

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: P1209644

Luminaire Tested: UPW-SA2-130-827-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209644
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-SA2-130-827-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 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: 11957 lumens
Efficiency: N/A
Efficacy: 93.4 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): 128
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

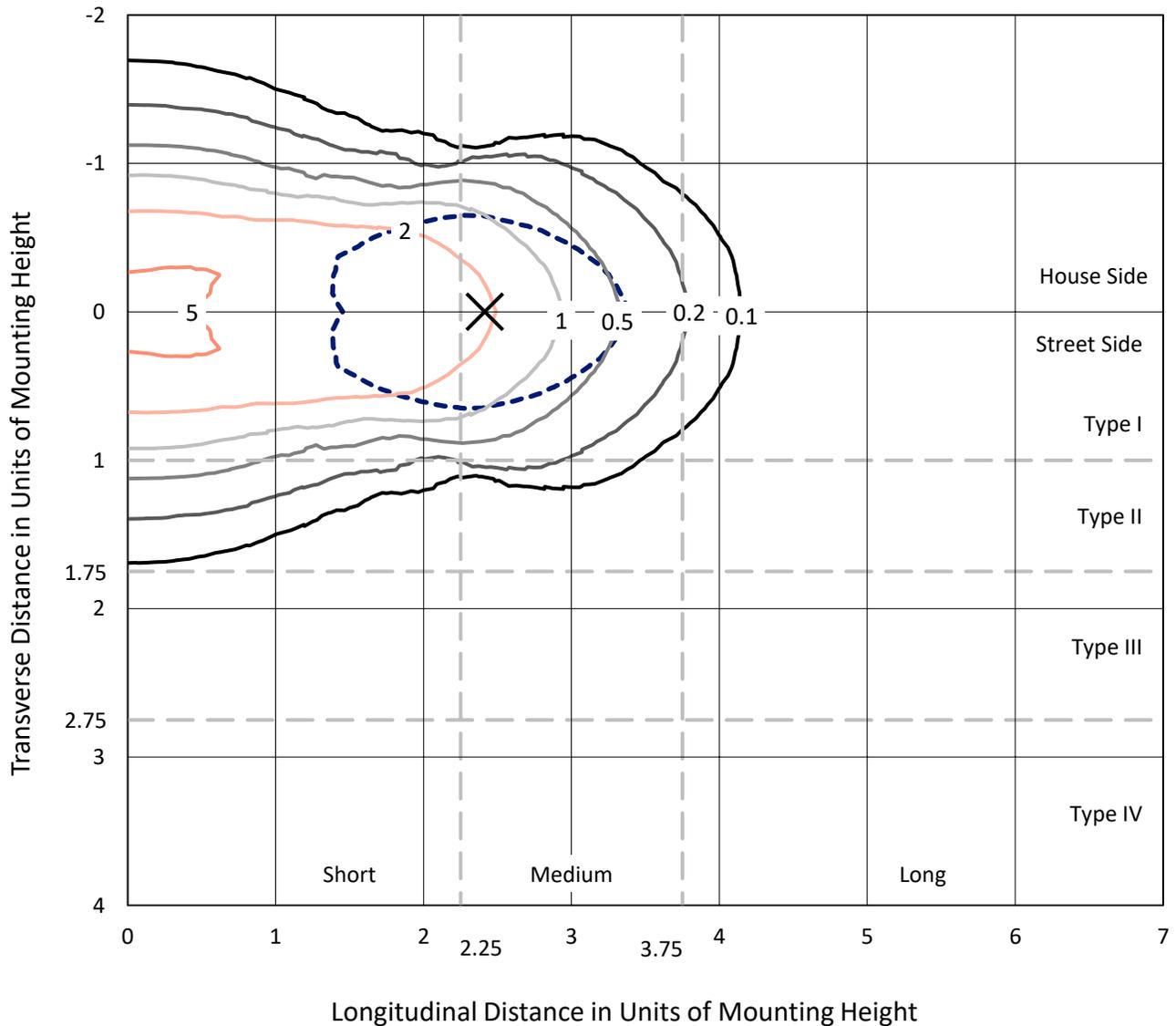


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Iso-Footcandle Lines of Horizontal Illumination

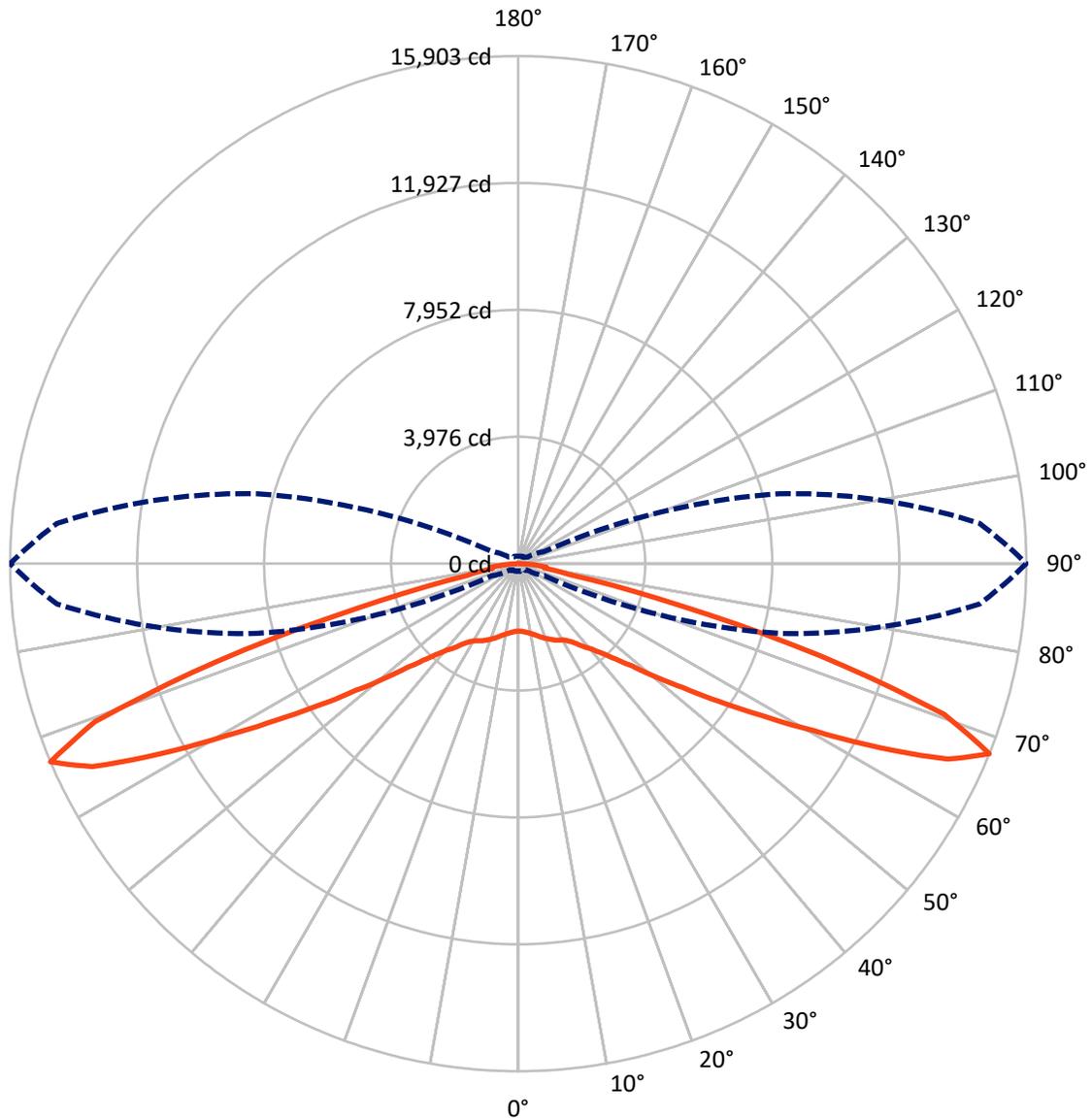
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	5978.5	0.0	5978.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5978.5	0.0	5978.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11957.0	0.0	11957.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.8
10°-20°	675.2	5.6
20°-30°	1130.1	9.5
30°-40°	1531.0	12.8
40°-50°	1939.3	16.2
50°-60°	2422.7	20.3
60°-70°	2847.8	23.8
70°-80°	1089.4	9.1
80°-90°	110.4	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°	11957.0	100.0
0°-180°	11957.0	100.0



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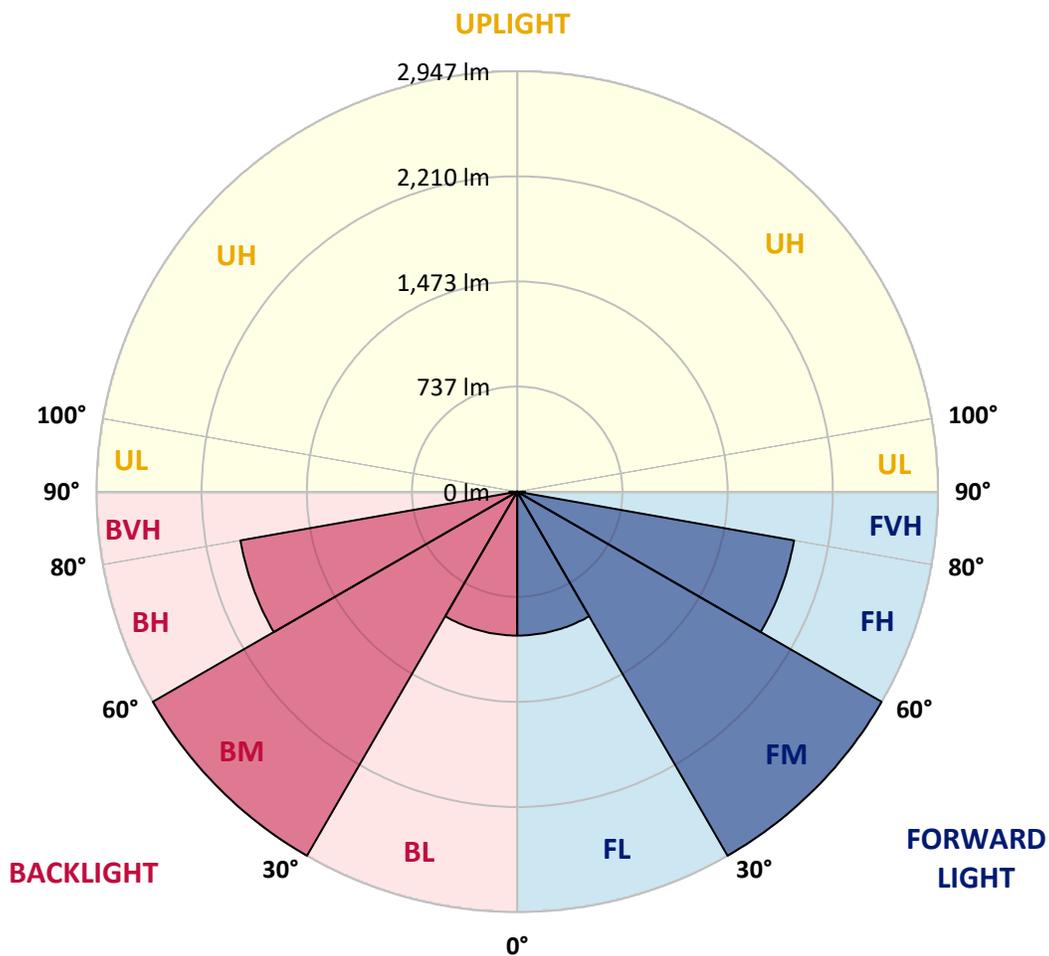
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1008.2	8.4			
FM (30°-60°)	2946.5	24.6			
FH (60°-80°)	1968.6	16.5			G2/5000
FVH (80°-90°)	55.2	0.5			G1/100
BL (0°-30°)	1008.2	8.4	B3/2500		
BM (30°-60°)	2946.5	24.6	B3/5000		
BH (60°-80°)	1968.6	16.5	B3/2500		G3/2500
BVH (80°-90°)	55.2	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°	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8	2116.8
2.5°	2143.9	2142.6	2143.2	2142.6	2144.6	2143.2	2135.3	2128.7	2123.4	2124.0	2122.1
5°	2189.6	2190.3	2190.9	2187.6	2192.2	2189.6	2177.0	2166.4	2155.8	2151.9	2150.5
7.5°	2227.3	2230.6	2232.6	2235.9	2243.9	2243.9	2237.3	2222.0	2198.9	2185.6	2185.0
10°	2265.1	2267.7	2273.7	2284.3	2297.5	2310.1	2307.4	2286.9	2257.1	2234.6	2229.3
12.5°	2278.3	2281.6	2301.5	2331.9	2361.7	2386.2	2386.2	2369.7	2331.3	2296.9	2286.9
15°	2232.0	2237.9	2273.7	2338.6	2416.7	2470.3	2482.2	2459.1	2418.0	2365.1	2353.1
17.5°	2139.9	2154.5	2206.8	2302.8	2432.6	2543.8	2578.3	2567.0	2514.0	2446.5	2432.6
20°	2041.3	2057.2	2112.8	2239.9	2419.3	2586.9	2686.8	2689.5	2623.9	2525.9	2505.4
22.5°	1932.7	1944.6	2016.1	2165.1	2379.6	2596.8	2780.2	2825.9	2737.2	2605.4	2576.3
25°	1810.9	1824.1	1898.9	2059.8	2304.8	2585.5	2865.6	2966.2	2855.7	2690.1	2653.1
27.5°	1694.3	1699.6	1779.7	1943.3	2206.1	2556.4	2928.5	3095.4	2986.8	2760.3	2713.3
30°	1582.4	1595.0	1665.9	1827.4	2092.9	2499.5	2982.8	3242.3	3127.8	2833.8	2773.6
32.5°	1463.9	1479.2	1556.0	1719.5	1979.7	2414.0	3015.9	3403.2	3324.4	2953.0	2888.8
35°	1350.0	1360.0	1437.4	1596.3	1869.1	2314.7	3021.9	3584.7	3578.0	3133.8	3048.3
37.5°	1233.5	1248.1	1326.2	1478.5	1751.9	2209.5	2992.1	3777.3	3883.9	3384.7	3292.7
40°	1121.6	1134.2	1211.0	1364.6	1618.9	2081.0	2921.2	3953.5	4240.8	3642.9	3512.5
42.5°	999.8	1003.1	1087.2	1243.4	1488.4	1932.0	2819.3	4110.4	4638.7	3989.2	3827.0
45°	861.4	870.0	948.1	1101.7	1338.8	1765.2	2680.9	4240.1	5143.3	4469.2	4248.1
47.5°	723.0	730.3	801.8	953.4	1175.2	1573.8	2467.7	4354.0	5661.0	5079.0	4789.0
50°	588.0	591.9	650.2	784.6	991.2	1372.6	2203.5	4390.4	6246.3	5942.4	5572.3
52.5°	464.8	470.8	515.1	620.4	794.5	1134.9	1918.1	4300.4	6929.6	6966.0	6444.3
55°	376.7	378.7	411.8	489.3	621.1	885.9	1573.8	4049.5	7664.6	8277.7	7612.3
57.5°	324.4	325.8	344.3	387.3	478.0	668.1	1220.9	3574.7	8324.7	9814.4	8959.0
60°	294.6	295.3	305.9	331.1	378.7	512.5	874.6	2904.7	8976.2	11524.7	10632.8
62.5°	276.1	276.1	283.4	297.3	320.5	393.3	633.6	2095.6	9422.5	13260.0	12695.9
65°	258.2	258.2	263.5	273.5	286.0	321.8	468.1	1366.6	9411.2	14524.0	14771.0
67.5°	237.7	237.7	241.7	251.6	258.9	276.8	361.5	895.2	8453.8	14496.2	15903.2
70°	213.2	213.2	218.5	227.1	233.1	244.3	285.4	612.5	6210.6	12377.5	14143.3
72.5°	188.7	189.4	192.7	201.3	205.9	212.5	237.0	429.0	3809.8	8428.0	9889.3
75°	161.6	162.9	166.2	174.8	178.8	181.4	200.0	305.9	1927.4	4544.1	5173.7
77.5°	130.4	133.1	135.1	144.3	147.0	151.0	164.9	221.1	846.2	1632.8	1647.3
80°	95.3	98.7	104.6	113.2	115.2	117.9	125.8	156.9	383.4	745.5	809.8
82.5°	70.2	74.8	67.5	78.8	78.8	75.5	88.7	105.3	176.1	738.3	883.3
85°	38.4	39.1	35.1	40.4	43.0	42.4	47.0	51.6	85.4	492.6	507.8
87.5°	9.3	9.9	10.6	12.6	15.2	15.2	16.6	14.6	27.8	159.6	91.4
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)