

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: P1461321

Luminaire Tested: USSL-50-8540-U-T4W-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461321
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-8540-U-T4W-HSS
Description: USSL DISCRETE LED 1 SQUARE 50W 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: 5128.1 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 3.35%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

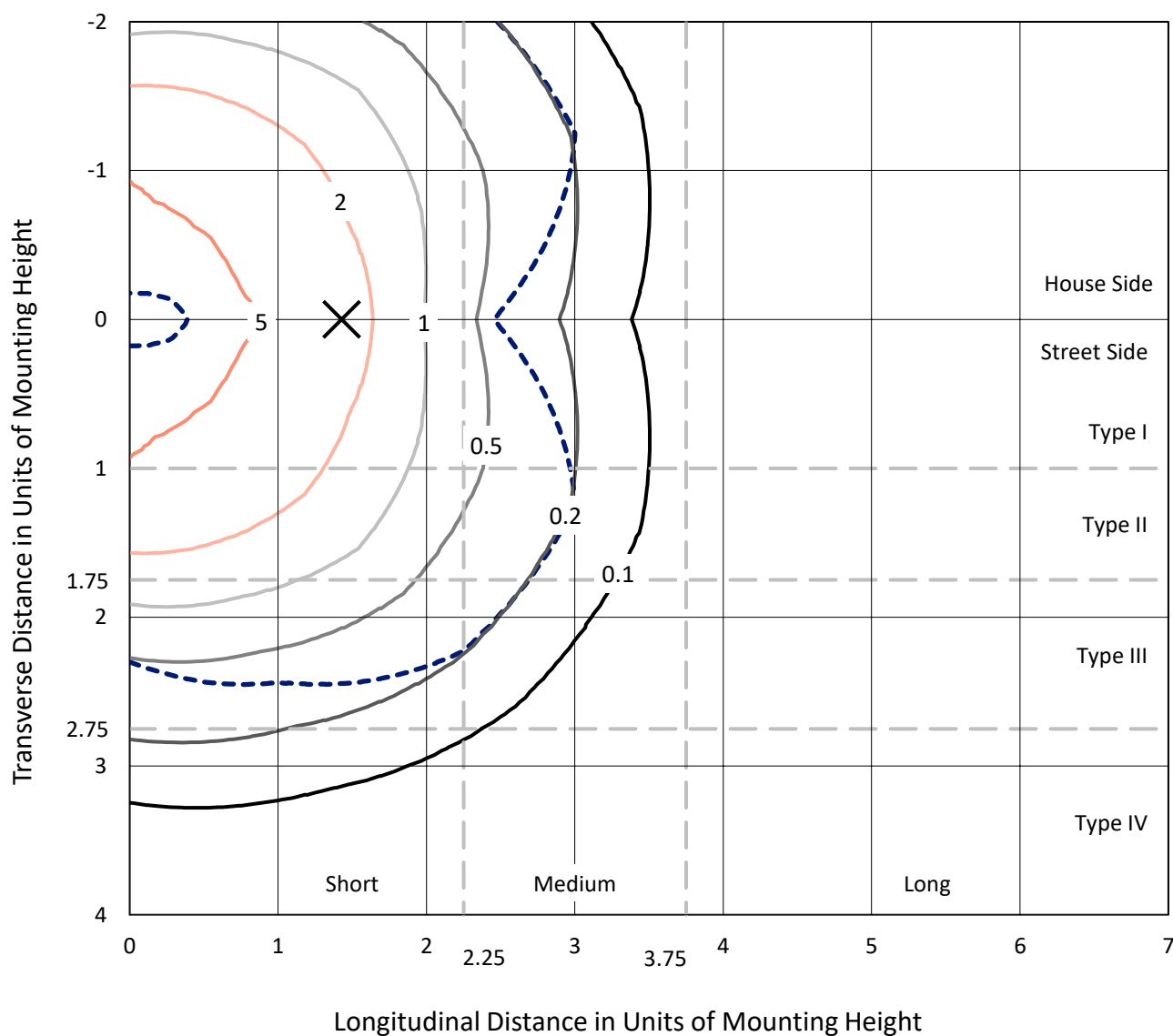
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

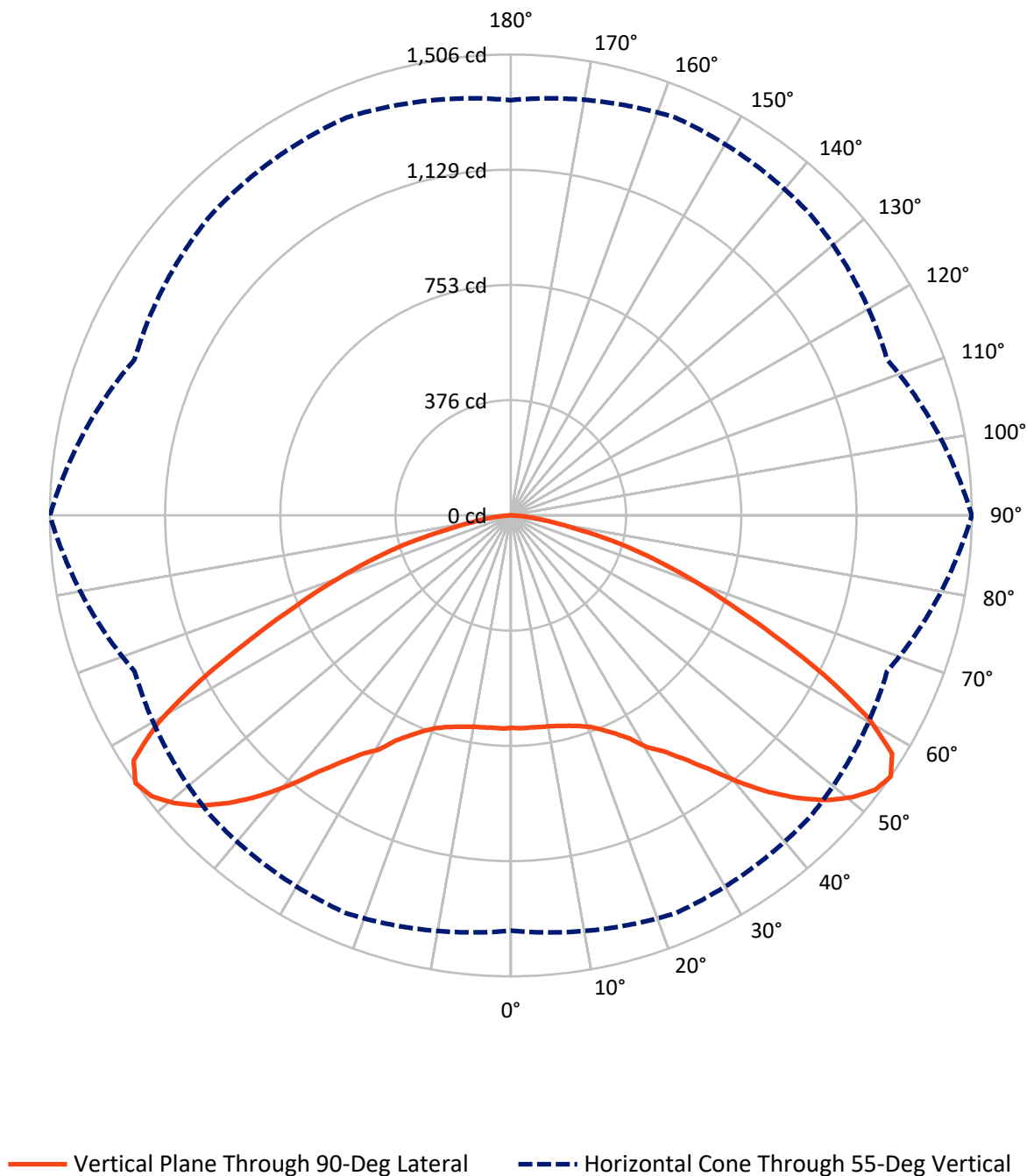


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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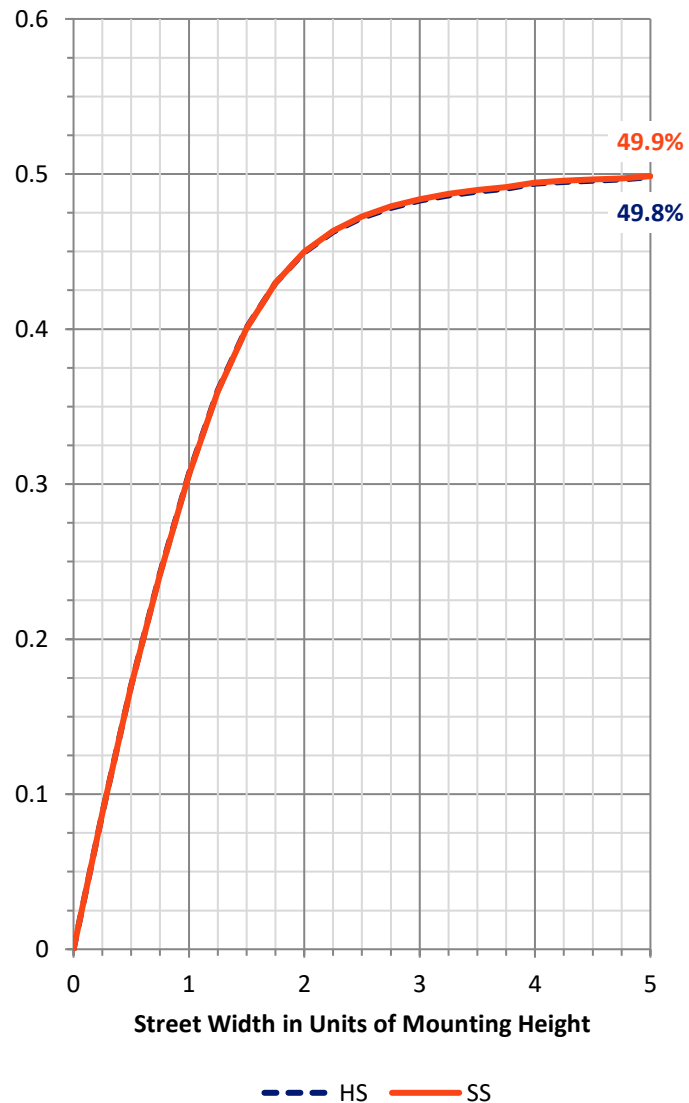
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2564.0	0.0	2564.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2564.0	0.0	2564.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5128.1	0.0	5128.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.3
10°-20°	215.6	4.2
20°-30°	387.0	7.5
30°-40°	609.9	11.9
40°-50°	948.0	18.5
50°-60°	1230.8	24.0
60°-70°	1110.3	21.7
70°-80°	490.2	9.6
80°-90°	68.5	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°	5128.1	100.0
0°-180°	5128.1	100.0

Coefficient of Utilization



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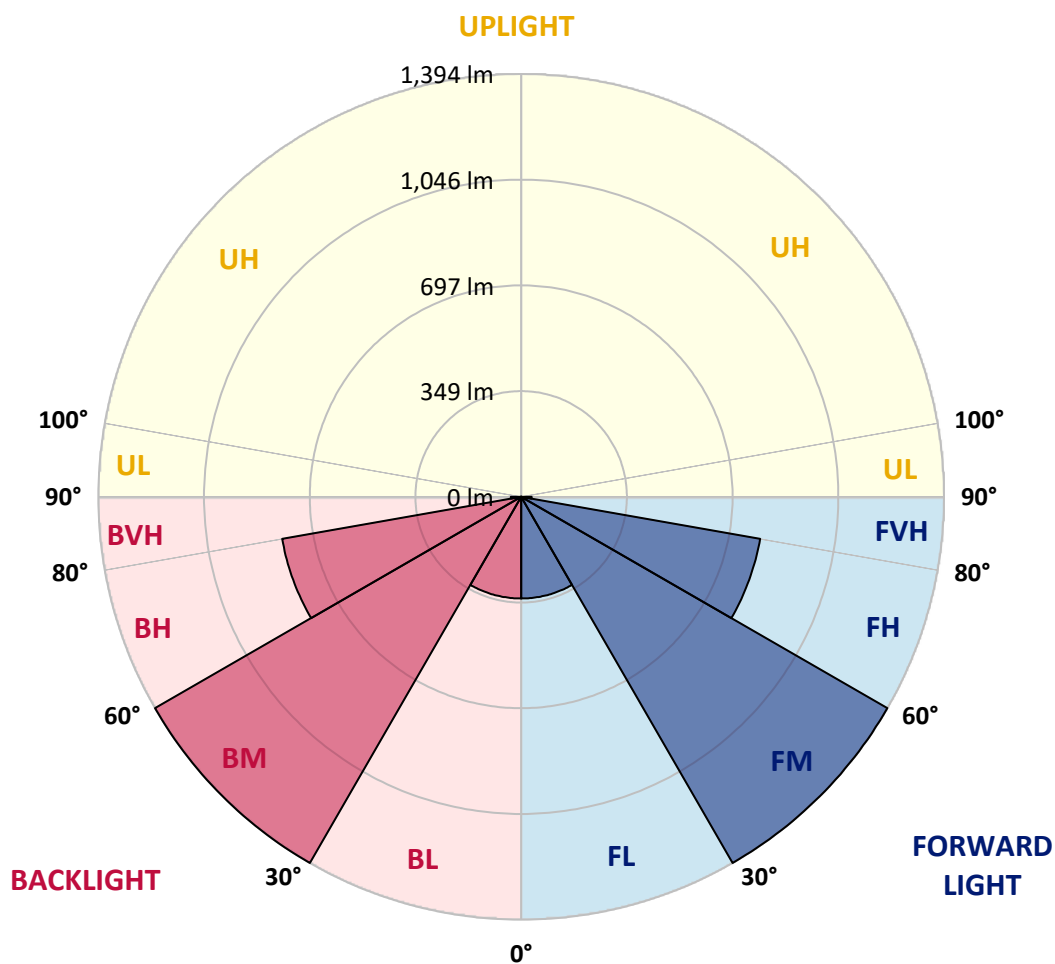
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.2	6.5			
FM	(30°-60°)	1394.3	27.2			
FH	(60°-80°)	800.2	15.6			G1/1800
FVH	(80°-90°)	34.3	0.7			G1/100
BL	(0°-30°)	335.2	6.5	B1/500		
BM	(30°-60°)	1394.3	27.2	B2/2500		
BH	(60°-80°)	800.2	15.6	B2/1000		G1/1800
BVH	(80°-90°)	34.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.9	693.9	693.9	693.9	693.9
2.5°	696.7	695.7	698.5	696.0	696.4
5°	709.7	710.1	704.4	699.5	696.0
7.5°	728.3	724.1	712.5	702.0	697.8
10°	745.5	739.2	726.9	710.4	700.2
12.5°	769.4	759.9	742.7	721.3	705.8
15°	792.9	782.7	761.0	731.1	713.2
17.5°	807.7	803.5	781.3	744.5	723.4
20°	820.3	819.6	807.3	761.7	737.4
22.5°	827.7	830.5	830.2	782.7	759.9
25°	835.8	842.4	855.1	810.1	788.7
27.5°	858.6	857.5	875.1	841.7	824.5
30°	889.5	881.1	905.0	883.5	879.3
32.5°	917.2	918.3	942.2	925.0	919.0
35°	940.8	939.4	979.0	948.1	977.6
37.5°	1026.1	1004.7	988.2	991.0	1050.7
40°	1138.8	1086.2	1029.6	1041.9	1144.1
42.5°	1245.9	1178.5	1083.7	1091.8	1235.4
45°	1391.0	1289.5	1145.5	1146.2	1317.6
47.5°	1360.8	1377.6	1210.8	1198.2	1389.9
50°	1387.1	1424.3	1276.1	1249.8	1446.8
52.5°	1379.7	1400.4	1333.0	1295.4	1489.6
55°	1356.5	1406.4	1387.1	1330.6	1505.8
57.5°	1296.5	1373.4	1441.2	1358.7	1468.9
60°	1155.0	1302.5	1468.6	1359.0	1339.3
62.5°	994.5	1195.4	1468.9	1328.5	1148.3
65°	840.0	1045.4	1393.4	1258.2	942.9
67.5°	689.3	875.5	1231.2	1145.1	768.3
70°	562.6	692.5	980.5	989.9	625.4
72.5°	411.6	525.7	743.4	784.9	489.5
75°	284.1	372.9	532.4	567.1	367.0
77.5°	162.9	247.2	372.9	361.7	231.8
80°	93.8	144.0	231.4	190.7	140.1
82.5°	57.6	91.0	123.6	107.1	86.7
85°	32.0	44.9	61.1	59.0	44.6
87.5°	13.0	20.4	20.0	17.6	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)