

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: P1209509

Luminaire Tested: UPW-SA2-130-730-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209509  
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-SA2-130-730-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14813 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

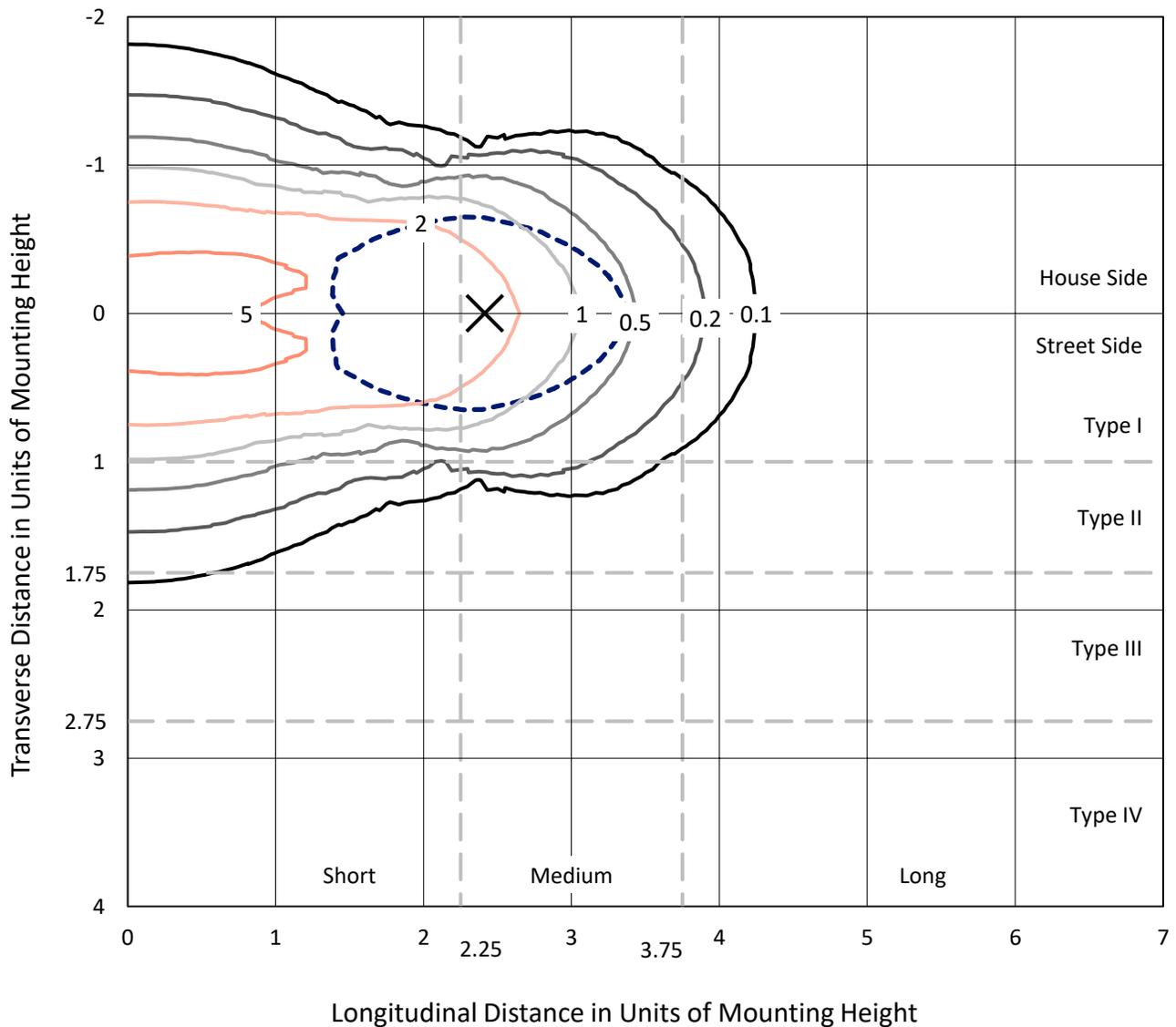
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209509  
 CATALOG NUMBER: UPW-SA2-130-730-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

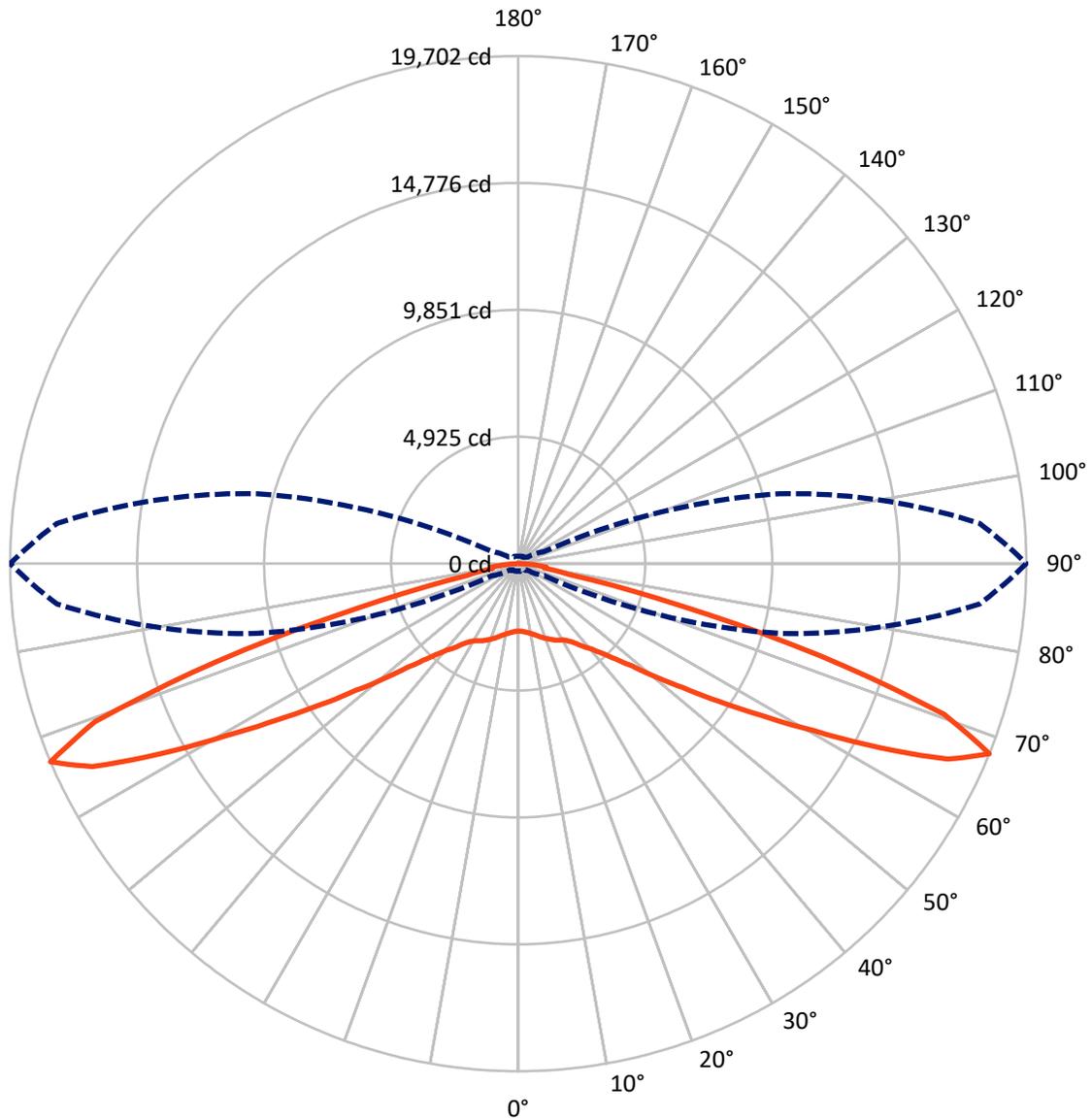


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc  
 Type I - Short - N/A

REPORT NUMBER: P1209509

CATALOG NUMBER: UPW-SA2-130-730-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P1209509

CATALOG NUMBER: UPW-SA2-130-730-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7406.5	0.0	7406.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7406.5	0.0	7406.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14813.0	0.0	14813.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.5	1.8
10°-20°	836.5	5.6
20°-30°	1400.1	9.5
30°-40°	1896.7	12.8
40°-50°	2402.5	16.2
50°-60°	3001.4	20.3
60°-70°	3528.0	23.8
70°-80°	1349.6	9.1
80°-90°	136.7	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°	14813.0	100.0
0°-180°	14813.0	100.0



REPORT NUMBER: P1209509

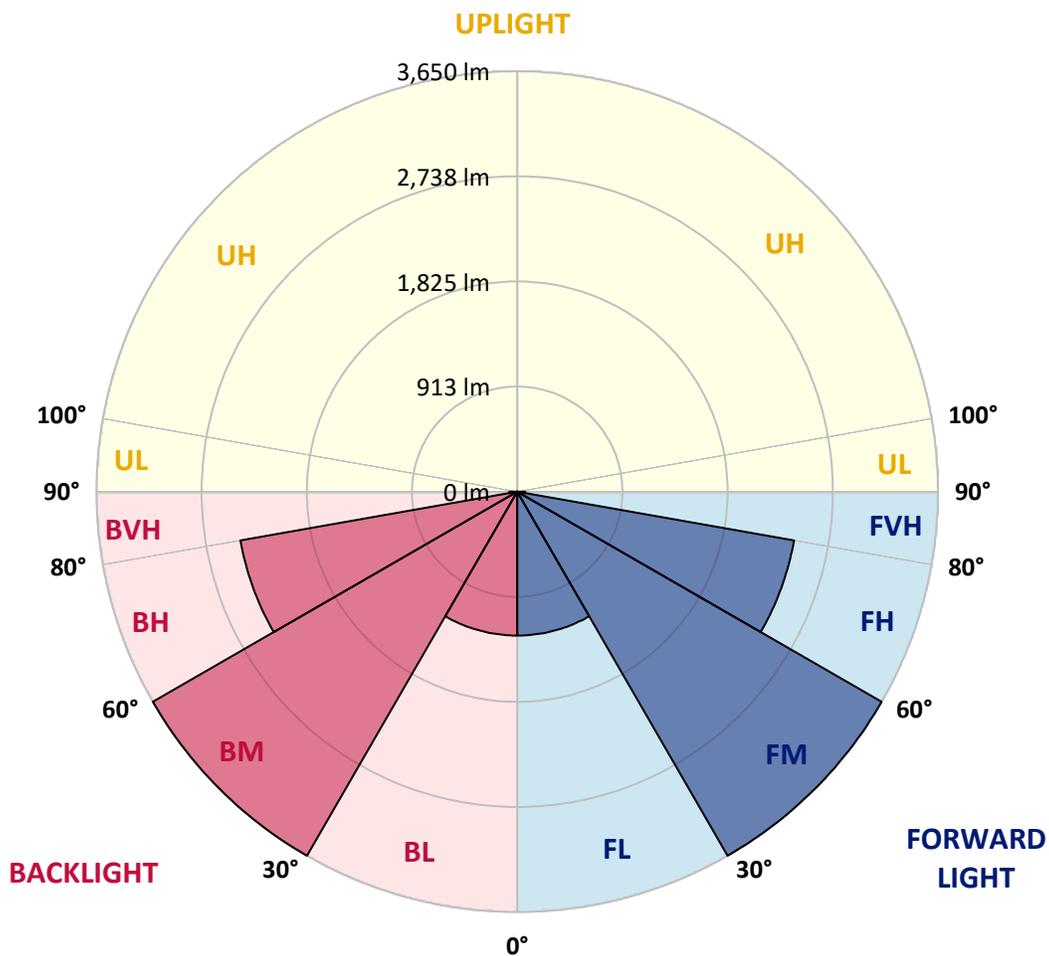
CATALOG NUMBER: UPW-SA2-130-730-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1249.0	8.4			
FM	(30°-60°)	3650.3	24.6			
FH	(60°-80°)	2438.8	16.5			G2/5000
FVH	(80°-90°)	68.4	0.5			G1/100
BL	(0°-30°)	1249.0	8.4	B3/2500		
BM	(30°-60°)	3650.3	24.6	B3/5000		
BH	(60°-80°)	2438.8	16.5	B3/2500		G3/2500
BVH	(80°-90°)	68.4	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





REPORT NUMBER: P1209509

CATALOG NUMBER: UPW-SA2-130-730-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4	2622.4
2.5°	2656.0	2654.4	2655.2	2654.4	2656.8	2655.2	2645.3	2637.1	2630.6	2631.4	2628.9
5°	2712.6	2713.4	2714.2	2710.1	2715.9	2712.6	2697.0	2683.9	2670.8	2665.8	2664.2
7.5°	2759.3	2763.4	2765.9	2770.0	2779.9	2779.9	2771.6	2752.8	2724.1	2707.7	2706.8
10°	2806.1	2809.4	2816.8	2829.9	2846.3	2861.9	2858.6	2833.2	2796.3	2768.4	2761.8
12.5°	2822.5	2826.6	2851.2	2888.9	2925.9	2956.2	2956.2	2935.7	2888.1	2845.5	2833.2
15°	2765.1	2772.5	2816.8	2897.1	2993.9	3060.4	3075.1	3046.4	2995.6	2930.0	2915.2
17.5°	2651.1	2669.1	2733.9	2852.9	3013.6	3151.4	3194.1	3180.1	3114.5	3030.9	3013.6
20°	2528.9	2548.5	2617.4	2774.9	2997.2	3204.7	3328.6	3331.9	3250.7	3129.3	3103.9
22.5°	2394.3	2409.1	2497.7	2682.2	2948.0	3217.0	3444.3	3500.9	3390.9	3227.7	3191.6
25°	2243.4	2259.8	2352.5	2551.8	2855.3	3203.1	3550.1	3674.8	3537.8	3332.7	3286.8
27.5°	2099.0	2105.6	2204.9	2407.5	2733.1	3167.0	3628.0	3834.7	3700.2	3419.7	3361.4
30°	1960.4	1976.0	2063.8	2263.9	2592.8	3096.5	3695.3	4016.8	3874.9	3510.7	3436.1
32.5°	1813.6	1832.5	1927.6	2130.2	2452.6	2990.7	3736.3	4216.1	4118.5	3658.3	3578.8
35°	1672.5	1684.8	1780.8	1977.6	2315.6	2867.6	3743.7	4440.9	4432.7	3882.3	3776.5
37.5°	1528.1	1546.2	1643.0	1831.6	2170.4	2737.2	3706.7	4679.6	4811.6	4193.2	4079.1
40°	1389.5	1405.1	1500.3	1690.6	2005.5	2578.1	3619.0	4897.8	5253.7	4513.1	4351.5
42.5°	1238.6	1242.7	1346.9	1540.4	1843.9	2393.5	3492.7	5092.2	5746.7	4942.0	4741.1
45°	1067.2	1077.8	1174.6	1364.9	1658.6	2186.8	3321.2	5252.9	6371.8	5536.7	5262.8
47.5°	895.7	904.7	993.3	1181.2	1456.0	1949.8	3057.1	5394.0	7013.2	6292.2	5932.9
50°	728.4	733.3	805.5	972.0	1227.9	1700.4	2729.8	5439.1	7738.3	7361.8	6903.3
52.5°	575.8	583.2	638.2	768.6	984.3	1405.9	2376.3	5327.6	8584.8	8629.9	7983.6
55°	466.7	469.2	510.2	606.2	769.4	1097.5	1949.8	5016.7	9495.3	10254.9	9430.5
57.5°	401.9	403.6	426.5	479.9	592.2	827.6	1512.6	4428.6	10313.1	12158.7	11098.9
60°	365.0	365.8	379.0	410.1	469.2	634.9	1083.6	3598.5	11120.2	14277.4	13172.5
62.5°	342.0	342.0	351.1	368.3	397.0	487.2	785.0	2596.1	11673.1	16427.3	15728.4
65°	319.9	319.9	326.5	338.8	354.4	398.6	579.9	1693.0	11659.1	17993.2	18299.1
67.5°	294.5	294.5	299.4	311.7	320.7	342.9	447.9	1109.0	10473.0	17958.7	19701.8
70°	264.1	264.1	270.7	281.3	288.7	302.7	353.5	758.7	7694.0	15333.9	17521.5
72.5°	233.8	234.6	238.7	249.4	255.1	263.3	293.7	531.5	4719.8	10441.1	12251.4
75°	200.1	201.8	205.9	216.5	221.5	224.8	247.7	379.0	2387.8	5629.4	6409.5
77.5°	161.6	164.9	167.3	178.8	182.1	187.0	204.2	274.0	1048.3	2022.8	2040.8
80°	118.1	122.2	129.6	140.3	142.7	146.0	155.8	194.4	474.9	923.6	1003.2
82.5°	86.9	92.7	83.7	97.6	97.6	93.5	109.9	130.4	218.2	914.6	1094.2
85°	47.6	48.4	43.5	50.0	53.3	52.5	58.2	64.0	105.8	610.3	629.1
87.5°	11.5	12.3	13.1	15.6	18.9	18.9	20.5	18.0	34.5	197.7	113.2
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)