

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: P1209266

Luminaire Tested: UPW-SA2-110-730-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-110-730-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13505 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

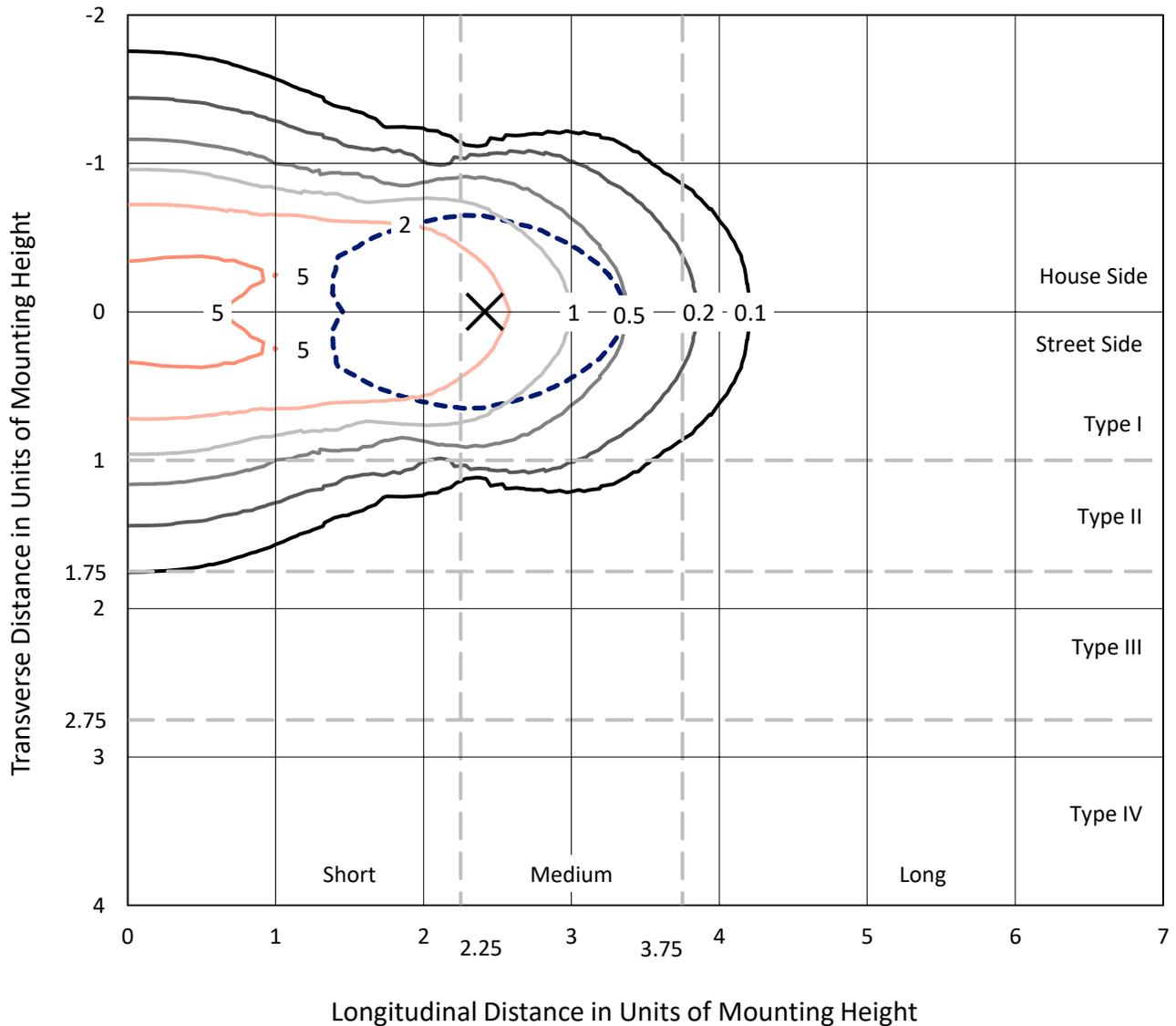
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

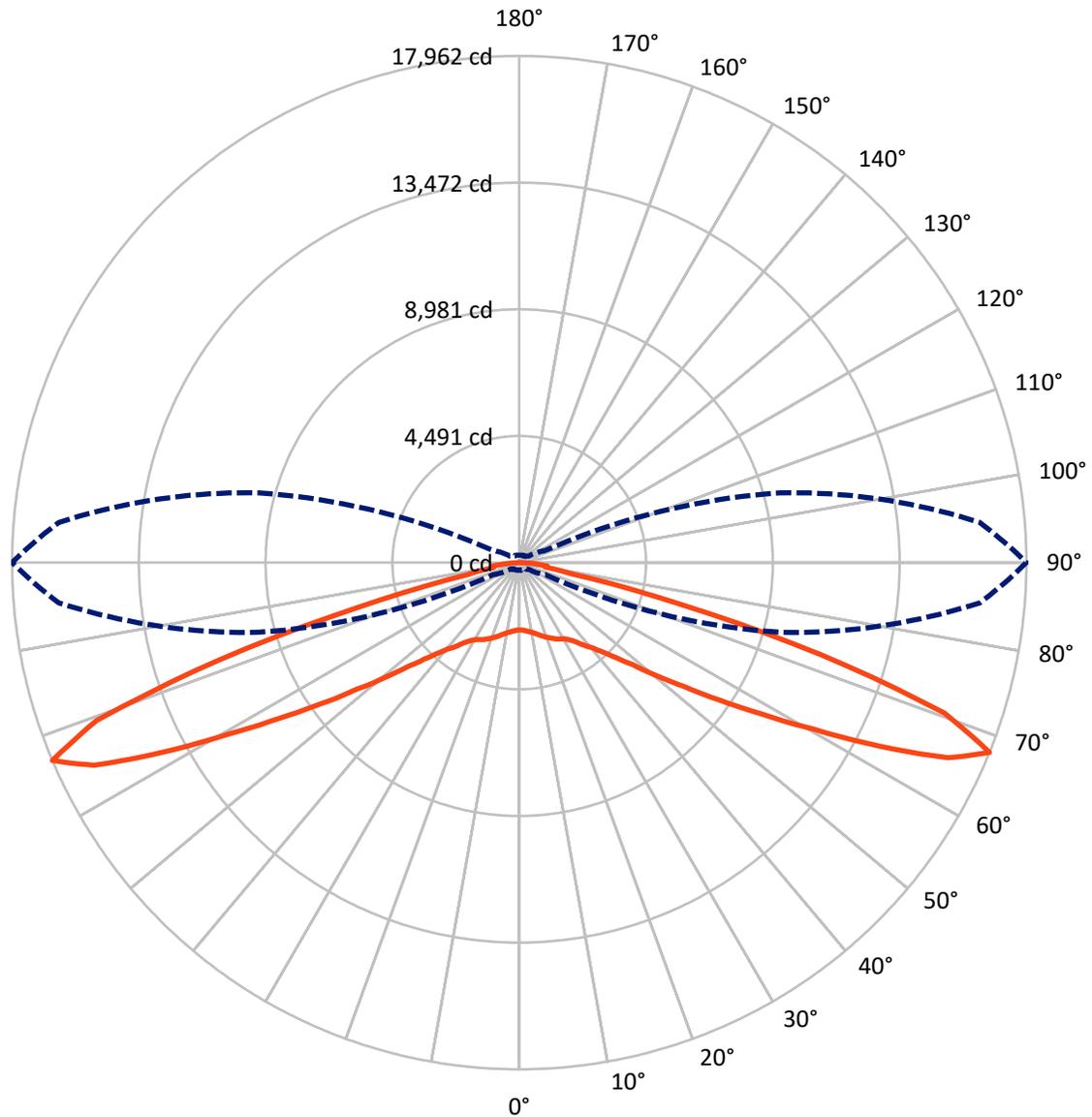


Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type I - Short - N/A

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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	6752.5	0.0	6752.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6752.5	0.0	6752.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13505.0	0.0	13505.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.4	1.8
10°-20°	762.6	5.6
20°-30°	1276.5	9.5
30°-40°	1729.3	12.8
40°-50°	2190.4	16.2
50°-60°	2736.4	20.3
60°-70°	3216.5	23.8
70°-80°	1230.4	9.1
80°-90°	124.7	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°	13505.0	100.0
0°-180°	13505.0	100.0



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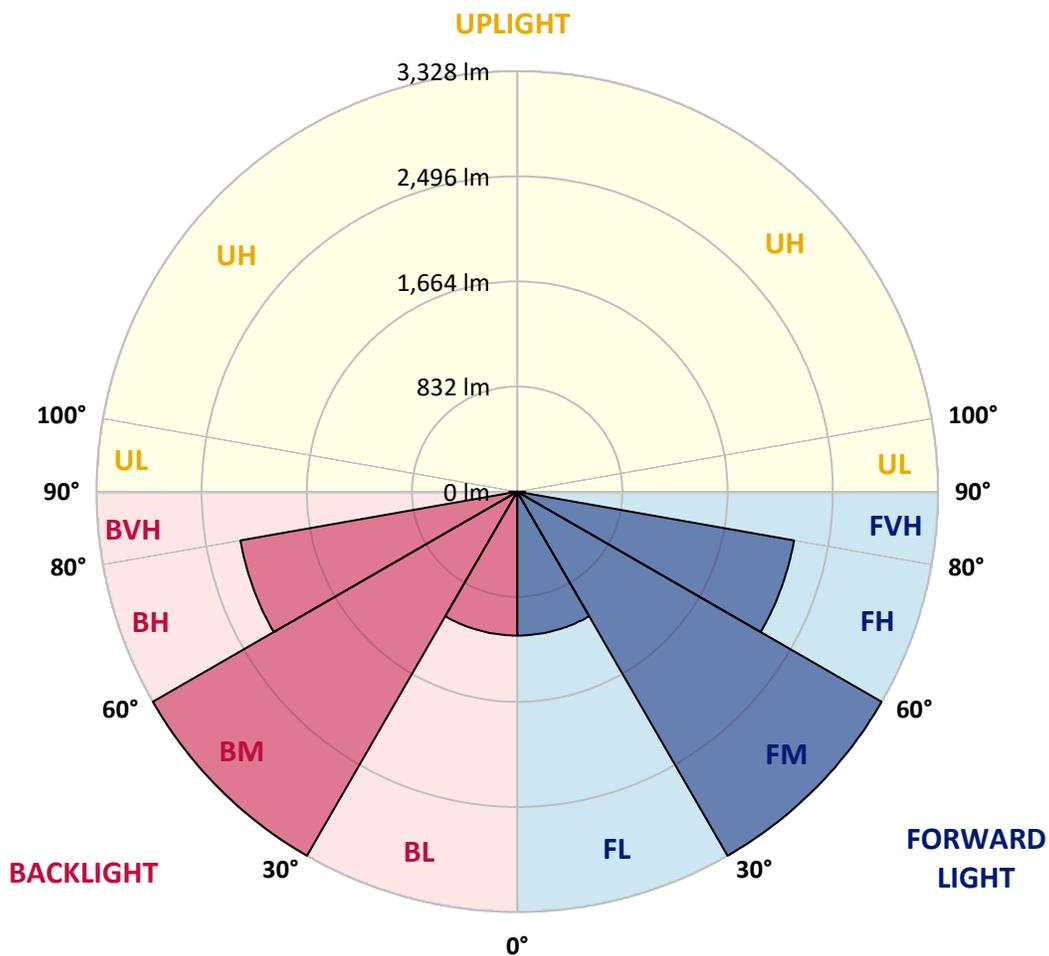
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1138.7	8.4			
FM (30°-60°)	3328.0	24.6			
FH (60°-80°)	2223.4	16.5			G2/5000
FVH (80°-90°)	62.3	0.5			G1/100
BL (0°-30°)	1138.7	8.4	B3/2500		
BM (30°-60°)	3328.0	24.6	B3/5000		
BH (60°-80°)	2223.4	16.5	B3/2500		G3/2500
BVH (80°-90°)	62.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8	2390.8
2.5°	2421.5	2420.0	2420.7	2420.0	2422.2	2420.7	2411.7	2404.3	2398.3	2399.0	2396.8
5°	2473.1	2473.8	2474.6	2470.8	2476.1	2473.1	2458.9	2446.9	2434.9	2430.4	2428.9
7.5°	2515.7	2519.4	2521.7	2525.4	2534.4	2534.4	2526.9	2509.7	2483.5	2468.6	2467.8
10°	2558.3	2561.3	2568.0	2580.0	2595.0	2609.2	2606.2	2583.0	2549.3	2523.9	2517.9
12.5°	2573.3	2577.0	2599.4	2633.8	2667.5	2695.2	2695.2	2676.5	2633.1	2594.2	2583.0
15°	2520.9	2527.7	2568.0	2641.3	2729.6	2790.1	2803.6	2777.4	2731.1	2671.2	2657.8
17.5°	2417.0	2433.4	2492.5	2600.9	2747.5	2873.2	2912.0	2899.3	2839.5	2763.2	2747.5
20°	2305.6	2323.5	2386.3	2529.9	2732.6	2921.8	3034.7	3037.7	2963.6	2853.0	2829.8
22.5°	2182.9	2196.4	2277.1	2445.4	2687.7	2933.0	3140.1	3191.7	3091.5	2942.7	2909.8
25°	2045.3	2060.3	2144.8	2326.5	2603.2	2920.3	3236.6	3350.3	3225.4	3038.4	2996.5
27.5°	1913.7	1919.7	2010.2	2194.9	2491.8	2887.4	3307.6	3496.1	3373.5	3117.7	3064.6
30°	1787.3	1801.5	1881.5	2064.0	2363.9	2823.0	3369.0	3662.1	3532.7	3200.7	3132.7
32.5°	1653.4	1670.6	1757.4	1942.1	2236.0	2726.6	3406.4	3843.8	3754.8	3335.3	3262.8
35°	1524.8	1536.0	1623.5	1803.0	2111.1	2614.4	3413.1	4048.7	4041.3	3539.5	3443.0
37.5°	1393.2	1409.7	1497.9	1669.9	1978.8	2495.5	3379.4	4266.4	4386.8	3822.9	3718.9
40°	1266.8	1281.0	1367.8	1541.3	1828.4	2350.4	3299.4	4465.3	4789.8	4114.5	3967.2
42.5°	1129.2	1133.0	1227.9	1404.4	1681.1	2182.2	3184.3	4642.5	5239.3	4505.7	4322.4
45°	972.9	982.6	1070.9	1244.4	1512.1	1993.7	3028.0	4789.1	5809.1	5047.8	4798.1
47.5°	816.6	824.9	905.6	1076.9	1327.4	1777.6	2787.2	4917.7	6393.9	5736.6	5409.0
50°	664.1	668.6	734.4	886.2	1119.5	1550.2	2488.8	4958.8	7055.0	6711.8	6293.7
52.5°	525.0	531.7	581.8	700.7	897.4	1281.8	2166.5	4857.1	7826.8	7867.9	7278.6
55°	425.5	427.8	465.1	552.6	701.5	1000.6	1777.6	4573.7	8656.9	9349.3	8597.8
57.5°	366.4	367.9	388.9	437.5	539.9	754.6	1379.0	4037.5	9402.4	11085.1	10118.9
60°	332.8	333.5	345.5	373.9	427.8	578.8	987.9	3280.7	10138.3	13016.7	12009.4
62.5°	311.8	311.8	320.1	335.8	361.9	444.2	715.7	2366.9	10642.3	14976.7	14339.6
65°	291.7	291.7	297.6	308.9	323.1	363.4	528.7	1543.5	10629.6	16404.4	16683.3
67.5°	268.5	268.5	273.0	284.2	292.4	312.6	408.3	1011.1	9548.3	16372.9	17962.1
70°	240.8	240.8	246.8	256.5	263.2	275.9	322.3	691.7	7014.6	13979.9	15974.3
72.5°	213.1	213.9	217.6	227.3	232.6	240.1	267.7	484.6	4303.0	9519.1	11169.6
75°	182.5	184.0	187.7	197.4	201.9	204.9	225.8	345.5	2176.9	5132.3	5843.5
77.5°	147.3	150.3	152.6	163.0	166.0	170.5	186.2	249.8	955.7	1844.1	1860.6
80°	107.7	111.4	118.2	127.9	130.1	133.1	142.1	177.2	433.0	842.1	914.6
82.5°	79.3	84.5	76.3	89.0	89.0	85.3	100.2	118.9	198.9	833.8	997.6
85°	43.4	44.1	39.6	45.6	48.6	47.9	53.1	58.3	96.5	556.4	573.6
87.5°	10.5	11.2	12.0	14.2	17.2	17.2	18.7	16.5	31.4	180.2	103.2
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)