

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: P1461324

Luminaire Tested: USSL-150-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461324
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-8540-U-T4W-HSS
Description: USSL DISCRETE LED 1 SQUARE 150W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12842.9 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

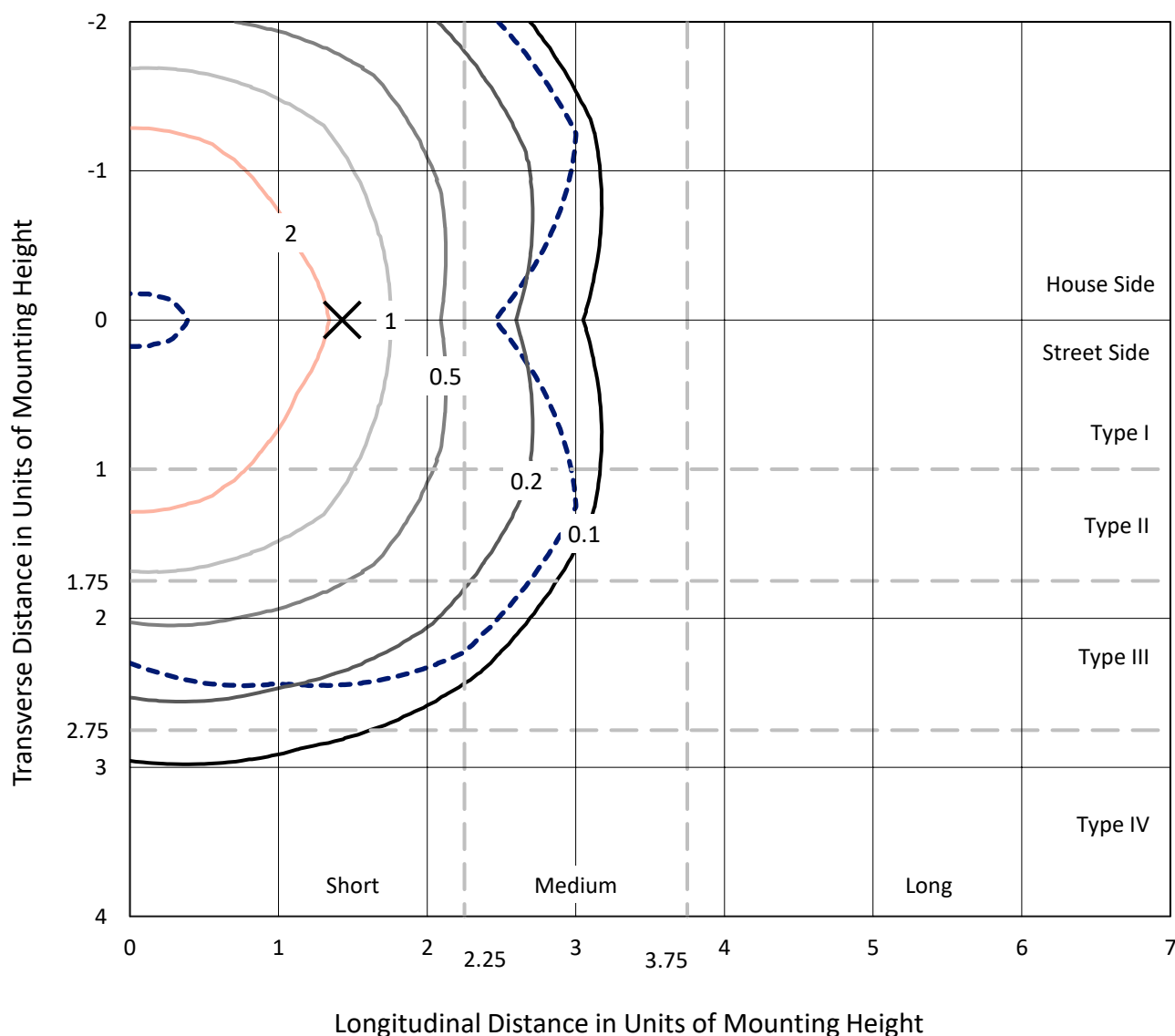
Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

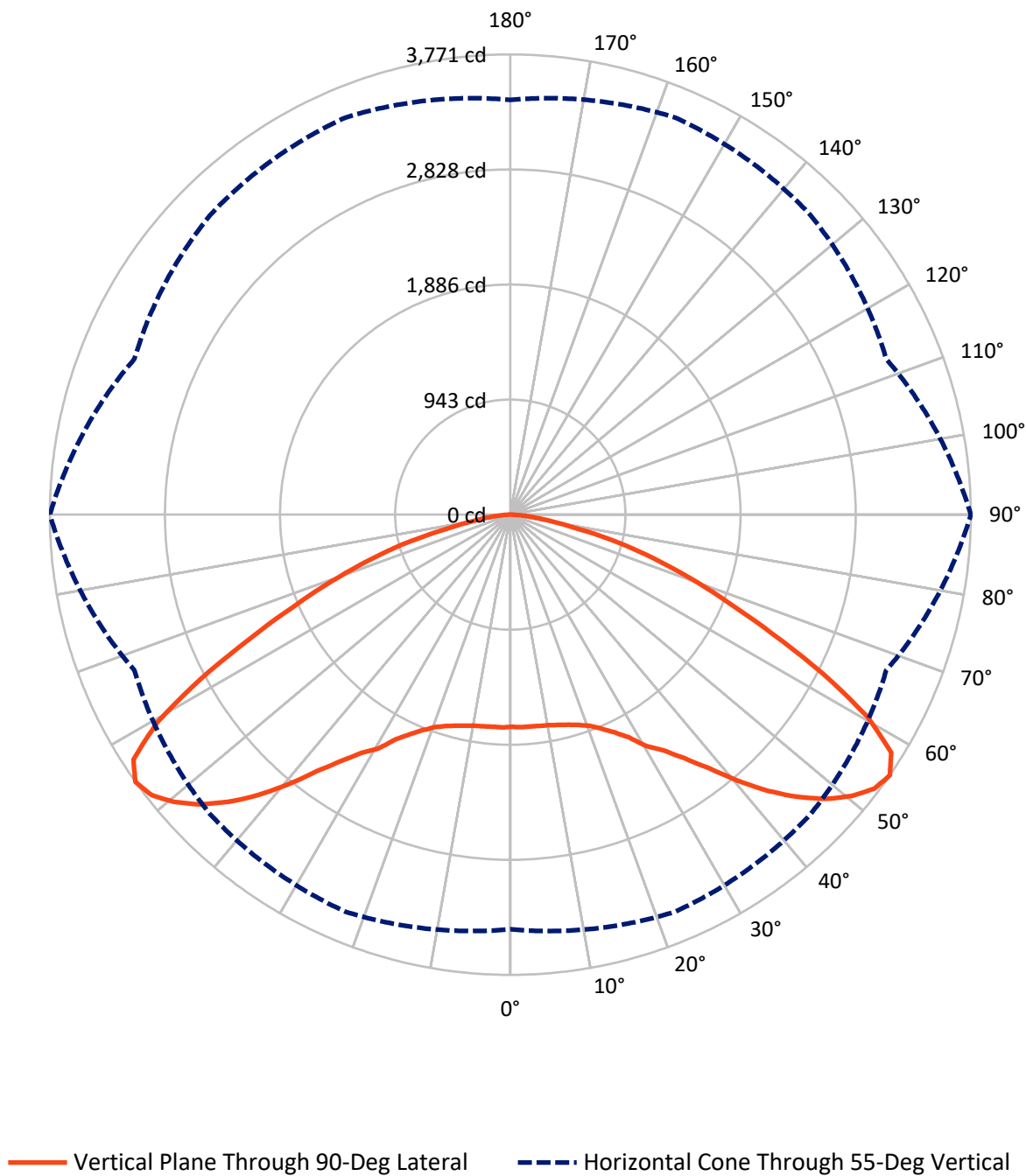


Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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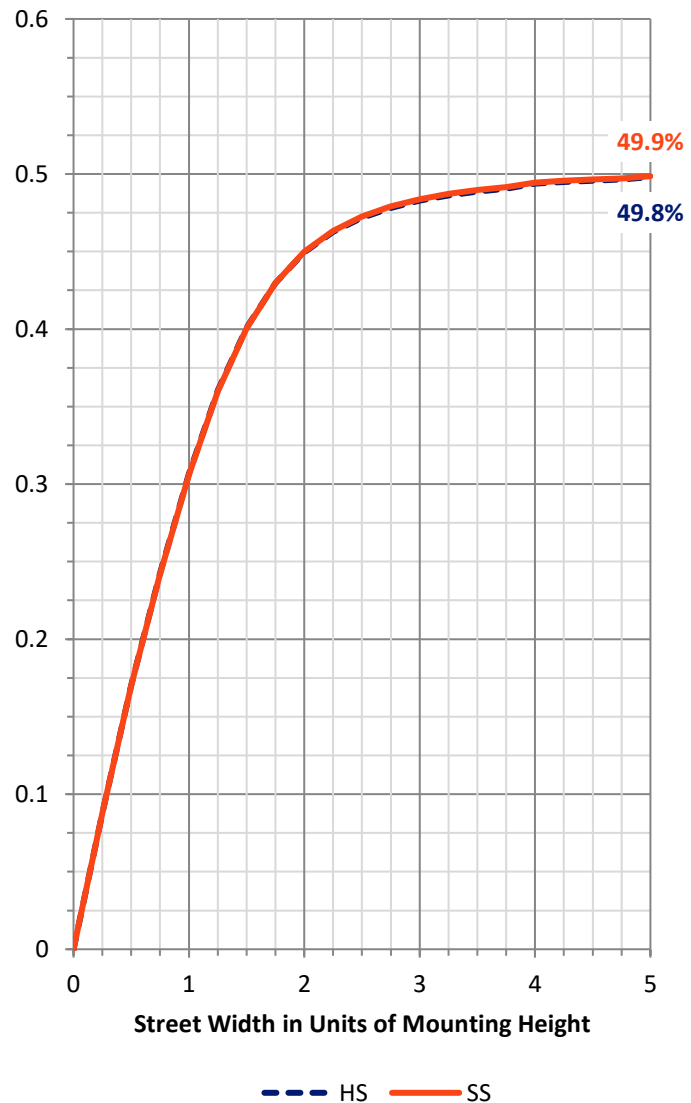
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6421.4	0.0	6421.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6421.4	0.0	6421.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12842.9	0.0	12842.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.3
10°-20°	540.1	4.2
20°-30°	969.2	7.5
30°-40°	1527.3	11.9
40°-50°	2374.1	18.5
50°-60°	3082.5	24.0
60°-70°	2780.5	21.7
70°-80°	1227.6	9.6
80°-90°	171.6	1.3
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°	12842.9	100.0
0°-180°	12842.9	100.0

Coefficient of Utilization



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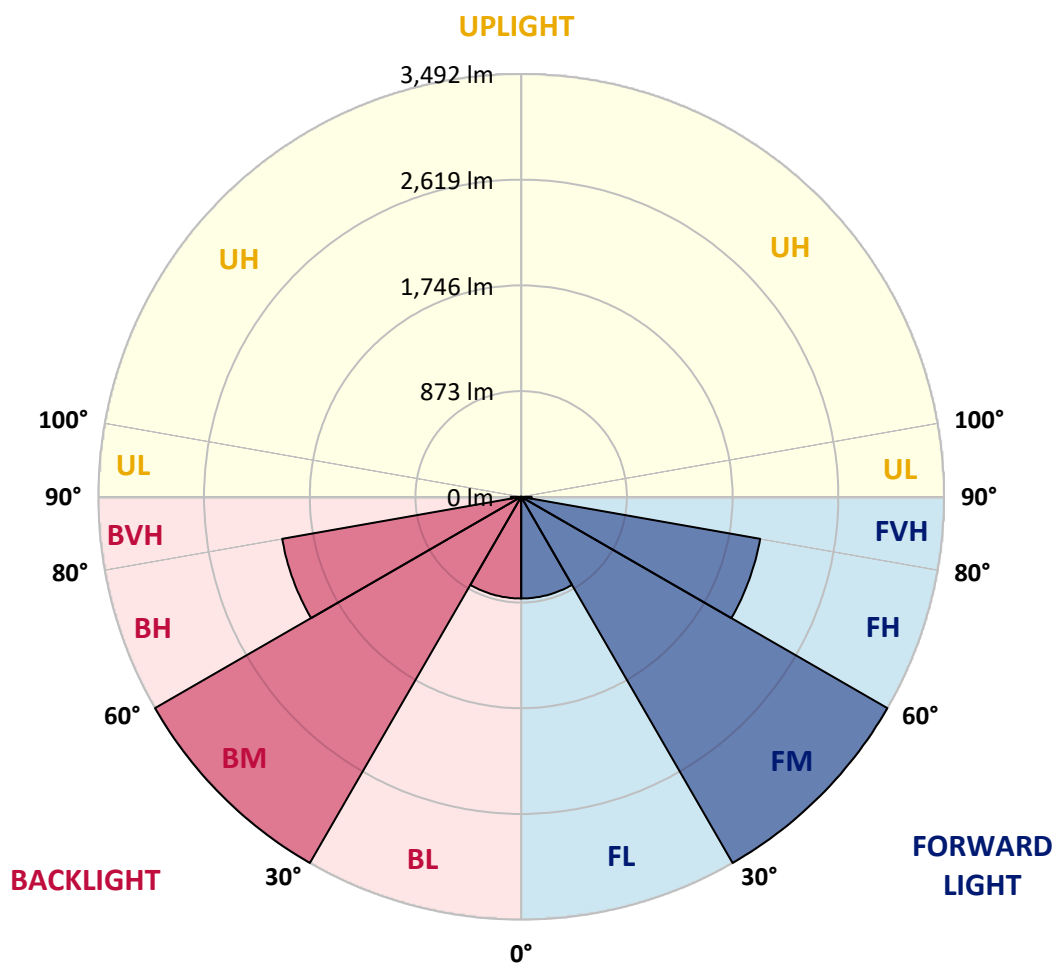
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	839.6	6.5			
FM	(30°-60°)	3492.0	27.2			
FH	(60°-80°)	2004.1	15.6			G2/5000
FVH	(80°-90°)	85.8	0.7			G1/100
BL	(0°-30°)	839.6	6.5	B2/1000		
BM	(30°-60°)	3492.0	27.2	B3/5000		
BH	(60°-80°)	2004.1	15.6	B3/2500		G2/5000
BVH	(80°-90°)	85.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1737.8	1737.8	1737.8	1737.8	1737.8
2.5°	1744.9	1742.2	1749.3	1743.1	1744.0
5°	1777.4	1778.3	1764.2	1751.9	1743.1
7.5°	1824.0	1813.5	1784.4	1758.1	1747.5
10°	1867.1	1851.3	1820.5	1779.2	1753.7
12.5°	1926.9	1903.2	1860.1	1806.4	1767.7
15°	1985.8	1960.3	1905.8	1831.0	1786.2
17.5°	2022.8	2012.2	1956.8	1864.5	1811.7
20°	2054.4	2052.7	2021.9	1907.6	1846.9
22.5°	2072.9	2079.9	2079.1	1960.3	1903.2
25°	2093.1	2109.8	2141.5	2028.9	1975.3
27.5°	2150.3	2147.7	2191.6	2108.1	2065.0
30°	2227.7	2206.6	2266.4	2212.7	2202.2
32.5°	2297.2	2299.8	2359.6	2316.5	2301.6
35°	2356.1	2352.6	2451.9	2374.6	2448.4
37.5°	2569.8	2516.1	2474.8	2481.8	2631.4
40°	2852.1	2720.2	2578.6	2609.4	2865.3
42.5°	3120.3	2951.5	2714.0	2734.3	3094.0
45°	3483.6	3229.4	2868.8	2870.6	3299.8
47.5°	3407.9	3450.1	3032.4	3000.7	3480.9
50°	3473.9	3567.1	3196.0	3130.0	3623.4
52.5°	3455.4	3507.3	3338.4	3244.3	3730.7
55°	3397.4	3522.3	3473.9	3332.3	3771.1
57.5°	3247.0	3439.6	3609.3	3402.6	3678.8
60°	2892.6	3261.9	3677.9	3403.5	3354.3
62.5°	2490.6	2993.7	3678.8	3327.0	2875.8
65°	2103.7	2618.2	3489.7	3151.1	2361.4
67.5°	1726.4	2192.5	3083.4	2867.9	1924.3
70°	1408.9	1734.3	2455.5	2479.2	1566.3
72.5°	1030.7	1316.6	1861.8	1965.6	1226.0
75°	711.5	934.0	1333.3	1420.3	919.0
77.5°	408.1	619.1	934.0	905.8	580.4
80°	234.8	360.6	579.6	477.5	350.9
82.5°	144.2	227.8	309.6	268.2	217.2
85°	80.0	112.6	153.0	147.8	111.7
87.5°	32.5	51.0	50.1	44.0	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)