

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: P1207781

Luminaire Tested: UPW-SA1-030-727-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 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: 4182 lumens
Efficiency: N/A
Efficacy: 123.0 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

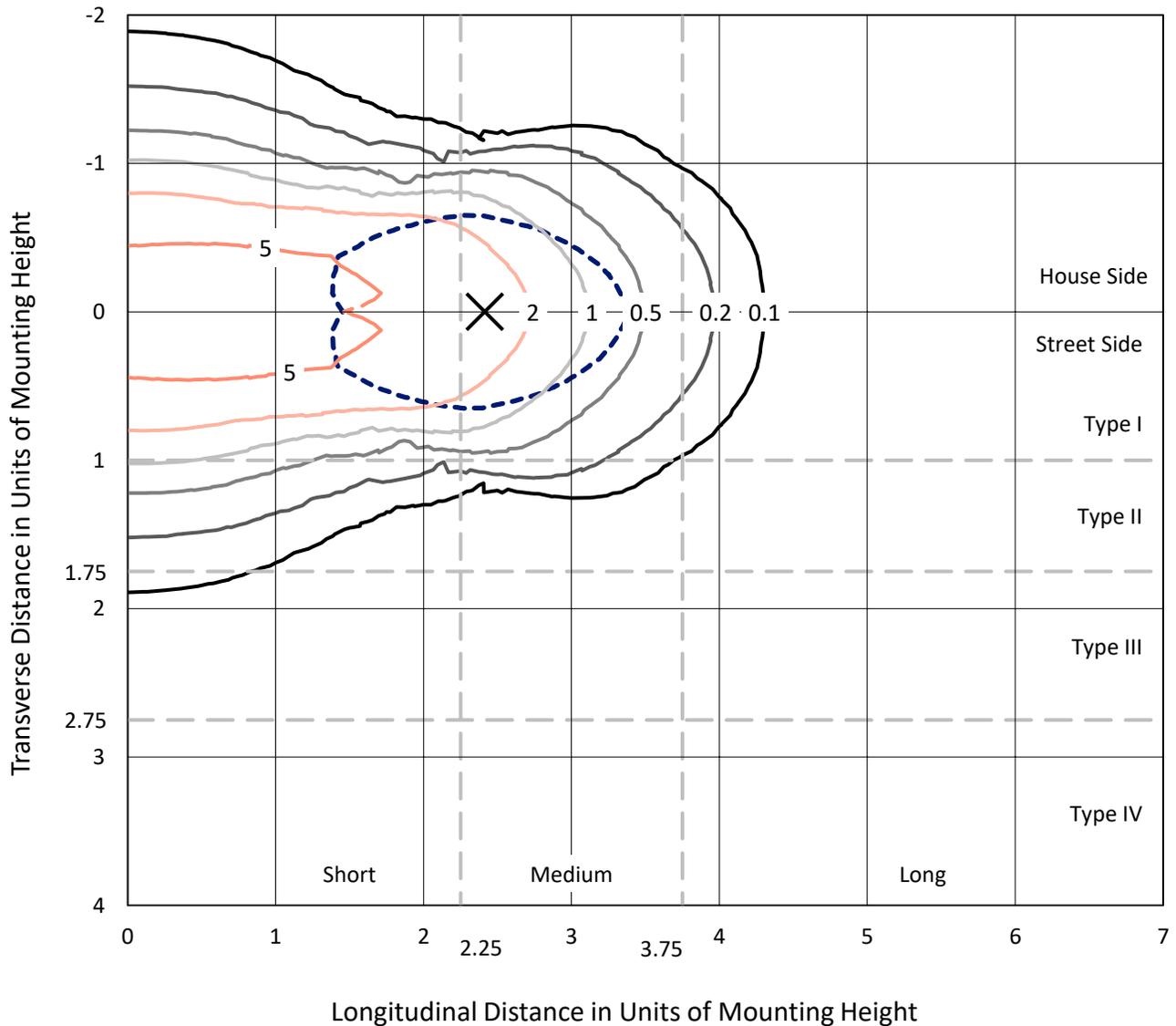


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Iso-Footcandle Lines of Horizontal Illumination

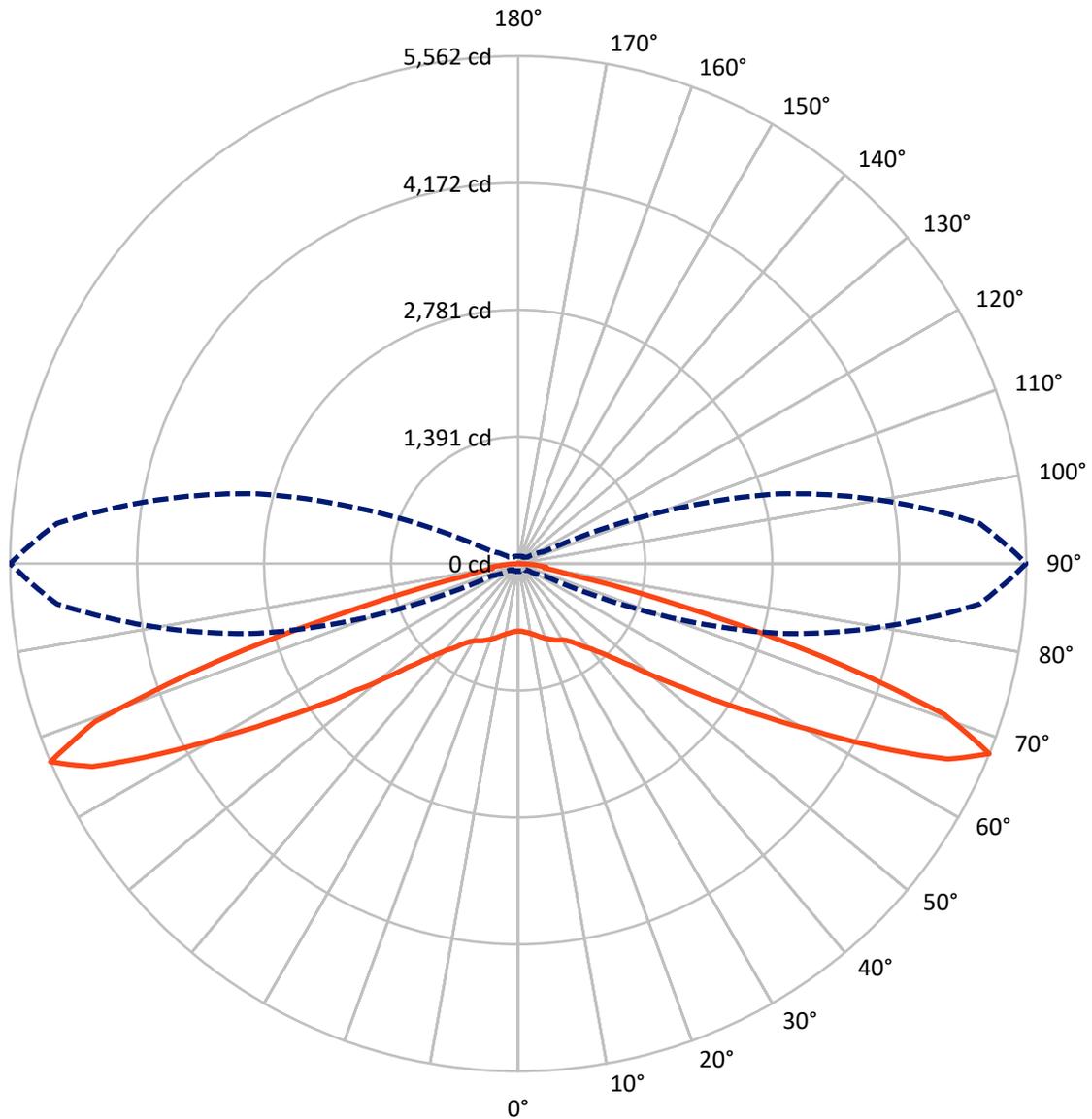
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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	2091.0	0.0	2091.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2091.0	0.0	2091.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4182.0	0.0	4182.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.8
10°-20°	236.2	5.6
20°-30°	395.3	9.5
30°-40°	535.5	12.8
40°-50°	678.3	16.2
50°-60°	847.3	20.3
60°-70°	996.0	23.8
70°-80°	381.0	9.1
80°-90°	38.6	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°	4182.0	100.0
0°-180°	4182.0	100.0



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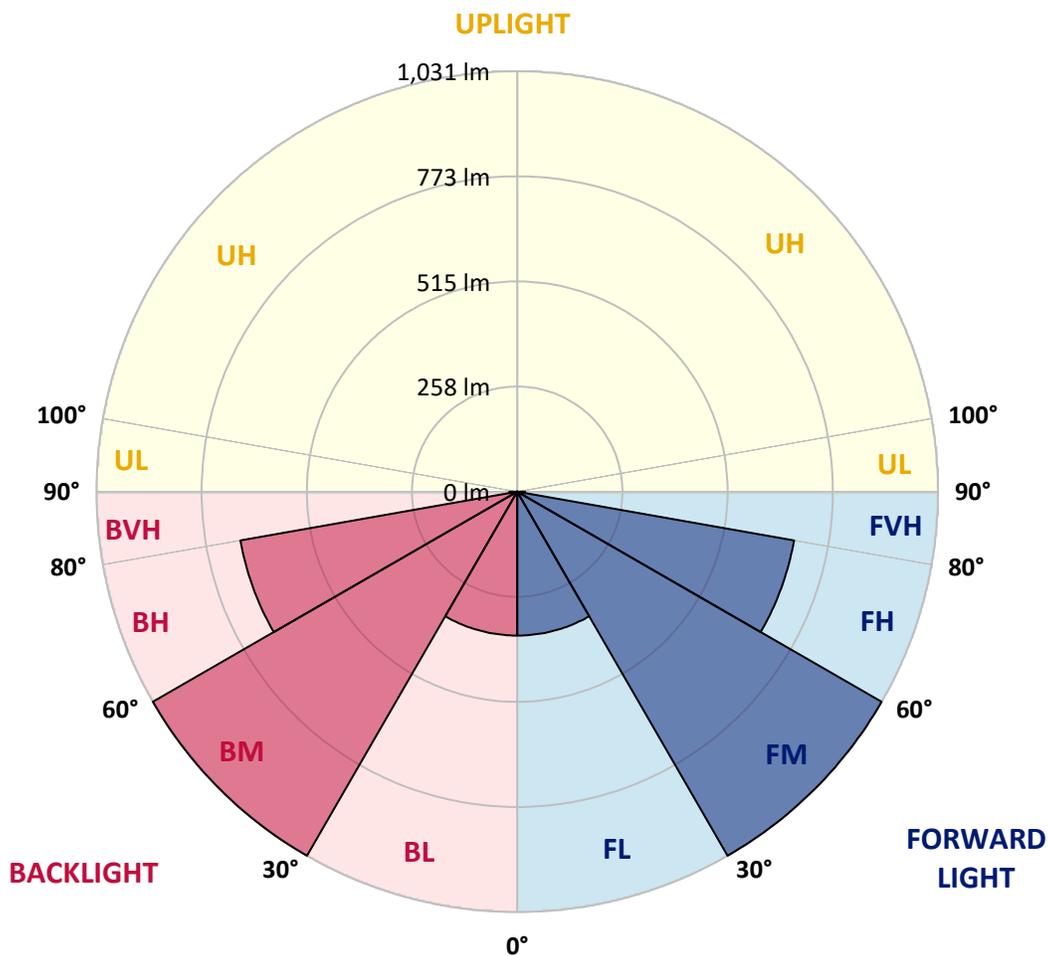
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.6	8.4			
FM (30°-60°)	1030.6	24.6			
FH (60°-80°)	688.5	16.5			G1/1800
FVH (80°-90°)	19.3	0.5			G1/100
BL (0°-30°)	352.6	8.4	B1/500		
BM (30°-60°)	1030.6	24.6	B2/2500		
BH (60°-80°)	688.5	16.5	B2/1000		G2/1000
BVH (80°-90°)	19.3	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°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3
2.5°	749.8	749.4	749.6	749.4	750.1	749.6	746.8	744.5	742.7	742.9	742.2
5°	765.8	766.0	766.3	765.1	766.7	765.8	761.4	757.7	754.0	752.6	752.2
7.5°	779.0	780.2	780.9	782.0	784.8	784.8	782.5	777.2	769.1	764.4	764.2
10°	792.2	793.1	795.2	798.9	803.6	808.0	807.0	799.9	789.4	781.6	779.7
12.5°	796.8	798.0	805.0	815.6	826.0	834.6	834.6	828.8	815.4	803.3	799.9
15°	780.6	782.7	795.2	817.9	845.2	864.0	868.2	860.1	845.7	827.2	823.0
17.5°	748.4	753.5	771.8	805.4	850.8	889.7	901.8	897.8	879.3	855.7	850.8
20°	713.9	719.5	739.0	783.4	846.2	904.8	939.7	940.7	917.7	883.5	876.3
22.5°	676.0	680.1	705.1	757.2	832.3	908.2	972.4	988.4	957.3	911.2	901.1
25°	633.4	638.0	664.2	720.4	806.1	904.3	1002.3	1037.5	998.8	940.9	927.9
27.5°	592.6	594.5	622.5	679.7	771.6	894.1	1024.3	1082.6	1044.6	965.4	949.0
30°	553.5	557.9	582.6	639.1	732.0	874.2	1043.2	1134.0	1094.0	991.1	970.1
32.5°	512.0	517.3	544.2	601.4	692.4	844.3	1054.8	1190.3	1162.7	1032.8	1010.4
35°	472.2	475.7	502.7	558.3	653.7	809.6	1056.9	1253.7	1251.4	1096.0	1066.2
37.5°	431.4	436.5	463.8	517.1	612.7	772.8	1046.5	1321.1	1358.4	1183.8	1151.6
40°	392.3	396.7	423.6	477.3	566.2	727.8	1021.7	1382.7	1483.2	1274.1	1228.5
42.5°	349.7	350.8	380.2	434.9	520.6	675.7	986.0	1437.6	1622.4	1395.2	1338.5
45°	301.3	304.3	331.6	385.3	468.2	617.4	937.6	1483.0	1798.9	1563.1	1485.8
47.5°	252.9	255.4	280.4	333.5	411.0	550.5	863.1	1522.8	1980.0	1776.4	1675.0
50°	205.6	207.0	227.4	274.4	346.7	480.1	770.7	1535.6	2184.7	2078.4	1948.9
52.5°	162.6	164.6	180.2	217.0	277.9	396.9	670.9	1504.1	2423.7	2436.4	2253.9
55°	131.8	132.5	144.0	171.1	217.2	309.8	550.5	1416.3	2680.7	2895.1	2662.4
57.5°	113.5	113.9	120.4	135.5	167.2	233.7	427.0	1250.3	2911.6	3432.6	3133.4
60°	103.1	103.3	107.0	115.8	132.5	179.2	305.9	1015.9	3139.5	4030.8	3718.9
62.5°	96.6	96.6	99.1	104.0	112.1	137.6	221.6	732.9	3295.5	4637.7	4440.4
65°	90.3	90.3	92.2	95.6	100.0	112.5	163.7	478.0	3291.6	5079.8	5166.2
67.5°	83.1	83.1	84.5	88.0	90.5	96.8	126.4	313.1	2956.7	5070.1	5562.2
70°	74.6	74.6	76.4	79.4	81.5	85.5	99.8	214.2	2172.2	4329.1	4946.7
72.5°	66.0	66.2	67.4	70.4	72.0	74.3	82.9	150.1	1332.5	2947.7	3458.8
75°	56.5	57.0	58.1	61.1	62.5	63.5	69.9	107.0	674.1	1589.3	1809.5
77.5°	45.6	46.5	47.2	50.5	51.4	52.8	57.7	77.3	296.0	571.1	576.2
80°	33.3	34.5	36.6	39.6	40.3	41.2	44.0	54.9	134.1	260.8	283.2
82.5°	24.5	26.2	23.6	27.6	27.6	26.4	31.0	36.8	61.6	258.2	308.9
85°	13.4	13.7	12.3	14.1	15.1	14.8	16.4	18.1	29.9	172.3	177.6
87.5°	3.2	3.5	3.7	4.4	5.3	5.3	5.8	5.1	9.7	55.8	32.0
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)