

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: P1208429

Luminaire Tested: UPW-SA1-060-827-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208429
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-SA1-060-827-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5578 lumens
Efficiency: N/A
Efficacy: 96.2 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): 58
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

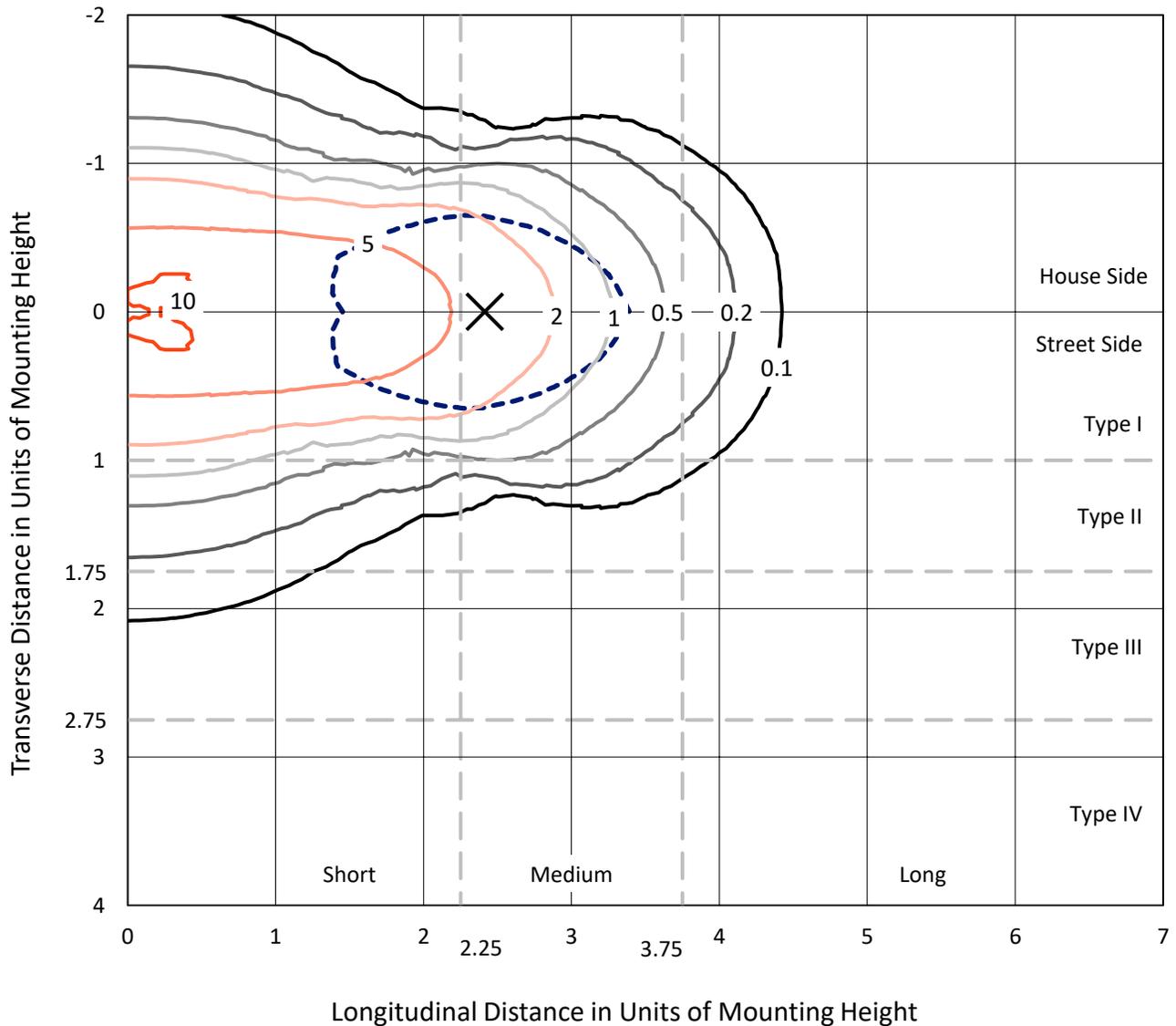


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

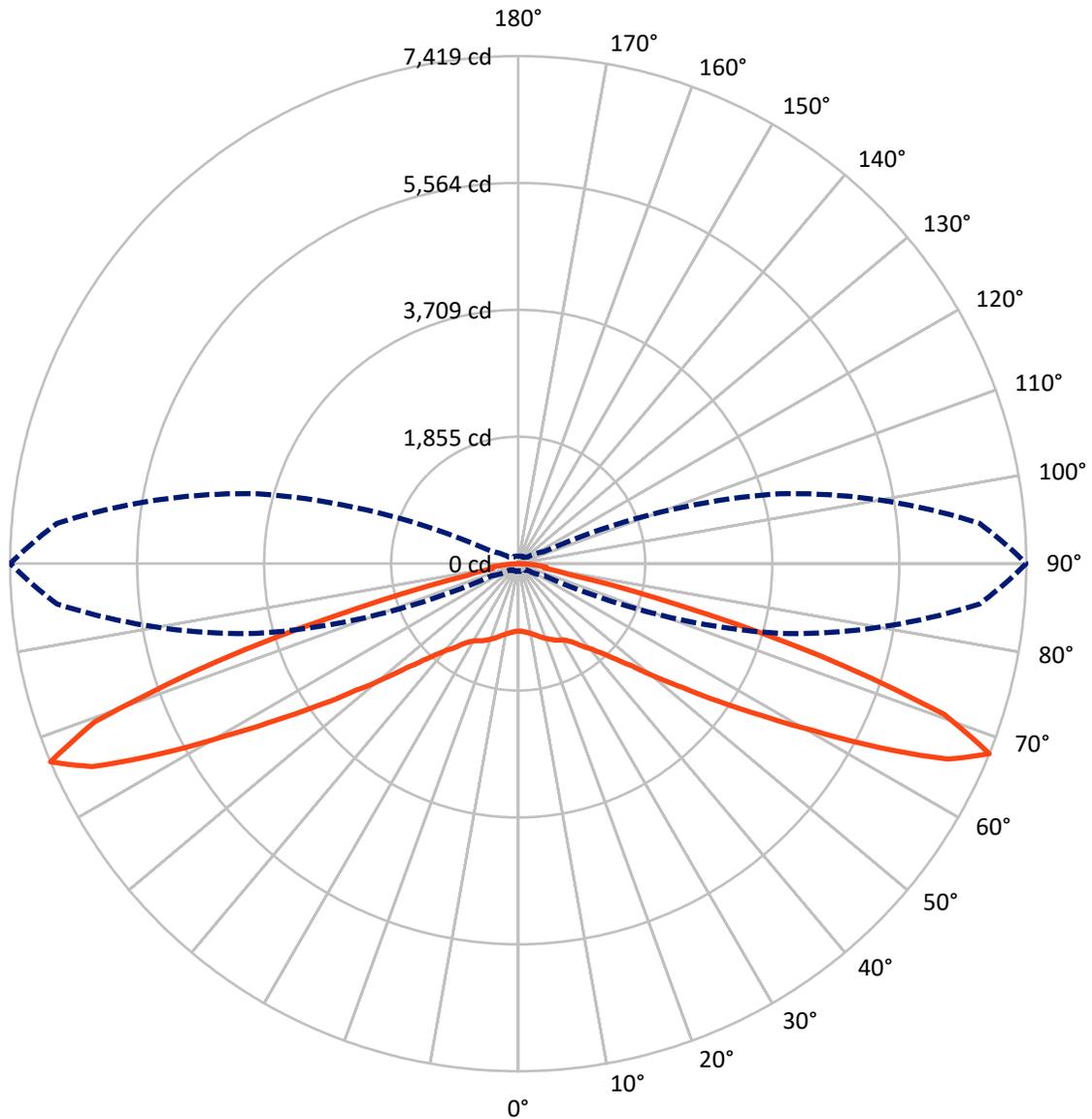


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— 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	2789.0	0.0	2789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2789.0	0.0	2789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5578.0	0.0	5578.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.8
10°-20°	315.0	5.6
20°-30°	527.2	9.5
30°-40°	714.2	12.8
40°-50°	904.7	16.2
50°-60°	1130.2	20.3
60°-70°	1328.5	23.8
70°-80°	508.2	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°	5578.0	100.0
0°-180°	5578.0	100.0



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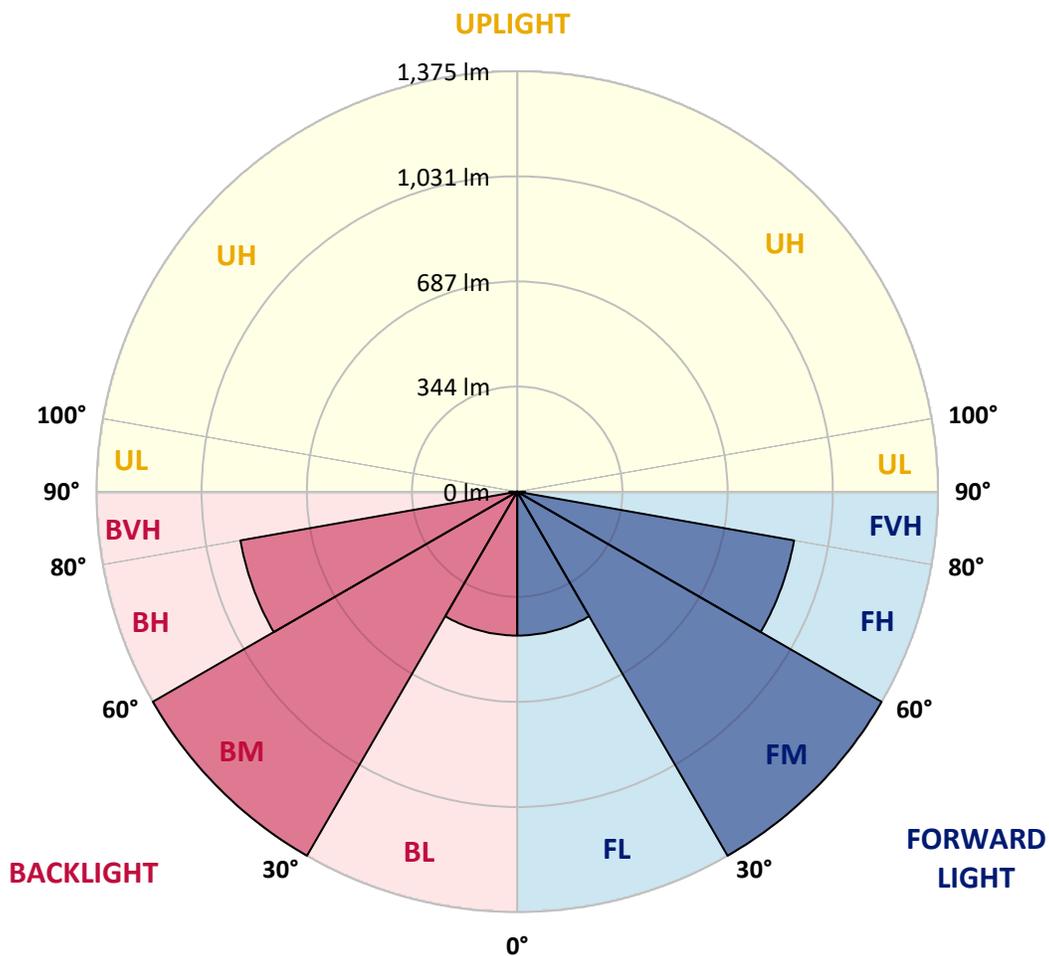
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	470.3	8.4			
FM	(30°-60°)	1374.6	24.6			
FH	(60°-80°)	918.4	16.5			G1/1800
FVH	(80°-90°)	25.7	0.5			G1/100
BL	(0°-30°)	470.3	8.4	B1/500		
BM	(30°-60°)	1374.6	24.6	B2/2500		
BH	(60°-80°)	918.4	16.5	B2/1000		G2/1000
BVH	(80°-90°)	25.7	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°	987.5	987.5	987.5	987.5	987.5	987.5	987.5	987.5	987.5	987.5	987.5
2.5°	1000.1	999.5	999.8	999.5	1000.5	999.8	996.1	993.0	990.6	990.9	990.0
5°	1021.5	1021.8	1022.1	1020.5	1022.7	1021.5	1015.6	1010.6	1005.7	1003.9	1003.2
7.5°	1039.1	1040.6	1041.5	1043.1	1046.8	1046.8	1043.7	1036.6	1025.8	1019.6	1019.3
10°	1056.7	1057.9	1060.7	1065.6	1071.8	1077.7	1076.4	1066.9	1053.0	1042.5	1040.0
12.5°	1062.8	1064.4	1073.7	1087.9	1101.8	1113.2	1113.2	1105.5	1087.6	1071.5	1066.9
15°	1041.2	1044.0	1060.7	1091.0	1127.4	1152.4	1158.0	1147.2	1128.0	1103.3	1097.7
17.5°	998.3	1005.1	1029.5	1074.3	1134.8	1186.7	1202.8	1197.5	1172.8	1141.3	1134.8
20°	952.3	959.7	985.6	1044.9	1128.6	1206.8	1253.4	1254.7	1224.1	1178.4	1168.8
22.5°	901.6	907.2	940.5	1010.0	1110.1	1211.4	1297.0	1318.3	1276.9	1215.4	1201.8
25°	844.8	851.0	885.9	960.9	1075.2	1206.2	1336.8	1383.8	1332.2	1255.0	1237.7
27.5°	790.4	792.9	830.3	906.6	1029.2	1192.6	1366.2	1444.0	1393.3	1287.7	1265.8
30°	738.2	744.1	777.1	852.5	976.4	1166.0	1391.5	1512.6	1459.1	1322.0	1293.9
32.5°	682.9	690.0	725.9	802.2	923.5	1126.2	1406.9	1587.6	1550.9	1377.6	1347.6
35°	629.8	634.4	670.6	744.7	872.0	1079.8	1409.7	1672.3	1669.2	1461.9	1422.1
37.5°	575.4	582.2	618.7	689.7	817.3	1030.7	1395.8	1762.1	1811.9	1579.0	1536.0
40°	523.2	529.1	564.9	636.6	755.2	970.8	1362.8	1844.3	1978.4	1699.4	1638.6
42.5°	466.4	467.9	507.2	580.1	694.4	901.3	1315.2	1917.5	2164.0	1861.0	1785.3
45°	401.8	405.9	442.3	514.0	624.5	823.5	1250.6	1978.0	2399.4	2084.9	1981.8
47.5°	337.3	340.7	374.1	444.8	548.3	734.2	1151.2	2031.2	2640.9	2369.4	2234.1
50°	274.3	276.1	303.3	366.0	462.4	640.3	1027.9	2048.2	2913.9	2772.2	2599.5
52.5°	216.8	219.6	240.3	289.4	370.7	529.4	894.8	2006.2	3232.7	3249.7	3006.3
55°	175.8	176.7	192.1	228.3	289.7	413.3	734.2	1889.1	3575.6	3861.6	3551.2
57.5°	151.3	152.0	160.6	180.7	223.0	311.7	569.6	1667.6	3883.5	4578.5	4179.4
60°	137.5	137.8	142.7	154.4	176.7	239.1	408.0	1355.0	4187.4	5376.3	4960.3
62.5°	128.8	128.8	132.2	138.7	149.5	183.5	295.6	977.6	4395.6	6185.9	5922.7
65°	120.5	120.5	122.9	127.6	133.4	150.1	218.4	637.5	4390.4	6775.5	6890.7
67.5°	110.9	110.9	112.7	117.4	120.8	129.1	168.6	417.6	3943.7	6762.6	7418.9
70°	99.5	99.5	101.9	105.9	108.7	114.0	133.1	285.7	2897.3	5774.1	6597.9
72.5°	88.0	88.3	89.9	93.9	96.1	99.1	110.6	200.2	1777.3	3931.7	4613.4
75°	75.4	76.0	77.5	81.5	83.4	84.6	93.3	142.7	899.1	2119.8	2413.6
77.5°	60.8	62.1	63.0	67.3	68.6	70.4	76.9	103.2	394.7	761.7	768.5
80°	44.5	46.0	48.8	52.8	53.7	55.0	58.7	73.2	178.8	347.8	377.8
82.5°	32.7	34.9	31.5	36.8	36.8	35.2	41.4	49.1	82.2	344.4	412.0
85°	17.9	18.2	16.4	18.8	20.1	19.8	21.9	24.1	39.8	229.8	236.9
87.5°	4.3	4.6	4.9	5.9	7.1	7.1	7.7	6.8	13.0	74.4	42.6
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)