

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: P1209239

Luminaire Tested: UPW-SA2-110-727-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209239
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-SA2-110-727-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12402 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

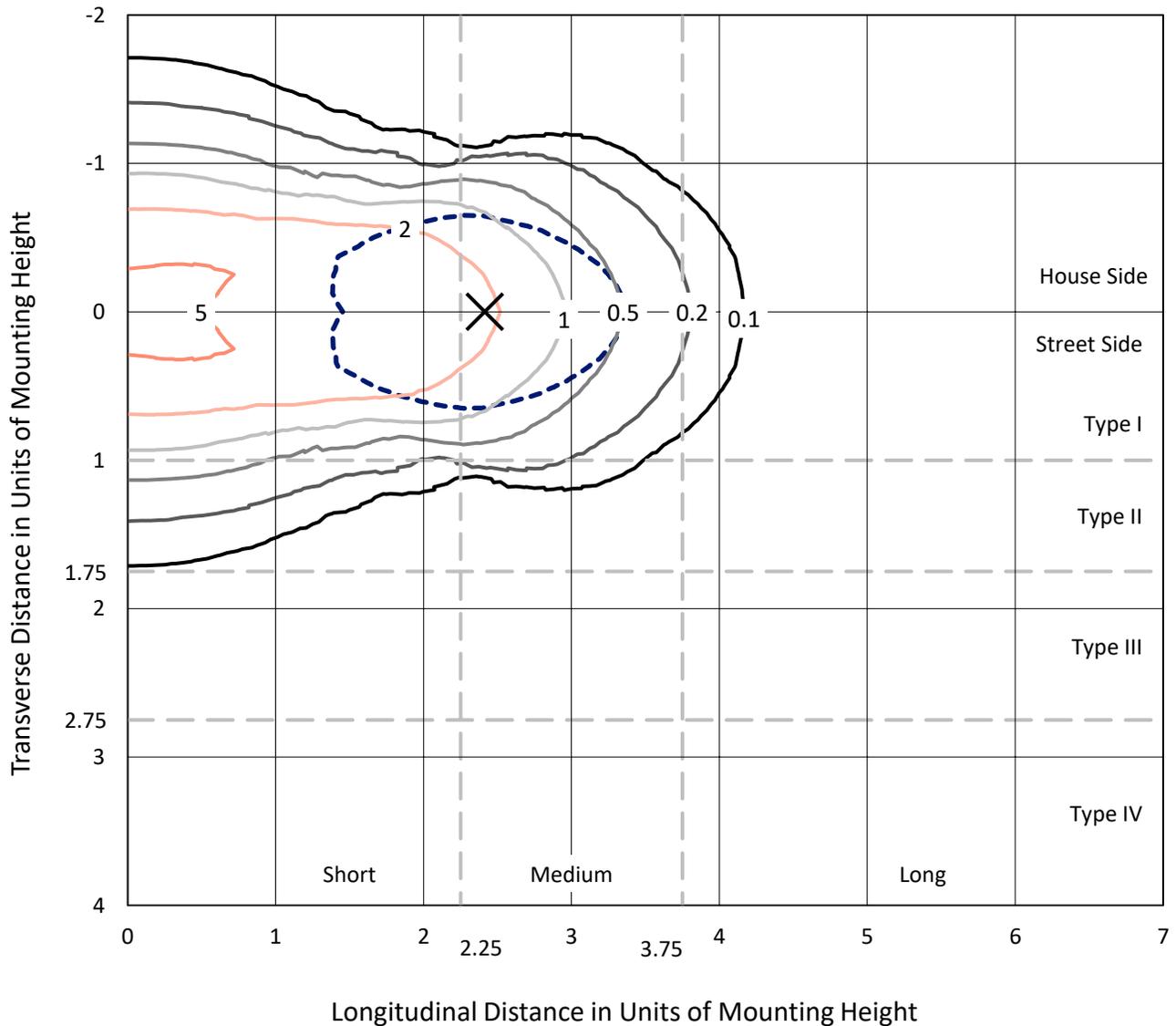
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

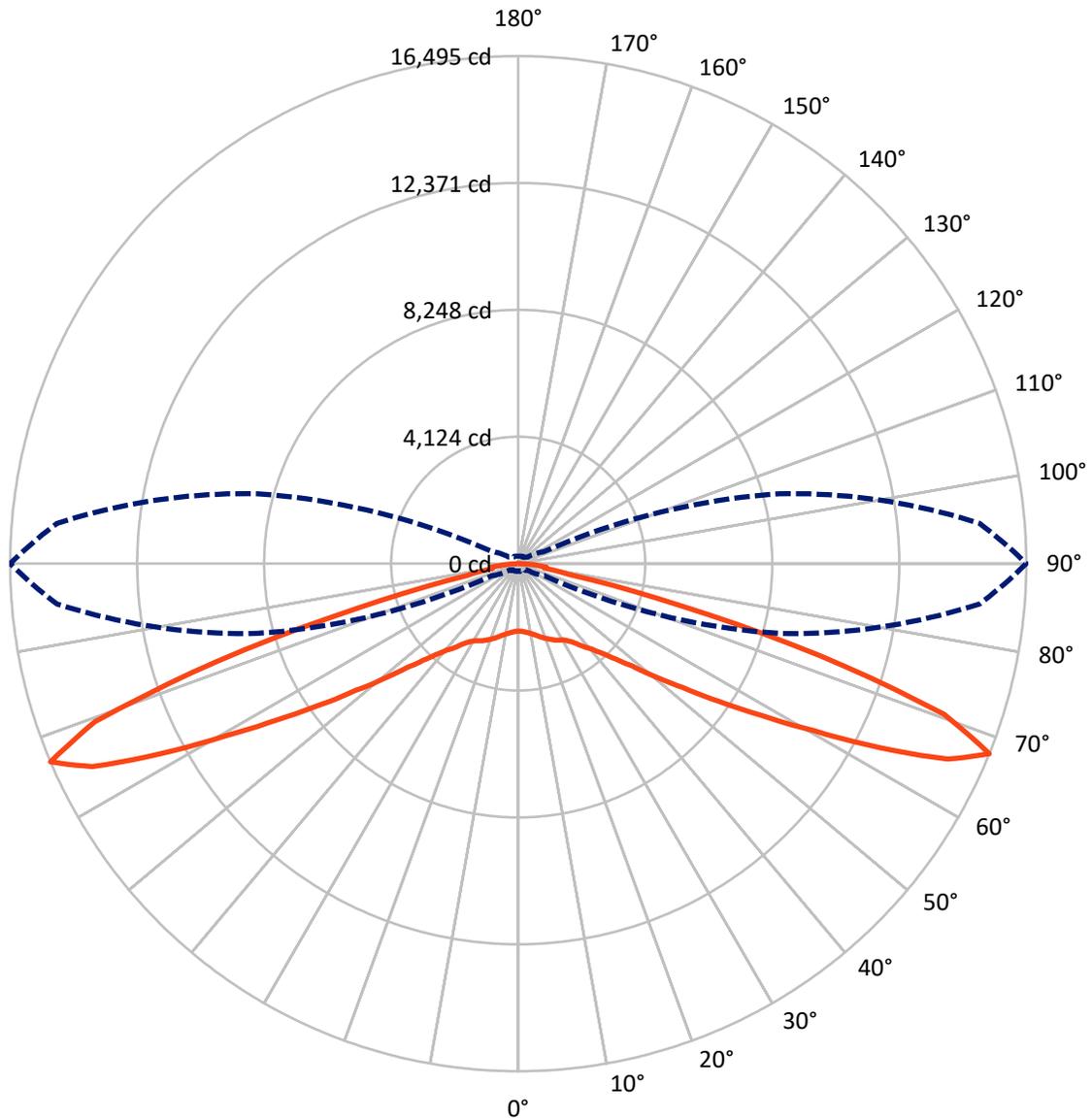


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type I - Short - N/A

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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	6201.0	0.0	6201.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6201.0	0.0	6201.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12402.0	0.0	12402.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	1.8
10°-20°	700.3	5.6
20°-30°	1172.2	9.5
30°-40°	1588.0	12.8
40°-50°	2011.5	16.2
50°-60°	2512.9	20.3
60°-70°	2953.8	23.8
70°-80°	1129.9	9.1
80°-90°	114.5	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°	12402.0	100.0
0°-180°	12402.0	100.0



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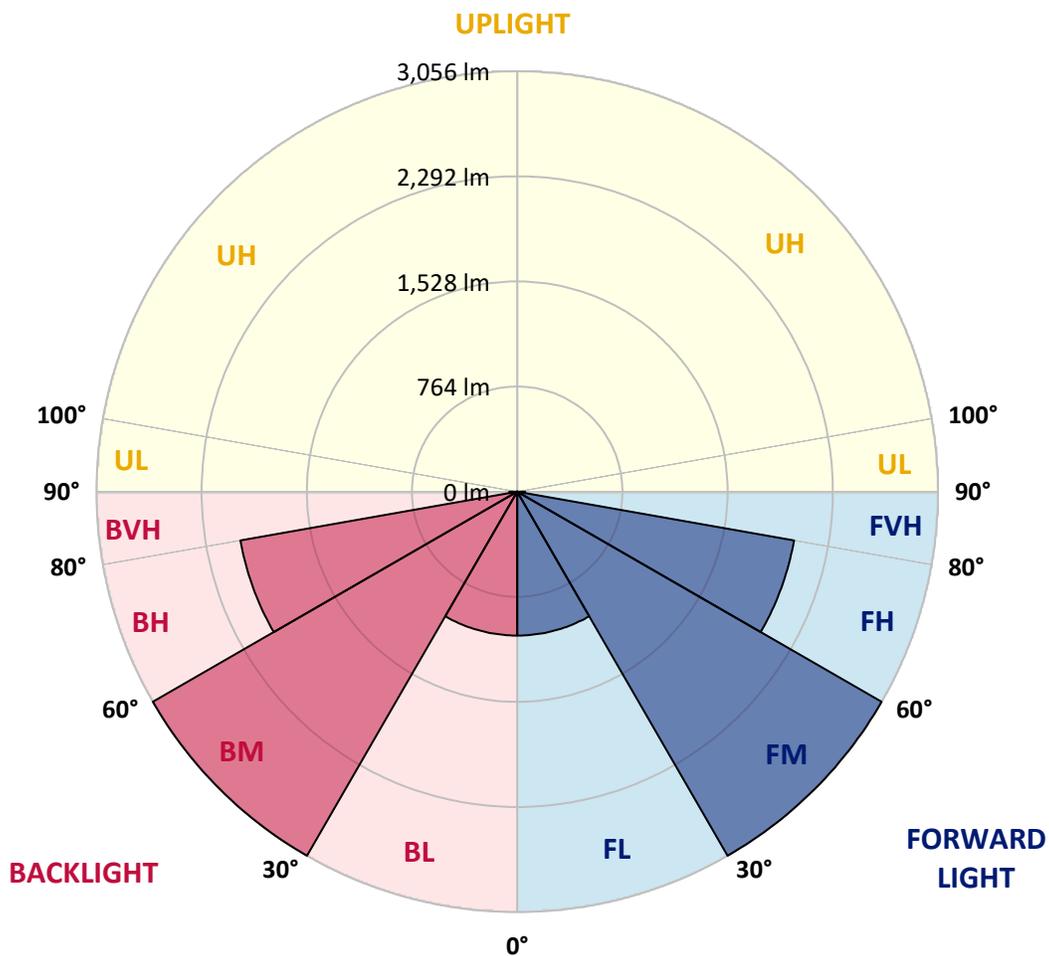
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1045.7	8.4			
FM	(30°-60°)	3056.2	24.6			
FH	(60°-80°)	2041.9	16.5			G2/5000
FVH	(80°-90°)	57.2	0.5			G1/100
BL	(0°-30°)	1045.7	8.4	B3/2500		
BM	(30°-60°)	3056.2	24.6	B3/5000		
BH	(60°-80°)	2041.9	16.5	B3/2500		G3/2500
BVH	(80°-90°)	57.2	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°	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5	2195.5
2.5°	2223.7	2222.3	2223.0	2222.3	2224.4	2223.0	2214.8	2207.9	2202.4	2203.1	2201.0
5°	2271.1	2271.8	2272.5	2269.0	2273.8	2271.1	2258.0	2247.0	2236.1	2231.9	2230.6
7.5°	2310.2	2313.7	2315.7	2319.2	2327.4	2327.4	2320.5	2304.7	2280.7	2267.0	2266.3
10°	2349.4	2352.1	2358.3	2369.3	2383.0	2396.1	2393.3	2372.0	2341.1	2317.8	2312.3
12.5°	2363.1	2366.5	2387.1	2418.7	2449.6	2475.0	2475.0	2457.9	2418.0	2382.3	2372.0
15°	2315.0	2321.2	2358.3	2425.6	2506.6	2562.3	2574.6	2550.6	2508.0	2453.1	2440.7
17.5°	2219.6	2234.7	2288.9	2388.5	2523.1	2638.5	2674.2	2662.5	2607.6	2537.5	2523.1
20°	2117.3	2133.7	2191.4	2323.3	2509.4	2683.1	2786.8	2789.6	2721.6	2620.0	2598.7
22.5°	2004.6	2017.0	2091.2	2245.7	2468.2	2693.4	2883.7	2931.0	2839.0	2702.4	2672.1
25°	1878.3	1892.0	1969.6	2136.5	2390.6	2681.8	2972.3	3076.6	2962.0	2790.3	2751.8
27.5°	1757.4	1762.9	1846.0	2015.6	2288.3	2651.5	3037.5	3210.6	3097.9	2863.1	2814.3
30°	1641.3	1654.4	1727.9	1895.4	2170.8	2592.5	3093.8	3363.0	3244.2	2939.3	2876.8
32.5°	1518.4	1534.2	1613.9	1783.5	2053.4	2503.9	3128.1	3529.9	3448.2	3062.9	2996.3
35°	1400.3	1410.6	1490.9	1655.8	1938.7	2400.9	3134.3	3718.1	3711.2	3250.4	3161.8
37.5°	1279.4	1294.5	1375.6	1533.5	1817.1	2291.7	3103.4	3917.9	4028.5	3510.7	3415.2
40°	1163.4	1176.4	1256.1	1415.4	1679.1	2158.5	3029.9	4100.6	4398.6	3778.5	3643.2
42.5°	1037.0	1040.4	1127.6	1289.7	1543.8	2003.9	2924.2	4263.3	4811.4	4137.7	3969.4
45°	893.5	902.4	983.4	1142.8	1388.6	1830.9	2780.7	4397.9	5334.7	4635.6	4406.2
47.5°	749.9	757.5	831.7	988.9	1219.0	1632.4	2559.5	4516.1	5871.7	5268.1	4967.3
50°	609.8	614.0	674.4	813.8	1028.1	1423.6	2285.5	4553.8	6478.8	6163.6	5779.7
52.5°	482.1	488.3	534.3	643.5	824.1	1177.1	1989.5	4460.4	7187.5	7225.3	6684.1
55°	390.8	392.8	427.2	507.5	644.2	918.9	1632.4	4200.2	7949.8	8585.8	7895.6
57.5°	336.5	337.9	357.1	401.7	495.8	692.9	1266.4	3707.8	8634.5	10179.7	9292.4
60°	305.6	306.3	317.3	343.4	392.8	531.5	907.2	3012.8	9310.3	11953.6	11028.5
62.5°	286.4	286.4	293.9	308.4	332.4	407.9	657.2	2173.6	9773.1	13753.5	13168.4
65°	267.8	267.8	273.3	283.6	296.7	333.8	485.5	1417.5	9761.5	15064.6	15320.7
67.5°	246.5	246.5	250.7	261.0	268.5	287.1	375.0	928.5	8768.4	15035.7	16495.1
70°	221.1	221.1	226.6	235.6	241.7	253.4	296.0	635.2	6441.7	12838.1	14669.7
72.5°	195.7	196.4	199.8	208.8	213.6	220.4	245.9	445.0	3951.6	8741.6	10257.3
75°	167.6	168.9	172.4	181.3	185.4	188.2	207.4	317.3	1999.1	4713.2	5366.3
77.5°	135.3	138.0	140.1	149.7	152.5	156.6	171.0	229.4	877.7	1693.5	1708.6
80°	98.9	102.3	108.5	117.4	119.5	122.2	130.5	162.8	397.6	773.3	839.9
82.5°	72.8	77.6	70.0	81.7	81.7	78.3	92.0	109.2	182.7	765.7	916.1
85°	39.8	40.5	36.4	41.9	44.6	44.0	48.8	53.6	88.6	510.9	526.7
87.5°	9.6	10.3	11.0	13.0	15.8	15.8	17.2	15.1	28.8	165.5	94.8
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)