

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: P1209590

Luminaire Tested: UPW-SA2-130-750-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209590  
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-SA2-130-750-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16266 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

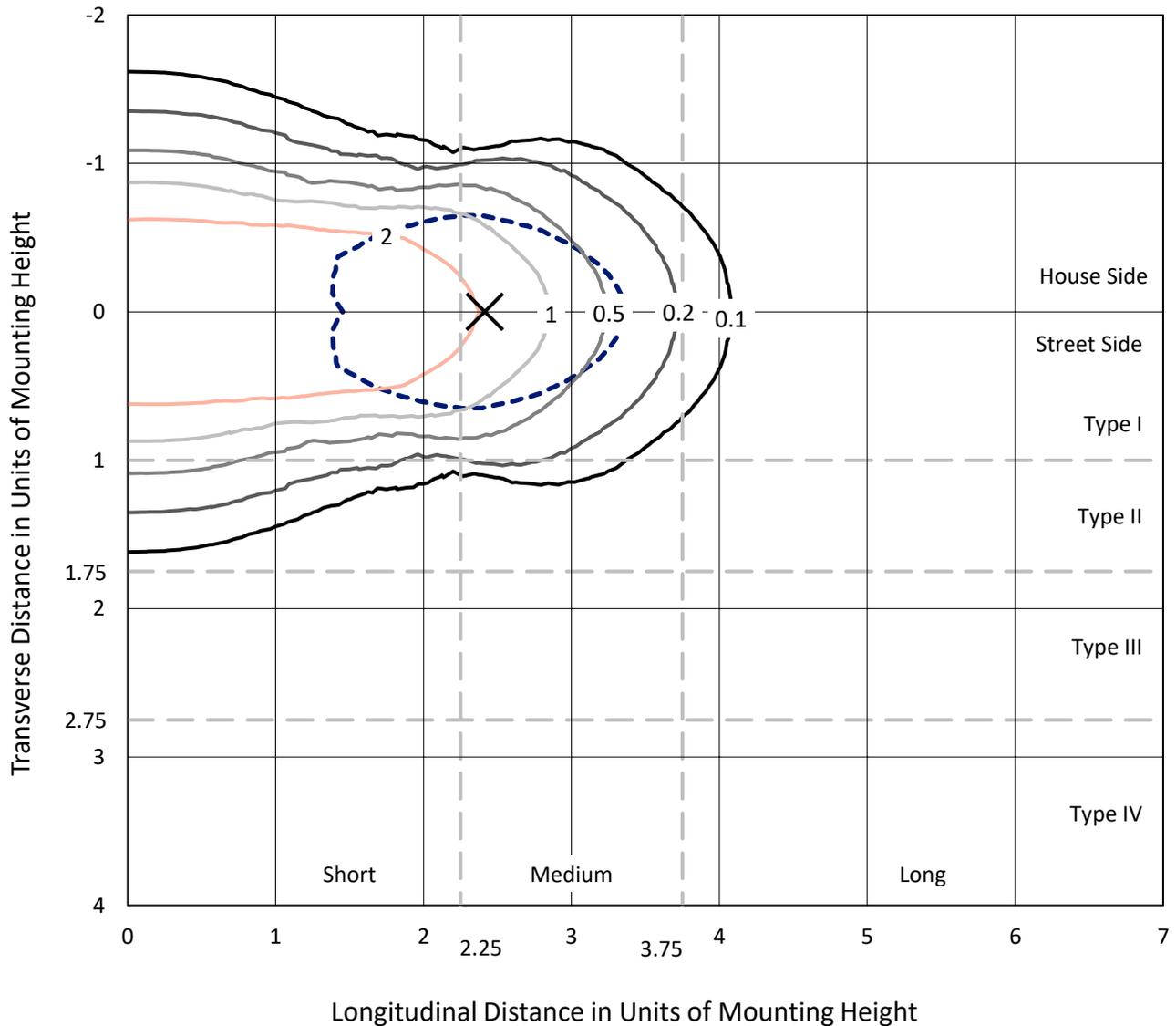
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

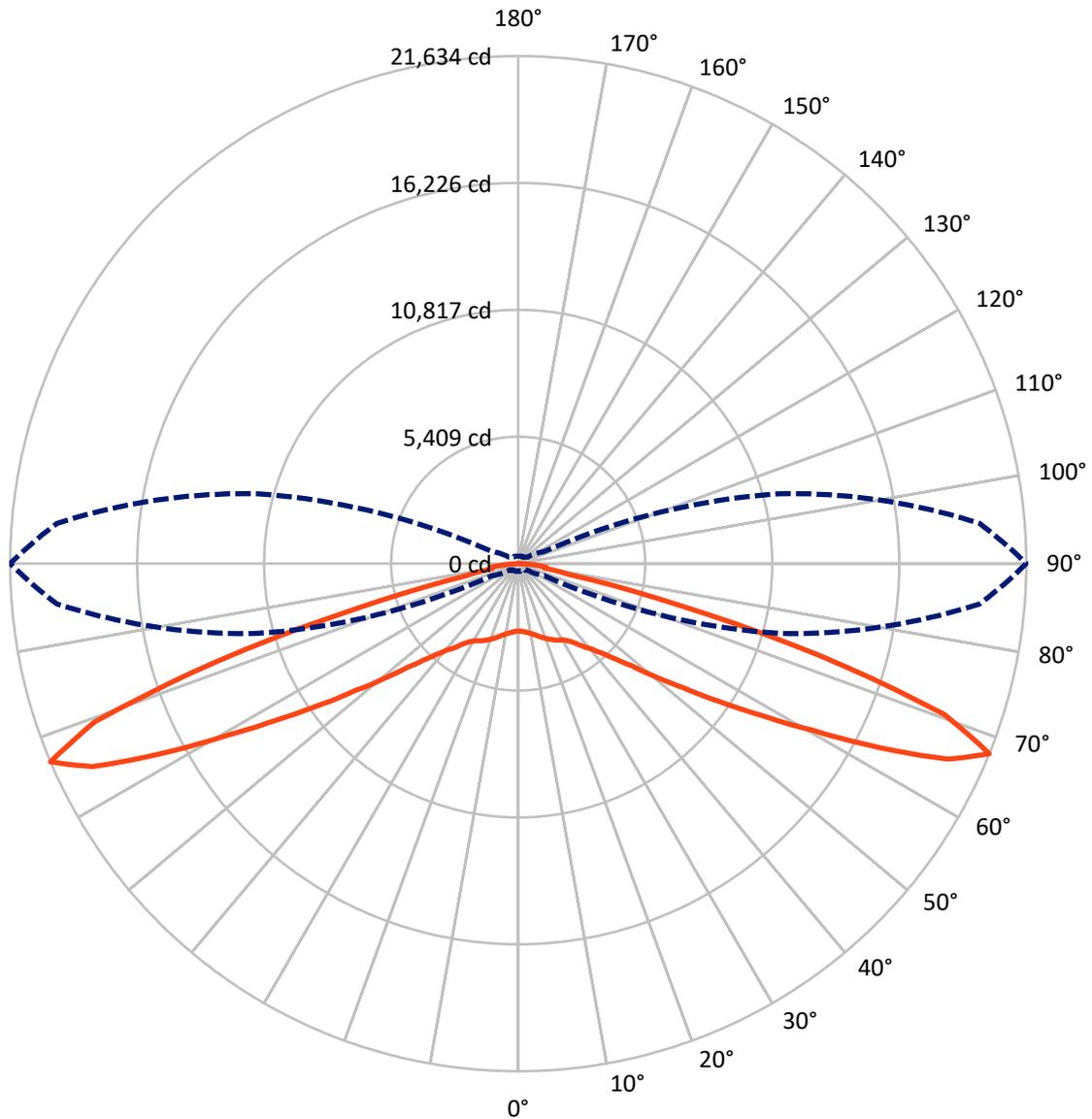
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	8133.0	0.0	8133.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8133.0	0.0	8133.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16266.0	0.0	16266.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.1	1.8
10°-20°	918.5	5.6
20°-30°	1537.4	9.5
30°-40°	2082.8	12.8
40°-50°	2638.2	16.2
50°-60°	3295.8	20.3
60°-70°	3874.0	23.8
70°-80°	1482.0	9.1
80°-90°	150.1	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°	16266.0	100.0
0°-180°	16266.0	100.0



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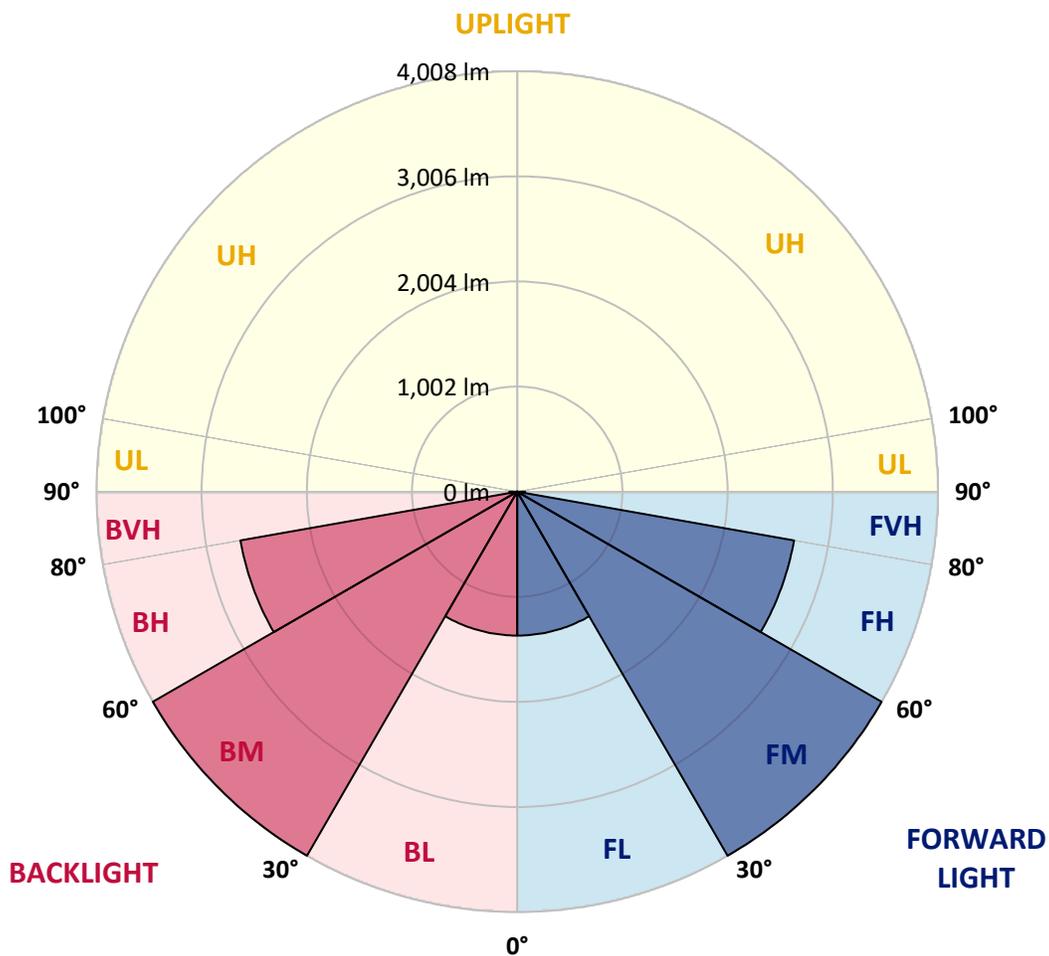
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.5	8.4			
FM (30°-60°)	4008.4	24.6			
FH (60°-80°)	2678.0	16.5			G2/5000
FVH (80°-90°)	75.1	0.5			G1/100
BL (0°-30°)	1371.5	8.4	B3/2500		
BM (30°-60°)	4008.4	24.6	B3/5000		
BH (60°-80°)	2678.0	16.5	B4/5000		G4/5000
BVH (80°-90°)	75.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6	2879.6
2.5°	2916.5	2914.7	2915.6	2914.7	2917.4	2915.6	2904.8	2895.8	2888.6	2889.5	2886.8
5°	2978.7	2979.6	2980.5	2976.0	2982.3	2978.7	2961.6	2947.1	2932.7	2927.3	2925.5
7.5°	3030.0	3034.5	3037.2	3041.7	3052.5	3052.5	3043.5	3022.8	2991.3	2973.3	2972.4
10°	3081.3	3085.0	3093.1	3107.5	3125.5	3142.6	3139.0	3111.1	3070.5	3039.9	3032.7
12.5°	3099.4	3103.9	3130.9	3172.3	3212.9	3246.2	3246.2	3223.7	3171.4	3124.6	3111.1
15°	3036.3	3044.4	3093.1	3181.3	3287.6	3360.6	3376.8	3345.3	3289.4	3217.4	3201.1
17.5°	2911.1	2930.9	3002.1	3132.7	3309.2	3460.6	3507.4	3492.1	3420.0	3328.1	3309.2
20°	2776.9	2798.5	2874.2	3047.1	3291.2	3519.1	3655.1	3658.7	3569.5	3436.2	3408.3
22.5°	2629.2	2645.4	2742.7	2945.3	3237.2	3532.6	3782.1	3844.3	3723.6	3544.3	3504.7
25°	2463.5	2481.5	2583.3	2802.1	3135.4	3517.3	3898.3	4035.2	3884.8	3659.6	3609.2
27.5°	2304.9	2312.1	2421.1	2643.6	3001.2	3477.7	3983.9	4210.8	4063.1	3755.1	3691.1
30°	2152.7	2169.8	2266.2	2486.0	2847.2	3400.2	4057.7	4410.8	4255.0	3855.1	3773.1
32.5°	1991.5	2012.2	2116.7	2339.2	2693.1	3284.0	4102.8	4629.7	4522.5	4017.2	3929.8
35°	1836.6	1850.1	1955.5	2171.6	2542.7	3148.9	4110.9	4876.5	4867.5	4263.1	4146.9
37.5°	1678.0	1697.8	1804.1	2011.3	2383.3	3005.7	4070.3	5138.6	5283.6	4604.5	4479.3
40°	1525.8	1542.9	1647.4	1856.4	2202.3	2830.9	3974.0	5378.2	5769.1	4955.7	4778.3
42.5°	1360.1	1364.6	1479.0	1691.5	2024.8	2628.3	3835.2	5591.6	6310.4	5426.8	5206.1
45°	1171.8	1183.5	1289.8	1498.8	1821.2	2401.3	3647.0	5768.2	6996.8	6079.8	5779.0
47.5°	983.6	993.5	1090.8	1297.0	1598.8	2141.0	3357.0	5923.1	7701.1	6909.4	6514.9
50°	799.8	805.2	884.5	1067.3	1348.4	1867.2	2997.6	5972.6	8497.4	8083.9	7580.4
52.5°	632.3	640.4	700.8	844.0	1080.9	1543.8	2609.4	5850.1	9426.9	9476.4	8766.7
55°	512.5	515.2	560.2	665.6	844.9	1205.2	2141.0	5508.8	10426.7	11260.7	10355.5
57.5°	441.4	443.2	468.4	526.9	650.3	908.8	1660.9	4863.0	11324.7	13351.3	12187.6
60°	400.8	401.7	416.1	450.4	515.2	697.2	1189.8	3951.4	12211.0	15677.9	14464.6
62.5°	375.6	375.6	385.5	404.4	435.9	535.0	862.0	2850.8	12818.1	18038.6	17271.2
65°	351.3	351.3	358.5	372.0	389.1	437.7	636.8	1859.1	12802.8	19758.1	20094.1
67.5°	323.4	323.4	328.8	342.3	352.2	376.5	491.8	1217.8	11500.3	19720.3	21634.3
70°	290.0	290.0	297.2	308.9	317.1	332.4	388.2	833.2	8448.7	16838.0	19240.2
72.5°	256.7	257.6	262.1	273.8	280.1	289.1	322.5	583.7	5182.7	11465.2	13453.1
75°	219.8	221.6	226.1	237.8	243.2	246.8	272.0	416.1	2622.0	6181.6	7038.2
77.5°	177.4	181.0	183.7	196.4	200.0	205.4	224.3	300.8	1151.1	2221.2	2241.0
80°	129.7	134.2	142.3	154.0	156.7	160.3	171.1	213.5	521.5	1014.2	1101.6
82.5°	95.5	101.8	91.9	107.2	107.2	102.7	120.7	143.2	239.6	1004.3	1201.6
85°	52.2	53.1	47.7	54.9	58.5	57.6	64.0	70.3	116.2	670.1	690.8
87.5°	12.6	13.5	14.4	17.1	20.7	20.7	22.5	19.8	37.8	217.1	124.3
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)