

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: P1461322

Luminaire Tested: USSL-70-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461322
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T4W-HSS
Description: USSL DISCRETE LED 1 SQUARE 70W 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: 7071.4 lumens
Efficiency: N/A
Efficacy: 96.9 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): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

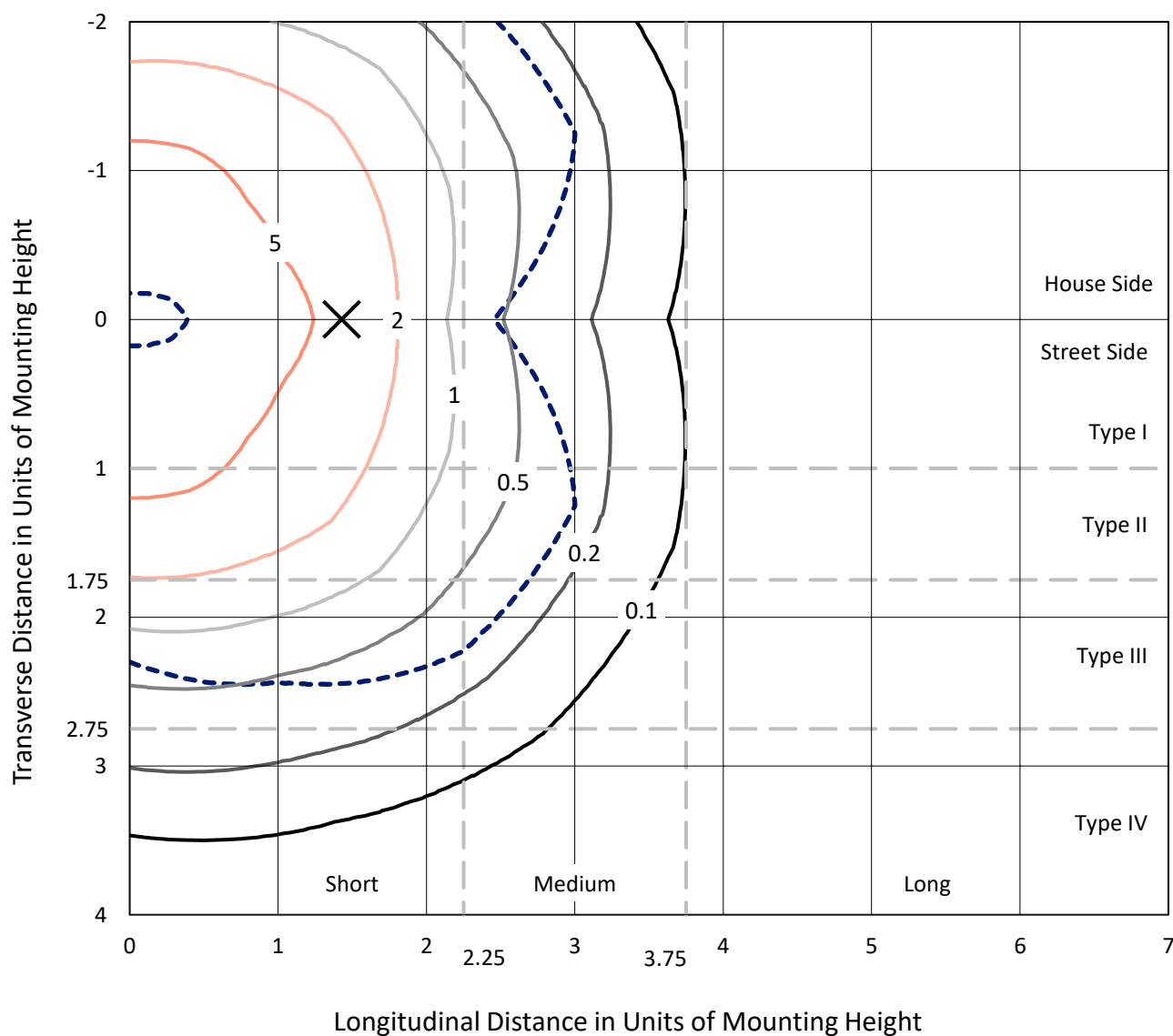
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

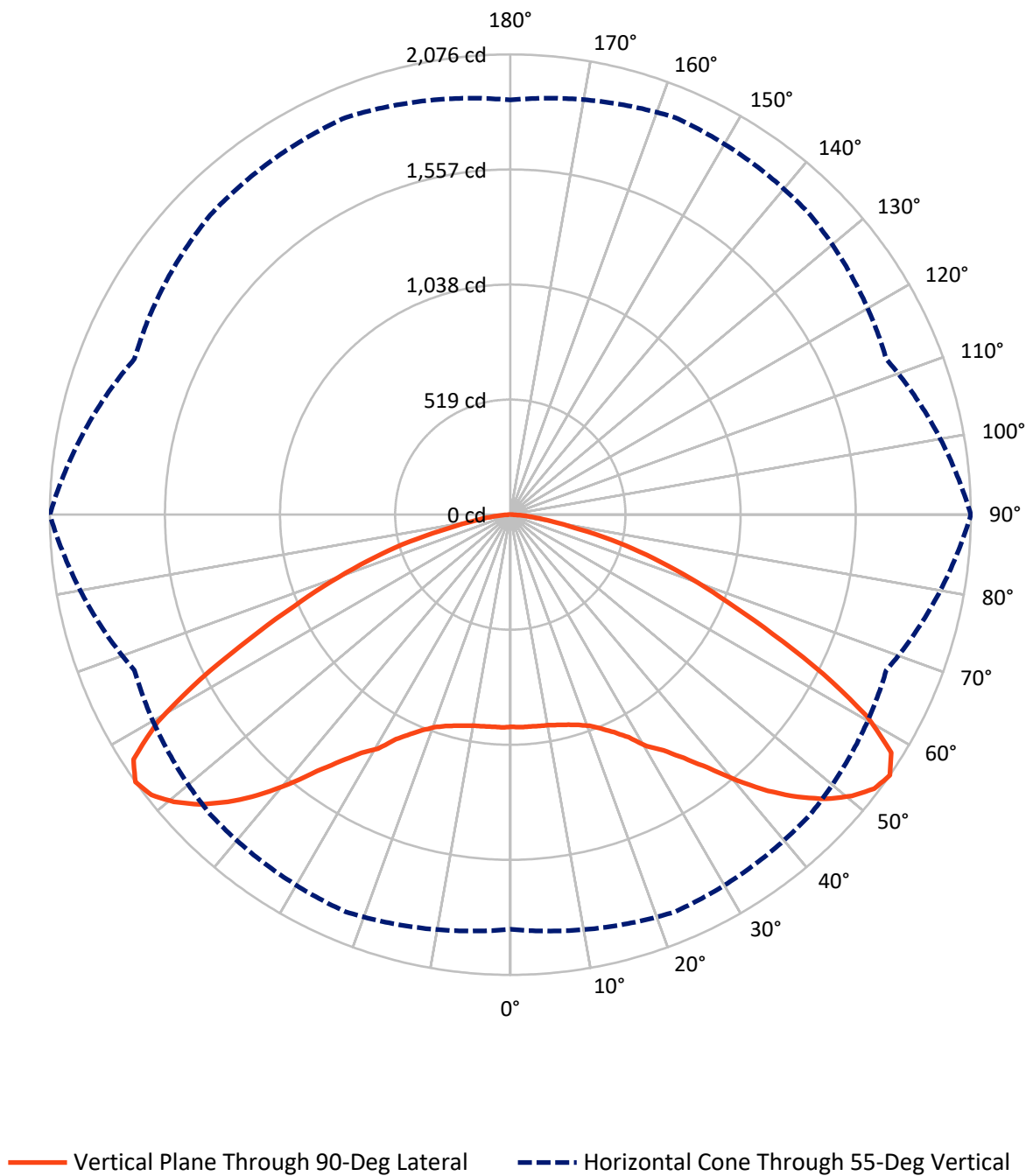


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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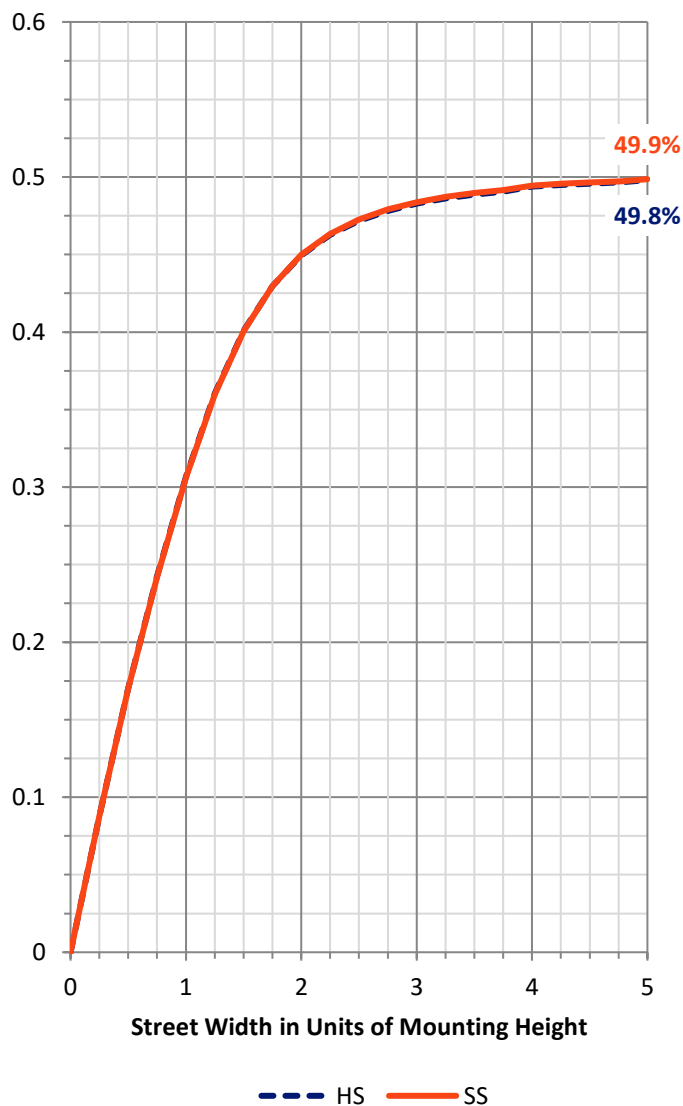
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3535.7	0.0	3535.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3535.7	0.0	3535.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7071.4	0.0	7071.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.3
10°-20°	297.4	4.2
20°-30°	533.7	7.5
30°-40°	841.0	11.9
40°-50°	1307.2	18.5
50°-60°	1697.2	24.0
60°-70°	1531.0	21.7
70°-80°	675.9	9.6
80°-90°	94.5	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°	7071.4	100.0
0°-180°	7071.4	100.0

Coefficient of Utilization



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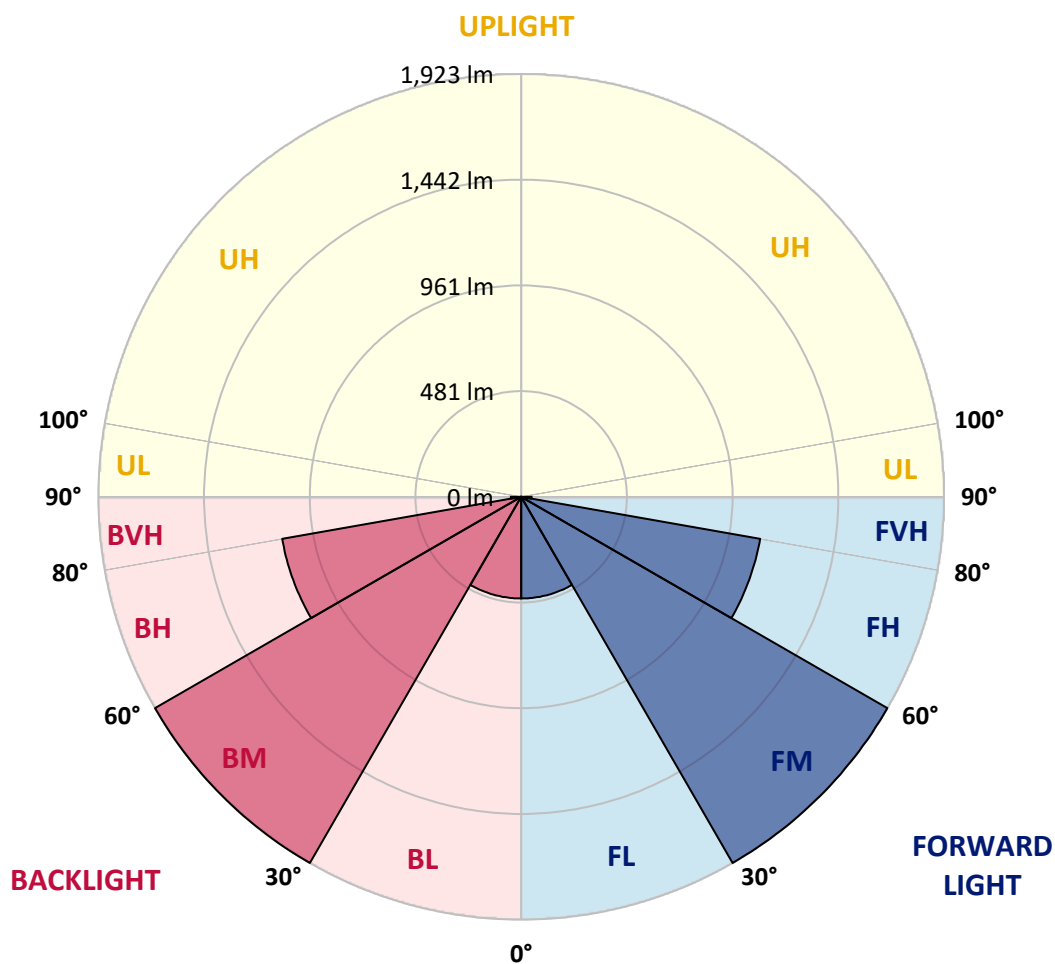
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	462.3	6.5			
FM	(30°-60°)	1922.7	27.2			
FH	(60°-80°)	1103.5	15.6			G1/1800
FVH	(80°-90°)	47.3	0.7			G1/100
BL	(0°-30°)	462.3	6.5	B1/500		
BM	(30°-60°)	1922.7	27.2	B2/2500		
BH	(60°-80°)	1103.5	15.6	B3/2500		G1/1800
BVH	(80°-90°)	47.3	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°	956.9	956.9	956.9	956.9	956.9
2.5°	960.7	959.3	963.2	959.8	960.3
5°	978.7	979.1	971.4	964.6	959.8
7.5°	1004.3	998.5	982.5	968.0	962.2
10°	1028.0	1019.3	1002.4	979.6	965.6
12.5°	1061.0	1047.9	1024.2	994.6	973.3
15°	1093.4	1079.4	1049.4	1008.2	983.5
17.5°	1113.8	1107.9	1077.4	1026.6	997.5
20°	1131.2	1130.2	1113.3	1050.3	1016.9
22.5°	1141.4	1145.2	1144.7	1079.4	1047.9
25°	1152.5	1161.7	1179.1	1117.1	1087.6
27.5°	1184.0	1182.5	1206.7	1160.7	1137.0
30°	1226.6	1215.0	1247.9	1218.4	1212.5
32.5°	1264.8	1266.3	1299.2	1275.5	1267.3
35°	1297.3	1295.3	1350.1	1307.5	1348.1
37.5°	1415.0	1385.4	1362.7	1366.5	1448.8
40°	1570.4	1497.8	1419.8	1436.7	1577.7
42.5°	1718.1	1625.1	1494.4	1505.5	1703.6
45°	1918.1	1778.1	1579.6	1580.6	1816.9
47.5°	1876.4	1899.7	1669.7	1652.2	1916.6
50°	1912.8	1964.1	1759.7	1723.4	1995.1
52.5°	1902.6	1931.2	1838.2	1786.4	2054.2
55°	1870.6	1939.4	1912.8	1834.8	2076.4
57.5°	1787.8	1893.9	1987.3	1873.5	2025.6
60°	1592.7	1796.1	2025.1	1874.0	1846.9
62.5°	1371.4	1648.4	2025.6	1831.9	1583.5
65°	1158.3	1441.6	1921.5	1735.0	1300.2
67.5°	950.6	1207.2	1697.7	1579.1	1059.5
70°	775.8	954.9	1352.0	1365.1	862.4
72.5°	567.5	724.9	1025.1	1082.3	675.0
75°	391.8	514.3	734.1	782.0	506.0
77.5°	224.7	340.9	514.3	498.8	319.6
80°	129.3	198.5	319.1	262.9	193.2
82.5°	79.4	125.4	170.5	147.7	119.6
85°	44.1	62.0	84.3	81.4	61.5
87.5°	17.9	28.1	27.6	24.2	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)