

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: P1503069

Luminaire Tested: PRV-P-50-8540-U-T3RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503069
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-50-8540-U-T3RE-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 50W 85CRI 4000k FIXTURE w/ TYPE III
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4101.3 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

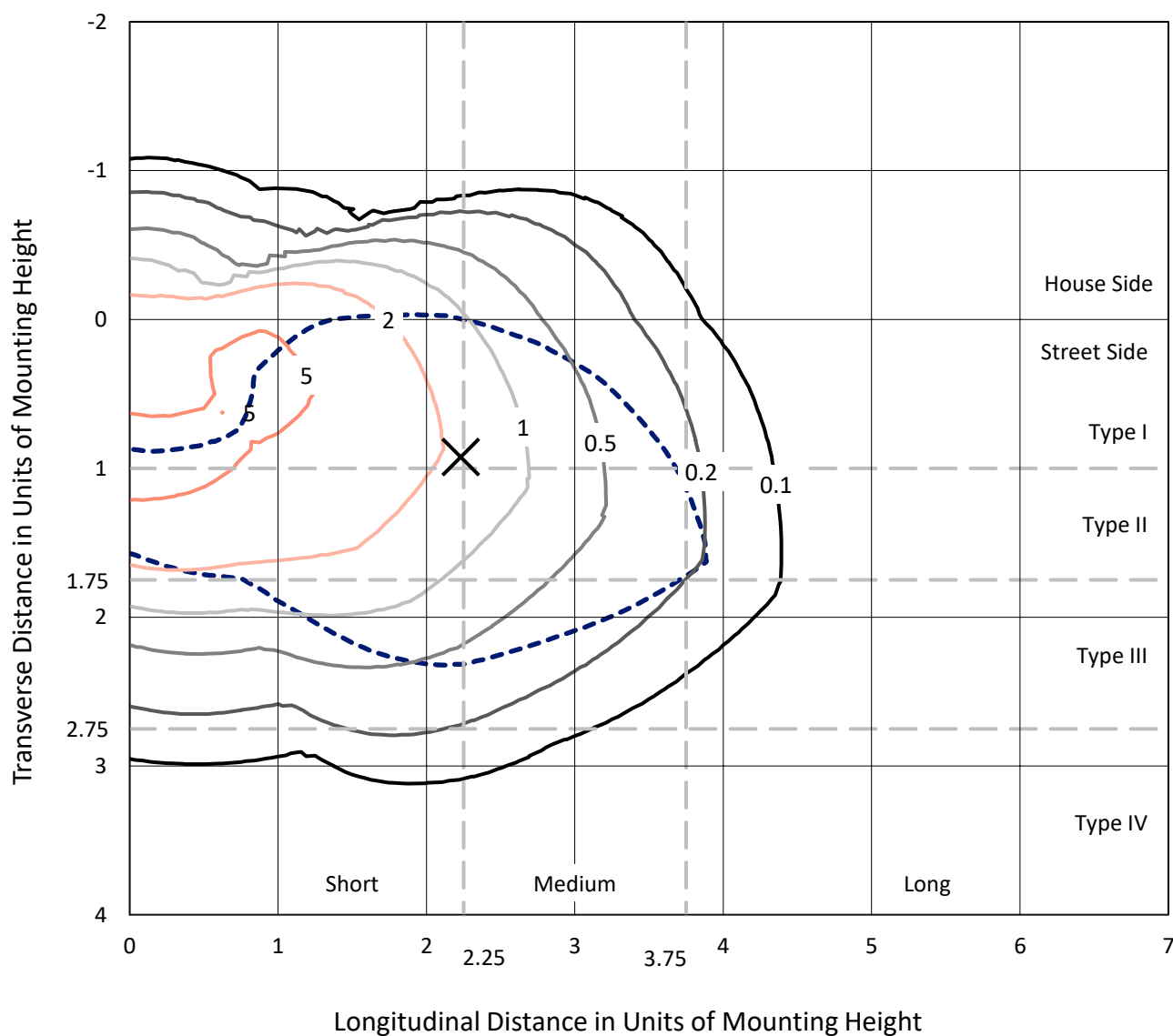
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



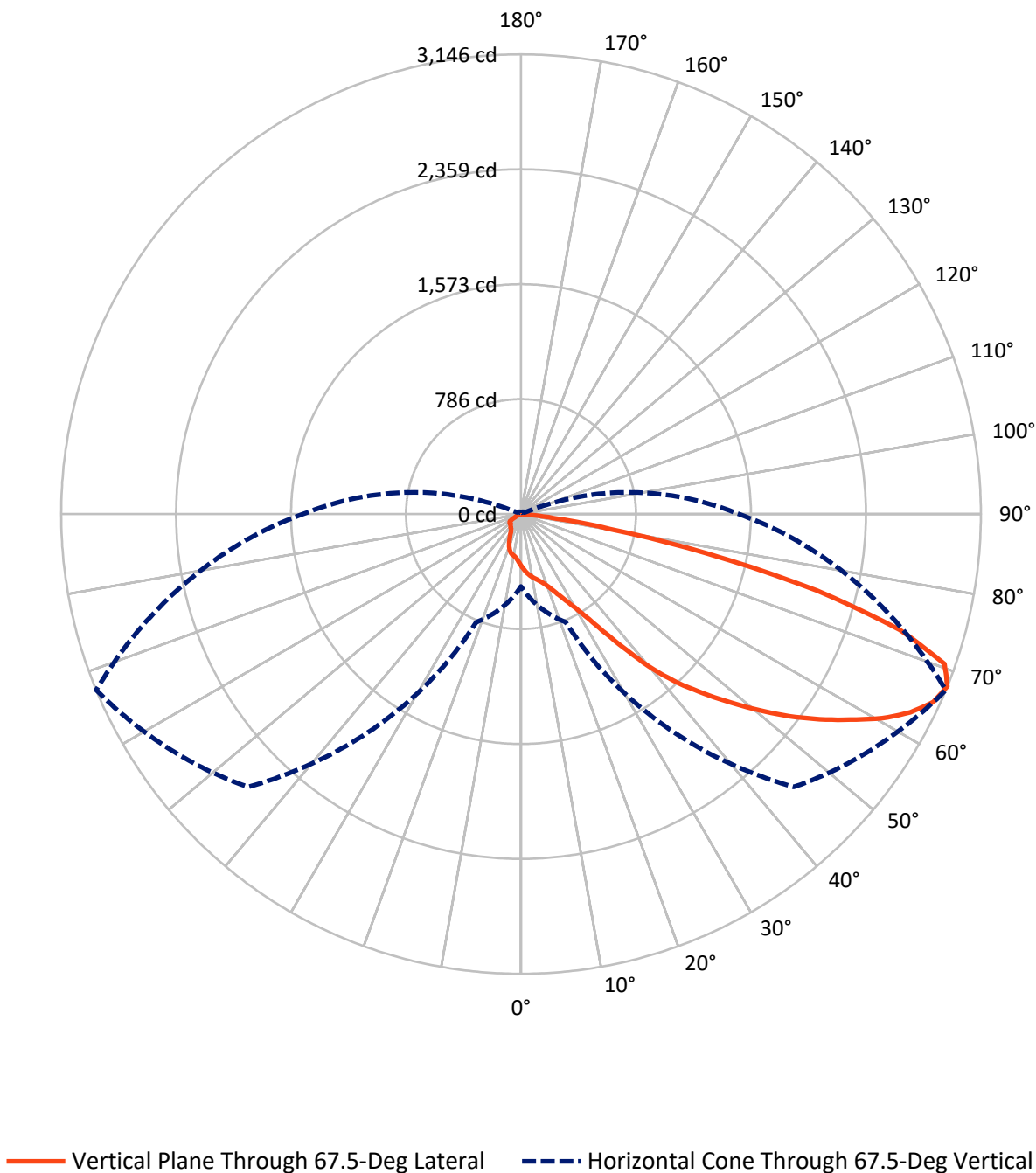
Based on 10 foot mounting height. Maximum calculated value = 6.7 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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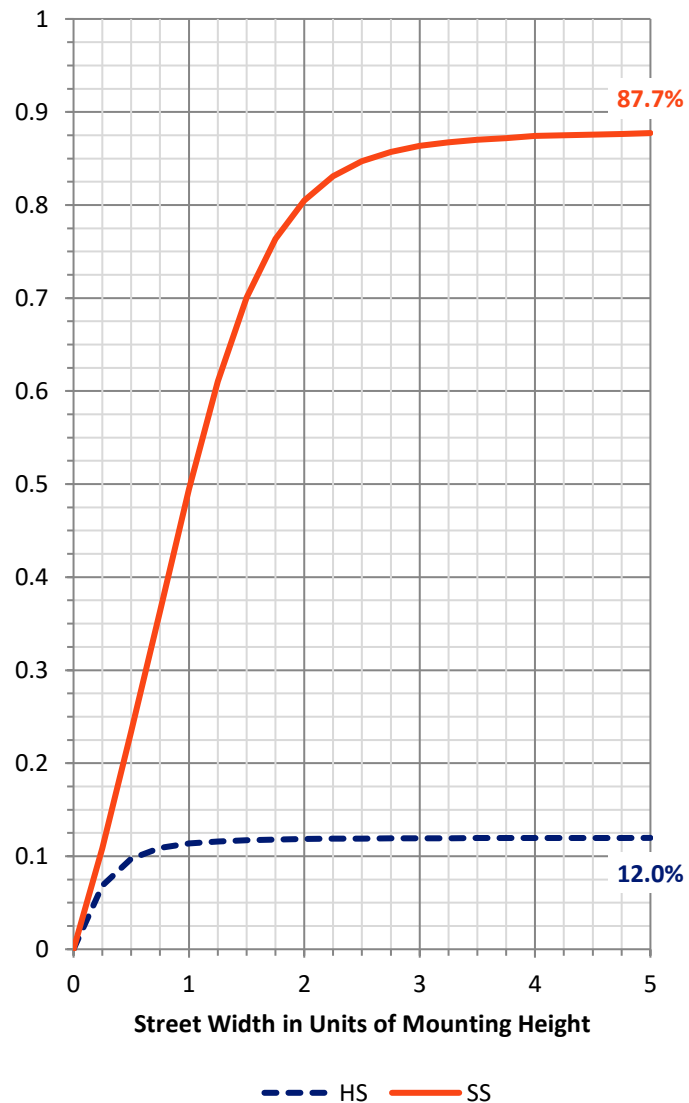
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	495.2	0.0	495.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3606.1	0.0	3606.1
	% Fixture	87.9	0.0	87.9
Total	Lumens	4101.3	0.0	4101.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	0.8
10°-20°	99.0	2.4
20°-30°	186.0	4.5
30°-40°	354.5	8.6
40°-50°	707.4	17.2
50°-60°	1047.1	25.5
60°-70°	1096.2	26.7
70°-80°	540.3	13.2
80°-90°	37.6	0.9
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°	4101.3	100.0
0°-180°	4101.3	100.0

Coefficient of Utilization



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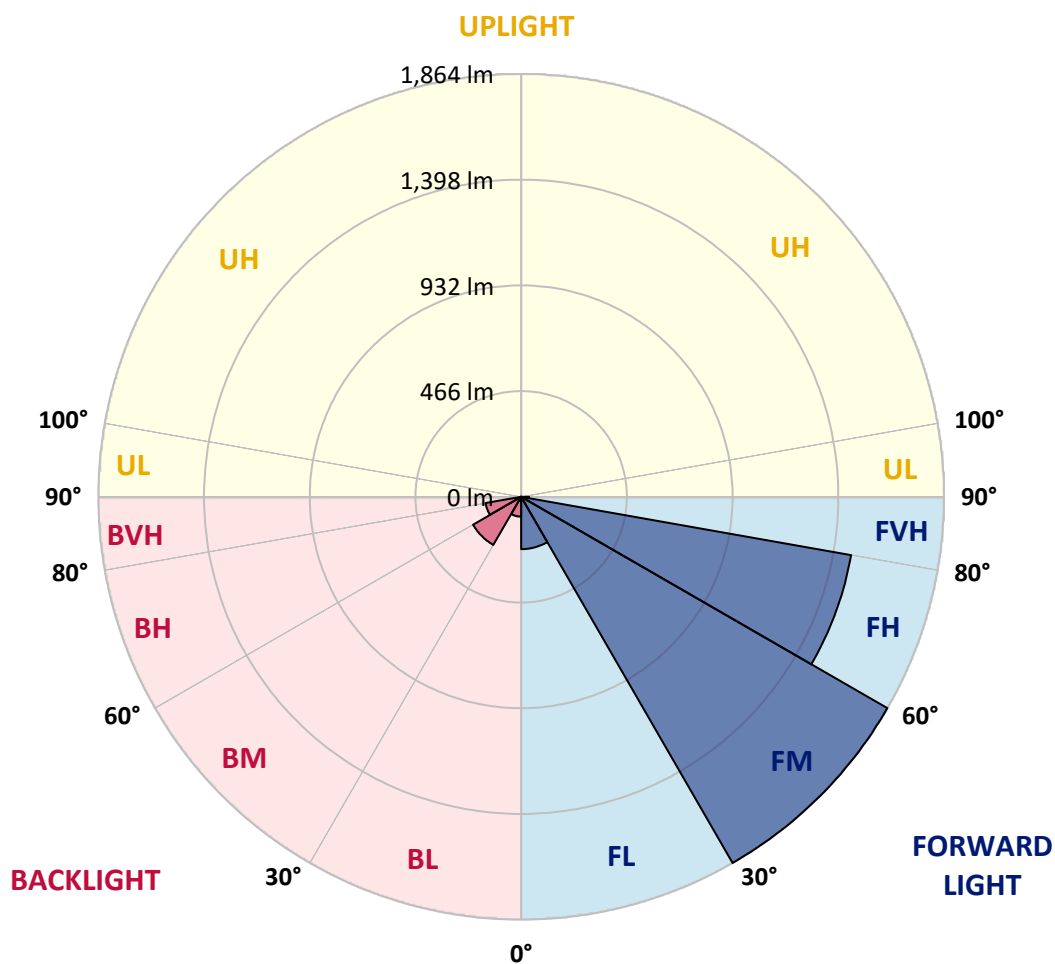
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.7	5.6			
FM	(30°-60°)	1864.1	45.5			
FH	(60°-80°)	1477.1	36.0			G1/1800
FVH	(80°-90°)	34.2	0.8			G1/100
BL	(0°-30°)	87.4	2.1	B0/110		
BM	(30°-60°)	244.9	6.0	B1/1000		
BH	(60°-80°)	159.4	3.9	B1/500		G1/500
BVH	(80°-90°)	3.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	403.8	406.3	397.6	378.9	357.7	334.0	316.5	306.6	302.8
5°	422.5	425.0	422.5	401.3	357.7	312.8	284.1	267.9	266.7
7.5°	427.5	431.2	431.2	422.5	361.4	297.9	261.7	236.8	226.8
10°	441.2	442.4	442.4	439.9	367.6	289.1	233.0	191.9	183.2
12.5°	467.3	464.8	457.4	456.1	378.9	282.9	196.9	163.3	160.8
15°	493.5	491.0	481.0	473.6	392.6	274.2	167.0	153.3	153.3
17.5°	525.9	522.2	508.5	497.3	410.0	260.5	149.5	147.1	145.8
20°	559.6	555.8	542.1	528.4	432.4	239.3	144.6	139.6	135.8
22.5°	595.7	588.2	579.5	569.5	461.1	214.4	139.6	130.9	124.6
25°	634.3	623.1	620.6	620.6	496.0	186.9	134.6	120.9	112.2
27.5°	678.0	663.0	663.0	679.2	539.6	163.3	127.1	108.4	98.5
30°	735.3	707.9	710.4	755.2	599.4	142.1	118.4	97.2	83.5
32.5°	832.5	771.4	772.7	857.4	674.2	125.9	108.4	84.7	73.5
35°	1015.7	898.5	851.2	1004.5	759.0	119.6	96.0	72.3	66.1
37.5°	1230.0	1079.2	958.4	1188.9	882.3	117.1	83.5	61.1	56.1
40°	1475.6	1301.1	1096.7	1399.5	1023.2	112.2	71.0	51.1	46.1
42.5°	1681.2	1512.9	1252.5	1582.7	1155.3	105.9	61.1	44.9	38.6
45°	1823.3	1707.4	1458.1	1749.7	1278.6	102.2	53.6	38.6	33.6
47.5°	1898.0	1868.1	1667.5	1923.0	1378.3	98.5	47.4	34.9	31.2
50°	1945.4	1976.5	1879.3	2108.6	1464.3	97.2	42.4	32.4	28.7
52.5°	1945.4	2041.3	2078.7	2298.1	1534.1	96.0	37.4	29.9	26.2
55°	1837.0	2063.8	2263.2	2477.5	1584.0	94.7	33.6	27.4	24.9
57.5°	1555.3	2002.7	2431.4	2654.5	1612.6	86.0	29.9	26.2	23.7
60°	1297.3	1780.9	2579.7	2837.7	1626.3	72.3	27.4	24.9	22.4
62.5°	1023.2	1480.5	2686.9	2988.5	1628.8	51.1	26.2	23.7	18.7
65°	719.1	1193.9	2735.5	3099.4	1605.2	38.6	24.9	21.2	16.2
67.5°	494.8	801.3	2639.5	3145.5	1490.5	29.9	22.4	16.2	8.7
70°	381.4	520.9	2254.5	3073.2	1303.6	24.9	18.7	10.0	6.2
72.5°	225.6	335.2	1687.4	2709.3	1048.1	22.4	15.0	7.5	3.7
75°	120.9	183.2	978.3	2093.7	689.2	19.9	12.5	6.2	2.5
77.5°	92.2	120.9	366.4	1299.8	387.6	17.4	10.0	3.7	1.2
80°	62.3	87.2	102.2	619.4	147.1	13.7	8.7	2.5	0.0
82.5°	42.4	61.1	64.8	225.6	38.6	8.7	5.0	1.2	0.0
85°	16.2	33.6	37.4	44.9	15.0	3.7	1.2	0.0	0.0
87.5°	2.5	7.5	8.7	8.7	2.5	2.5	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)