

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: P1461269

Luminaire Tested: USSL-50-8540-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461269
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-8540-U-5WQ
Description: USSL DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7733.5 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

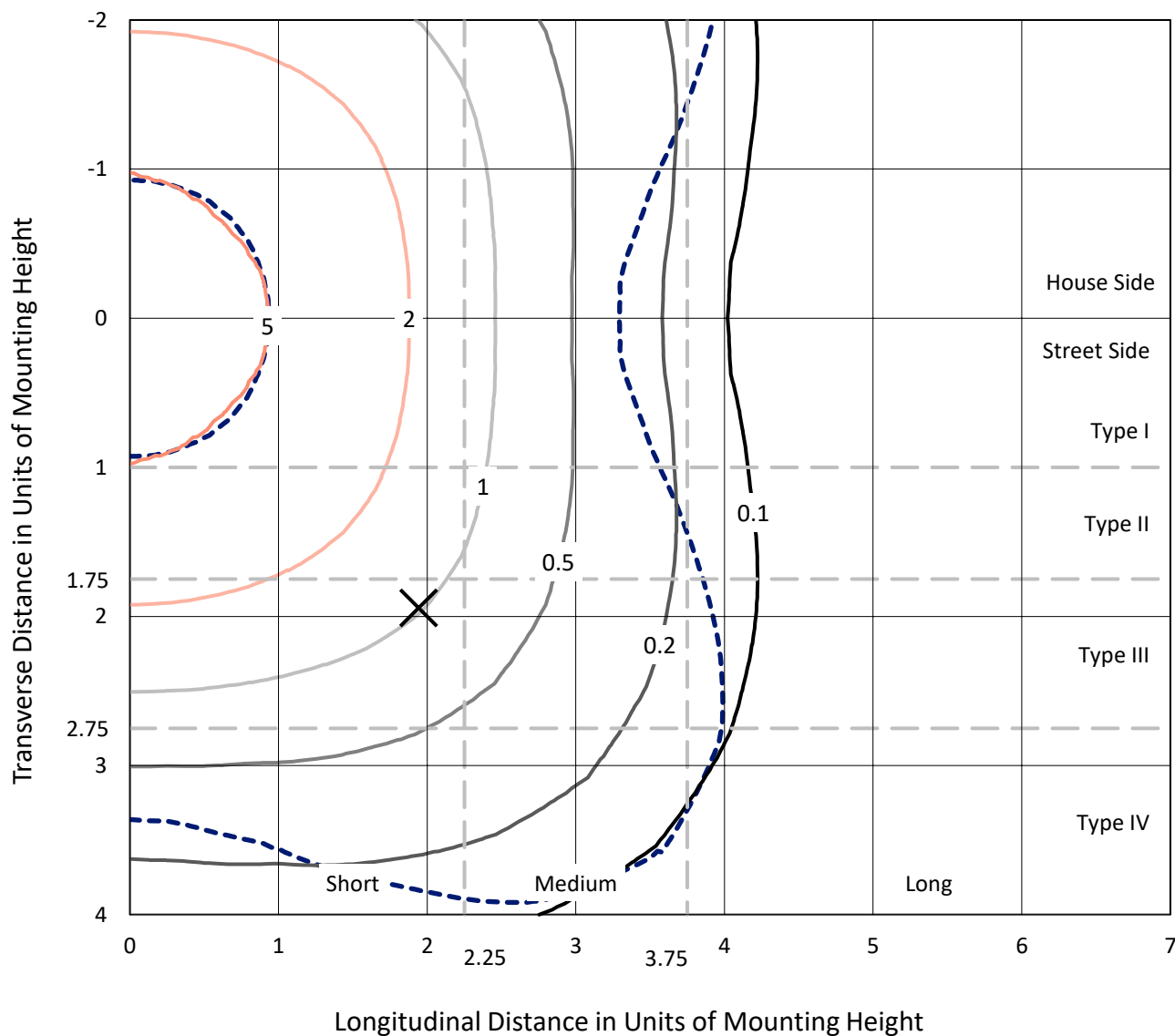
REPORT NUMBER: P1461269

CATALOG NUMBER: USSL-50-8540-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

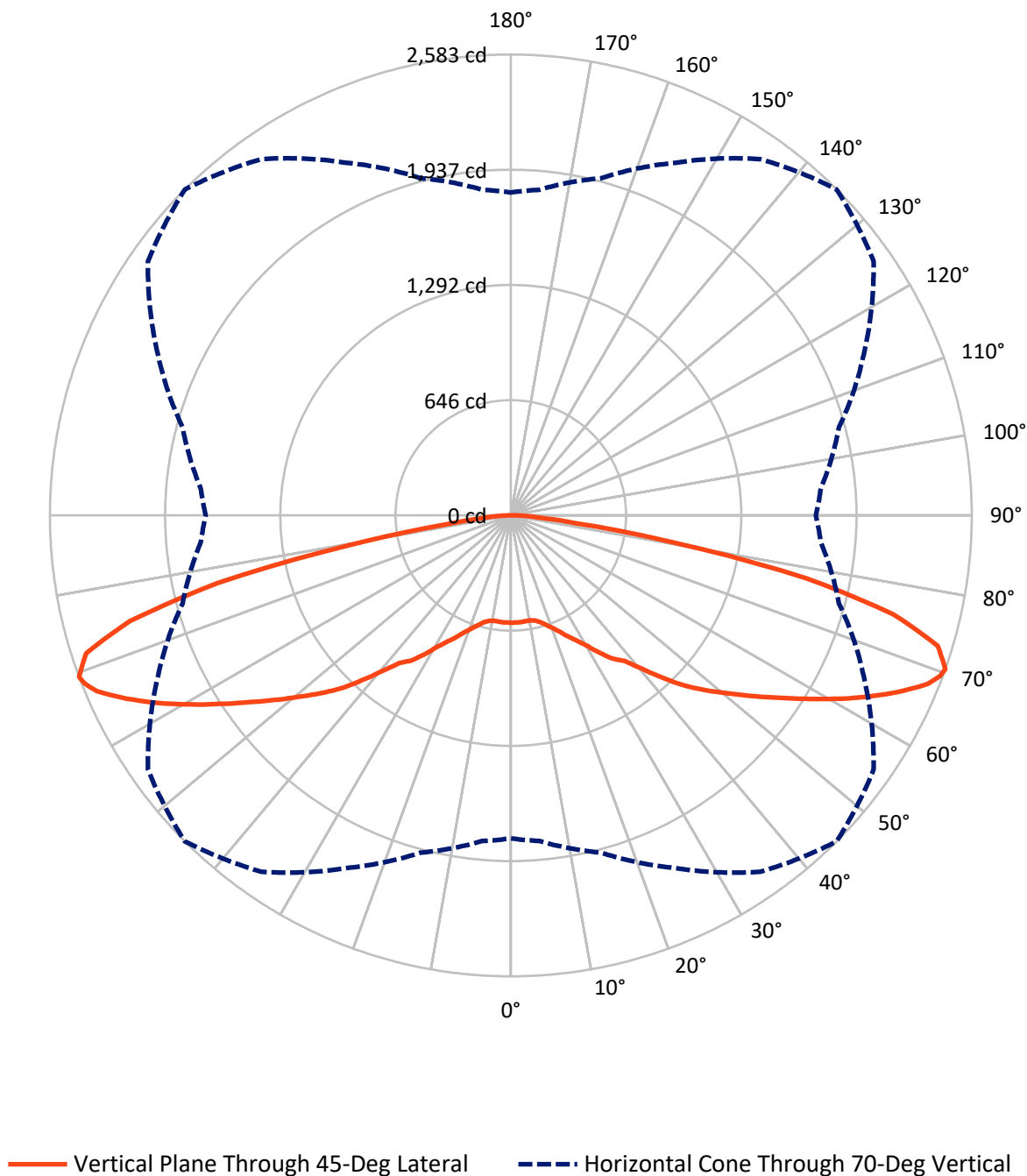


Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type V - Short - N/A

REPORT NUMBER: P1461269

CATALOG NUMBER: USSL-50-8540-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P1461269

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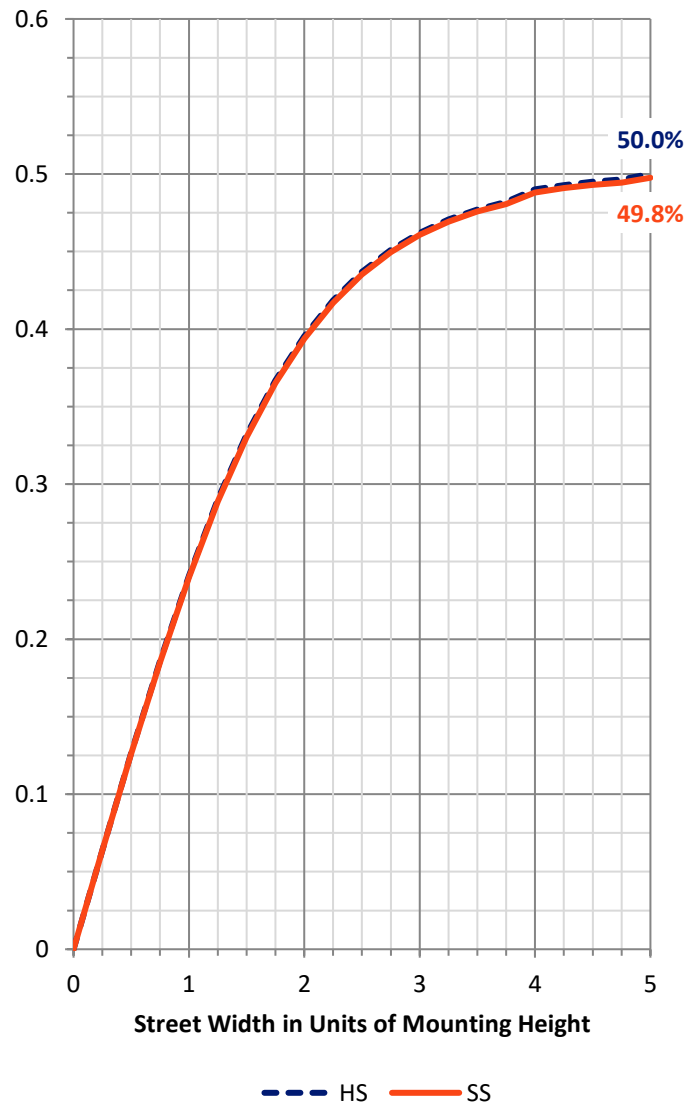
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3866.8	0.0	3866.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3866.8	0.0	3866.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7733.5	0.0	7733.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	0.7
10°-20°	178.0	2.3
20°-30°	346.7	4.5
30°-40°	615.0	8.0
40°-50°	1061.1	13.7
50°-60°	1602.2	20.7
60°-70°	2133.3	27.6
70°-80°	1547.4	20.0
80°-90°	192.8	2.5
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°	7733.5	100.0
0°-180°	7733.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1461269

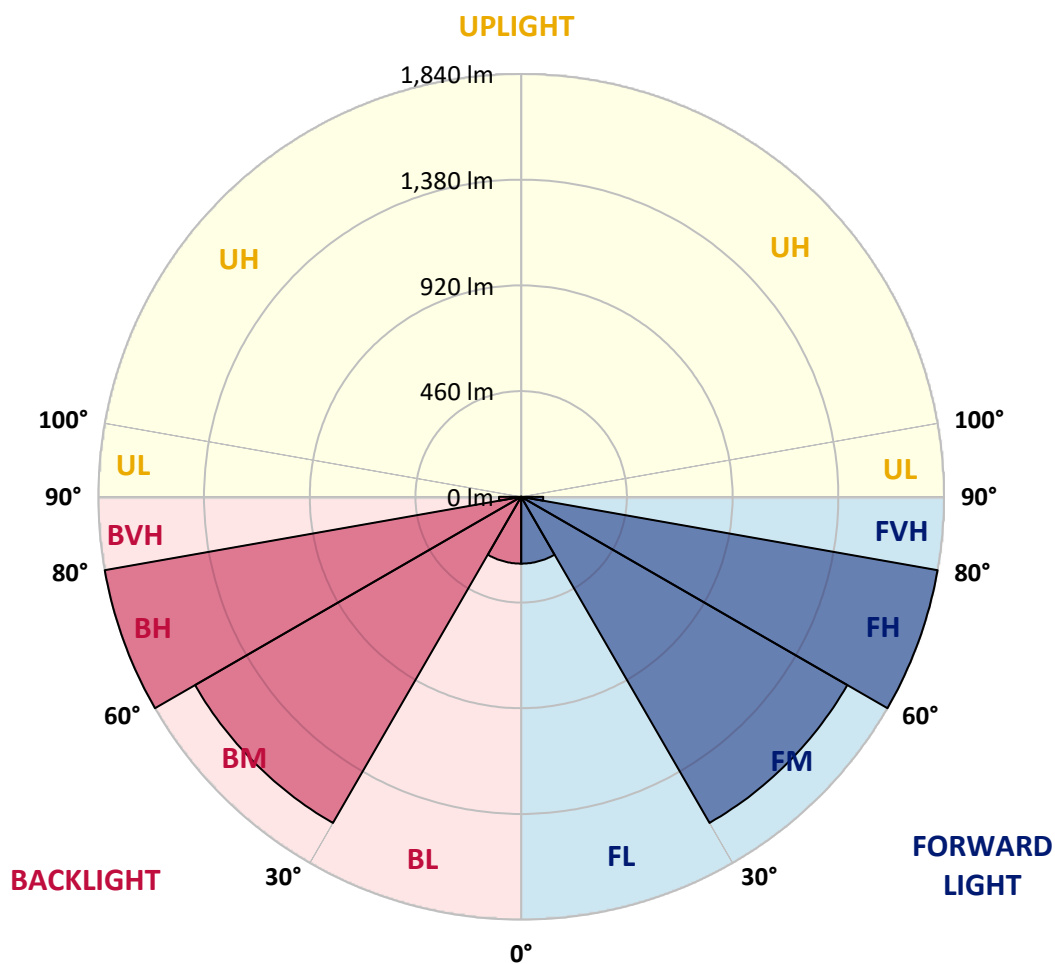
CATALOG NUMBER: USSL-50-8540-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.9	3.8			
FM	(30°-60°)	1639.1	21.2			
FH	(60°-80°)	1840.4	23.8			G2/5000
FVH	(80°-90°)	96.4	1.2			G1/100
BL	(0°-30°)	290.9	3.8	B1/500		
BM	(30°-60°)	1639.1	21.2	B2/2500		
BH	(60°-80°)	1840.4	23.8	B3/2500		G2/5000
BVH	(80°-90°)	96.4	1.2			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2	601.2
2.5°	601.6	601.6	601.6	601.6	601.2	600.9	600.5	600.5	600.5	600.2	600.2
5°	603.0	602.6	602.6	602.3	602.3	600.9	599.5	598.4	597.4	596.3	596.7
7.5°	597.4	598.1	597.7	598.4	599.1	598.4	595.6	592.5	589.7	587.2	587.2
10°	598.1	597.7	597.4	597.7	598.4	598.1	595.3	591.1	587.2	584.4	584.0
12.5°	607.9	607.9	606.2	604.7	605.5	604.7	602.6	597.7	594.6	591.8	592.1
15°	627.2	626.5	624.1	621.9	620.9	620.5	619.1	615.6	611.8	608.6	609.7
17.5°	650.7	650.7	645.8	644.8	643.7	646.5	643.4	638.4	635.3	633.5	633.5
20°	679.2	679.9	675.6	673.5	673.9	674.2	672.8	667.6	663.7	662.0	662.7
22.5°	711.1	709.7	708.6	707.6	709.7	710.0	707.2	700.9	698.5	695.0	696.0
25°	739.2	739.2	739.5	745.1	748.7	753.9	749.7	739.9	730.8	727.2	726.9
27.5°	769.7	769.0	773.2	781.3	792.5	797.4	792.2	779.9	769.4	764.1	761.6
30°	819.9	819.6	820.3	830.4	842.7	850.1	844.1	833.9	824.5	819.6	821.7
32.5°	894.3	890.1	896.4	906.9	916.8	919.9	920.6	909.1	897.1	892.9	894.7
35°	936.1	935.0	942.0	954.7	972.2	986.6	975.4	965.2	959.6	953.6	952.2
37.5°	1031.2	1030.8	1036.5	1035.4	1038.2	1035.1	1040.3	1044.5	1049.8	1045.2	1046.3
40°	1146.7	1143.9	1142.8	1140.7	1133.0	1128.1	1137.9	1145.3	1151.6	1160.4	1156.1
42.5°	1267.8	1263.2	1259.7	1253.4	1245.3	1241.8	1243.2	1256.5	1262.1	1263.2	1263.5
45°	1405.7	1397.3	1382.5	1371.3	1360.1	1359.0	1358.3	1361.1	1361.5	1361.5	1367.1
47.5°	1526.8	1525.7	1504.7	1485.4	1462.9	1462.9	1455.2	1454.1	1458.7	1464.7	1461.5
50°	1629.6	1626.1	1607.5	1591.0	1579.1	1564.7	1553.5	1544.7	1551.0	1556.3	1559.1
52.5°	1712.8	1712.5	1699.8	1693.5	1688.9	1680.2	1654.2	1638.4	1639.8	1646.1	1644.4
55°	1786.2	1791.1	1791.8	1799.9	1808.3	1802.0	1777.0	1753.2	1740.9	1731.8	1731.4
57.5°	1870.1	1873.2	1883.0	1909.0	1933.2	1938.8	1913.6	1878.1	1844.1	1821.6	1813.2
60°	1957.4	1958.2	1983.8	2024.8	2069.1	2087.7	2065.2	2006.9	1945.2	1896.4	1887.6
62.5°	2036.1	2034.3	2072.9	2135.0	2209.5	2239.6	2209.8	2124.5	2017.8	1949.7	1938.1
65°	2070.1	2074.7	2125.6	2221.0	2326.3	2385.3	2346.7	2204.9	2049.8	1957.8	1943.8
67.5°	2008.3	2021.3	2102.8	2252.6	2417.6	2521.1	2453.4	2237.9	2023.1	1903.7	1885.1
69°	1919.9	1923.1	2028.7	2224.9	2442.2	2568.5	2482.9	2220.7	1969.4	1817.8	1798.1
70°	1809.7	1831.8	1956.7	2180.3	2437.9	2583.3	2482.5	2188.0	1904.1	1744.4	1709.7
72.5°	1469.2	1477.3	1654.9	1997.1	2334.8	2502.9	2363.9	2007.6	1653.8	1416.2	1407.1
75°	984.2	1023.1	1236.9	1650.3	2039.2	2214.7	2041.0	1648.2	1240.0	943.5	902.0
77.5°	510.3	532.4	722.3	1075.4	1482.6	1689.6	1521.9	1153.3	763.7	461.2	437.7
80°	251.0	262.9	333.8	495.9	768.0	931.2	852.9	606.2	357.7	228.5	214.8
82.5°	141.1	145.7	185.3	230.9	320.1	372.7	348.9	295.5	179.7	135.5	131.6
85°	73.4	77.2	115.5	142.5	159.3	161.1	160.8	158.6	113.4	82.8	79.0
87.5°	34.7	38.3	59.3	78.3	82.5	79.7	84.6	73.4	53.7	37.6	33.0
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)