

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: P1461323

Luminaire Tested: USSL-110-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461323
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-8540-U-T4W-HSS
Description: USSL DISCRETE LED 1 SQUARE 110W 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: 10179.2 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

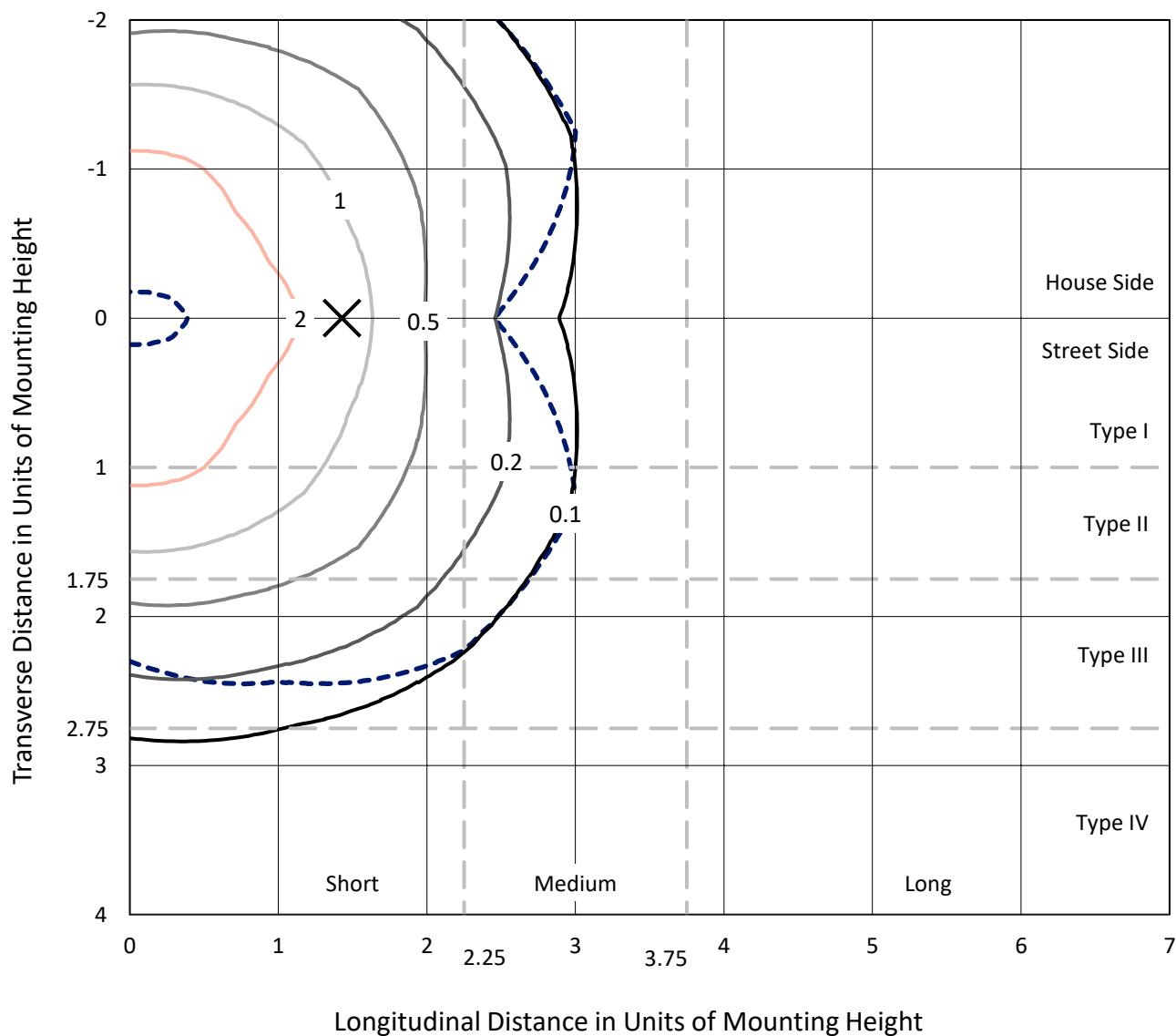
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



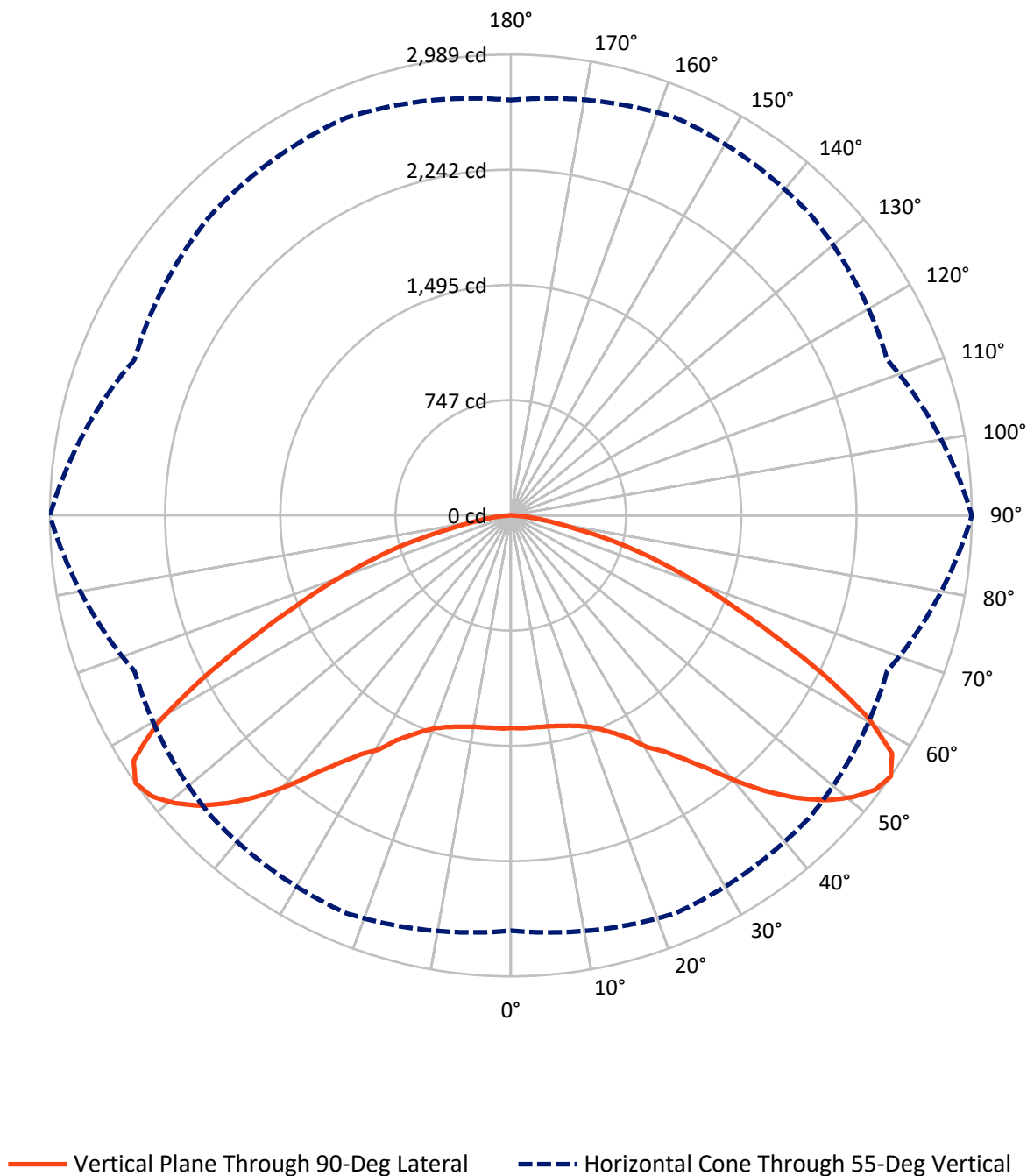
Based on 20 foot mounting height. Maximum calculated value = 3.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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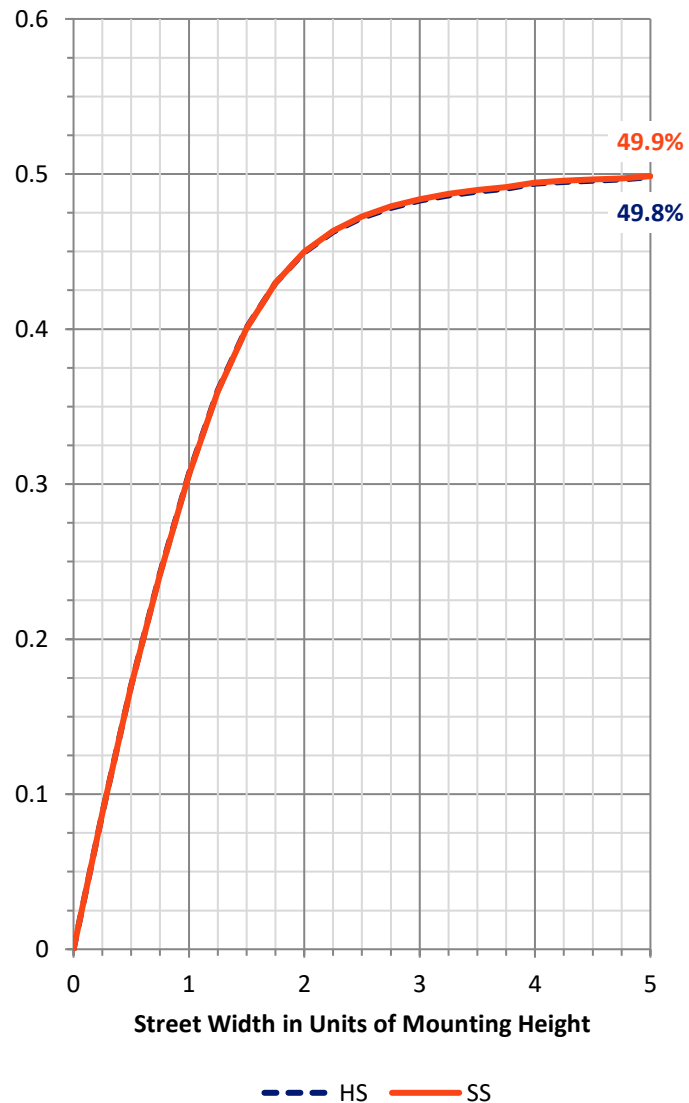
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5089.6	0.0	5089.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5089.6	0.0	5089.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10179.2	0.0	10179.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	1.3
10°-20°	428.1	4.2
20°-30°	768.2	7.5
30°-40°	1210.5	11.9
40°-50°	1881.7	18.5
50°-60°	2443.1	24.0
60°-70°	2203.8	21.7
70°-80°	973.0	9.6
80°-90°	136.0	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°	10179.2	100.0
0°-180°	10179.2	100.0

Coefficient of Utilization



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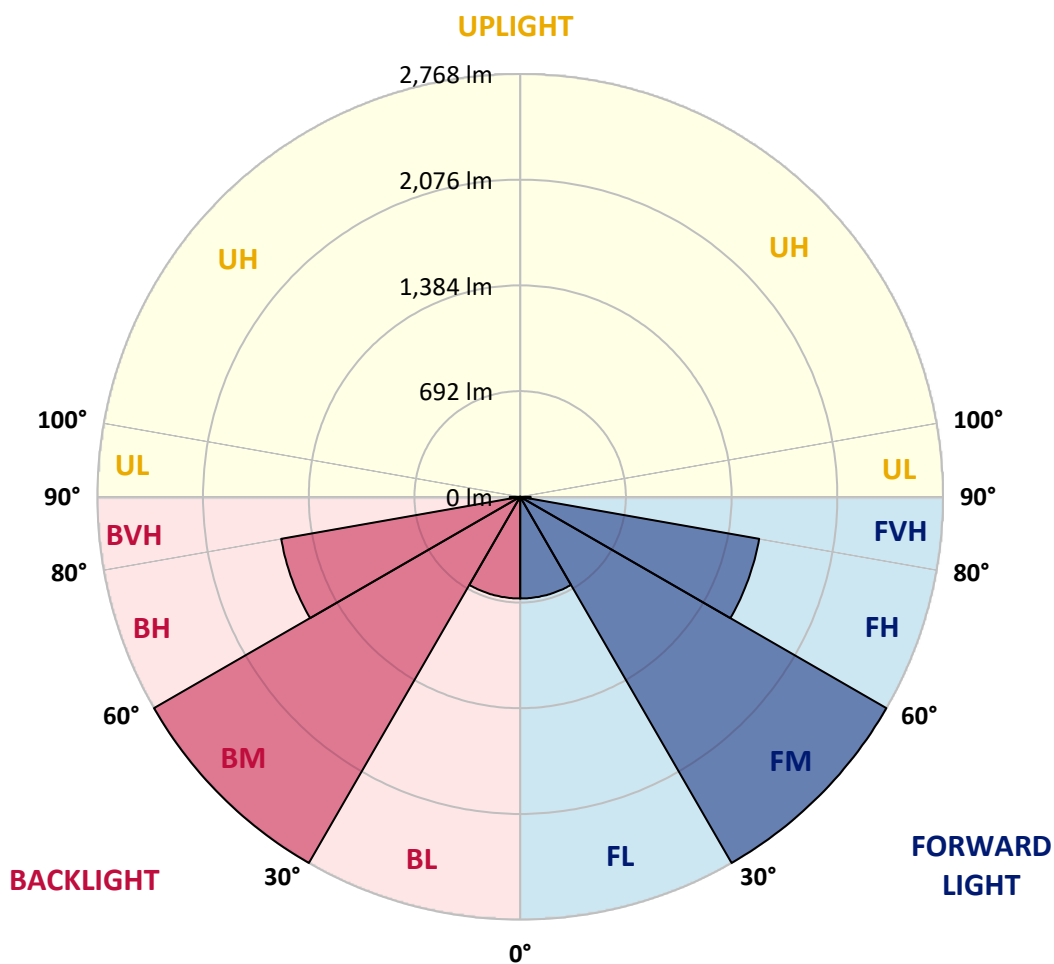
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	665.5	6.5			
FM	(30°-60°)	2767.7	27.2			
FH	(60°-80°)	1588.4	15.6			G1/1800
FVH	(80°-90°)	68.0	0.7			G1/100
BL	(0°-30°)	665.5	6.5	B2/1000		
BM	(30°-60°)	2767.7	27.2	B3/5000		
BH	(60°-80°)	1588.4	15.6	B3/2500		G1/1800
BVH	(80°-90°)	68.0	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1383.0	1380.9	1386.4	1381.6	1382.3
5°	1408.8	1409.4	1398.3	1388.5	1381.6
7.5°	1445.7	1437.3	1414.3	1393.4	1385.1
10°	1479.9	1467.3	1442.9	1410.1	1389.9
12.5°	1527.3	1508.4	1474.3	1431.8	1401.1
15°	1574.0	1553.7	1510.5	1451.3	1415.7
17.5°	1603.2	1594.9	1551.0	1477.8	1435.9
20°	1628.3	1626.9	1602.5	1511.9	1463.8
22.5°	1643.0	1648.5	1647.8	1553.7	1508.4
25°	1659.0	1672.2	1697.3	1608.1	1565.6
27.5°	1704.3	1702.2	1737.1	1670.8	1636.7
30°	1765.6	1748.9	1796.3	1753.8	1745.4
32.5°	1820.7	1822.8	1870.2	1836.0	1824.2
35°	1867.4	1864.6	1943.4	1882.1	1940.6
37.5°	2036.8	1994.3	1961.5	1967.1	2085.6
40°	2260.6	2156.0	2043.8	2068.2	2271.0
42.5°	2473.2	2339.3	2151.1	2167.2	2452.2
45°	2761.0	2559.6	2273.8	2275.2	2615.4
47.5°	2701.1	2734.6	2403.5	2378.4	2759.0
50°	2753.4	2827.3	2533.1	2480.8	2871.9
52.5°	2738.7	2779.9	2646.0	2571.4	2956.9
55°	2692.7	2791.7	2753.4	2641.1	2989.0
57.5°	2573.5	2726.2	2860.7	2696.9	2915.8
60°	2292.6	2585.4	2915.1	2697.6	2658.6
62.5°	1974.1	2372.8	2915.8	2637.0	2279.4
65°	1667.4	2075.1	2765.9	2497.6	1871.6
67.5°	1368.3	1737.8	2443.9	2273.1	1525.2
70°	1116.7	1374.6	1946.2	1965.0	1241.5
72.5°	817.0	1043.5	1475.7	1557.9	971.7
75°	563.9	740.3	1056.7	1125.7	728.4
77.5°	323.4	490.7	740.3	718.0	460.1
80°	186.1	285.8	459.4	378.5	278.1
82.5°	114.3	180.5	245.4	212.6	172.2
85°	63.4	89.2	121.3	117.1	88.5
87.5°	25.8	40.4	39.7	34.9	20.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)