

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: P1209077

Luminaire Tested: UPW-SA2-090-740-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209077
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-SA2-090-740-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11981 lumens
Efficiency: N/A
Efficacy: 139.3 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): 86
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

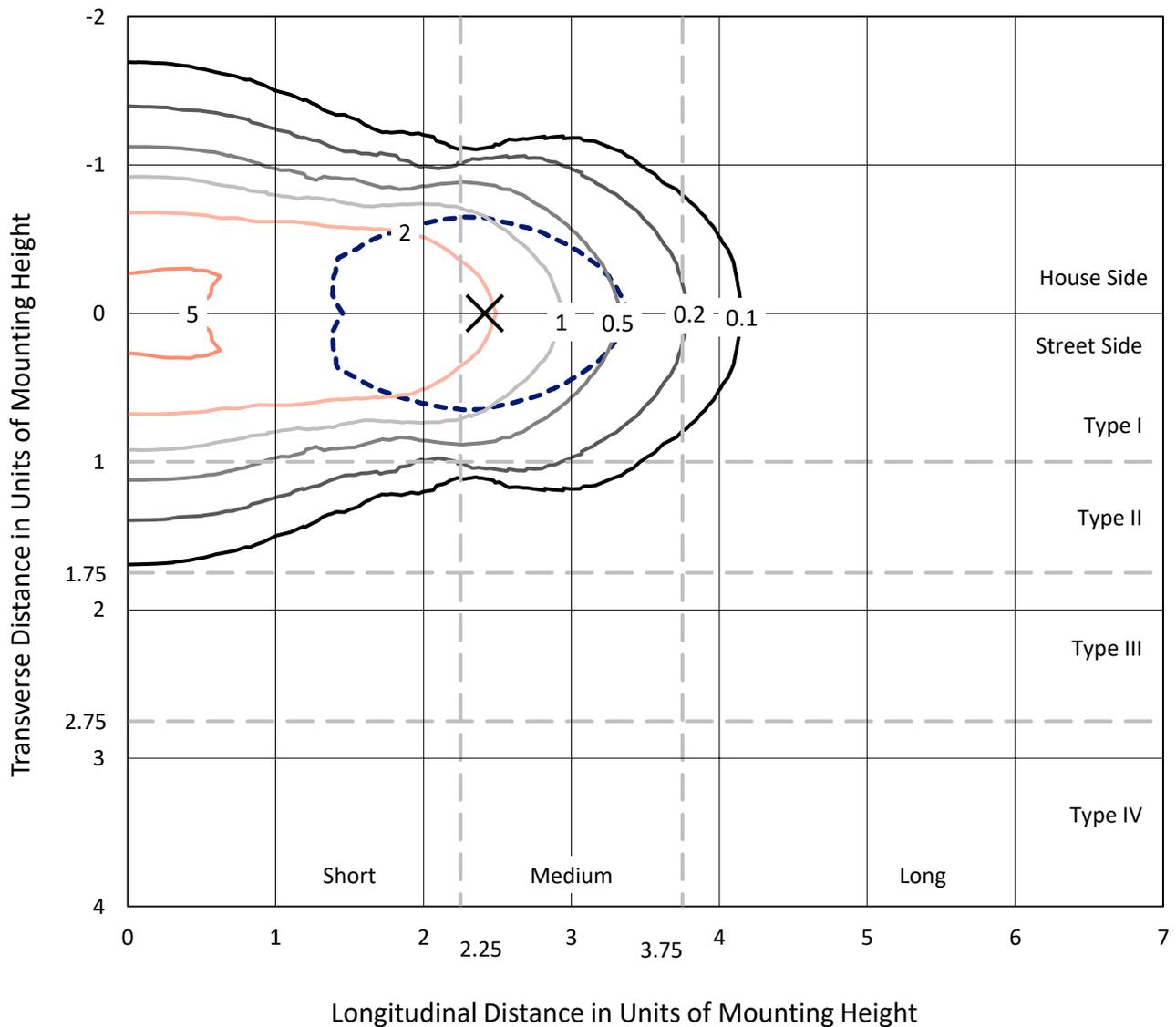


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

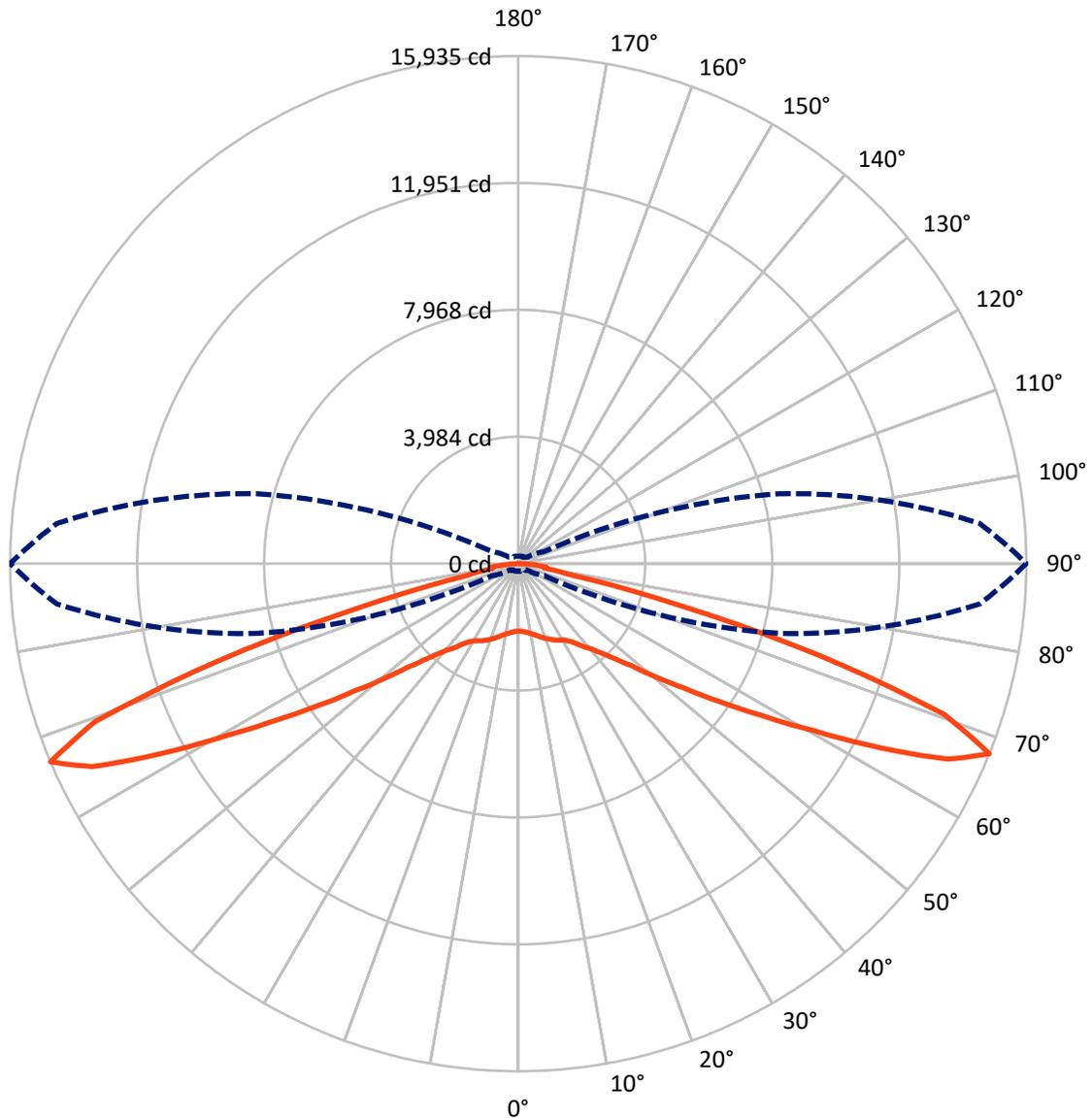


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type I - Short - N/A

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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	5990.5	0.0	5990.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5990.5	0.0	5990.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11981.0	0.0	11981.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	1.8
10°-20°	676.6	5.6
20°-30°	1132.4	9.5
30°-40°	1534.1	12.8
40°-50°	1943.2	16.2
50°-60°	2427.6	20.3
60°-70°	2853.5	23.8
70°-80°	1091.6	9.1
80°-90°	110.6	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°	11981.0	100.0
0°-180°	11981.0	100.0



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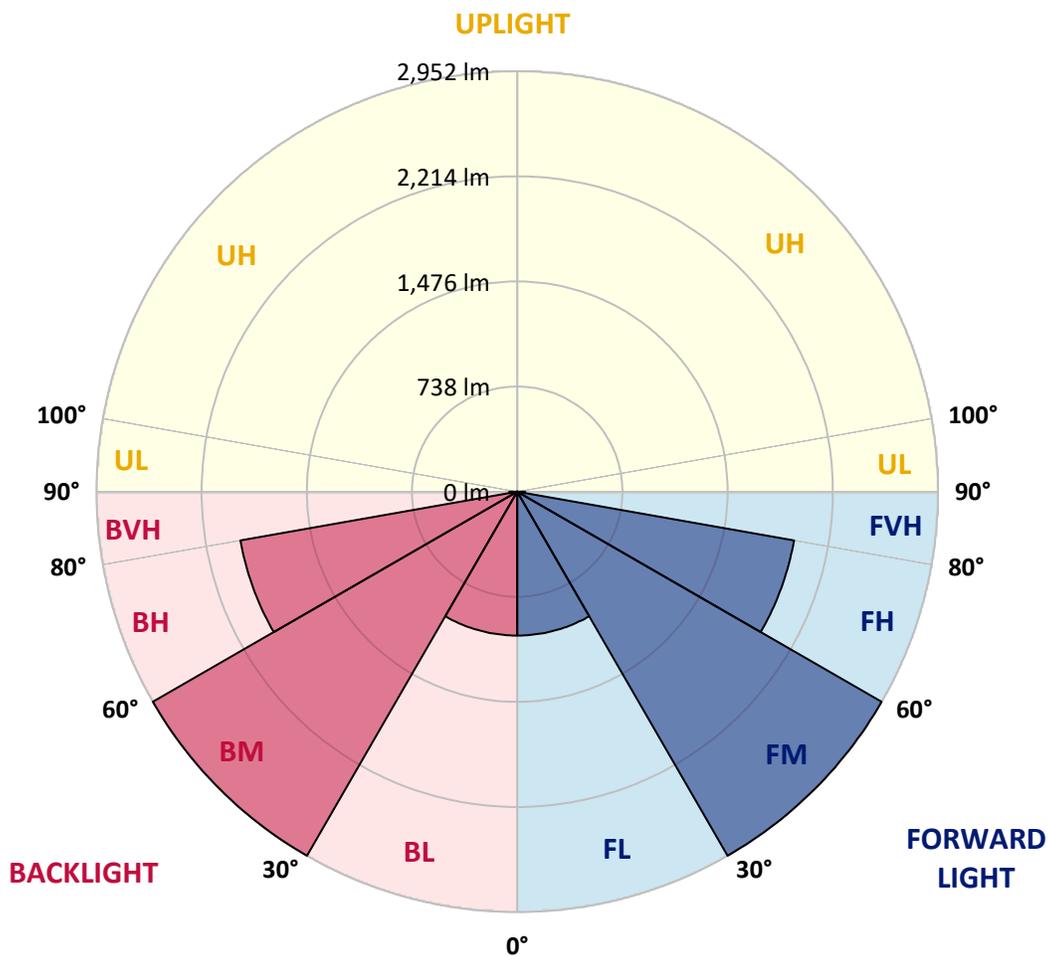
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1010.2	8.4			
FM	(30°-60°)	2952.4	24.6			
FH	(60°-80°)	1972.5	16.5			G2/5000
FVH	(80°-90°)	55.3	0.5			G1/100
BL	(0°-30°)	1010.2	8.4	B3/2500		
BM	(30°-60°)	2952.4	24.6	B3/5000		
BH	(60°-80°)	1972.5	16.5	B3/2500		G3/2500
BVH	(80°-90°)	55.3	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°	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0	2121.0
2.5°	2148.2	2146.9	2147.5	2146.9	2148.9	2147.5	2139.6	2133.0	2127.6	2128.3	2126.3
5°	2194.0	2194.7	2195.3	2192.0	2196.6	2194.0	2181.4	2170.8	2160.2	2156.2	2154.8
7.5°	2231.8	2235.1	2237.1	2240.4	2248.4	2248.4	2241.8	2226.5	2203.3	2190.0	2189.3
10°	2269.6	2272.3	2278.2	2288.9	2302.1	2314.7	2312.1	2291.5	2261.7	2239.1	2233.8
12.5°	2282.9	2286.2	2306.1	2336.6	2366.5	2391.0	2391.0	2374.4	2336.0	2301.5	2291.5
15°	2236.4	2242.4	2278.2	2343.3	2421.5	2475.3	2487.2	2464.0	2422.9	2369.8	2357.9
17.5°	2144.2	2158.8	2211.2	2307.4	2437.5	2548.9	2583.4	2572.1	2519.1	2451.4	2437.5
20°	2045.4	2061.3	2117.0	2244.4	2424.2	2592.1	2692.2	2694.9	2629.2	2531.0	2510.4
22.5°	1936.6	1948.5	2020.2	2169.4	2384.4	2602.0	2785.8	2831.6	2742.7	2610.6	2581.4
25°	1814.5	1827.8	1902.7	2064.0	2309.4	2590.7	2871.4	2972.2	2861.4	2695.5	2658.4
27.5°	1697.7	1703.0	1783.3	1947.2	2210.6	2561.5	2934.4	3101.6	2992.8	2765.9	2718.8
30°	1585.6	1598.2	1669.2	1831.1	2097.1	2504.5	2988.8	3248.9	3134.1	2839.5	2779.1
32.5°	1466.9	1482.1	1559.1	1722.9	1983.7	2418.9	3022.0	3410.1	3331.1	2958.9	2894.6
35°	1352.7	1362.7	1440.3	1599.5	1872.9	2319.4	3027.9	3591.9	3585.2	3140.1	3054.5
37.5°	1236.0	1250.6	1328.9	1481.5	1755.5	2213.9	2998.1	3784.9	3891.7	3391.5	3299.3
40°	1123.9	1136.5	1213.4	1367.3	1622.1	2085.2	2927.1	3961.4	4249.3	3650.2	3519.5
42.5°	1001.8	1005.1	1089.4	1245.9	1491.4	1935.9	2824.9	4118.6	4648.0	3997.2	3834.7
45°	863.1	871.8	950.0	1104.0	1341.5	1768.7	2686.3	4248.7	5153.6	4478.2	4256.6
47.5°	724.5	731.8	803.4	955.4	1177.6	1577.0	2472.6	4362.8	5672.4	5089.2	4798.6
50°	589.1	593.1	651.5	786.2	993.2	1375.3	2207.9	4399.3	6258.9	5954.4	5583.5
52.5°	465.7	471.7	516.2	621.6	796.1	1137.1	1922.0	4309.0	6943.5	6980.0	6457.2
55°	377.5	379.5	412.7	490.3	622.3	887.7	1577.0	4057.6	7680.0	8294.3	7627.5
57.5°	325.1	326.4	345.0	388.1	479.0	669.4	1223.4	3581.9	8341.4	9834.1	8977.0
60°	295.2	295.9	306.5	331.7	379.5	513.5	876.4	2910.5	8994.2	11547.8	10654.1
62.5°	276.7	276.7	284.0	297.9	321.1	394.1	634.9	2099.8	9441.4	13286.7	12721.4
65°	258.7	258.7	264.0	274.0	286.6	322.4	469.1	1369.3	9430.1	14553.2	14800.6
67.5°	238.2	238.2	242.2	252.1	259.4	277.3	362.2	897.0	8470.8	14525.3	15935.1
70°	213.6	213.6	218.9	227.6	233.5	244.8	285.9	613.7	6223.0	12402.3	14171.7
72.5°	189.1	189.7	193.1	201.7	206.3	213.0	237.5	429.9	3817.4	8444.9	9909.1
75°	161.9	163.2	166.5	175.1	179.1	181.8	200.4	306.5	1931.3	4553.2	5184.1
77.5°	130.7	133.4	135.3	144.6	147.3	151.3	165.2	221.6	847.9	1636.0	1650.6
80°	95.5	98.9	104.8	113.4	115.4	118.1	126.1	157.2	384.1	747.0	811.4
82.5°	70.3	75.0	67.7	78.9	78.9	75.6	88.9	105.5	176.5	739.7	885.0
85°	38.5	39.1	35.2	40.5	43.1	42.5	47.1	51.7	85.6	493.6	508.9
87.5°	9.3	10.0	10.6	12.6	15.3	15.3	16.6	14.6	27.9	159.9	91.6
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)