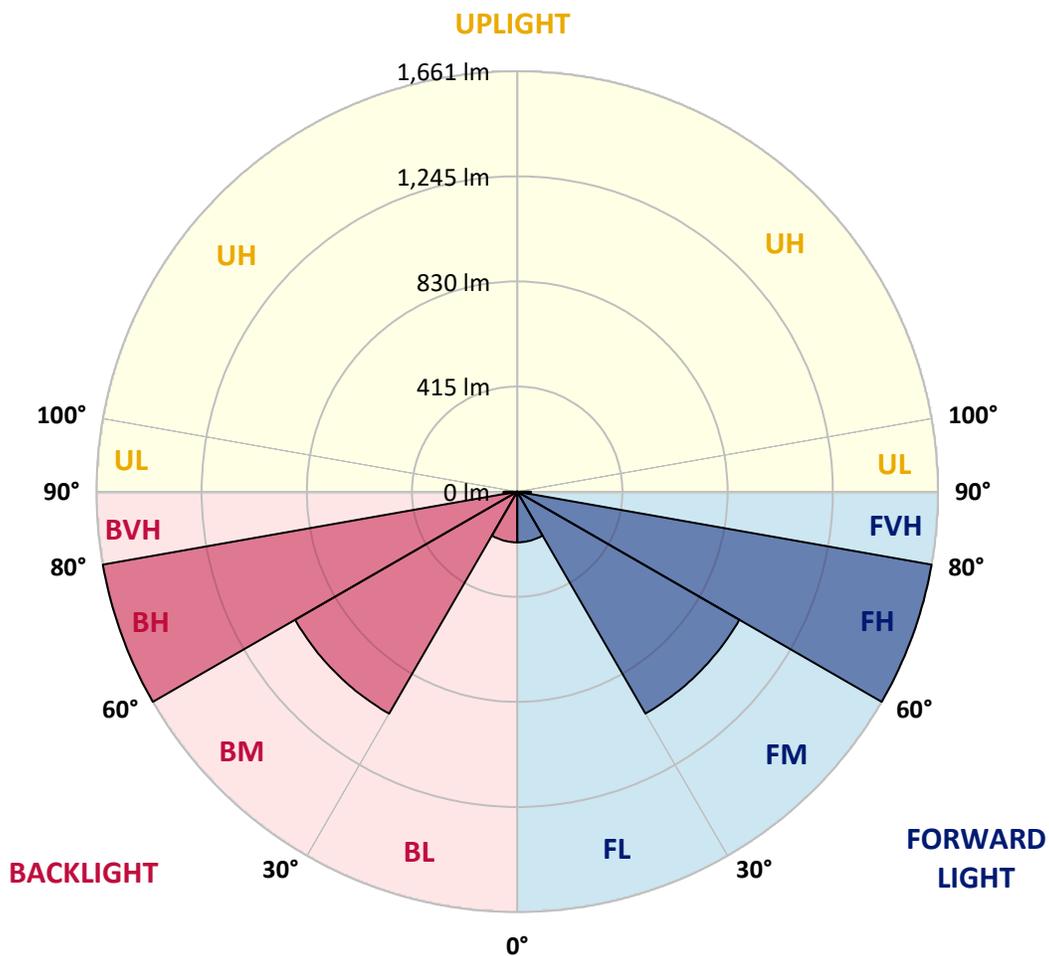
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.1	3.4			
FM	(30°-60°)	1012.2	17.3			
FH	(60°-80°)	1660.6	28.4			G1/1800
FVH	(80°-90°)	54.1	0.9			G1/100
BL	(0°-30°)	200.1	3.4	B1/500		
BM	(30°-60°)	1012.2	17.3	B2/2500		
BH	(60°-80°)	1660.6	28.4	B3/2500		G1/1800
BVH	(80°-90°)	54.1	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°	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8
2.5°	479.7	480.2	479.7	480.0	479.1	479.5	479.5	479.5	479.3	479.5	479.1
5°	475.4	475.8	475.0	475.4	474.8	475.4	475.6	475.4	475.0	475.2	474.4
7.5°	469.0	469.4	468.8	469.4	468.6	469.6	469.4	468.8	468.2	468.2	467.5
10°	465.5	465.7	464.2	463.6	461.8	462.2	462.8	463.4	464.0	465.1	464.9
12.5°	465.7	465.7	463.4	460.9	458.4	458.9	459.9	462.0	464.4	466.5	466.7
15°	467.6	467.5	464.0	459.9	458.2	459.9	460.5	461.8	465.5	469.2	469.4
17.5°	469.0	469.0	463.6	458.9	458.7	461.5	461.3	461.8	465.9	471.3	471.5
20°	471.5	471.5	464.6	459.5	459.5	462.4	462.6	463.6	467.6	473.7	474.6
22.5°	477.1	477.3	470.0	465.9	466.3	468.0	468.6	470.2	473.8	480.4	481.6
25°	485.1	485.5	477.9	475.6	476.9	480.2	479.8	481.0	485.1	491.5	492.6
27.5°	496.1	495.1	488.2	487.2	488.6	490.9	490.7	490.9	494.2	500.0	501.3
30°	510.4	510.1	505.0	505.6	505.0	504.2	504.4	506.0	507.7	512.4	513.7
32.5°	524.4	524.8	521.7	524.6	528.8	531.7	527.3	523.0	521.1	523.6	524.8
35°	549.6	550.5	545.7	543.8	549.6	558.1	545.5	538.5	542.4	545.7	546.7
37.5°	592.4	592.9	584.8	577.1	572.8	580.9	568.3	568.9	582.5	588.7	588.5
40°	641.2	641.3	635.9	629.1	621.8	623.7	618.7	620.2	629.1	634.8	636.3
42.5°	699.2	698.7	690.1	680.5	678.3	680.3	671.7	670.6	680.9	690.9	691.1
45°	774.6	773.2	762.2	751.5	741.3	737.0	734.9	740.5	754.6	763.9	764.1
47.5°	855.7	852.0	846.2	837.7	828.8	824.5	821.0	823.8	834.0	837.7	838.1
50°	939.2	939.9	941.1	937.8	934.5	933.2	924.1	918.8	921.9	915.2	914.2
52.5°	1038.1	1039.7	1050.9	1060.4	1066.0	1068.9	1051.7	1033.7	1023.6	1010.4	1006.6
55°	1154.9	1157.4	1173.9	1200.2	1227.3	1241.6	1210.5	1176.8	1145.6	1121.0	1113.1
57.5°	1285.0	1289.5	1312.1	1362.7	1418.2	1452.1	1399.5	1338.3	1278.0	1242.6	1236.4
60°	1437.6	1441.9	1473.2	1545.7	1635.7	1686.6	1606.9	1506.7	1431.8	1397.9	1386.5
62.5°	1619.2	1619.6	1658.2	1742.8	1861.7	1932.6	1824.5	1690.7	1613.4	1572.6	1561.5
65°	1814.6	1815.6	1855.5	1946.9	2069.9	2146.9	2024.9	1885.5	1791.0	1730.8	1722.3
67.5°	1952.7	1956.8	1998.8	2108.8	2223.8	2293.3	2167.1	2009.4	1900.2	1828.4	1821.2
70°	1930.6	1946.5	1995.9	2124.3	2284.2	2383.4	2190.1	1994.7	1850.7	1765.8	1759.8
72.5°	1683.7	1714.1	1780.0	1948.4	2204.2	2340.8	2064.4	1786.6	1623.5	1551.3	1540.4
75°	1146.6	1195.9	1295.3	1538.3	1883.2	2026.7	1738.0	1424.4	1271.1	1171.2	1163.8
77.5°	511.2	522.5	648.3	928.1	1299.5	1455.4	1262.7	931.8	699.4	557.9	528.1
80°	142.5	144.3	192.5	345.7	650.4	855.1	698.3	363.1	204.1	143.9	135.6
82.5°	45.3	49.2	60.0	89.7	218.6	390.2	224.4	96.8	68.9	55.0	49.6
85°	22.1	21.9	30.4	36.4	55.8	86.4	59.4	44.9	39.3	26.1	23.6
87.5°	9.3	9.5	14.1	12.8	16.3	13.9	19.2	20.1	21.1	11.6	10.1
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)