

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: P1209482

Luminaire Tested: UPW-SA2-130-727-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209482  
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-SA2-130-727-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13603 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

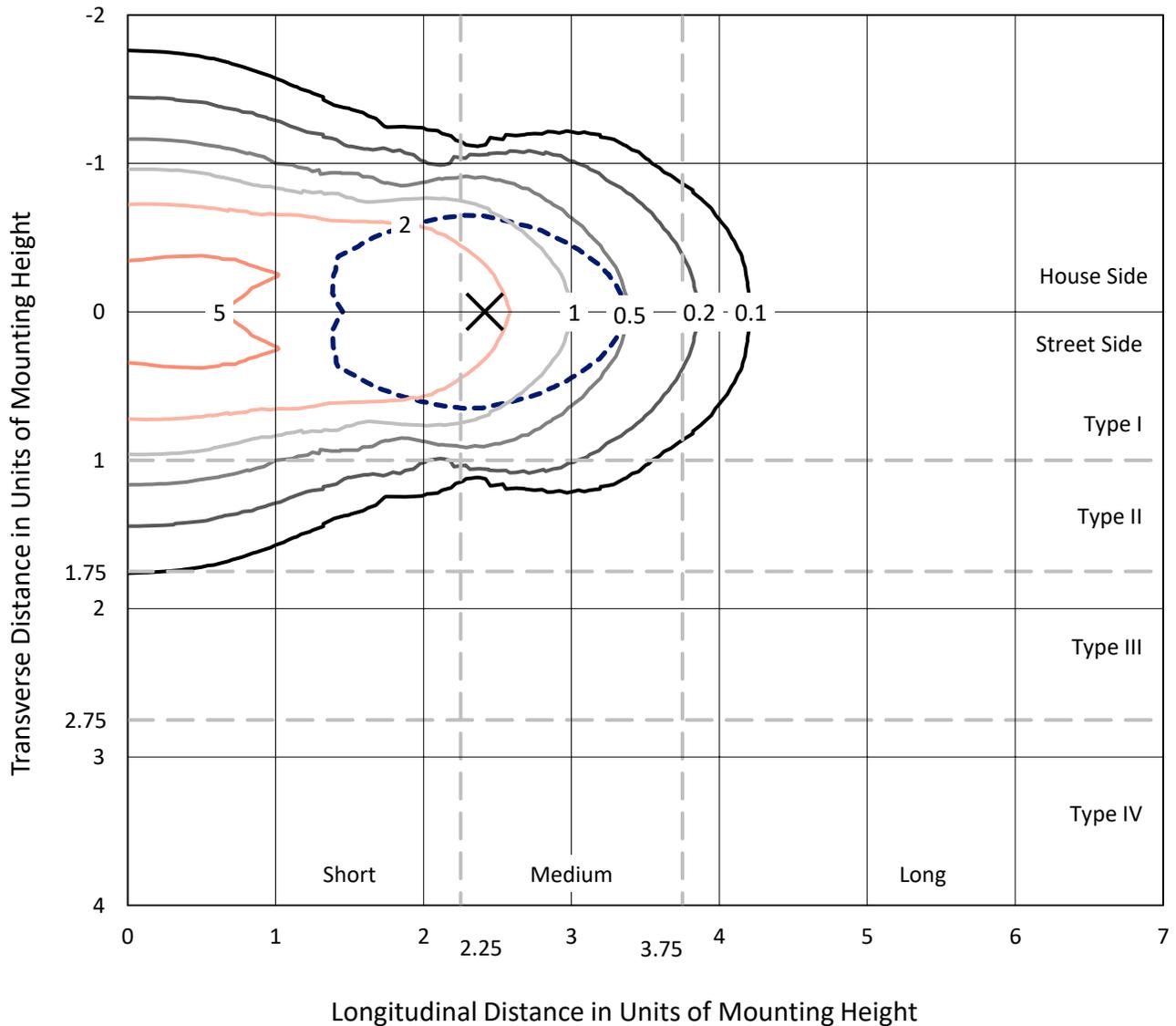
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

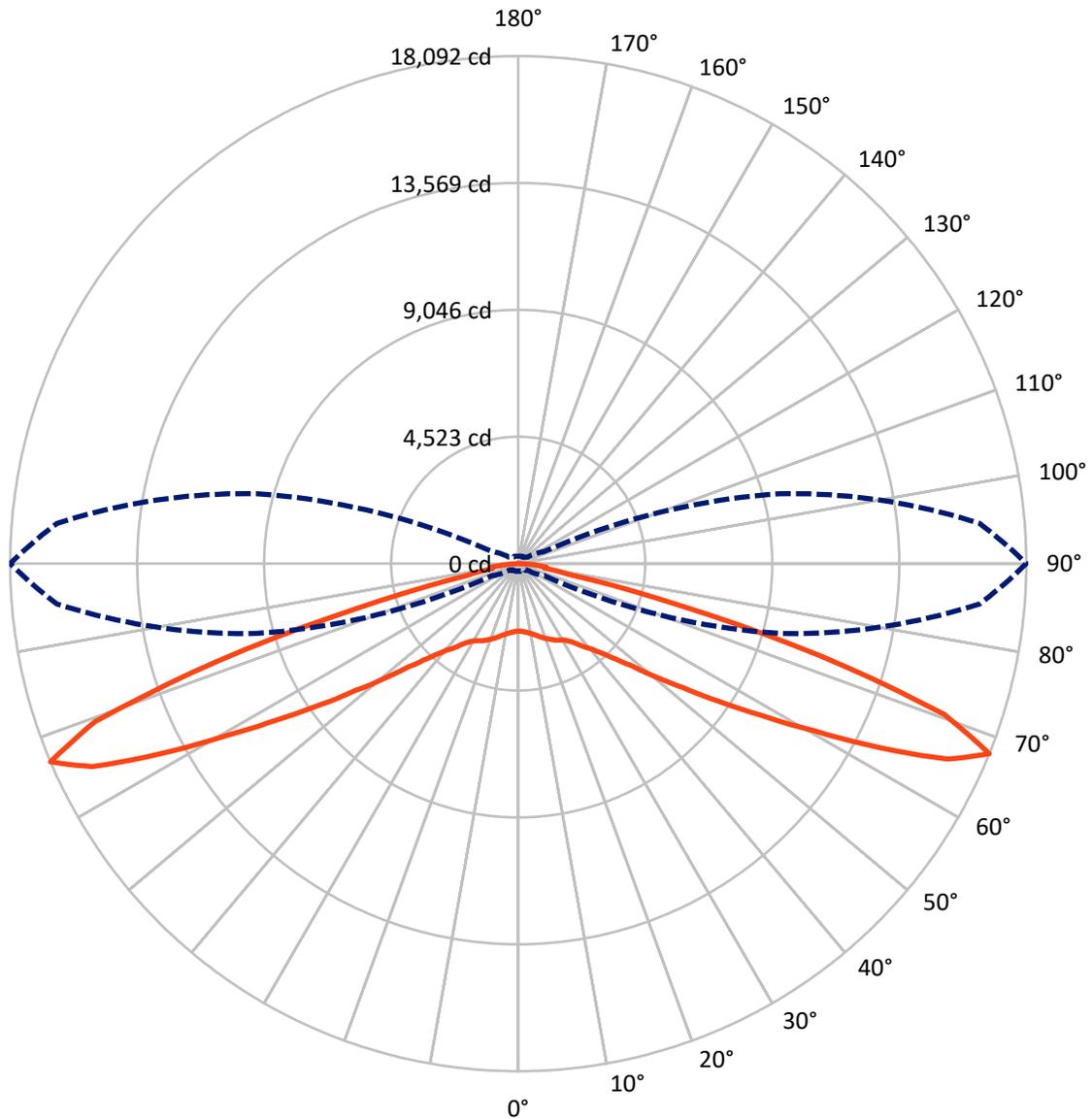
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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
<b>House Side</b>	Lumens	6801.5	0.0	6801.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6801.5	0.0	6801.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13603.0	0.0	13603.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.1	1.8
10°-20°	768.2	5.6
20°-30°	1285.7	9.5
30°-40°	1741.8	12.8
40°-50°	2206.3	16.2
50°-60°	2756.2	20.3
60°-70°	3239.8	23.8
70°-80°	1239.4	9.1
80°-90°	125.6	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°	13603.0	100.0
0°-180°	13603.0	100.0



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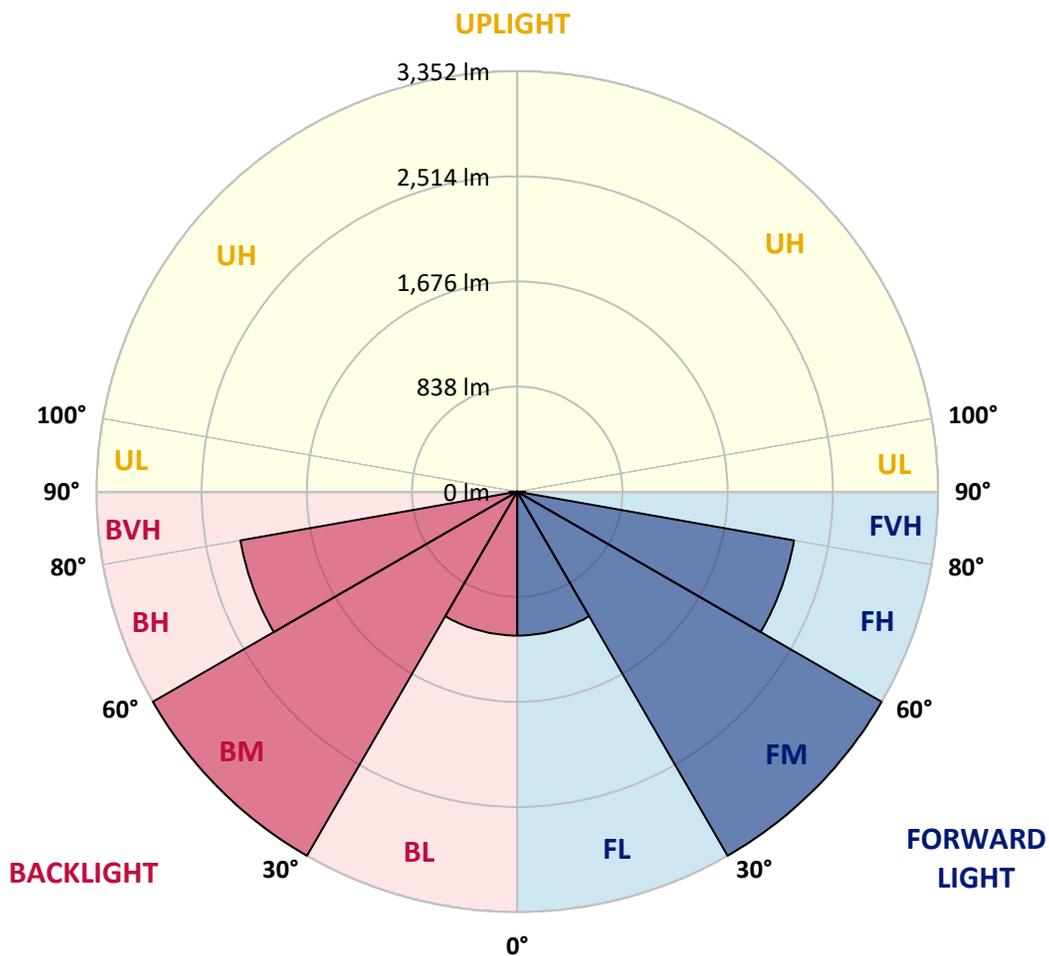
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1147.0	8.4			
FM	(30°-60°)	3352.2	24.6			
FH	(60°-80°)	2239.6	16.5			G2/5000
FVH	(80°-90°)	62.8	0.5			G1/100
BL	(0°-30°)	1147.0	8.4	B3/2500		
BM	(30°-60°)	3352.2	24.6	B3/5000		
BH	(60°-80°)	2239.6	16.5	B3/2500		G3/2500
BVH	(80°-90°)	62.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2	2408.2
2.5°	2439.0	2437.5	2438.3	2437.5	2439.8	2438.3	2429.2	2421.7	2415.7	2416.4	2414.2
5°	2491.0	2491.8	2492.5	2488.8	2494.0	2491.0	2476.7	2464.6	2452.6	2448.1	2446.6
7.5°	2533.9	2537.7	2540.0	2543.7	2552.8	2552.8	2545.2	2527.9	2501.6	2486.5	2485.7
10°	2576.9	2579.9	2586.7	2598.7	2613.8	2628.1	2625.1	2601.7	2567.8	2542.2	2536.2
12.5°	2591.9	2595.7	2618.3	2653.0	2686.9	2714.7	2714.7	2695.9	2652.2	2613.0	2601.7
15°	2539.2	2546.0	2586.7	2660.5	2749.4	2810.4	2824.0	2797.6	2750.9	2690.6	2677.1
17.5°	2434.5	2451.1	2510.6	2619.8	2767.5	2894.0	2933.2	2920.4	2860.1	2783.3	2767.5
20°	2322.3	2340.4	2403.6	2548.3	2752.4	2943.0	3056.7	3059.7	2985.1	2873.7	2850.3
22.5°	2198.7	2212.3	2293.7	2463.1	2707.2	2954.3	3162.9	3214.9	3114.0	2964.1	2930.9
25°	2060.2	2075.2	2160.3	2343.4	2622.1	2941.5	3260.1	3374.6	3248.8	3060.5	3018.3
27.5°	1927.6	1933.6	2024.7	2210.8	2509.8	2908.3	3331.6	3521.5	3397.9	3140.3	3086.8
30°	1800.3	1814.6	1895.2	2079.0	2381.0	2843.5	3393.4	3688.7	3558.4	3223.9	3155.4
32.5°	1665.4	1682.8	1770.1	1956.2	2252.2	2746.4	3431.1	3871.7	3782.1	3359.5	3286.4
35°	1535.9	1547.2	1635.3	1816.1	2126.4	2633.4	3437.9	4078.1	4070.6	3565.2	3468.0
37.5°	1403.3	1419.9	1508.8	1682.0	1993.1	2513.6	3404.0	4297.3	4418.6	3850.6	3745.9
40°	1276.0	1290.3	1377.7	1552.5	1841.7	2367.5	3323.4	4497.7	4824.6	4144.4	3996.0
42.5°	1137.4	1141.2	1236.8	1414.6	1693.3	2198.0	3207.4	4676.2	5277.3	4538.4	4353.8
45°	980.0	989.8	1078.7	1253.4	1523.1	2008.2	3049.9	4823.8	5851.3	5084.5	4832.9
47.5°	822.6	830.8	912.2	1084.7	1337.0	1790.5	2807.4	4953.4	6440.3	5778.2	5448.3
50°	668.9	673.4	739.7	892.6	1127.6	1561.5	2506.8	4994.8	7106.2	6760.5	6339.4
52.5°	528.8	535.6	586.0	705.8	903.9	1291.1	2182.2	4892.4	7883.6	7925.0	7331.4
55°	428.6	430.9	468.5	556.7	706.6	1007.9	1790.5	4606.9	8719.7	9417.2	8660.2
57.5°	369.1	370.6	391.7	440.7	543.8	760.0	1389.0	4066.8	9470.7	11165.5	10192.3
60°	335.2	336.0	348.0	376.6	430.9	583.0	995.0	3304.5	10211.9	13111.1	12096.5
62.5°	314.1	314.1	322.4	338.2	364.6	447.4	720.9	2384.1	10719.6	15085.4	14443.7
65°	293.8	293.8	299.8	311.1	325.4	366.1	532.6	1554.7	10706.8	16523.4	16804.4
67.5°	270.4	270.4	274.9	286.2	294.5	314.9	411.3	1018.4	9617.6	16491.8	18092.4
70°	242.5	242.5	248.6	258.4	265.1	278.0	324.7	696.8	7065.5	14081.3	16090.3
72.5°	214.7	215.4	219.2	229.0	234.3	241.8	269.7	488.1	4334.2	9588.2	11250.6
75°	183.8	185.3	189.1	198.9	203.4	206.4	227.5	348.0	2192.7	5169.6	5885.9
77.5°	148.4	151.4	153.7	164.2	167.2	171.7	187.6	251.6	962.7	1857.5	1874.1
80°	108.5	112.2	119.0	128.8	131.1	134.1	143.1	178.5	436.1	848.2	921.2
82.5°	79.8	85.1	76.8	89.6	89.6	85.9	100.9	119.8	200.4	839.9	1004.8
85°	43.7	44.4	39.9	45.9	49.0	48.2	53.5	58.8	97.2	560.4	577.7
87.5°	10.5	11.3	12.1	14.3	17.3	17.3	18.8	16.6	31.6	181.5	103.9
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)