

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: P1208051

Luminaire Tested: UPW-SA1-040-730-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5583 lumens
Efficiency: N/A
Efficacy: 126.9 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): 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



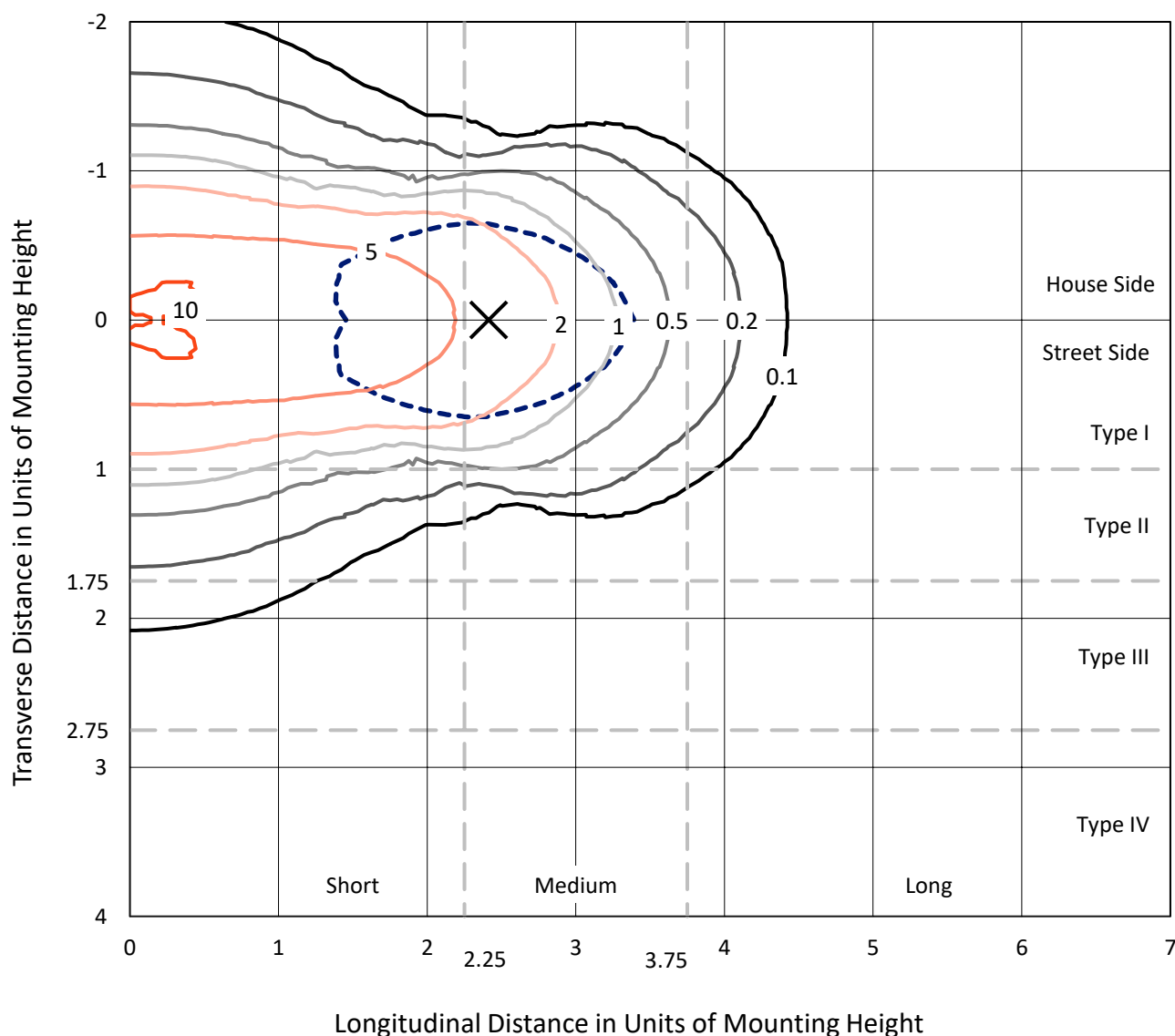
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



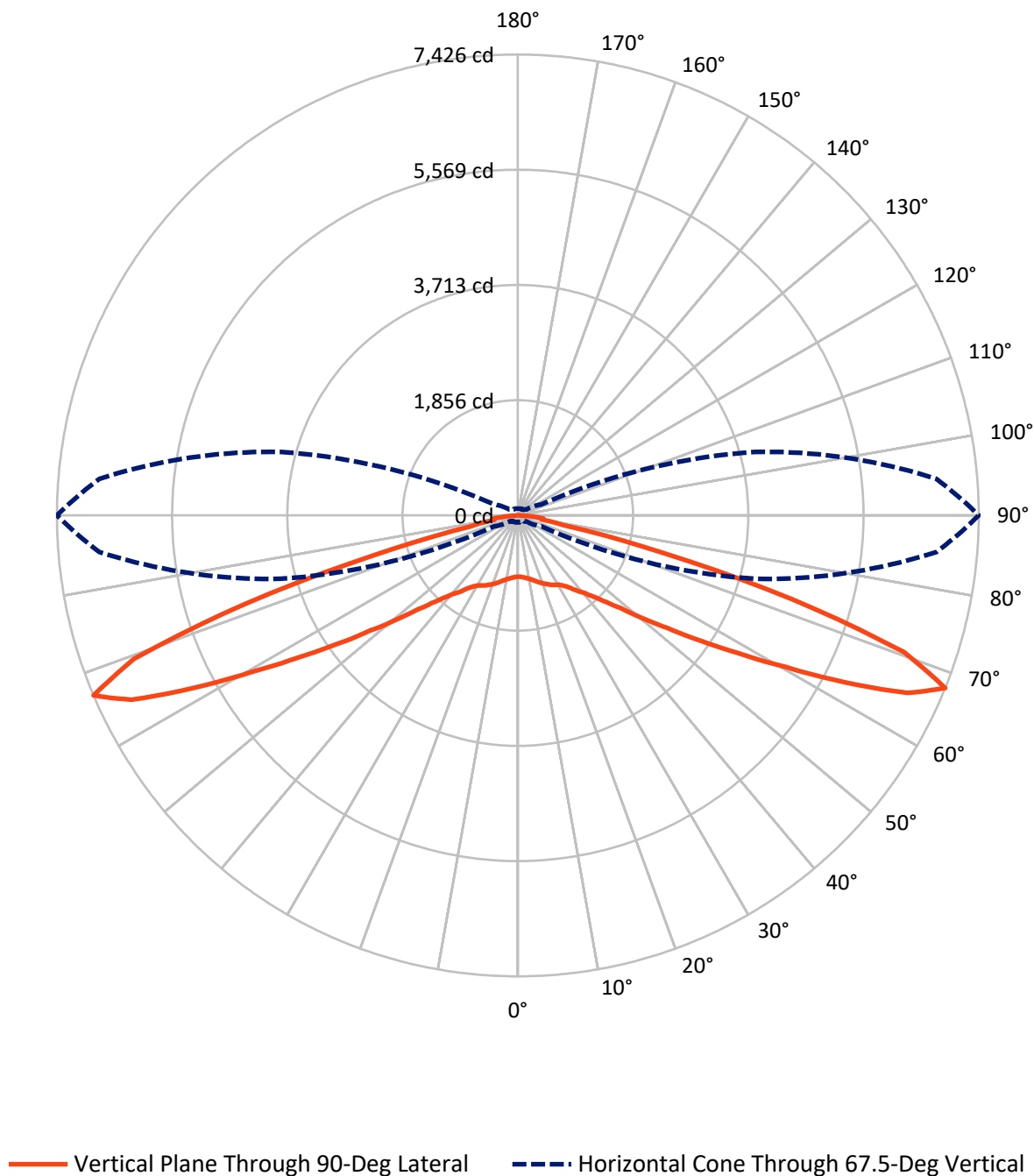
Based on 10 foot mounting height. Maximum calculated value = 10.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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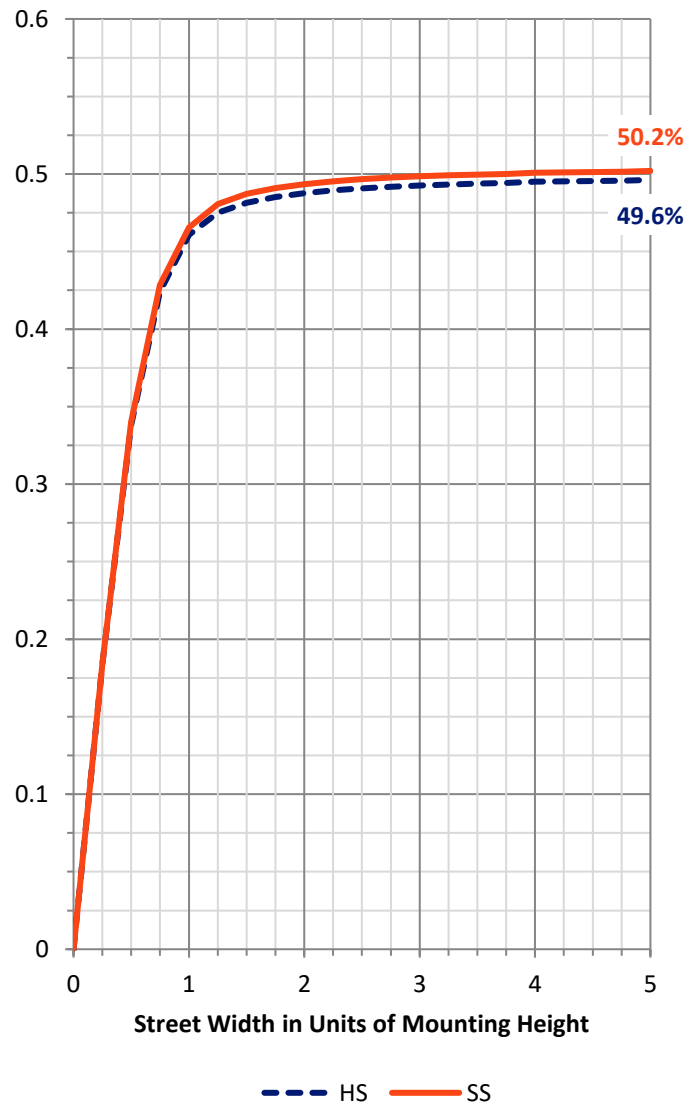
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2791.5	0.0	2791.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2791.5	0.0	2791.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5583.0	0.0	5583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.8
10°-20°	315.3	5.6
20°-30°	527.7	9.5
30°-40°	714.9	12.8
40°-50°	905.5	16.2
50°-60°	1131.2	20.3
60°-70°	1329.7	23.8
70°-80°	508.7	9.1
80°-90°	51.5	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°	5583.0	100.0
0°-180°	5583.0	100.0

Coefficient of Utilization



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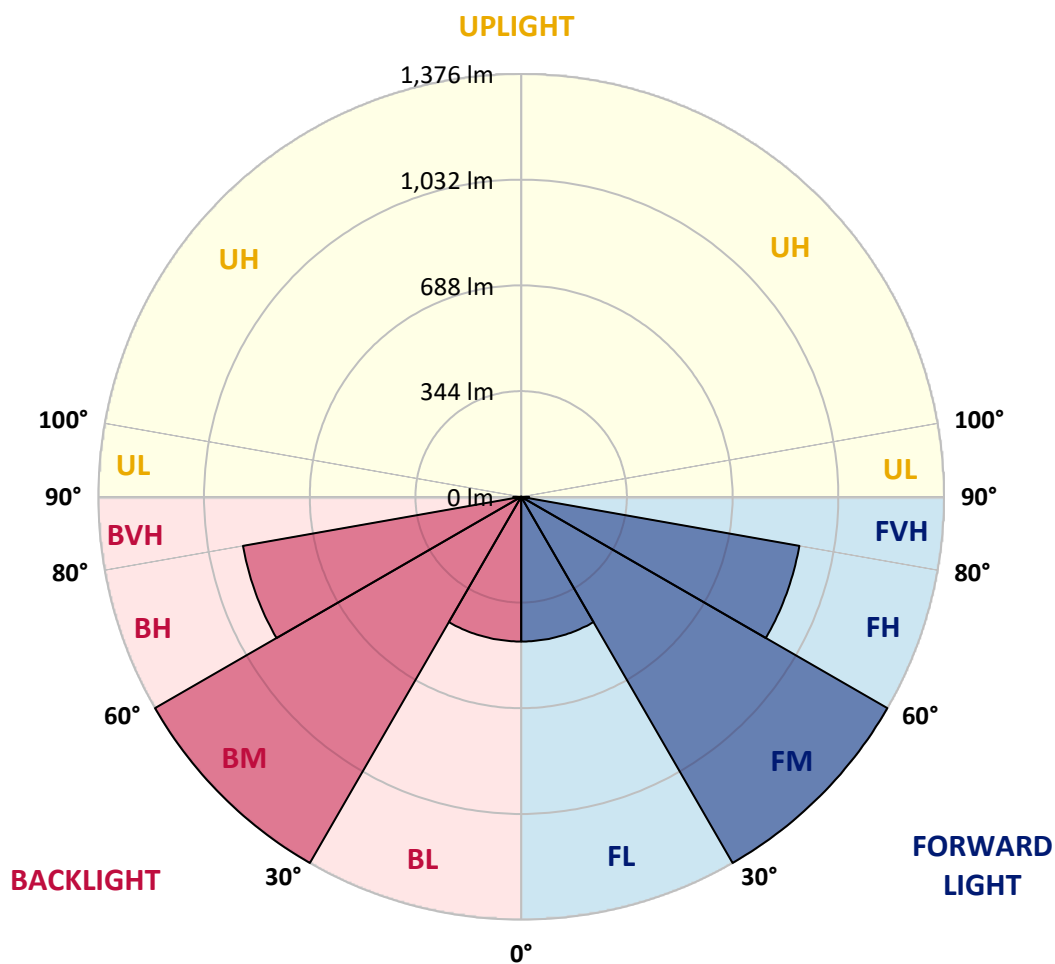
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	470.8	8.4			
FM	(30°-60°)	1375.8	24.6			
FH	(60°-80°)	919.2	16.5			G1/1800
FVH	(80°-90°)	25.8	0.5			G1/100
BL	(0°-30°)	470.8	8.4	B1/500		
BM	(30°-60°)	1375.8	24.6	B2/2500		
BH	(60°-80°)	919.2	16.5	B2/1000		G2/1000
BVH	(80°-90°)	25.8	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°	988.4	988.4	988.4	988.4	988.4	988.4	988.4	988.4	988.4	988.4	988.4
2.5°	1001.0	1000.4	1000.7	1000.4	1001.3	1000.7	997.0	993.9	991.5	991.8	990.8
5°	1022.4	1022.7	1023.0	1021.4	1023.6	1022.4	1016.5	1011.6	1006.6	1004.7	1004.1
7.5°	1040.0	1041.5	1042.5	1044.0	1047.7	1047.7	1044.6	1037.5	1026.7	1020.5	1020.2
10°	1057.6	1058.9	1061.6	1066.6	1072.8	1078.6	1077.4	1067.8	1053.9	1043.4	1040.9
12.5°	1063.8	1065.3	1074.6	1088.8	1102.8	1114.2	1114.2	1106.5	1088.5	1072.5	1067.8
15°	1042.2	1044.9	1061.6	1091.9	1128.4	1153.5	1159.0	1148.2	1129.0	1104.3	1098.7
17.5°	999.2	1006.0	1030.4	1075.2	1135.8	1187.8	1203.8	1198.6	1173.9	1142.3	1135.8
20°	953.1	960.5	986.5	1045.9	1129.6	1207.9	1254.5	1255.8	1225.2	1179.4	1169.8
22.5°	902.4	908.0	941.4	1010.9	1111.1	1212.5	1298.1	1319.5	1278.0	1216.5	1202.9
25°	845.5	851.7	886.7	961.8	1076.2	1207.2	1338.0	1385.0	1333.4	1256.1	1238.8
27.5°	791.1	793.6	831.0	907.4	1030.1	1193.6	1367.4	1445.3	1394.6	1288.9	1266.9
30°	738.9	744.8	777.8	853.3	977.2	1167.1	1392.7	1513.9	1460.4	1323.2	1295.0
32.5°	683.5	690.6	726.5	802.9	924.4	1127.2	1408.2	1589.1	1552.3	1378.8	1348.8
35°	630.4	635.0	671.2	745.4	872.7	1080.8	1411.0	1673.8	1670.7	1463.2	1423.3
37.5°	576.0	582.8	619.2	690.3	818.0	1031.6	1397.1	1763.7	1813.5	1580.4	1537.4
40°	523.7	529.6	565.4	637.2	755.9	971.7	1364.0	1846.0	1980.1	1701.0	1640.1
42.5°	466.8	468.4	507.6	580.6	695.0	902.1	1316.4	1919.2	2165.9	1862.7	1786.9
45°	402.2	406.2	442.7	514.4	625.1	824.2	1251.8	1979.8	2401.5	2086.8	1983.5
47.5°	337.6	341.0	374.4	445.2	548.7	734.9	1152.2	2033.0	2643.3	2371.5	2236.1
50°	274.5	276.4	303.6	366.3	462.8	640.9	1028.9	2050.0	2916.6	2774.7	2601.8
52.5°	217.0	219.8	240.5	289.7	371.0	529.9	895.6	2008.0	3235.6	3252.6	3009.0
55°	175.9	176.8	192.3	228.5	290.0	413.6	734.9	1890.8	3578.8	3865.0	3554.3
57.5°	151.5	152.1	160.8	180.9	223.2	311.9	570.1	1669.1	3887.0	4582.6	4183.2
60°	137.6	137.9	142.8	154.6	176.8	239.3	408.4	1356.3	4191.2	5381.1	4964.7
62.5°	128.9	128.9	132.3	138.8	149.6	183.6	295.9	978.5	4399.6	6191.4	5928.0
65°	120.6	120.6	123.0	127.7	133.6	150.2	218.6	638.1	4394.3	6781.6	6896.9
67.5°	111.0	111.0	112.8	117.5	120.9	129.2	168.8	418.0	3947.3	6768.6	7425.6
70°	99.5	99.5	102.0	106.0	108.8	114.1	133.2	286.0	2899.9	5779.3	6603.8
72.5°	88.1	88.4	90.0	94.0	96.1	99.2	110.7	200.3	1778.9	3935.2	4617.5
75°	75.4	76.1	77.6	81.6	83.5	84.7	93.4	142.8	899.9	2121.7	2415.7
77.5°	60.9	62.1	63.1	67.4	68.6	70.5	77.0	103.3	395.1	762.4	769.2
80°	44.5	46.1	48.8	52.9	53.8	55.0	58.7	73.3	179.0	348.1	378.1
82.5°	32.8	34.9	31.5	36.8	36.8	35.2	41.4	49.2	82.2	344.7	412.4
85°	17.9	18.2	16.4	18.9	20.1	19.8	21.9	24.1	39.9	230.0	237.1
87.5°	4.3	4.6	4.9	5.9	7.1	7.1	7.7	6.8	13.0	74.5	42.7
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)