

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: P1208672

Luminaire Tested: UPW-SA1-070-827-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208672
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-SA1-070-827-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6119 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

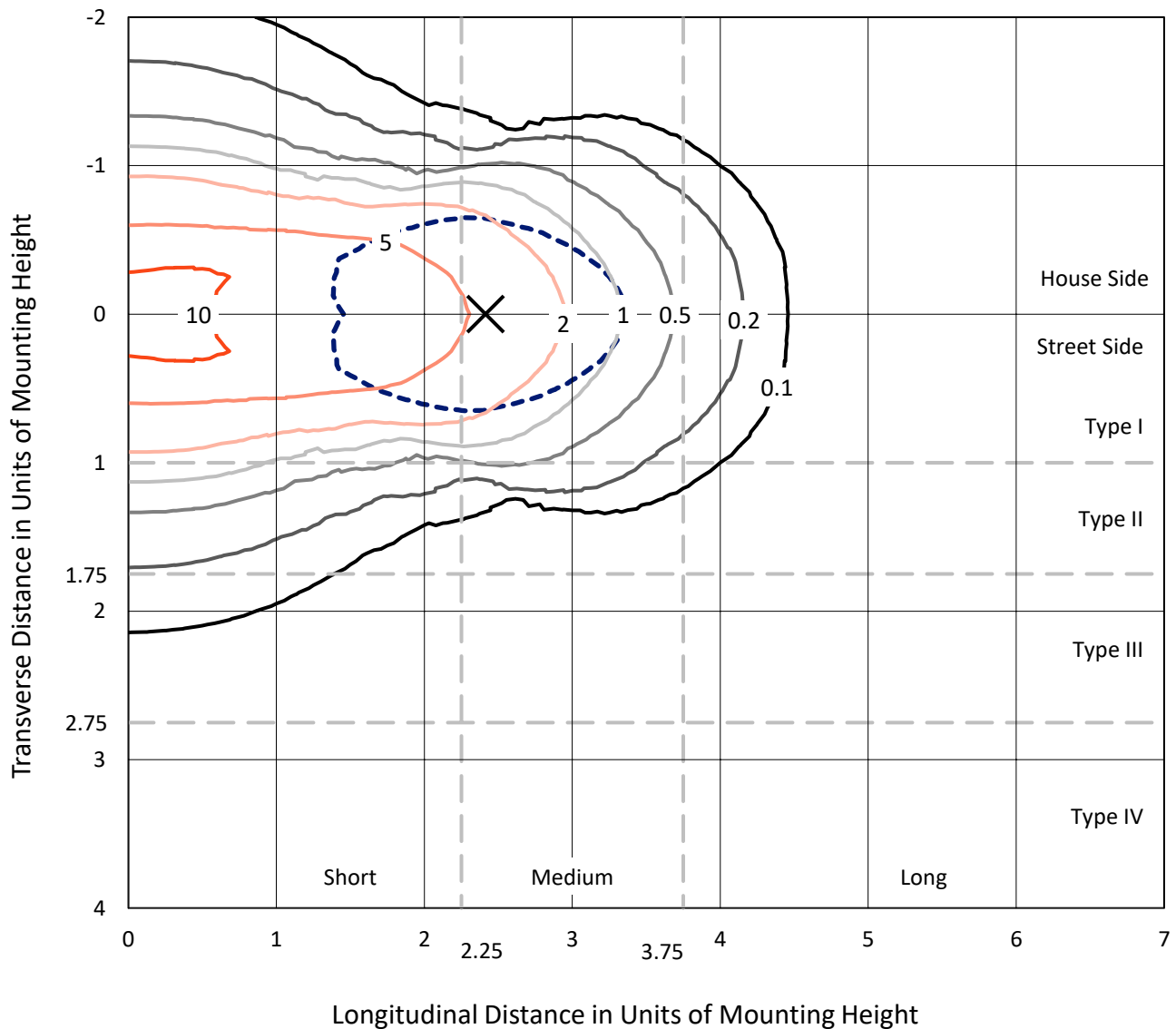


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

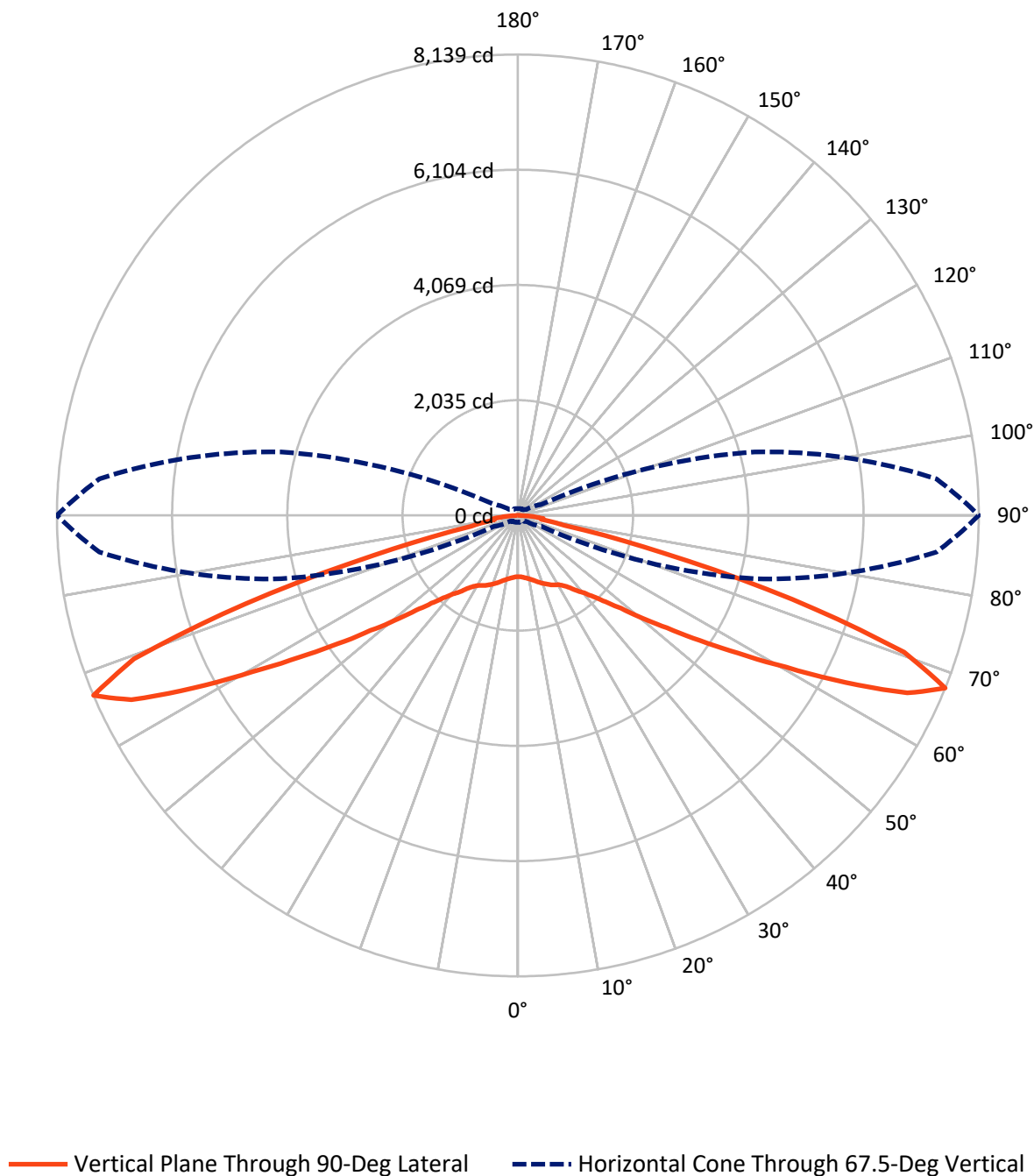


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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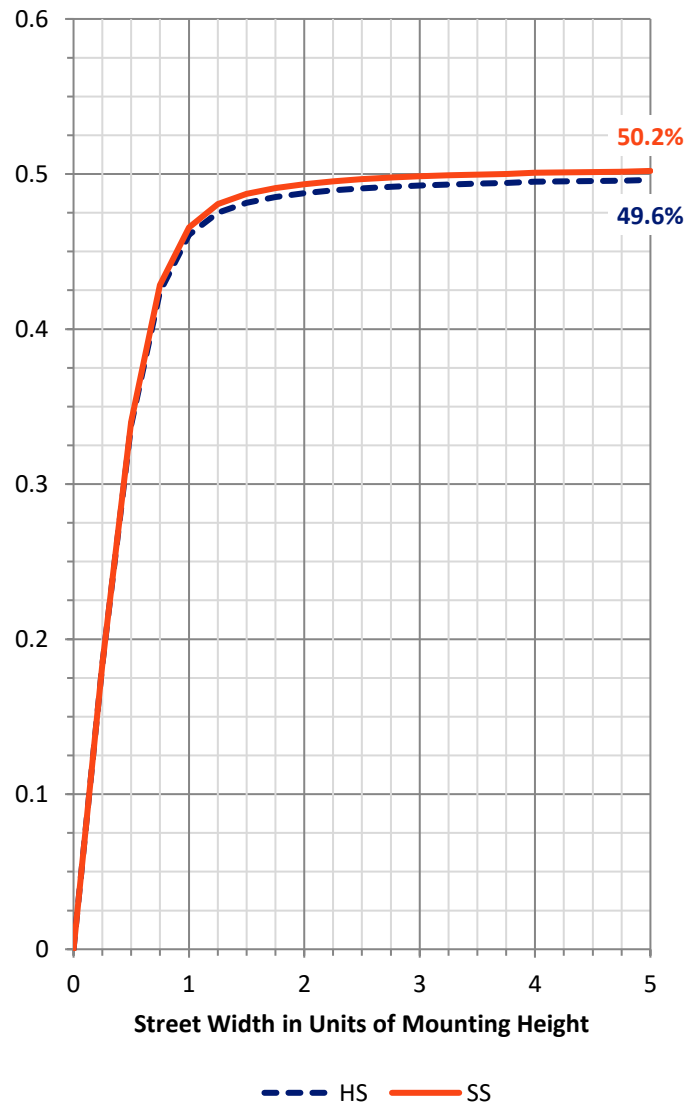
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3059.5	0.0	3059.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3059.5	0.0	3059.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6119.0	0.0	6119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	1.8
10°-20°	345.5	5.6
20°-30°	578.4	9.5
30°-40°	783.5	12.8
40°-50°	992.4	16.2
50°-60°	1239.8	20.3
60°-70°	1457.4	23.8
70°-80°	557.5	9.1
80°-90°	56.5	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°	6119.0	100.0
0°-180°	6119.0	100.0

Coefficient of Utilization



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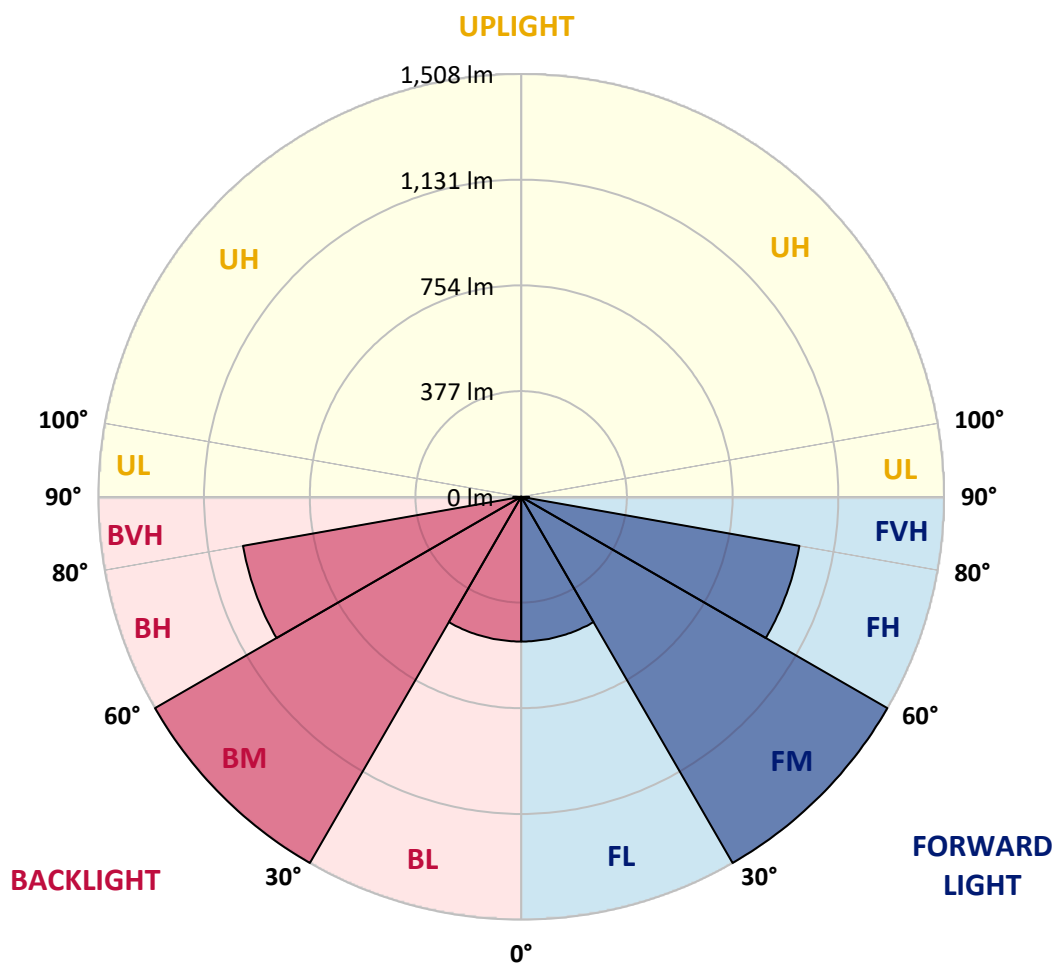
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	515.9	8.4			
FM	(30°-60°)	1507.9	24.6			
FH	(60°-80°)	1007.4	16.5			G1/1800
FVH	(80°-90°)	28.2	0.5			G1/100
BL	(0°-30°)	515.9	8.4	B2/1000		
BM	(30°-60°)	1507.9	24.6	B2/2500		
BH	(60°-80°)	1007.4	16.5	B3/2500		G3/2500
BVH	(80°-90°)	28.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3	1083.3
2.5°	1097.1	1096.5	1096.8	1096.5	1097.5	1096.8	1092.7	1089.4	1086.6	1087.0	1086.0
5°	1120.5	1120.9	1121.2	1119.5	1121.9	1120.5	1114.1	1108.7	1103.2	1101.2	1100.5
7.5°	1139.8	1141.5	1142.5	1144.2	1148.3	1148.3	1144.9	1137.1	1125.3	1118.5	1118.2
10°	1159.2	1160.5	1163.6	1169.0	1175.8	1182.2	1180.8	1170.3	1155.1	1143.6	1140.9
12.5°	1165.9	1167.6	1177.8	1193.4	1208.6	1221.2	1221.2	1212.7	1193.0	1175.4	1170.3
15°	1142.2	1145.3	1163.6	1196.8	1236.7	1264.2	1270.3	1258.4	1237.4	1210.3	1204.2
17.5°	1095.1	1102.6	1129.3	1178.5	1244.9	1301.8	1319.4	1313.7	1286.6	1252.0	1244.9
20°	1044.6	1052.8	1081.2	1146.3	1238.1	1323.8	1375.0	1376.3	1342.8	1292.7	1282.1
22.5°	989.1	995.2	1031.8	1108.0	1217.8	1328.9	1422.8	1446.1	1400.7	1333.3	1318.4
25°	926.7	933.5	971.8	1054.1	1179.5	1323.1	1466.5	1518.0	1461.4	1376.7	1357.7
27.5°	867.1	869.8	910.8	994.5	1129.0	1308.2	1498.7	1584.1	1528.5	1412.6	1388.5
30°	809.8	816.3	852.5	935.2	1071.1	1279.1	1526.4	1659.3	1600.7	1450.2	1419.4
32.5°	749.2	757.0	796.3	880.0	1013.1	1235.4	1543.4	1741.6	1701.3	1511.2	1478.3
35°	690.9	696.0	735.6	816.9	956.5	1184.6	1546.4	1834.4	1831.1	1603.7	1560.0
37.5°	631.2	638.7	678.7	756.6	896.6	1130.7	1531.2	1933.1	1987.6	1732.1	1685.0
40°	574.0	580.4	619.7	698.3	828.5	1065.0	1494.9	2023.2	2170.2	1864.3	1797.5
42.5°	511.6	513.3	556.4	636.3	761.7	988.7	1442.8	2103.5	2373.9	2041.5	1958.5
45°	440.8	445.2	485.2	563.8	685.1	903.3	1371.9	2169.9	2632.1	2287.1	2174.0
47.5°	370.0	373.7	410.3	487.9	601.4	805.4	1262.8	2228.2	2897.0	2599.2	2450.8
50°	300.9	302.9	332.7	401.5	507.2	702.4	1127.6	2246.8	3196.6	3041.0	2851.6
52.5°	237.9	240.9	263.6	317.5	406.6	580.8	981.6	2200.7	3546.2	3564.9	3297.9
55°	192.8	193.8	210.8	250.4	317.8	453.4	805.4	2072.3	3922.3	4236.1	3895.6
57.5°	166.0	166.7	176.2	198.2	244.6	341.9	624.8	1829.4	4260.2	5022.5	4584.8
60°	150.8	151.1	156.5	169.4	193.8	262.3	447.6	1486.5	4593.6	5897.8	5441.3
62.5°	141.3	141.3	145.0	152.1	164.0	201.3	324.3	1072.4	4822.0	6785.8	6497.1
65°	132.1	132.1	134.9	139.9	146.4	164.7	239.6	699.4	4816.2	7432.7	7559.1
67.5°	121.6	121.6	123.7	128.8	132.5	141.6	185.0	458.1	4326.2	7418.4	8138.5
70°	109.1	109.1	111.8	116.2	119.3	125.0	146.0	313.4	3178.3	6334.2	7237.8
72.5°	96.6	96.9	98.6	103.0	105.4	108.8	121.3	219.6	1949.7	4313.0	5060.8
75°	82.7	83.4	85.0	89.5	91.5	92.8	102.3	156.5	986.3	2325.4	2647.7
77.5°	66.8	68.1	69.1	73.9	75.2	77.3	84.4	113.2	433.0	835.6	843.0
80°	48.8	50.5	53.5	57.9	59.0	60.3	64.4	80.3	196.2	381.5	414.4
82.5°	35.9	38.3	34.6	40.3	40.3	38.6	45.4	53.9	90.1	377.8	452.0
85°	19.7	20.0	18.0	20.7	22.0	21.7	24.1	26.4	43.7	252.1	259.9
87.5°	4.7	5.1	5.4	6.4	7.8	7.8	8.5	7.5	14.2	81.7	46.8
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)