

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P639053

Luminaire Tested: **USSL-M-C097-D-U-T5-BZ-7050**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-C097-D-U-T5-BZ-7050
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54513 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

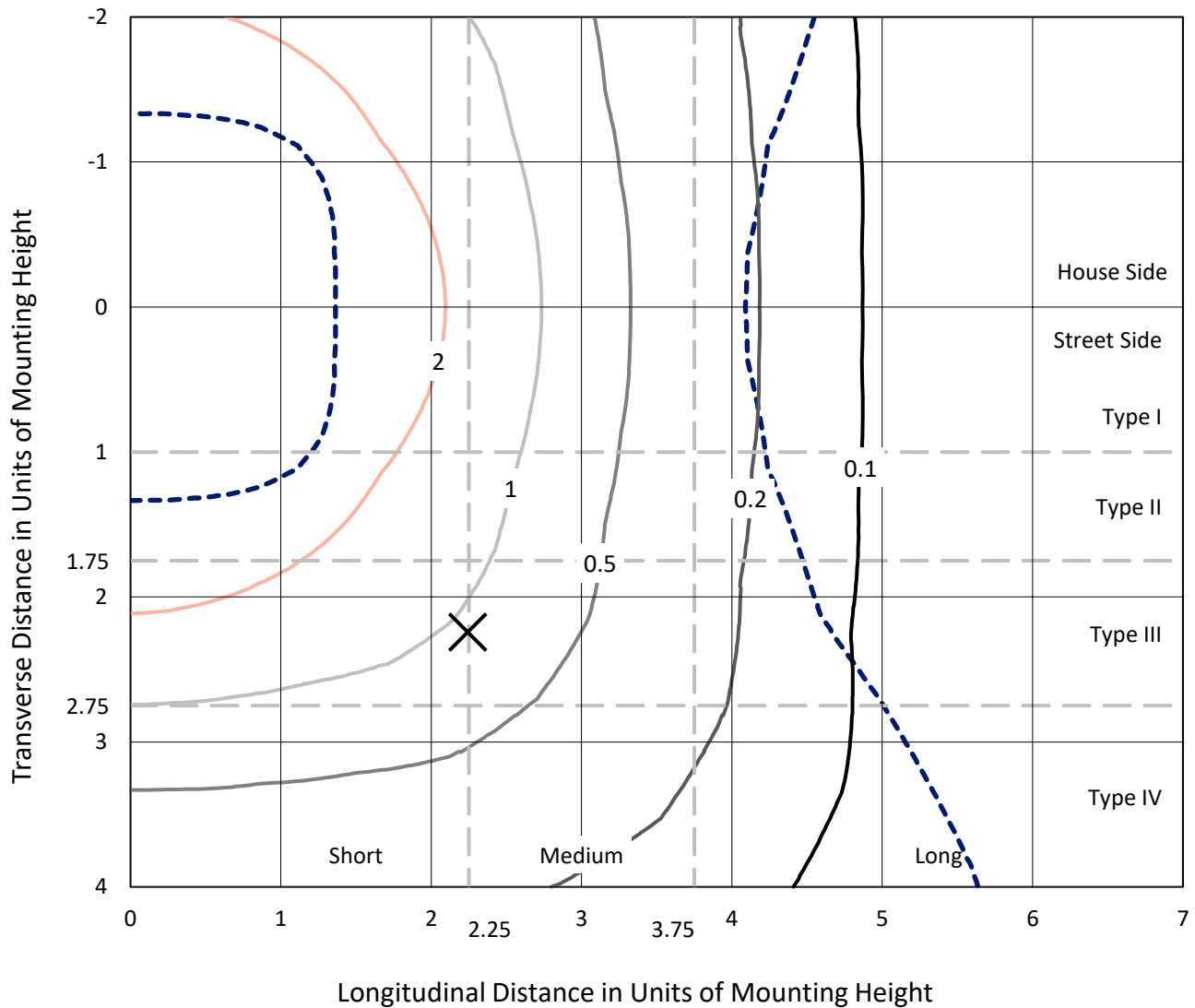


REPORT NUMBER: P639053

CATALOG NUMBER: USSL-M-C097-D-U-T5-BZ-7050

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

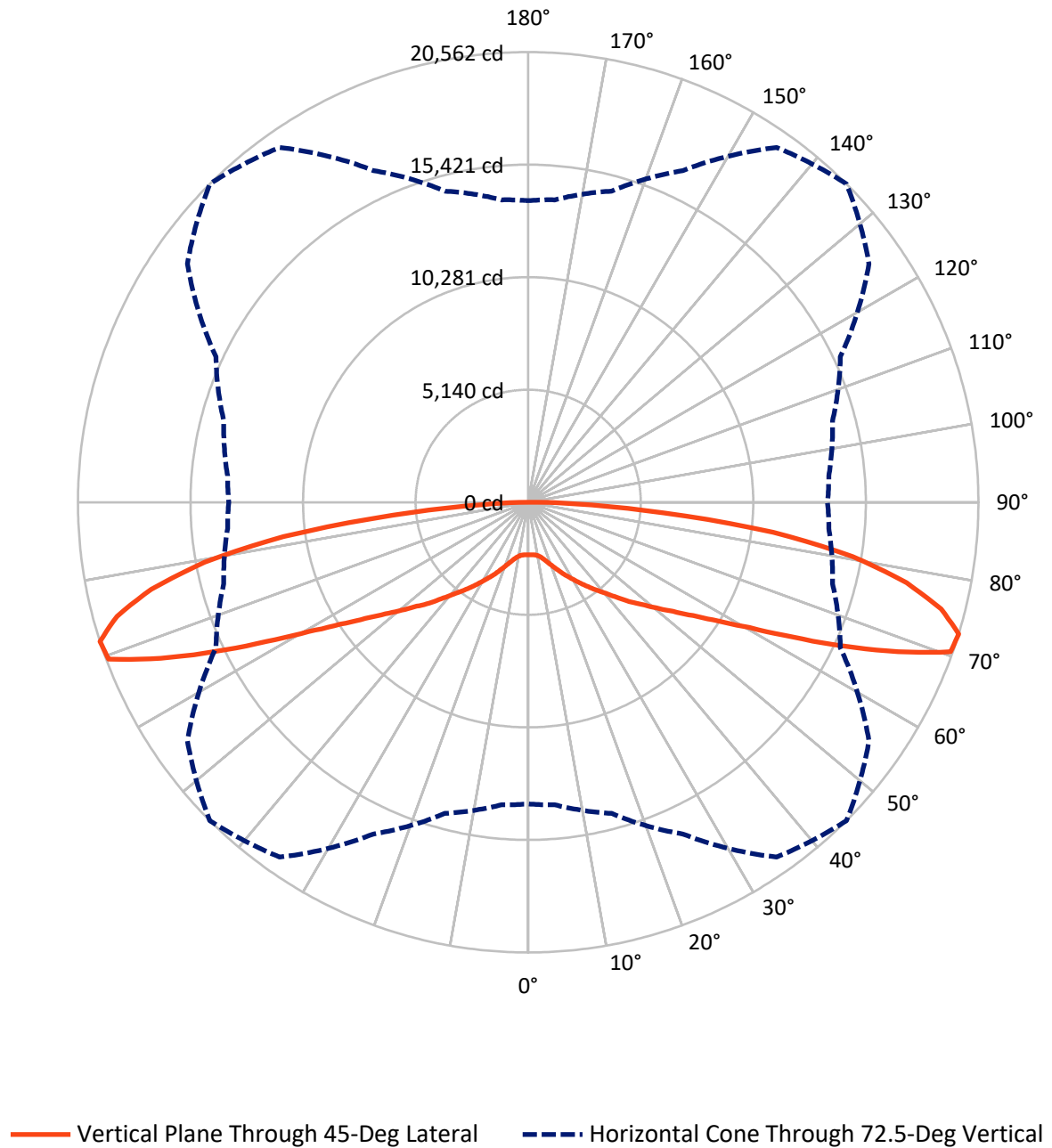


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type V - Short - N/A

REPORT NUMBER: P639053

CATALOG NUMBER: USSL-M-C097-D-U-T5-BZ-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P639053

CATALOG NUMBER: USSL-M-C097-D-U-T5-BZ-7050

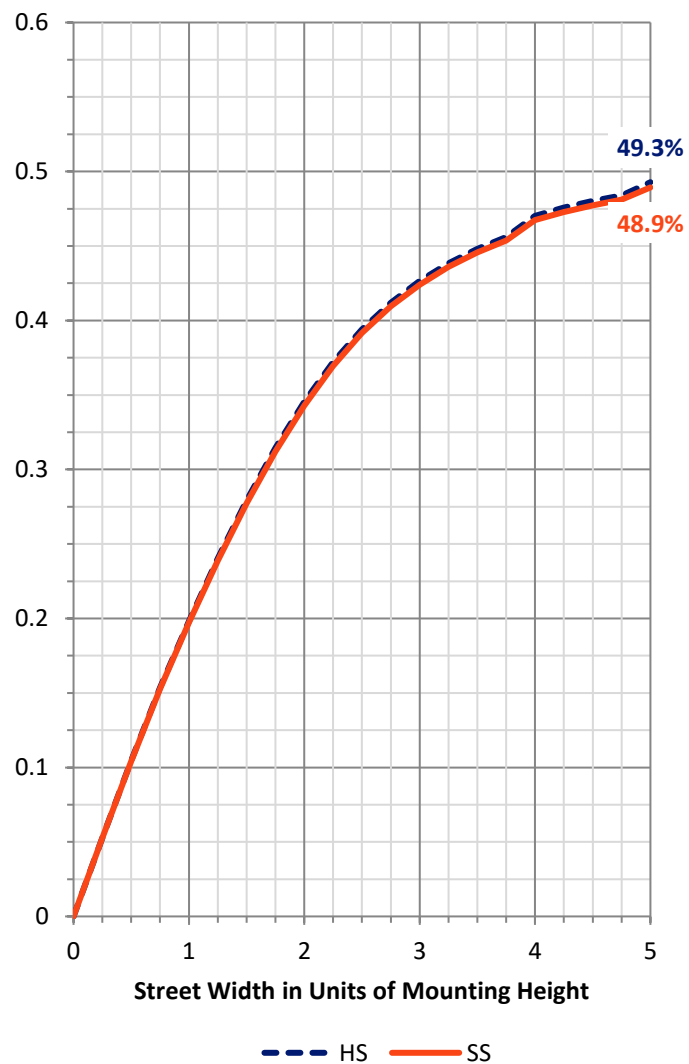
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27256.5	0.0	27256.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27256.5	0.0	27256.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54513.0	0.0	54513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	0.4
10°-20°	776.9	1.4
20°-30°	1634.2	3.0
30°-40°	3011.2	5.5
40°-50°	5248.7	9.6
50°-60°	9223.6	16.9
60°-70°	15430.7	28.3
70°-80°	15079.8	27.7
80°-90°	3874.4	7.1
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°	54513.0	100.0
0°-180°	54513.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639053

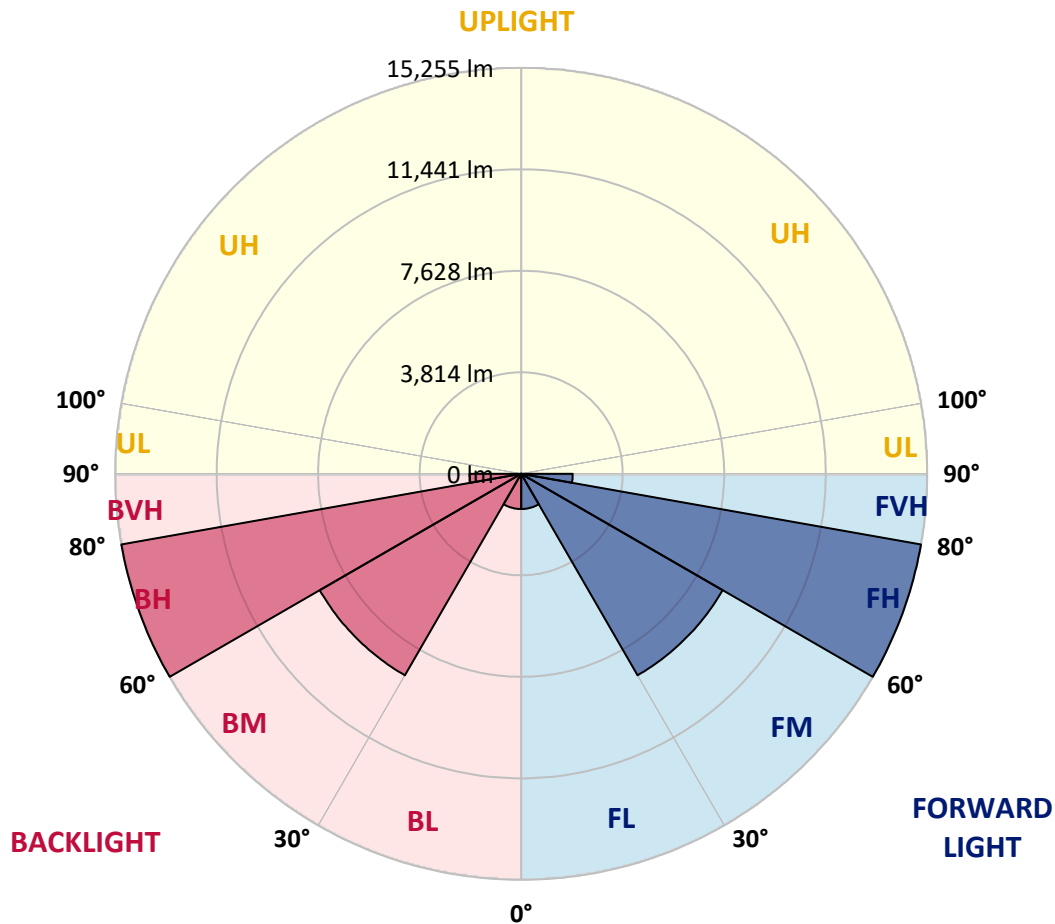
CATALOG NUMBER: USSL-M-C097-D-U-T5-BZ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1322.3	2.4			
FM	(30°-60°)	8741.7	16.0			
FH	(60°-80°)	15255.3	28.0			G5
FVH	(80°-90°)	1937.2	3.6			G5
BL	(0°-30°)	1322.3	2.4	B3/2500		
BM	(30°-60°)	8741.7	16.0	B5		
BH	(60°-80°)	15255.3	28.0	B5		G5
BVH	(80°-90°)	1937.2	3.6			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



REPORT NUMBER: P639053

CATALOG NUMBER: USSL-M-C097-D-U-T5-BZ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4	2405.4
2.5°	2412.5	2413.5	2414.5	2406.4	2403.3	2396.2	2398.2	2409.4	2416.6	2421.6	2420.6
5°	2422.7	2424.7	2426.7	2420.6	2415.5	2408.4	2413.5	2424.7	2433.9	2439.0	2437.9
7.5°	2451.2	2451.2	2454.2	2447.1	2443.0	2433.9	2437.9	2450.2	2460.3	2467.5	2465.4
10°	2495.0	2500.1	2505.2	2495.0	2493.9	2483.8	2486.8	2498.0	2501.1	2506.2	2506.2
12.5°	2563.2	2566.3	2574.4	2575.4	2582.5	2571.3	2571.3	2572.4	2568.3	2562.2	2561.2
15°	2667.1	2670.1	2684.4	2694.6	2707.8	2705.8	2695.6	2688.5	2667.1	2659.9	2662.0
17.5°	2798.4	2807.6	2821.9	2841.2	2873.8	2877.9	2856.5	2836.1	2815.7	2804.5	2792.3
20°	2983.8	2987.8	3007.2	3027.6	3071.4	3077.5	3051.0	3014.3	2992.9	2992.9	2991.9
22.5°	3191.5	3190.5	3206.8	3238.4	3288.3	3308.6	3269.9	3232.3	3216.0	3214.9	3212.9
25°	3431.9	3439.0	3435.9	3465.5	3527.6	3567.3	3508.2	3471.6	3463.4	3462.4	3469.5
27.5°	3706.8	3717.0	3709.9	3709.9	3774.0	3829.0	3766.9	3737.4	3737.4	3745.5	3747.5
30°	4008.2	4011.3	4002.1	4002.1	4051.0	4104.0	4035.7	4041.8	4053.0	4081.6	4071.4
32.5°	4342.3	4338.2	4324.9	4323.9	4366.7	4418.6	4356.5	4369.8	4406.4	4440.0	4416.6
35°	4714.0	4704.8	4687.5	4677.3	4720.1	4742.5	4721.1	4751.6	4800.5	4846.3	4845.3
37.5°	5094.8	5109.1	5077.5	5066.3	5071.4	5094.8	5095.8	5153.9	5242.5	5301.5	5296.5
40°	5558.2	5548.0	5517.4	5458.4	5460.4	5466.5	5539.8	5626.4	5756.8	5803.6	5840.3
42.5°	6103.0	6112.2	6003.2	5948.2	5907.5	5925.8	6004.2	6153.9	6314.8	6383.0	6421.7
45°	6782.2	6812.8	6702.8	6580.6	6469.6	6466.5	6555.1	6724.2	6901.4	7042.9	7071.4
47.5°	7695.7	7675.3	7480.8	7222.2	6999.1	6961.5	7035.8	7276.1	7602.0	7810.8	7806.7
50°	8769.0	8697.8	8429.9	8041.9	7635.6	7582.7	7648.9	7996.1	8402.4	8670.3	8680.4
52.5°	9964.6	9912.7	9606.1	9047.1	8477.8	8277.2	8377.0	8837.3	9344.4	9667.2	9716.1
55°	11166.2	11178.5	10857.7	10211.0	9504.3	9135.7	9257.9	9778.2	10487.0	10803.7	10824.1
57.5°	12458.5	12448.4	12151.0	11520.6	10754.8	10215.1	10353.6	10994.1	11624.5	12042.0	12029.8
60°	13701.9	13658.2	13396.4	12944.3	12263.0	11621.5	11727.4	12356.7	12923.9	13272.2	13300.7
62.5°	14768.2	14770.2	14640.9	14420.9	14038.0	13539.0	13430.0	13814.0	14278.3	14514.6	14509.5
65°	16157.2	16114.4	15999.4	15883.3	15873.1	15833.4	15373.1	15404.6	15663.3	15886.3	15920.9
67.5°	16540.1	16592.0	16831.3	17390.4	18150.1	18222.4	17395.5	16673.5	16395.5	16330.3	16284.5
70°	15538.0	15553.3	16182.7	17479.0	19669.5	20461.8	18758.1	16602.2	15727.5	15401.6	15378.2
72.5°	13779.3	13866.9	14712.2	16718.3	19783.6	20561.6	18997.4	15732.5	14390.4	13780.4	13672.4
75°	11658.1	11824.1	12875.0	15100.1	18659.3	19484.2	17928.1	14213.2	12528.8	11746.7	11672.4
77.5°	8349.5	8447.2	9907.6	12645.9	16733.6	17668.4	16045.2	11942.2	9924.9	9006.3	8879.0
80°	4433.9	4790.3	6195.7	9101.0	13546.1	15023.8	12972.8	8798.6	6614.2	5532.7	5482.8
82.5°	1933.9	2061.1	2989.9	5282.2	9288.4	11276.2	9056.2	5430.9	3628.4	2785.2	2609.0
85°	803.5	839.1	1323.9	2501.1	4849.4	6209.9	5026.6	2714.9	1657.9	1124.3	1182.3
87.5°	211.8	238.3	417.5	937.9	1764.8	2075.4	1691.5	1028.5	551.9	346.2	322.8
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)