

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: P639095

Luminaire Tested: **USSL-M-C098-D-U-T5-BZ-7050**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639095
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-C098-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: 64360 lumens
Efficiency: N/A
Efficacy: 153.9 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): 418.1
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

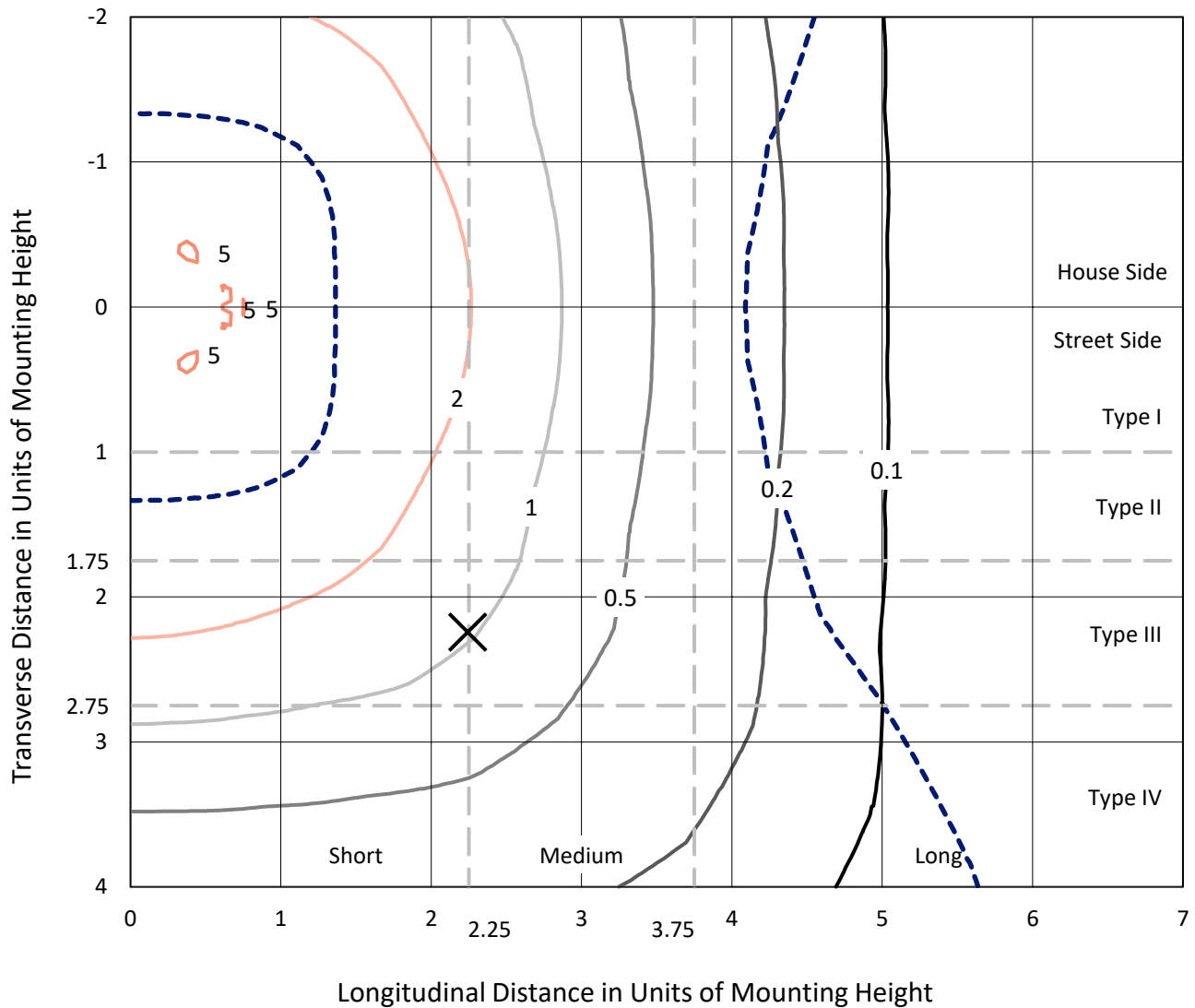


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

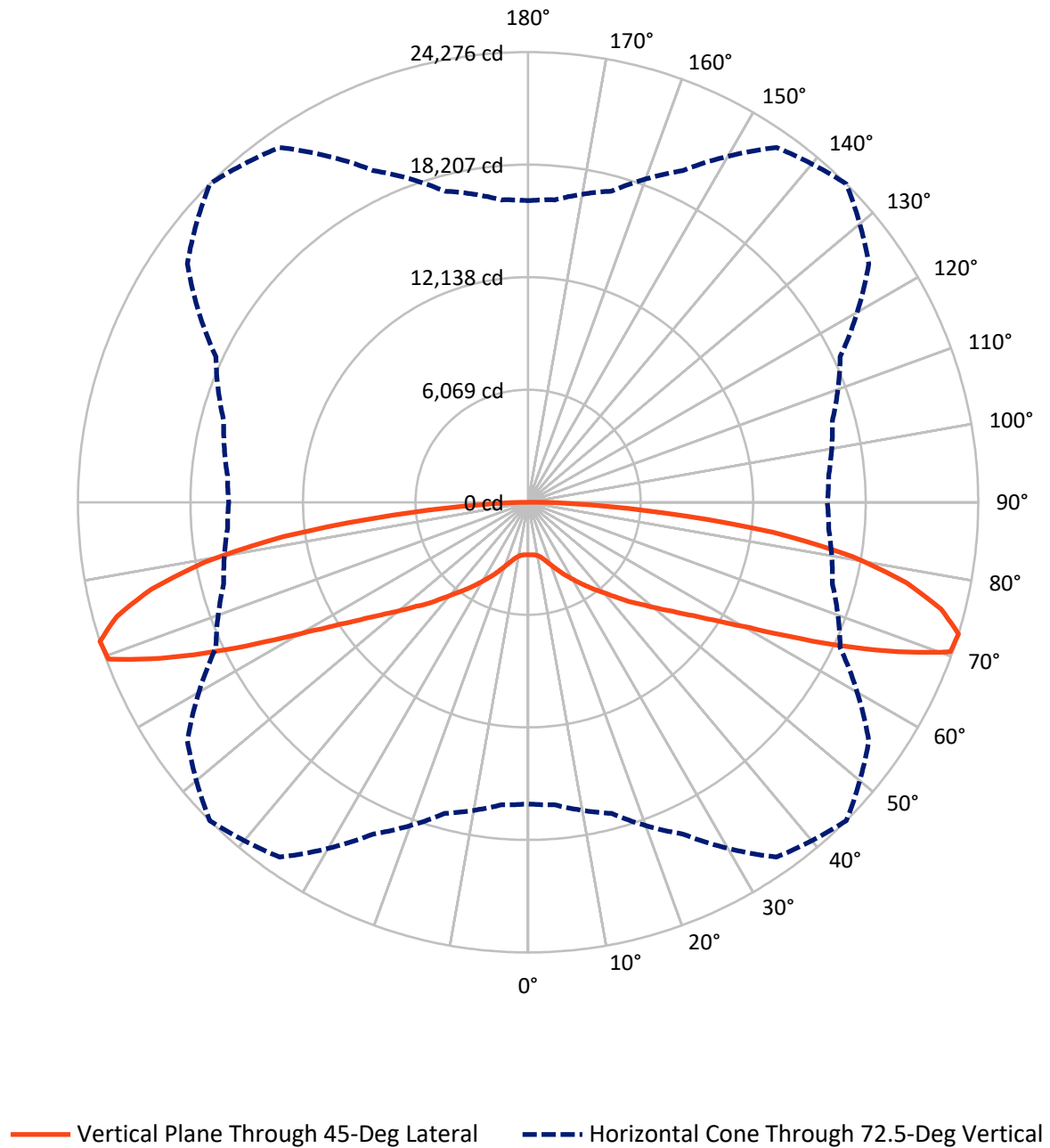


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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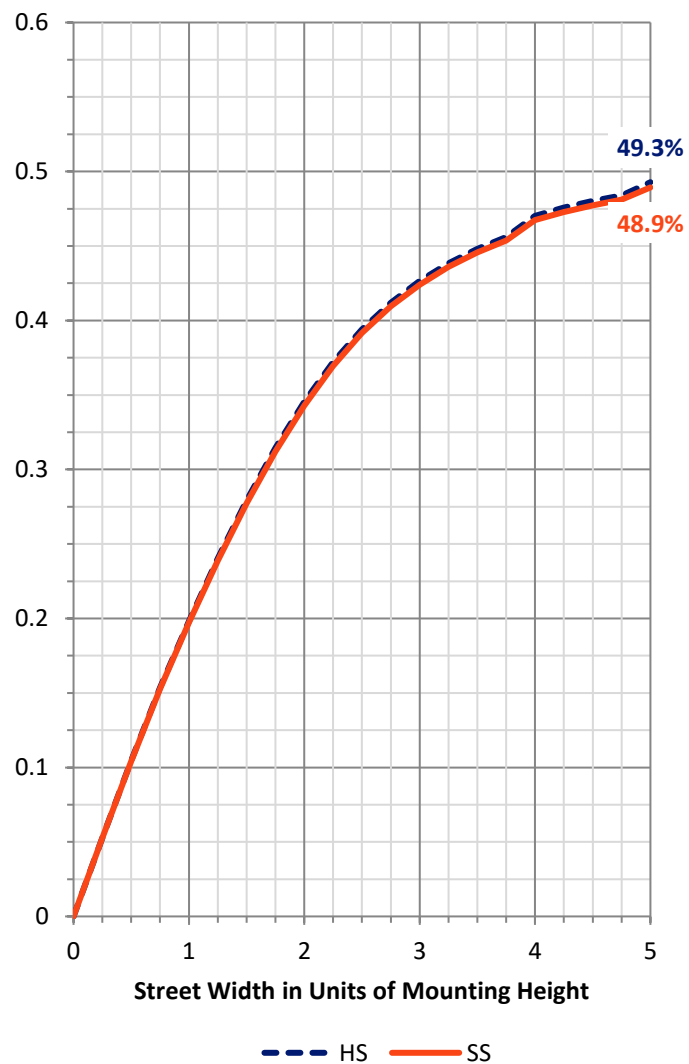
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32180.0	0.0	32180.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32180.0	0.0	32180.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64360.0	0.0	64360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.7	0.4
10°-20°	917.2	1.4
20°-30°	1929.4	3.0
30°-40°	3555.1	5.5
40°-50°	6196.8	9.6
50°-60°	10889.7	16.9
60°-70°	18218.0	28.3
70°-80°	17803.8	27.7
80°-90°	4574.3	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°	64360.0	100.0
0°-180°	64360.0	100.0

Coefficient of Utilization



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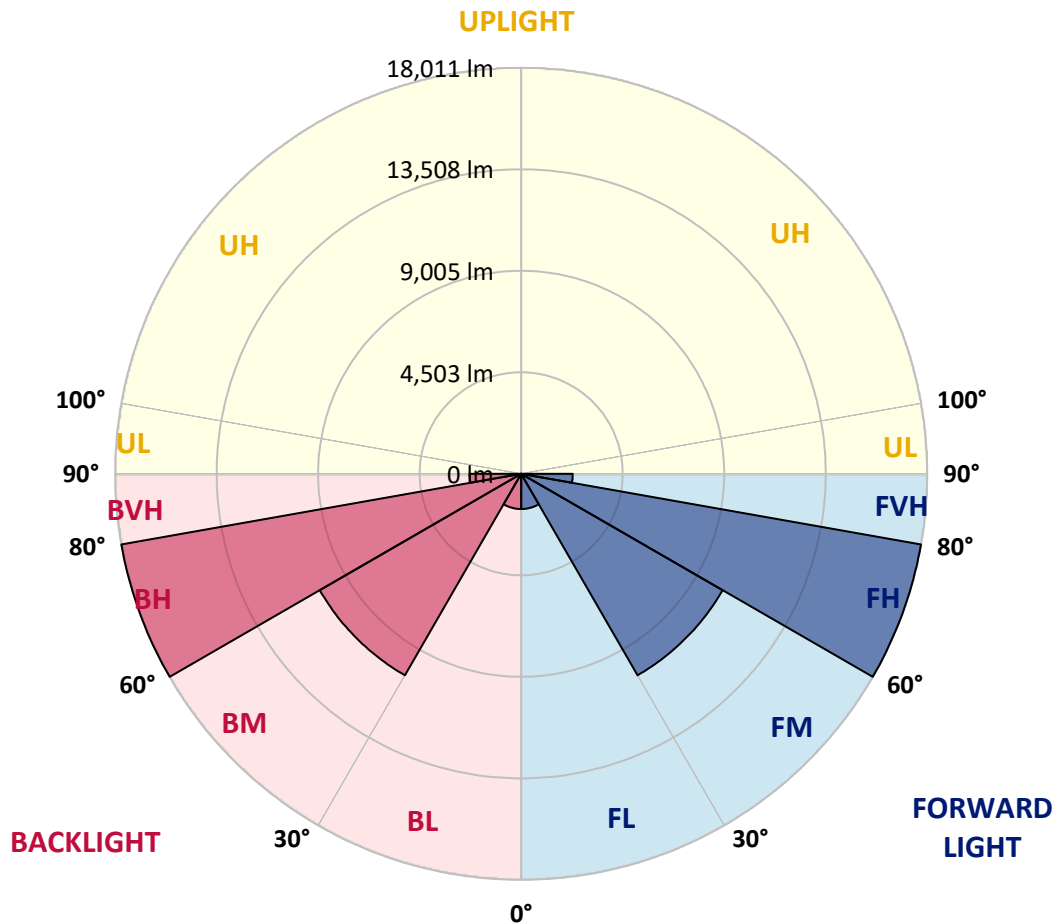
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1561.1	2.4			
FM	(30°-60°)	10320.8	16.0			
FH	(60°-80°)	18010.9	28.0			G5
FVH	(80°-90°)	2287.1	3.6			G5
BL	(0°-30°)	1561.1	2.4	B3/2500		
BM	(30°-60°)	10320.8	16.0	B5		
BH	(60°-80°)	18010.9	28.0	B5		G5
BVH	(80°-90°)	2287.1	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°	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8	2839.8
2.5°	2848.3	2849.5	2850.7	2841.0	2837.4	2829.0	2831.4	2844.7	2853.1	2859.1	2857.9
5°	2860.3	2862.7	2865.1	2857.9	2851.9	2843.5	2849.5	2862.7	2873.5	2879.5	2878.3
7.5°	2893.9	2893.9	2897.6	2889.1	2884.3	2873.5	2878.3	2892.7	2904.8	2913.2	2910.8
10°	2945.6	2951.7	2957.7	2945.6	2944.4	2932.4	2936.0	2949.3	2952.9	2958.9	2958.9
12.5°	3026.2	3029.8	3039.4	3040.6	3049.0	3035.8	3035.8	3037.0	3032.2	3025.0	3023.8
15°	3148.8	3152.4	3169.3	3181.3	3196.9	3194.5	3182.5	3174.1	3148.8	3140.4	3142.8
17.5°	3303.9	3314.8	3331.6	3354.4	3392.9	3397.7	3372.5	3348.4	3324.4	3311.1	3296.7
20°	3522.8	3527.6	3550.4	3574.5	3626.2	3633.4	3602.1	3558.8	3533.6	3533.6	3532.4
22.5°	3768.0	3766.8	3786.1	3823.3	3882.2	3906.3	3860.6	3816.1	3796.9	3795.7	3793.3
25°	4051.8	4060.2	4056.6	4091.4	4164.8	4211.7	4141.9	4098.7	4089.0	4087.8	4096.3
27.5°	4376.4	4388.4	4380.0	4380.0	4455.7	4520.7	4447.3	4412.5	4412.5	4422.1	4424.5
30°	4732.3	4735.9	4725.1	4725.1	4782.8	4845.3	4764.7	4771.9	4785.2	4818.8	4806.8
32.5°	5126.6	5121.8	5106.2	5105.0	5155.5	5216.8	5143.5	5159.1	5202.4	5242.0	5214.4
35°	5565.5	5554.6	5534.2	5522.2	5572.7	5599.1	5573.9	5610.0	5667.7	5721.8	5720.6
37.5°	6015.1	6032.0	5994.7	5981.5	5987.5	6015.1	6016.3	6084.9	6189.5	6259.2	6253.2
40°	6562.2	6550.2	6514.1	6444.4	6446.8	6454.0	6540.5	6642.7	6796.6	6851.9	6895.2
42.5°	7205.4	7216.2	7087.6	7022.7	6974.6	6996.2	7088.8	7265.5	7455.5	7536.0	7581.7
45°	8007.4	8043.4	7913.6	7769.3	7638.2	7634.6	7739.2	7938.8	8148.0	8315.1	8348.8
47.5°	9085.8	9061.8	8832.1	8526.7	8263.4	8219.0	8306.7	8590.5	8975.2	9221.7	9216.9
50°	10353.0	10268.9	9952.7	9494.6	9014.9	8952.4	9030.5	9440.5	9920.2	10236.4	10248.4
52.5°	11764.6	11703.2	11341.3	10681.3	10009.2	9772.3	9890.2	10433.6	11032.3	11413.5	11471.2
55°	13183.3	13197.7	12819.0	12055.5	11221.1	10785.9	10930.2	11544.5	12381.3	12755.3	12779.3
57.5°	14709.0	14697.0	14345.9	13601.7	12697.5	12060.3	12223.8	12980.1	13724.3	14217.3	14202.8
60°	16177.0	16125.3	15816.3	15282.5	14478.2	13720.7	13845.7	14588.8	15258.5	15669.6	15703.3
62.5°	17435.8	17438.2	17285.5	17025.8	16573.8	15984.6	15856.0	16309.3	16857.5	17136.5	17130.4
65°	19075.8	19025.3	18889.4	18752.3	18740.3	18693.4	18150.0	18187.3	18492.7	18756.0	18796.8
67.5°	19527.8	19589.2	19871.7	20531.8	21428.7	21514.0	20537.8	19685.3	19357.1	19280.2	19226.1
70°	18344.8	18362.8	19105.8	20636.4	23222.5	24157.9	22146.5	19601.2	18568.4	18183.7	18156.0
72.5°	16268.4	16371.8	17369.7	19738.2	23357.2	24275.7	22429.0	18574.4	16989.8	16269.6	16142.1
75°	13764.0	13960.0	15200.7	17827.8	22029.8	23003.7	21166.6	16780.6	14792.0	13868.6	13780.8
77.5°	9857.7	9973.1	11697.2	14930.2	19756.3	20860.0	18943.5	14099.4	11717.7	10633.2	10482.9
80°	5234.8	5655.6	7314.8	10745.0	15993.1	17737.6	15316.2	10387.9	7809.0	6532.1	6473.2
82.5°	2283.2	2433.5	3530.0	6236.4	10966.2	13313.1	10692.1	6411.9	4283.8	3288.3	3080.3
85°	948.6	990.7	1563.0	2952.9	5725.4	7331.7	5934.6	3205.3	1957.4	1327.3	1395.9
87.5°	250.1	281.3	492.9	1107.3	2083.6	2450.3	1997.0	1214.3	651.6	408.8	381.1
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)