

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: P1503068

Luminaire Tested: PRV-P-30-8540-U-T3RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503068
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T3RE-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 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: 2892.5 lumens
Efficiency: N/A
Efficacy: 87.9 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

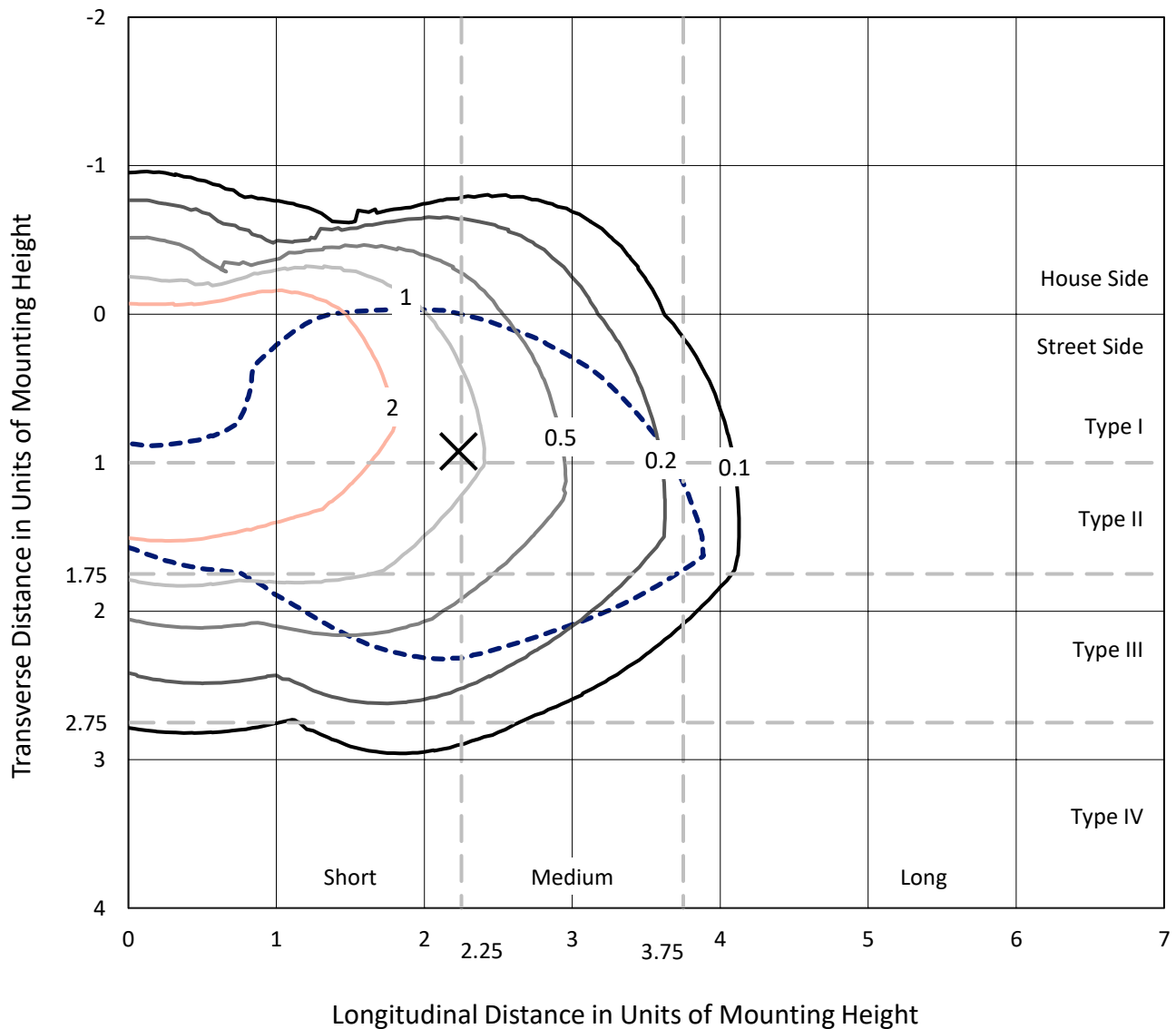
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

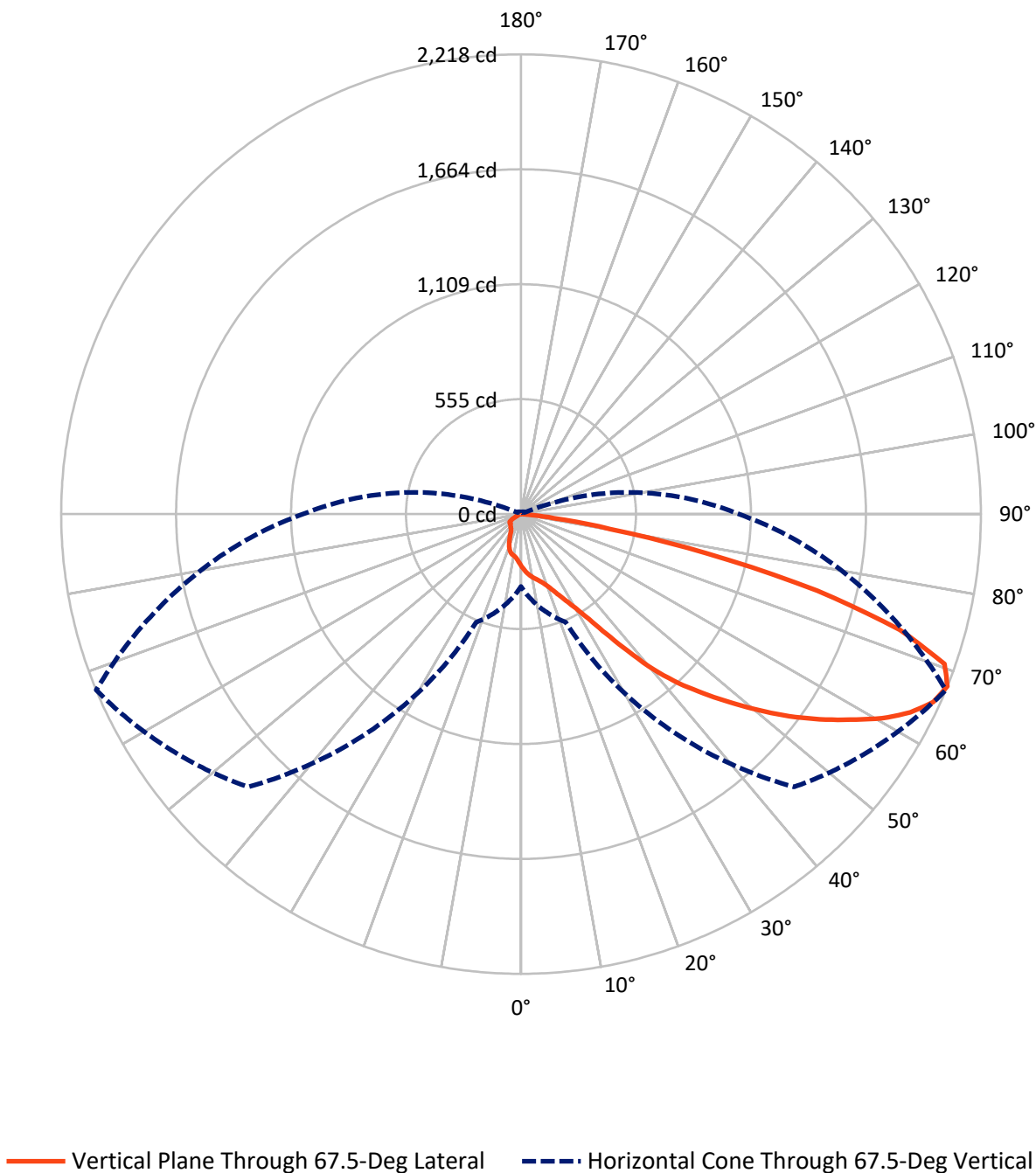


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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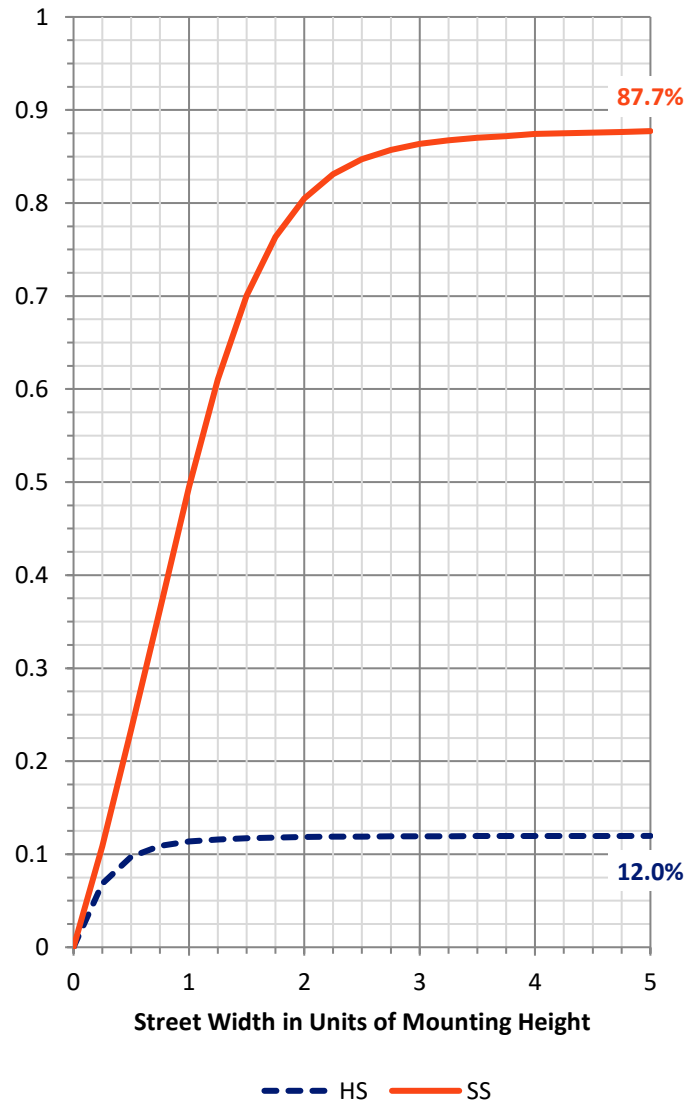
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.2	0.0	349.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	2543.3	0.0	2543.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	2892.5	0.0	2892.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.8
10°-20°	69.8	2.4
20°-30°	131.1	4.5
30°-40°	250.0	8.6
40°-50°	498.9	17.2
50°-60°	738.5	25.5
60°-70°	773.1	26.7
70°-80°	381.1	13.2
80°-90°	26.5	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°	2892.5	100.0
0°-180°	2892.5	100.0

Coefficient of Utilization



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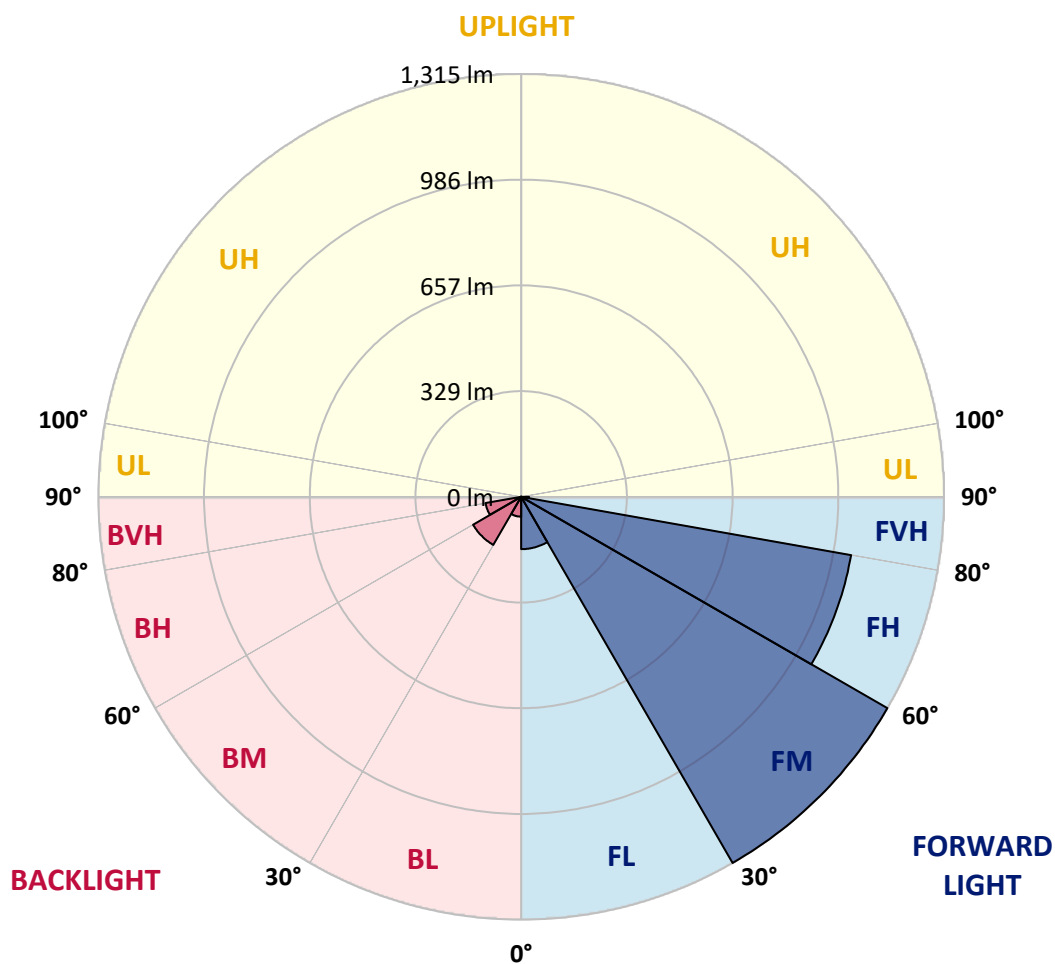
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.7	5.6			
FM	(30°-60°)	1314.6	45.5			
FH	(60°-80°)	1041.8	36.0			G1/1800
FVH	(80°-90°)	24.1	0.8			G1/100
BL	(0°-30°)	61.6	2.1	B0/110		
BM	(30°-60°)	172.7	6.0	B0/220		
BH	(60°-80°)	112.4	3.9	B1/500		G1/500
BVH	(80°-90°)	2.4	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°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	284.8	286.5	280.4	267.2	252.3	235.6	223.2	216.2	213.6
5°	298.0	299.7	298.0	283.0	252.3	220.6	200.4	189.0	188.1
7.5°	301.5	304.1	304.1	298.0	254.9	210.1	184.6	167.0	160.0
10°	311.1	312.0	312.0	310.3	259.3	203.9	164.4	135.4	129.2
12.5°	329.6	327.8	322.6	321.7	267.2	199.5	138.9	115.1	113.4
15°	348.1	346.3	339.3	334.0	276.9	193.4	117.8	108.1	108.1
17.5°	370.9	368.3	358.6	350.7	289.2	183.7	105.5	103.7	102.8
20°	394.6	392.0	382.3	372.7	305.0	168.8	102.0	98.4	95.8
22.5°	420.1	414.9	408.7	401.7	325.2	151.2	98.4	92.3	87.9
25°	447.4	439.5	437.7	437.7	349.8	131.8	94.9	85.3	79.1
27.5°	478.1	467.6	467.6	479.0	380.6	115.1	89.7	76.5	69.4
30°	518.6	499.2	501.0	532.6	422.8	100.2	83.5	68.6	58.9
32.5°	587.1	544.1	544.9	604.7	475.5	88.8	76.5	59.8	51.9
35°	716.3	633.7	600.3	708.4	535.3	84.4	67.7	51.0	46.6
37.5°	867.5	761.1	675.9	838.5	622.3	82.6	58.9	43.1	39.6
40°	1040.6	917.6	773.5	987.0	721.6	79.1	50.1	36.0	32.5
42.5°	1185.7	1067.0	883.3	1116.2	814.8	74.7	43.1	31.6	27.2
45°	1285.9	1204.1	1028.3	1234.0	901.8	72.1	37.8	27.2	23.7
47.5°	1338.6	1317.5	1176.0	1356.2	972.1	69.4	33.4	24.6	22.0
50°	1372.0	1394.0	1325.4	1487.1	1032.7	68.6	29.9	22.9	20.2
52.5°	1372.0	1439.7	1466.0	1620.7	1082.0	67.7	26.4	21.1	18.5
55°	1295.5	1455.5	1596.1	1747.3	1117.1	66.8	23.7	19.3	17.6
57.5°	1096.9	1412.4	1714.8	1872.1	1137.3	60.6	21.1	18.5	16.7
60°	915.0	1256.0	1819.4	2001.3	1147.0	51.0	19.3	17.6	15.8
62.5°	721.6	1044.2	1895.0	2107.7	1148.8	36.0	18.5	16.7	13.2
65°	507.1	842.0	1929.2	2185.9	1132.1	27.2	17.6	14.9	11.4
67.5°	348.9	565.1	1861.6	2218.4	1051.2	21.1	15.8	11.4	6.2
70°	269.0	367.4	1590.0	2167.4	919.4	17.6	13.2	7.0	4.4
72.5°	159.1	236.4	1190.1	1910.8	739.2	15.8	10.5	5.3	2.6
75°	85.3	129.2	690.0	1476.6	486.0	14.1	8.8	4.4	1.8
77.5°	65.0	85.3	258.4	916.7	273.3	12.3	7.0	2.6	0.9
80°	43.9	61.5	72.1	436.8	103.7	9.7	6.2	1.8	0.0
82.5°	29.9	43.1	45.7	159.1	27.2	6.2	3.5	0.9	0.0
85°	11.4	23.7	26.4	31.6	10.5	2.6	0.9	0.0	0.0
87.5°	1.8	5.3	6.2	6.2	1.8	1.8	0.9	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)