

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: P1503070

Luminaire Tested: PRV-P-70-8540-U-T3RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503070
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T3RE-HSS
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE III
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6521.5 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

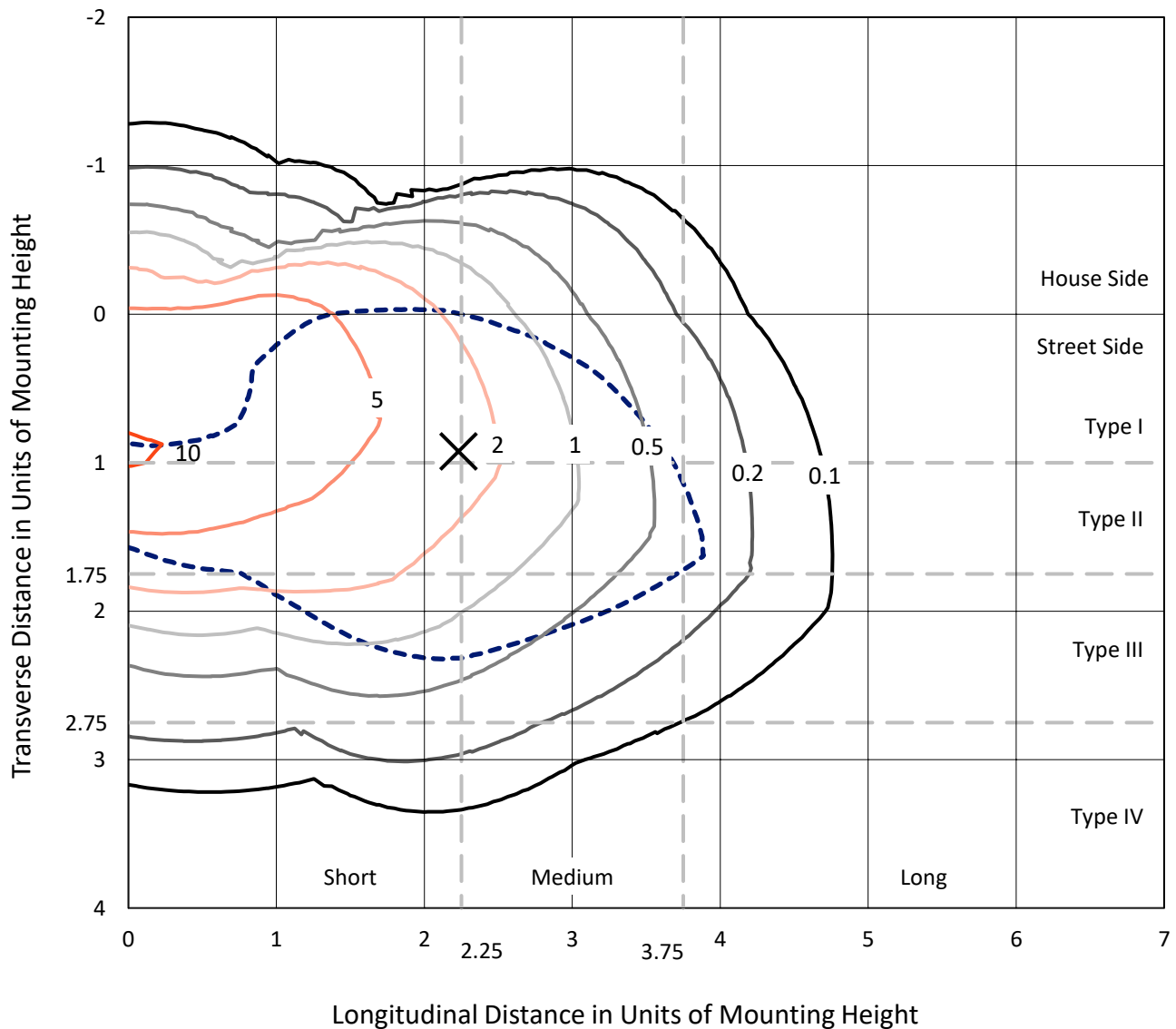
Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1503070

CATALOG NUMBER: PRV-P-70-8540-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

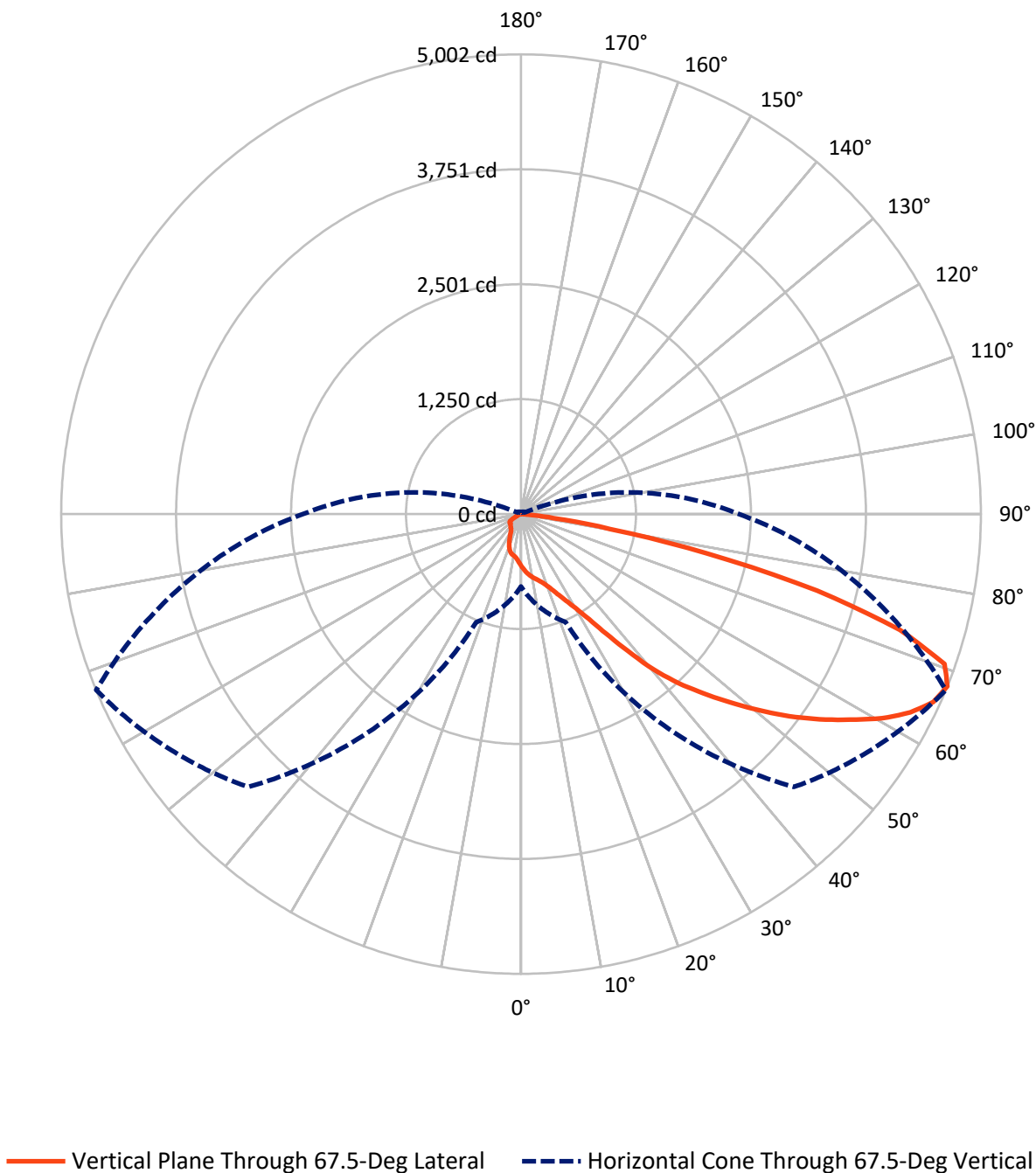


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type III - Short - N/A

REPORT NUMBER: P1503070

CATALOG NUMBER: PRV-P-70-8540-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1503070

CATALOG NUMBER: PRV-P-70-8540-U-T3RE-HSS

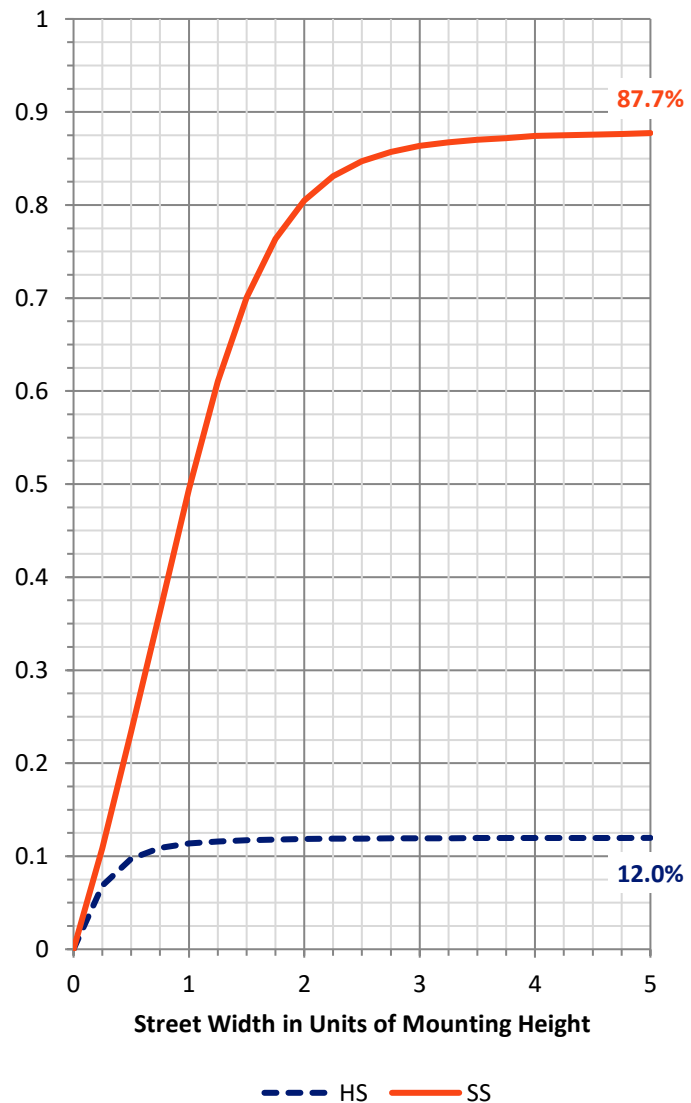
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.4	0.0	787.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	5734.1	0.0	5734.1
	% Fixture	87.9	0.0	87.9
Total	Lumens	6521.5	0.0	6521.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	0.8
10°-20°	157.3	2.4
20°-30°	295.7	4.5
30°-40°	563.7	8.6
40°-50°	1124.8	17.2
50°-60°	1665.0	25.5
60°-70°	1743.1	26.7
70°-80°	859.1	13.2
80°-90°	59.8	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°	6521.5	100.0
0°-180°	6521.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1503070

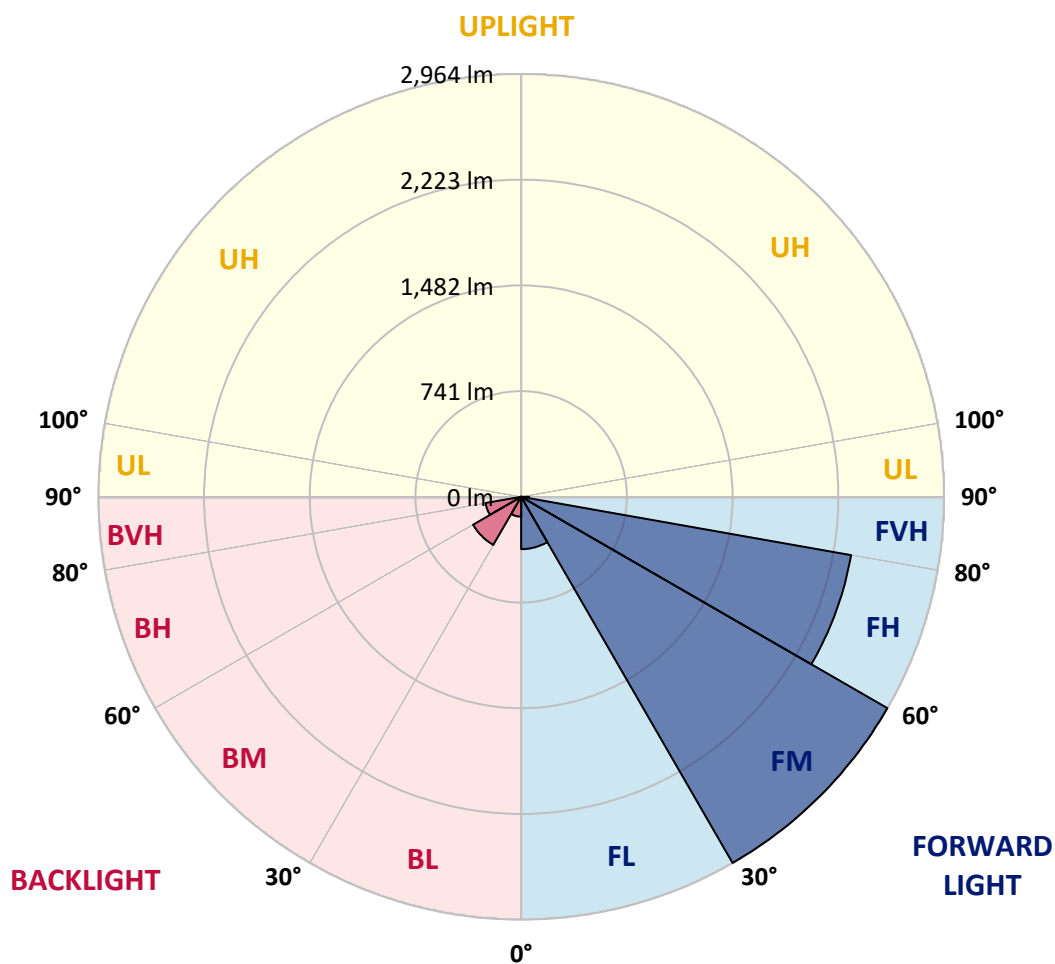
CATALOG NUMBER: PRV-P-70-8540-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.9	5.6			
FM	(30°-60°)	2964.0	45.5			
FH	(60°-80°)	2348.8	36.0			G2/5000
FVH	(80°-90°)	54.4	0.8			G1/100
BL	(0°-30°)	138.9	2.1	B1/500		
BM	(30°-60°)	389.5	6.0	B1/1000		
BH	(60°-80°)	253.5	3.9	B1/500		G1/500
BVH	(80°-90°)	5.5	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-G2

Type III Short



REPORT NUMBER: P1503070

CATALOG NUMBER: PRV-P-70-8540-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	642.1	646.0	632.1	602.4	568.7	531.1	503.3	487.5	481.5
5°	671.8	675.7	671.8	638.1	568.7	497.4	451.8	426.1	424.1
7.5°	679.7	685.7	685.7	671.8	574.7	473.6	416.1	376.5	360.7
10°	701.5	703.5	703.5	699.5	584.6	459.7	370.6	305.2	291.3
12.5°	743.1	739.2	727.3	725.3	602.4	449.8	313.1	259.6	255.6
15°	784.7	780.8	764.9	753.0	624.2	436.0	265.5	243.7	243.7
17.5°	836.3	830.3	808.5	790.7	652.0	414.2	237.8	233.8	231.9
20°	889.8	883.8	862.0	840.2	687.6	380.5	229.9	221.9	216.0
22.5°	947.2	935.3	921.5	905.6	733.2	340.8	221.9	208.1	198.2
25°	1008.7	990.8	986.9	986.9	788.7	297.2	214.0	192.2	178.3
27.5°	1078.0	1054.2	1054.2	1080.0	858.1	259.6	202.1	172.4	156.6
30°	1169.2	1125.6	1129.5	1200.9	953.2	225.9	188.3	154.6	132.8
32.5°	1323.7	1226.6	1228.6	1363.4	1072.1	200.1	172.4	134.8	116.9
35°	1615.0	1428.8	1353.5	1597.2	1206.8	190.2	152.6	114.9	105.0
37.5°	1955.9	1716.1	1523.9	1890.5	1403.0	186.3	132.8	97.1	89.2
40°	2346.3	2068.8	1743.9	2225.4	1626.9	178.3	113.0	81.2	73.3
42.5°	2673.2	2405.7	1991.6	2516.7	1837.0	168.4	97.1	71.3	61.4
45°	2899.2	2714.9	2318.5	2782.2	2033.2	162.5	85.2	61.4	53.5
47.5°	3018.1	2970.5	2651.4	3057.7	2191.7	156.6	75.3	55.5	49.5
50°	3093.4	3142.9	2988.3	3353.0	2328.4	154.6	67.4	51.5	45.6
52.5°	3093.4	3245.9	3305.4	3654.2	2439.4	152.6	59.4	47.6	41.6
55°	2921.0	3281.6	3598.7	3939.5	2518.7	150.6	53.5	43.6	39.6
57.5°	2473.1	3184.5	3866.2	4220.9	2564.3	136.7	47.6	41.6	37.7
60°	2062.9	2831.8	4102.0	4512.2	2586.1	114.9	43.6	39.6	35.7
62.5°	1626.9	2354.2	4272.4	4752.0	2590.0	81.2	41.6	37.7	29.7
65°	1143.4	1898.4	4349.7	4928.4	2552.4	61.4	39.6	33.7	25.8
67.5°	786.7	1274.2	4197.1	5001.7	2370.1	47.6	35.7	25.8	13.9
70°	606.4	828.3	3584.8	4886.7	2072.8	39.6	29.7	15.9	9.9
72.5°	358.7	533.1	2683.2	4308.1	1666.6	35.7	23.8	11.9	5.9
75°	192.2	291.3	1555.6	3329.2	1095.9	31.7	19.8	9.9	4.0
77.5°	146.6	192.2	582.6	2066.9	616.3	27.7	15.9	5.9	2.0
80°	99.1	138.7	162.5	984.9	233.8	21.8	13.9	4.0	0.0
82.5°	67.4	97.1	103.0	358.7	61.4	13.9	7.9	2.0	0.0
85°	25.8	53.5	59.4	71.3	23.8	5.9	2.0	0.0	0.0
87.5°	4.0	11.9	13.9	13.9	4.0	4.0	2.0	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)