

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: P639055

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

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639055
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
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53530.9 lumens
Efficiency: N/A
Efficacy: 154.7 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

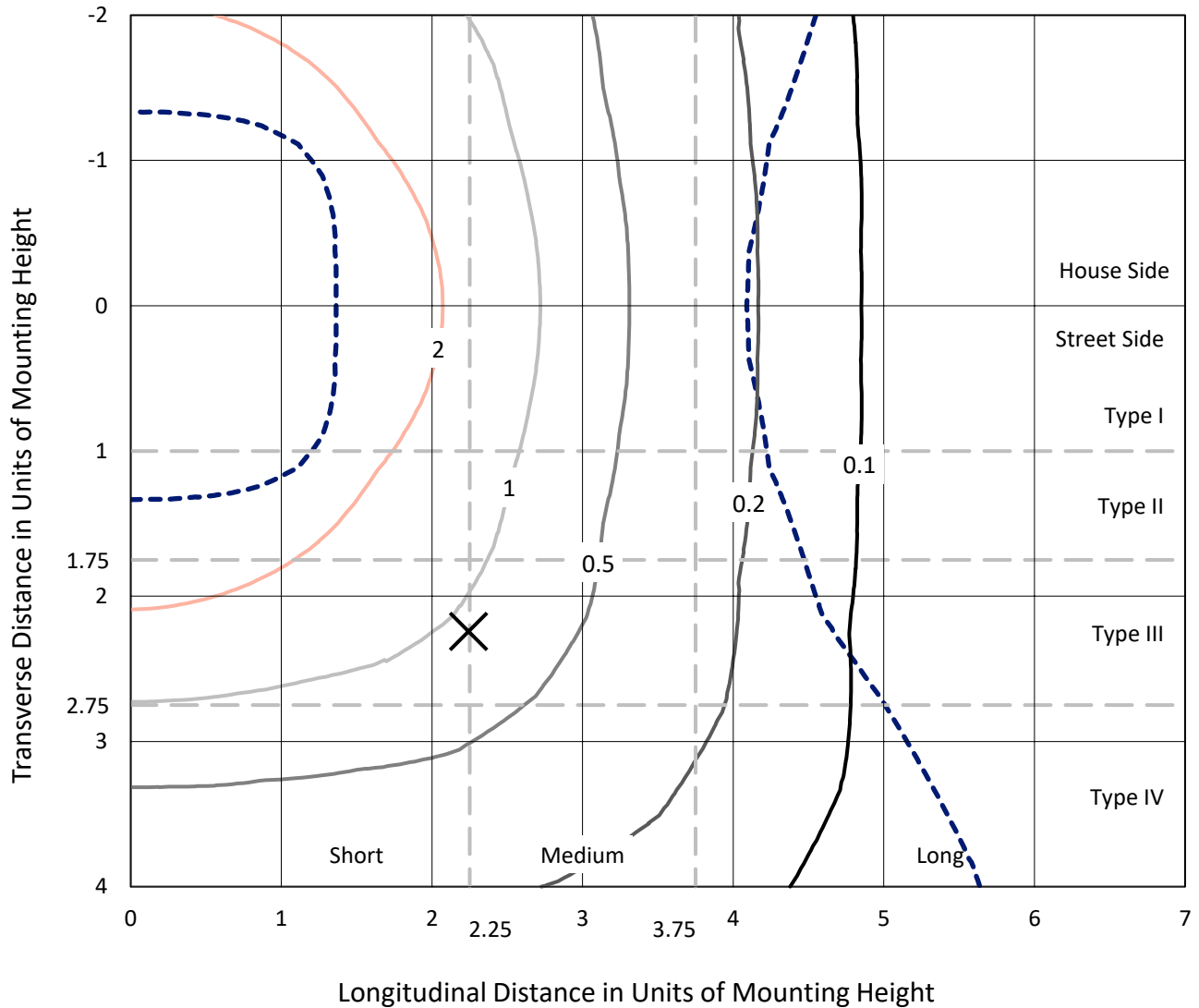
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

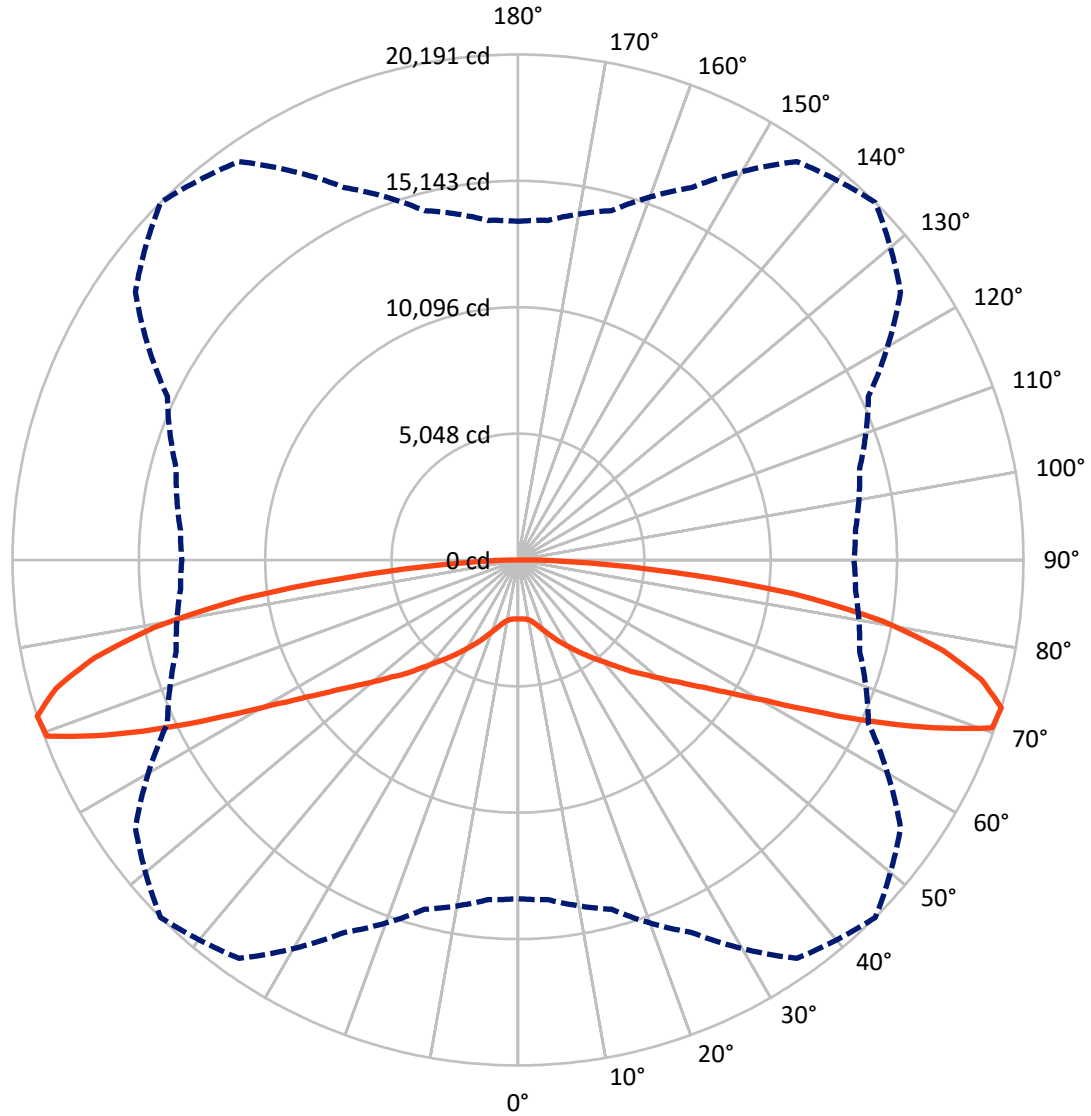
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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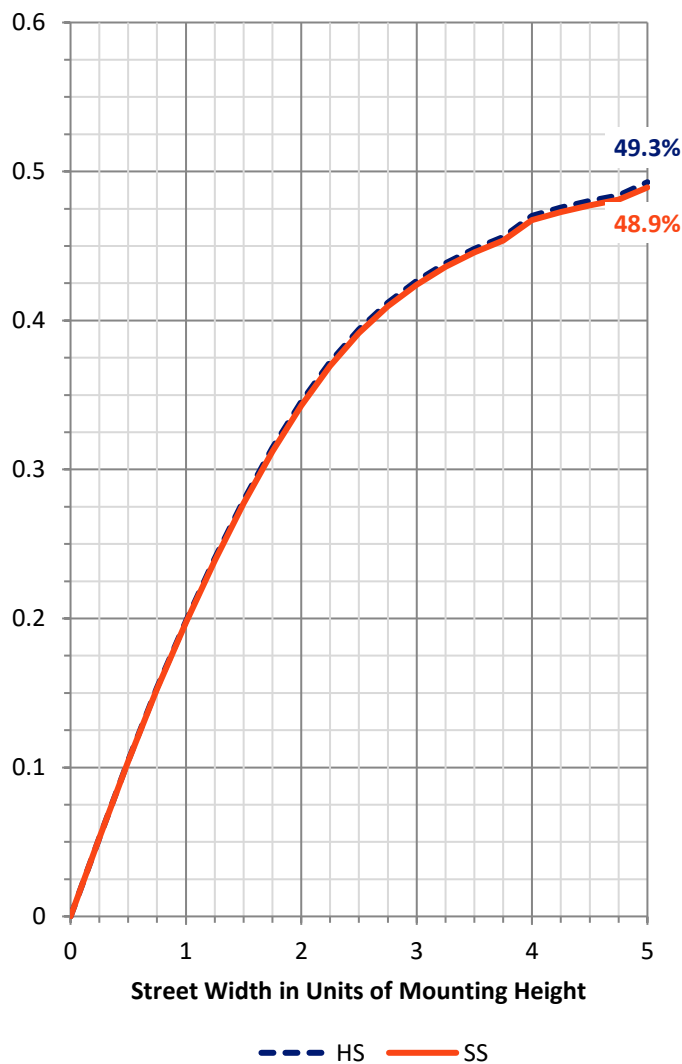
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26765.5	0.0	26765.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26765.5	0.0	26765.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53530.9	0.0	53530.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	0.4
10°-20°	762.9	1.4
20°-30°	1604.7	3.0
30°-40°	2956.9	5.5
40°-50°	5154.2	9.6
50°-60°	9057.5	16.9
60°-70°	15152.7	28.3
70°-80°	14808.2	27.7
80°-90°	3804.6	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°	53530.9	100.0
0°-180°	53530.9	100.0

Coefficient of Utilization



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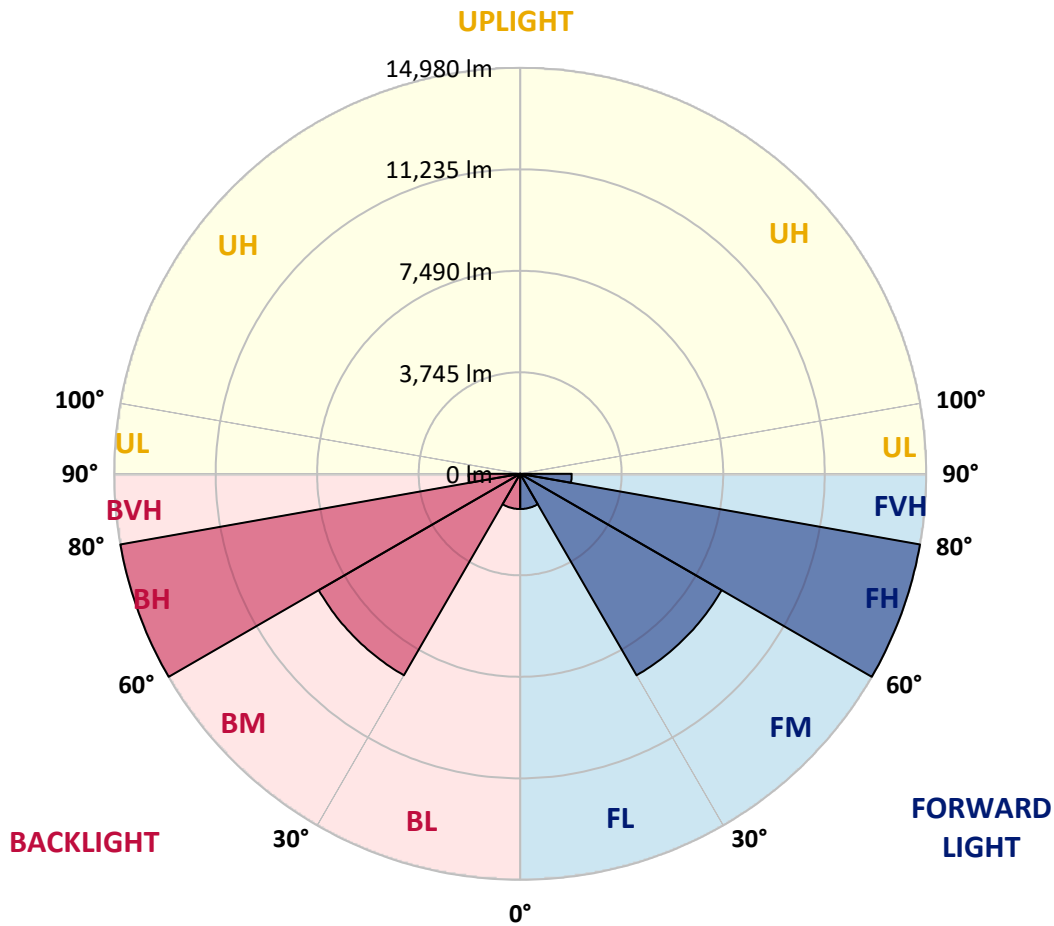
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1298.5	2.4			
FM (30°-60°)	8584.3	16.0			
FH (60°-80°)	14980.4	28.0			G5
FVH (80°-90°)	1902.3	3.6			G5
BL (0°-30°)	1298.5	2.4	B3/2500		
BM (30°-60°)	8584.3	16.0	B5		
BH (60°-80°)	14980.4	28.0	B5		G5
BVH (80°-90°)	1902.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0	2362.0
2.5°	2369.0	2370.0	2371.0	2363.0	2360.0	2353.0	2355.0	2366.0	2373.0	2378.0	2377.0
5°	2379.0	2381.0	2383.0	2377.0	2372.0	2365.0	2370.0	2381.0	2390.0	2395.0	2394.0
7.5°	2407.0	2407.0	2410.0	2403.0	2399.0	2390.0	2394.0	2406.0	2416.0	2423.0	2421.0
10°	2450.0	2455.0	2460.0	2450.0	2449.0	2439.0	2442.0	2453.0	2456.0	2461.0	2461.0
12.5°	2517.0	2520.0	2528.0	2529.0	2536.0	2525.0	2525.0	2526.0	2522.0	2516.0	2515.0
15°	2619.0	2622.0	2636.0	2646.0	2659.0	2657.0	2647.0	2640.0	2619.0	2612.0	2614.0
17.5°	2748.0	2757.0	2771.0	2790.0	2822.0	2826.0	2805.0	2785.0	2765.0	2754.0	2742.0
20°	2930.0	2934.0	2953.0	2973.0	3016.0	3022.0	2996.0	2960.0	2939.0	2939.0	2938.0
22.5°	3134.0	3133.0	3149.0	3180.0	3229.0	3249.0	3211.0	3174.0	3158.0	3157.0	3155.0
25°	3370.0	3377.0	3374.0	3403.0	3464.0	3503.0	3445.0	3409.0	3401.0	3400.0	3407.0
27.5°	3640.0	3650.0	3643.0	3643.0	3706.0	3760.0	3699.0	3670.0	3670.0	3678.0	3680.0
30°	3936.0	3939.0	3930.0	3930.0	3978.0	4030.0	3963.0	3969.0	3980.0	4008.0	3998.0
32.5°	4264.0	4260.0	4247.0	4246.0	4288.0	4339.0	4278.0	4291.0	4327.0	4360.0	4337.0
35°	4629.0	4620.0	4603.0	4593.0	4635.0	4657.0	4636.0	4666.0	4714.0	4759.0	4758.0
37.5°	5003.0	5017.0	4986.0	4975.0	4980.0	5003.0	5004.0	5061.0	5148.0	5206.0	5201.0
40°	5458.0	5448.0	5418.0	5360.0	5362.0	5368.0	5440.0	5525.0	5653.1	5699.1	5735.1
42.5°	5993.1	6002.1	5895.1	5841.1	5801.1	5819.1	5896.1	6043.1	6201.1	6268.1	6306.1
45°	6660.1	6690.1	6582.1	6462.1	6353.1	6350.1	6437.1	6603.1	6777.1	6916.1	6944.1
47.5°	7557.1	7537.1	7346.1	7092.1	6873.1	6836.1	6909.1	7145.1	7465.1	7670.1	7666.1
50°	8611.1	8541.1	8278.1	7897.1	7498.1	7446.1	7511.1	7852.1	8251.1	8514.1	8524.1
52.5°	9785.1	9734.1	9433.1	8884.1	8325.1	8128.1	8226.1	8678.1	9176.1	9493.1	9541.1
55°	10965.1	10977.1	10662.1	10027.1	9333.1	8971.1	9091.1	9602.1	10298.1	10609.1	10629.1
57.5°	12234.1	12224.1	11932.1	11313.1	10561.1	10031.1	10167.1	10796.1	11415.1	11825.1	11813.1
60°	13455.1	13412.1	13155.1	12711.1	12042.1	11412.1	11516.1	12134.1	12691.1	13033.1	13061.1
62.5°	14502.1	14504.1	14377.1	14161.1	13785.1	13295.1	13188.1	13565.1	14021.1	14253.1	14248.1
65°	15866.1	15824.1	15711.1	15597.1	15587.1	15548.1	15096.1	15127.1	15381.1	15600.1	15634.1
67.5°	16242.1	16293.1	16528.1	17077.2	17823.2	17894.2	17082.2	16373.1	16100.1	16036.1	15991.1
70°	15258.1	15273.1	15891.1	17164.2	19315.2	20093.2	18420.2	16303.1	15444.1	15124.1	15101.1
72.5°	13531.1	13617.1	14447.1	16417.1	19427.2	20191.2	18655.2	15449.1	14131.1	13532.1	13426.1
75°	11448.1	11611.1	12643.1	14828.1	18323.2	19133.2	17605.2	13957.1	12303.1	11535.1	11462.1
77.5°	8199.1	8295.1	9729.1	12418.1	16432.1	17350.2	15756.1	11727.1	9746.1	8844.1	8719.1
80°	4354.0	4704.0	6084.1	8937.1	13302.1	14753.1	12739.1	8640.1	6495.1	5433.0	5384.0
82.5°	1899.0	2024.0	2936.0	5187.0	9121.1	11073.1	8893.1	5333.0	3563.0	2735.0	2562.0
85°	789.0	824.0	1300.0	2456.0	4762.0	6098.1	4936.0	2666.0	1628.0	1104.0	1161.0
87.5°	208.0	234.0	410.0	921.0	1733.0	2038.0	1661.0	1010.0	542.0	340.0	317.0
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)