

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: P1207943

Luminaire Tested: UPW-SA1-030-827-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207943
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-SA1-030-827-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3675 lumens
Efficiency: N/A
Efficacy: 108.1 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

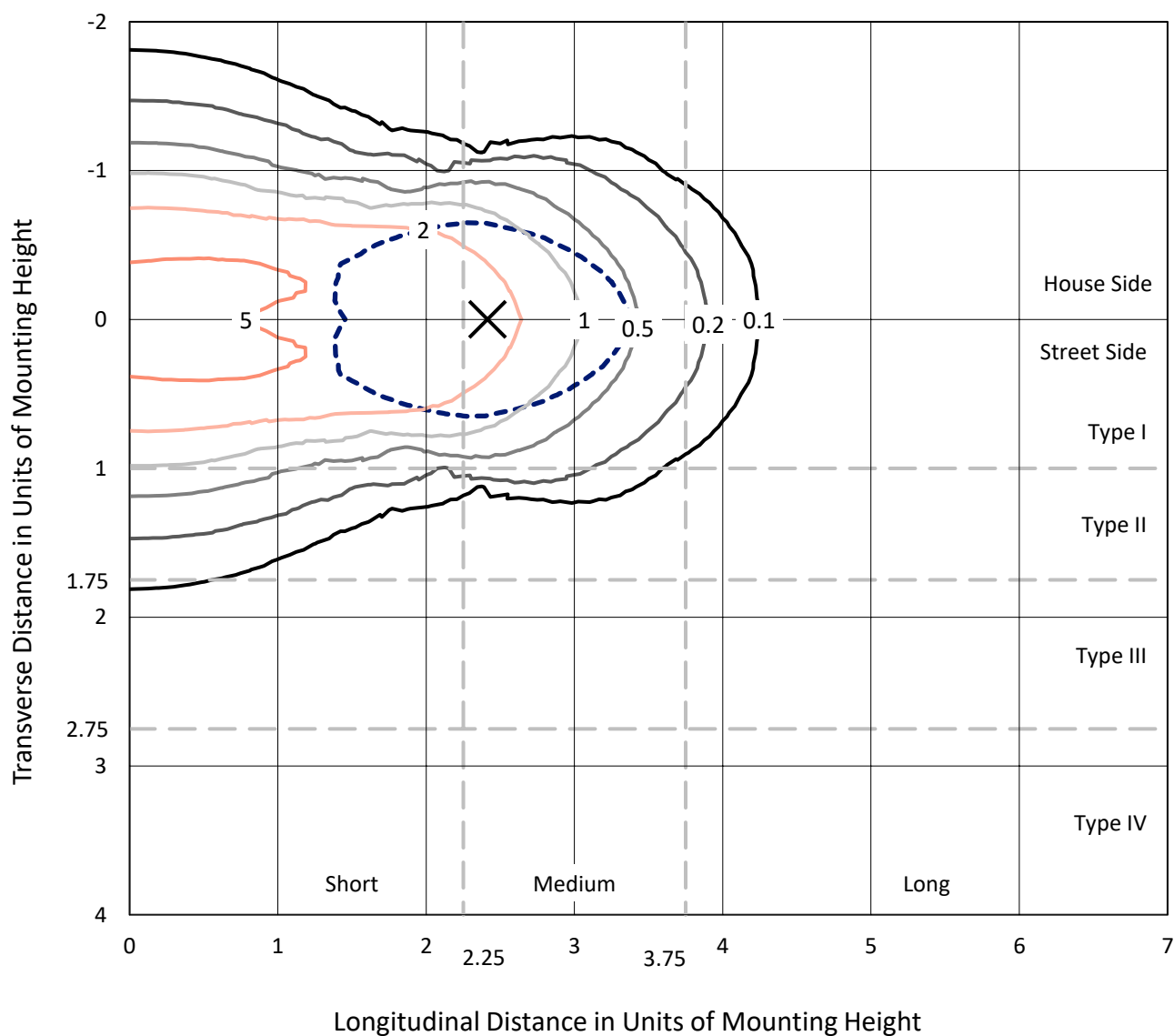


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

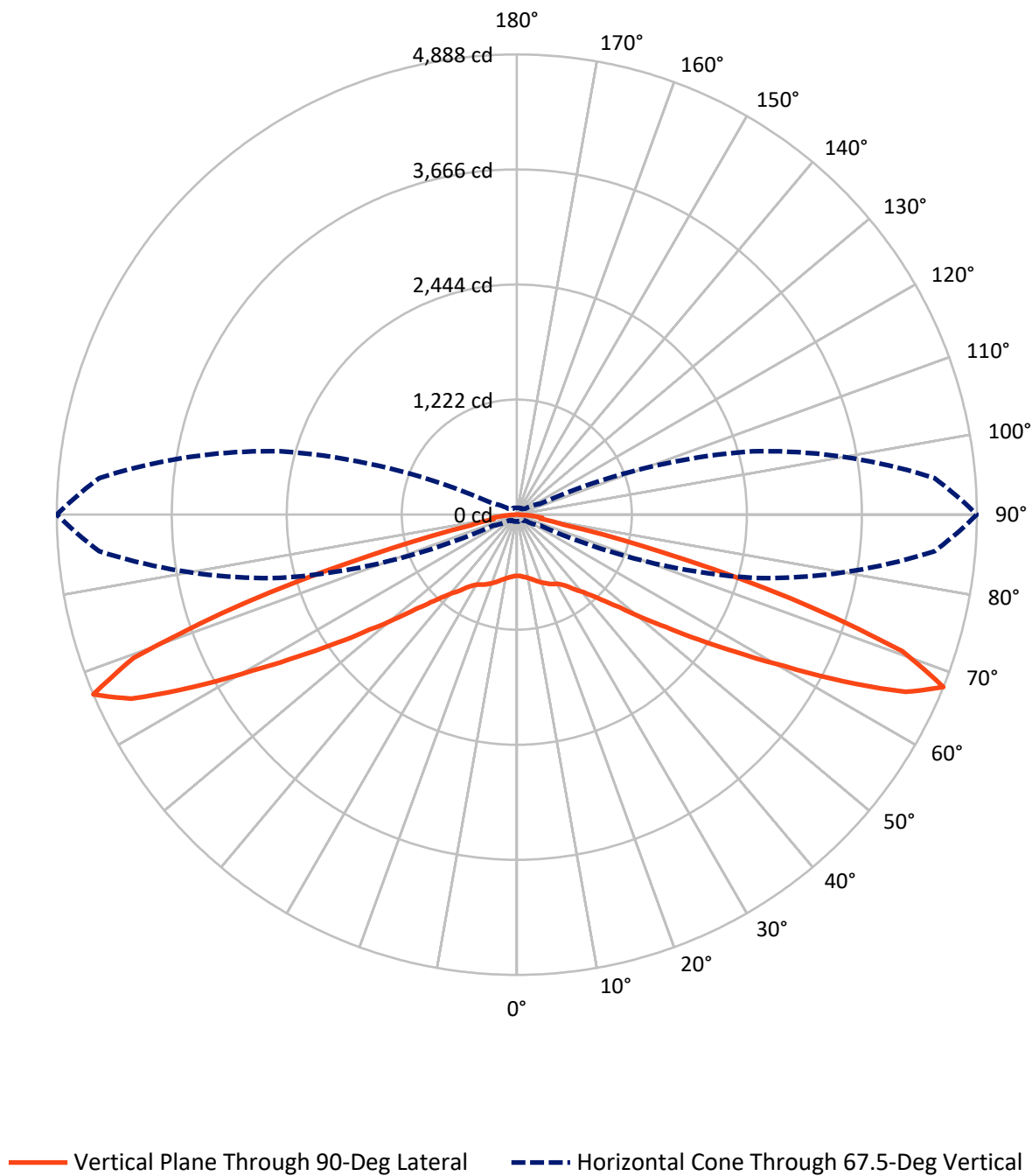


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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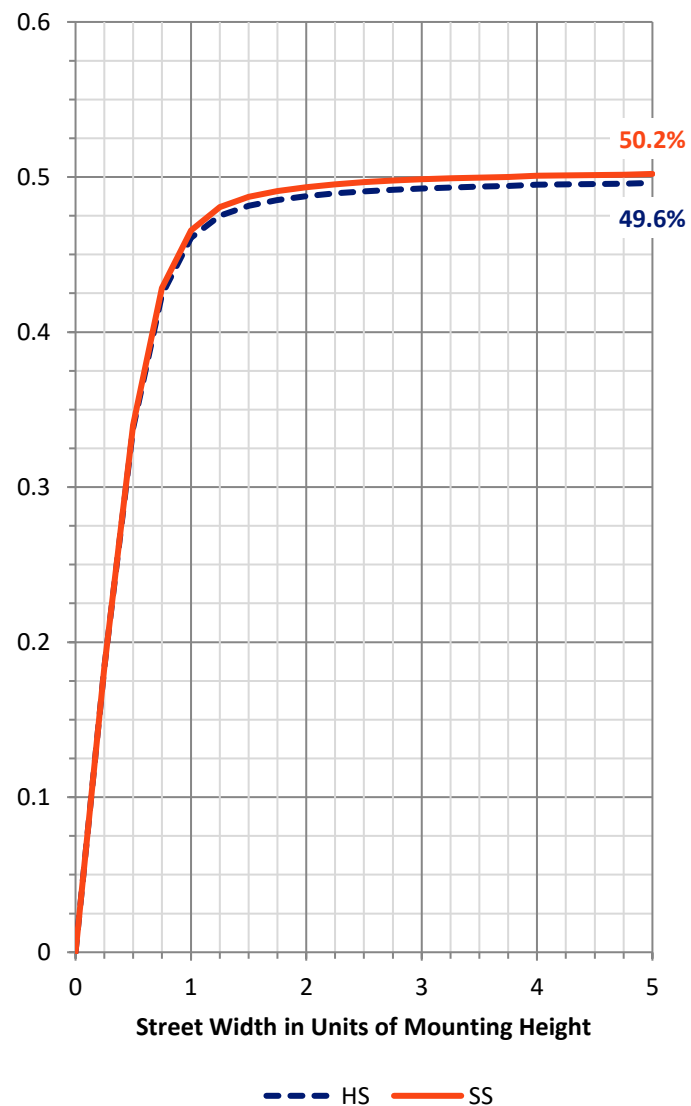
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1837.5	0.0	1837.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1837.5	0.0	1837.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3675.0	0.0	3675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.8
10°-20°	207.5	5.6
20°-30°	347.4	9.5
30°-40°	470.6	12.8
40°-50°	596.0	16.2
50°-60°	744.6	20.3
60°-70°	875.3	23.8
70°-80°	334.8	9.1
80°-90°	33.9	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°	3675.0	100.0
0°-180°	3675.0	100.0

Coefficient of Utilization



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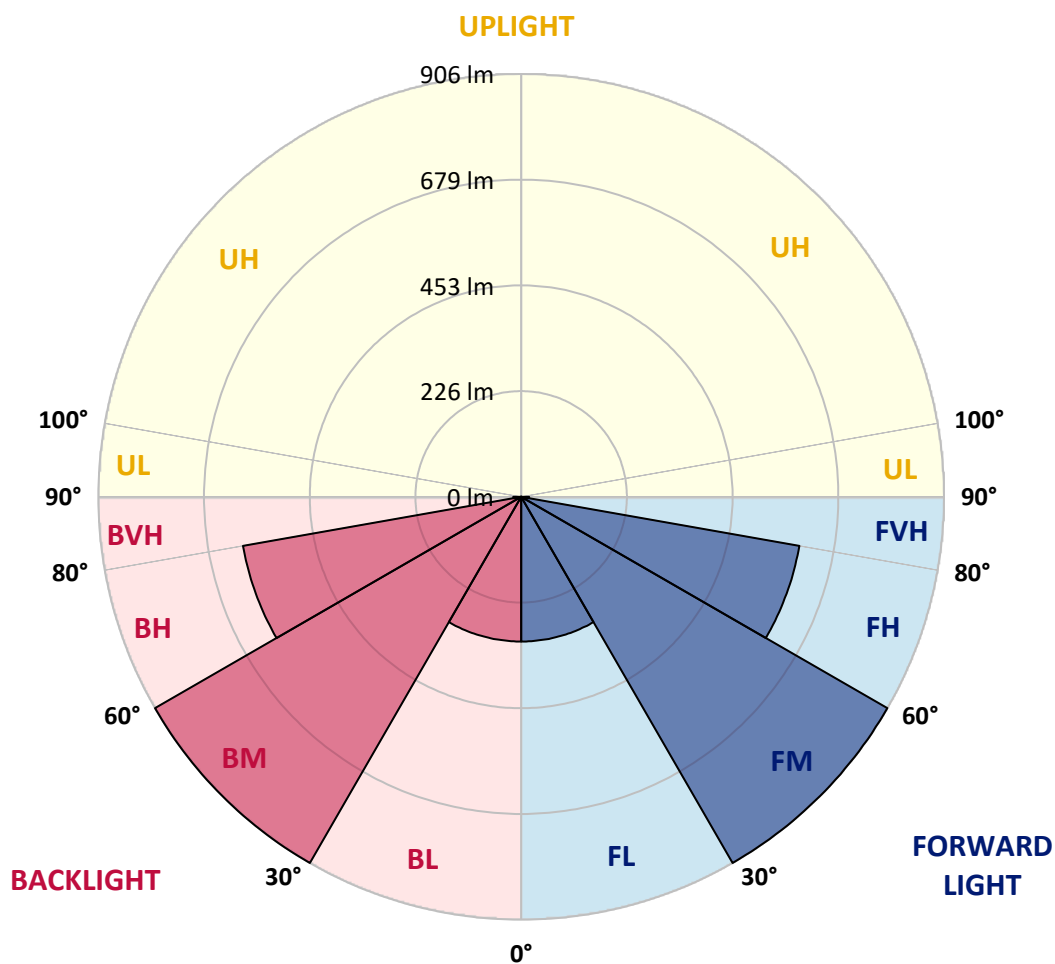
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.9	8.4			
FM	(30°-60°)	905.6	24.6			
FH	(60°-80°)	605.1	16.5			G0/660
FVH	(80°-90°)	17.0	0.5			G1/100
BL	(0°-30°)	309.9	8.4	B1/500		
BM	(30°-60°)	905.6	24.6	B1/1000		
BH	(60°-80°)	605.1	16.5	B2/1000		G2/1000
BVH	(80°-90°)	17.0	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°	650.6	650.6	650.6	650.6	650.6	650.6	650.6	650.6	650.6	650.6	650.6
2.5°	658.9	658.5	658.7	658.5	659.1	658.7	656.3	654.3	652.6	652.8	652.2
5°	673.0	673.2	673.4	672.4	673.8	673.0	669.1	665.9	662.6	661.4	661.0
7.5°	684.6	685.6	686.2	687.2	689.7	689.7	687.6	682.9	675.8	671.8	671.5
10°	696.2	697.0	698.8	702.1	706.1	710.0	709.2	702.9	693.7	686.8	685.2
12.5°	700.2	701.3	707.4	716.7	725.9	733.4	733.4	728.3	716.5	705.9	702.9
15°	686.0	687.8	698.8	718.8	742.8	759.3	762.9	755.8	743.2	726.9	723.2
17.5°	657.7	662.2	678.3	707.8	747.7	781.8	792.4	789.0	772.7	751.9	747.7
20°	627.4	632.3	649.4	688.4	743.6	795.1	825.8	826.6	806.5	776.4	770.0
22.5°	594.0	597.7	619.7	665.4	731.4	798.1	854.5	868.5	841.3	800.8	791.8
25°	556.6	560.6	583.6	633.1	708.4	794.7	880.7	911.7	877.7	826.8	815.4
27.5°	520.8	522.4	547.0	597.3	678.1	785.7	900.1	951.4	918.0	848.4	833.9
30°	486.4	490.2	512.0	561.7	643.3	768.2	916.8	996.5	961.3	871.0	852.5
32.5°	449.9	454.6	478.2	528.5	608.5	742.0	926.9	1046.0	1021.8	907.6	887.9
35°	414.9	418.0	441.8	490.6	574.5	711.4	928.8	1101.7	1099.7	963.2	936.9
37.5°	379.1	383.6	407.6	454.4	538.5	679.1	919.6	1161.0	1193.7	1040.3	1012.0
40°	344.7	348.6	372.2	419.4	497.6	639.6	897.8	1215.1	1303.4	1119.7	1079.6
42.5°	307.3	308.3	334.1	382.2	457.5	593.8	866.5	1263.3	1425.7	1226.1	1176.2
45°	264.8	267.4	291.4	338.6	411.5	542.5	824.0	1303.2	1580.8	1373.6	1305.7
47.5°	222.2	224.5	246.4	293.0	361.2	483.7	758.4	1338.2	1739.9	1561.0	1471.9
50°	180.7	181.9	199.8	241.1	304.6	421.9	677.2	1349.4	1919.8	1826.4	1712.7
52.5°	142.9	144.7	158.3	190.7	244.2	348.8	589.5	1321.7	2129.8	2141.0	1980.7
55°	115.8	116.4	126.6	150.4	190.9	272.3	483.7	1244.6	2355.7	2544.2	2339.6
57.5°	99.7	100.1	105.8	119.0	146.9	205.3	375.3	1098.7	2558.6	3016.5	2753.6
60°	90.6	90.8	94.0	101.7	116.4	157.5	268.8	892.8	2758.8	3542.1	3268.0
62.5°	84.9	84.9	87.1	91.4	98.5	120.9	194.7	644.1	2896.0	4075.5	3902.1
65°	79.4	79.4	81.0	84.0	87.9	98.9	143.9	420.0	2892.5	4464.0	4539.9
67.5°	73.1	73.1	74.3	77.3	79.6	85.1	111.1	275.1	2598.3	4455.4	4887.9
70°	65.5	65.5	67.2	69.8	71.6	75.1	87.7	188.2	1908.8	3804.2	4347.0
72.5°	58.0	58.2	59.2	61.9	63.3	65.3	72.9	131.9	1170.9	2590.4	3039.5
75°	49.7	50.1	51.1	53.7	54.9	55.8	61.5	94.0	592.4	1396.6	1590.1
77.5°	40.1	40.9	41.5	44.4	45.2	46.4	50.7	68.0	260.1	501.8	506.3
80°	29.3	30.3	32.2	34.8	35.4	36.2	38.7	48.2	117.8	229.1	248.9
82.5°	21.6	23.0	20.8	24.2	24.2	23.2	27.3	32.4	54.1	226.9	271.5
85°	11.8	12.0	10.8	12.4	13.2	13.0	14.4	15.9	26.3	151.4	156.1
87.5°	2.8	3.1	3.3	3.9	4.7	4.7	5.1	4.5	8.5	49.0	28.1
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)