

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: P1207862

Luminaire Tested: UPW-SA1-030-740-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-740-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4999 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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

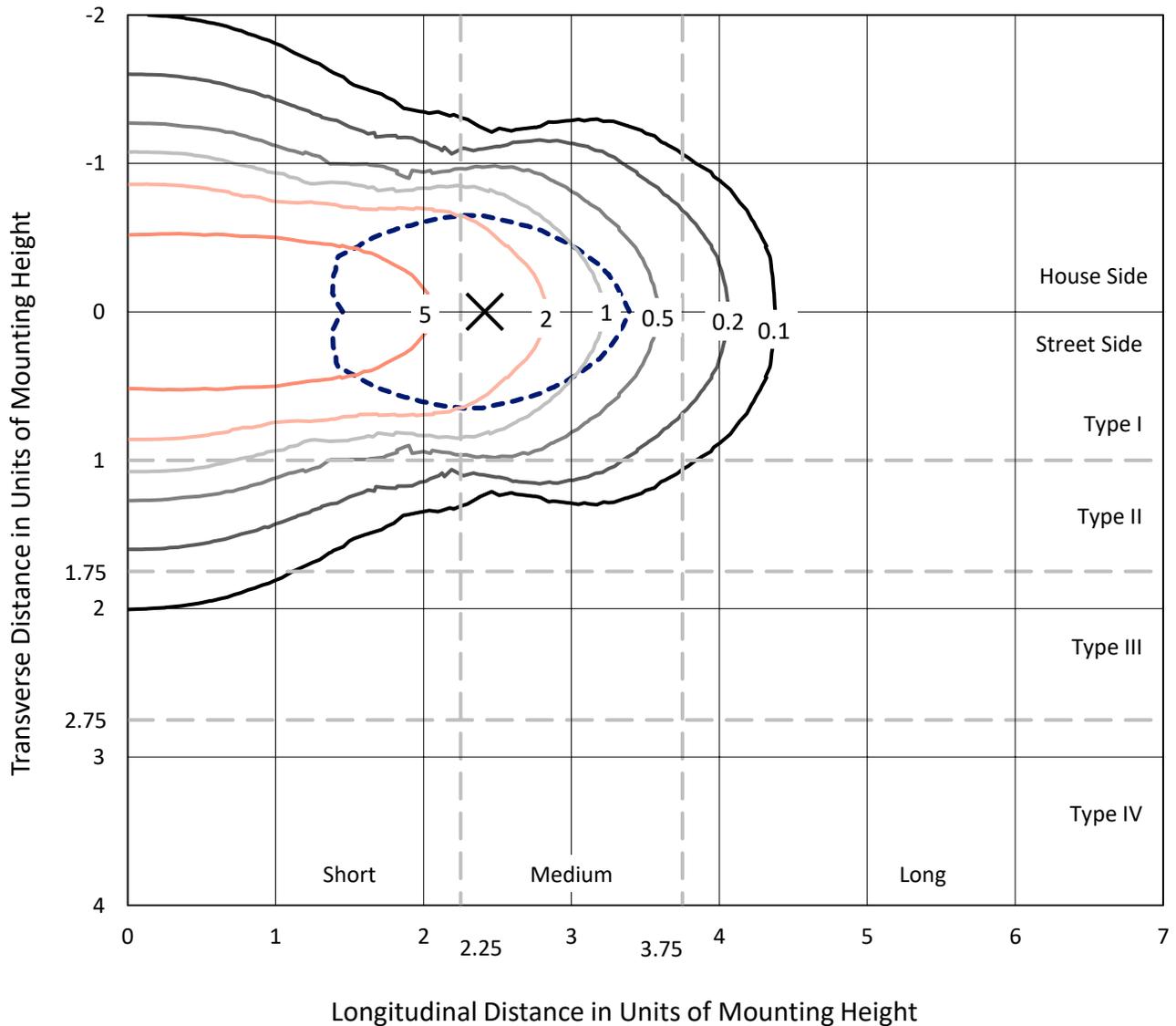


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Iso-Footcandle Lines of Horizontal Illumination

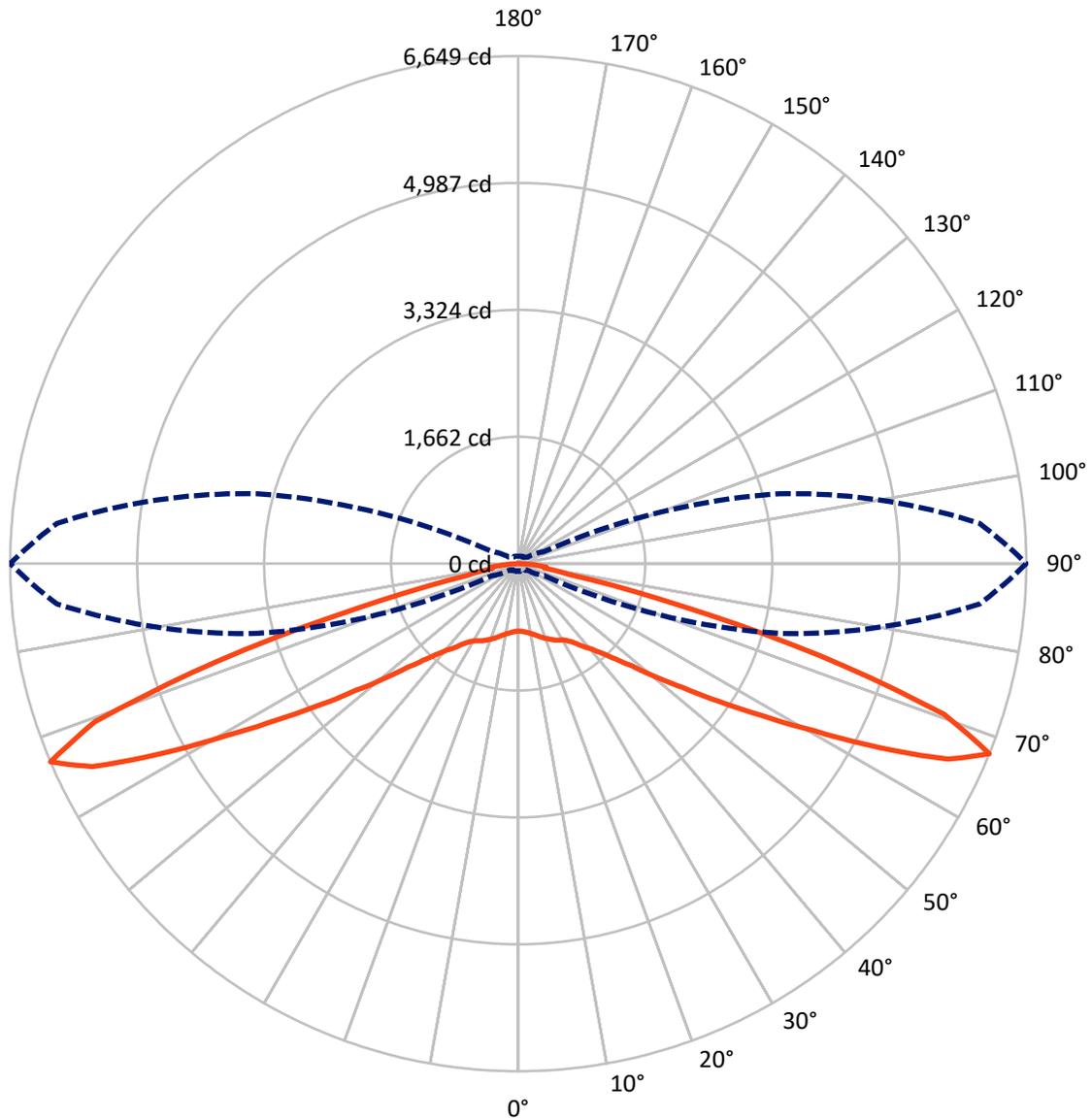
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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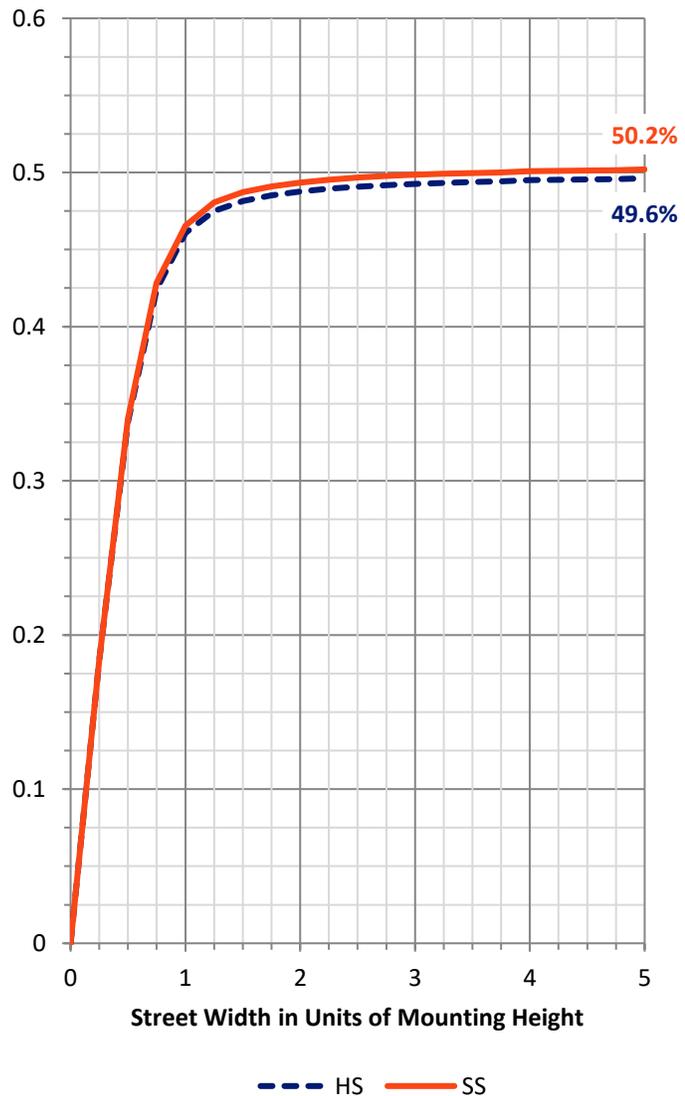
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2499.5	0.0	2499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2499.5	0.0	2499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4999.0	0.0	4999.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.8
10°-20°	282.3	5.6
20°-30°	472.5	9.5
30°-40°	640.1	12.8
40°-50°	810.8	16.2
50°-60°	1012.9	20.3
60°-70°	1190.6	23.8
70°-80°	455.5	9.1
80°-90°	46.1	0.9
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°	4999.0	100.0
0°-180°	4999.0	100.0



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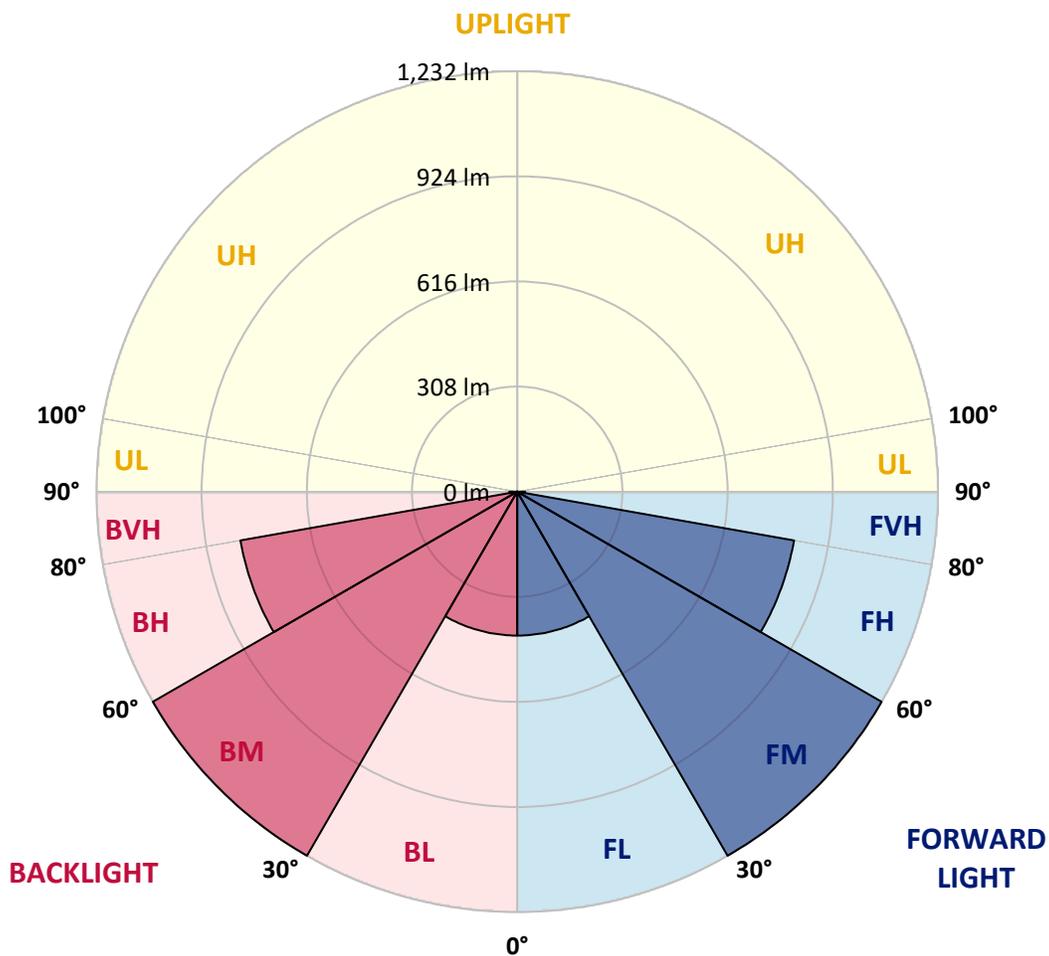
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	8.4			
FM (30°-60°)	1231.9	24.6			
FH (60°-80°)	823.0	16.5			G1/1800
FVH (80°-90°)	23.1	0.5			G1/100
BL (0°-30°)	421.5	8.4	B1/500		
BM (30°-60°)	1231.9	24.6	B2/2500		
BH (60°-80°)	823.0	16.5	B2/1000		G2/1000
BVH (80°-90°)	23.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0
2.5°	896.3	895.8	896.1	895.8	896.6	896.1	892.7	890.0	887.7	888.0	887.2
5°	915.4	915.7	916.0	914.6	916.5	915.4	910.2	905.7	901.3	899.6	899.1
7.5°	931.2	932.6	933.4	934.8	938.1	938.1	935.4	929.0	919.3	913.8	913.5
10°	947.0	948.1	950.6	955.0	960.5	965.8	964.7	956.1	943.7	934.3	932.0
12.5°	952.5	953.9	962.2	974.9	987.4	997.6	997.6	990.7	974.7	960.3	956.1
15°	933.1	935.6	950.6	977.7	1010.4	1032.8	1037.8	1028.1	1010.9	988.8	983.8
17.5°	894.7	900.8	922.6	962.8	1017.0	1063.5	1077.9	1073.2	1051.1	1022.8	1017.0
20°	853.4	860.1	883.3	936.5	1011.5	1081.5	1123.3	1124.4	1097.0	1056.1	1047.5
22.5°	808.0	813.0	842.9	905.2	994.9	1085.7	1162.3	1181.4	1144.4	1089.3	1077.1
25°	757.1	762.6	793.9	861.2	963.6	1081.0	1198.1	1240.1	1193.9	1124.7	1109.2
27.5°	708.4	710.6	744.1	812.5	922.3	1068.8	1224.4	1294.1	1248.7	1154.0	1134.4
30°	661.6	666.8	696.5	764.0	875.0	1045.0	1247.1	1355.6	1307.7	1184.8	1159.6
32.5°	612.0	618.4	650.5	718.9	827.7	1009.3	1260.9	1422.8	1389.9	1234.6	1207.7
35°	564.4	568.6	601.0	667.4	781.4	967.7	1263.4	1498.7	1495.9	1310.2	1274.5
37.5°	515.7	521.8	554.5	618.1	732.5	923.7	1250.9	1579.2	1623.8	1415.1	1376.6
40°	468.9	474.2	506.3	570.5	676.8	870.0	1221.3	1652.9	1773.0	1523.0	1468.5
42.5°	418.0	419.4	454.5	519.9	622.3	807.7	1178.7	1718.5	1939.4	1667.8	1600.0
45°	360.1	363.7	396.4	460.6	559.7	738.0	1120.8	1772.7	2150.3	1868.5	1776.0
47.5°	302.3	305.3	335.2	398.6	491.3	658.0	1031.7	1820.3	2366.8	2123.5	2002.2
50°	245.8	247.5	271.8	328.0	414.4	573.8	921.2	1835.6	2611.5	2484.4	2329.7
52.5°	194.3	196.8	215.4	259.4	332.2	474.5	801.9	1797.9	2897.1	2912.4	2694.2
55°	157.5	158.3	172.2	204.6	259.7	370.4	658.0	1693.0	3204.4	3460.7	3182.5
57.5°	135.6	136.2	143.9	161.9	199.9	279.3	510.4	1494.5	3480.4	4103.2	3745.6
60°	123.2	123.5	127.9	138.4	158.3	214.3	365.7	1214.4	3752.8	4818.2	4445.4
62.5°	115.4	115.4	118.5	124.3	134.0	164.4	264.9	876.1	3939.4	5543.8	5307.9
65°	108.0	108.0	110.2	114.3	119.6	134.5	195.7	571.3	3934.7	6072.2	6175.5
67.5°	99.4	99.4	101.0	105.2	108.2	115.7	151.1	374.3	3534.4	6060.6	6648.8
70°	89.1	89.1	91.3	94.9	97.4	102.1	119.3	256.1	2596.5	5174.8	5913.1
72.5°	78.9	79.2	80.6	84.2	86.1	88.9	99.1	179.4	1592.8	3523.6	4134.5
75°	67.5	68.1	69.5	73.1	74.7	75.8	83.6	127.9	805.8	1899.8	2163.0
77.5°	54.5	55.6	56.5	60.3	61.5	63.1	68.9	92.5	353.8	682.6	688.7
80°	39.9	41.2	43.7	47.3	48.2	49.3	52.6	65.6	160.3	311.7	338.5
82.5°	29.3	31.3	28.2	32.9	32.9	31.6	37.1	44.0	73.6	308.6	369.3
85°	16.1	16.3	14.7	16.9	18.0	17.7	19.7	21.6	35.7	206.0	212.3
87.5°	3.9	4.2	4.4	5.3	6.4	6.4	6.9	6.1	11.6	66.7	38.2
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)