

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: P639097

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

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639097
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
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: 63201 lumens
Efficiency: N/A
Efficacy: 151.2 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

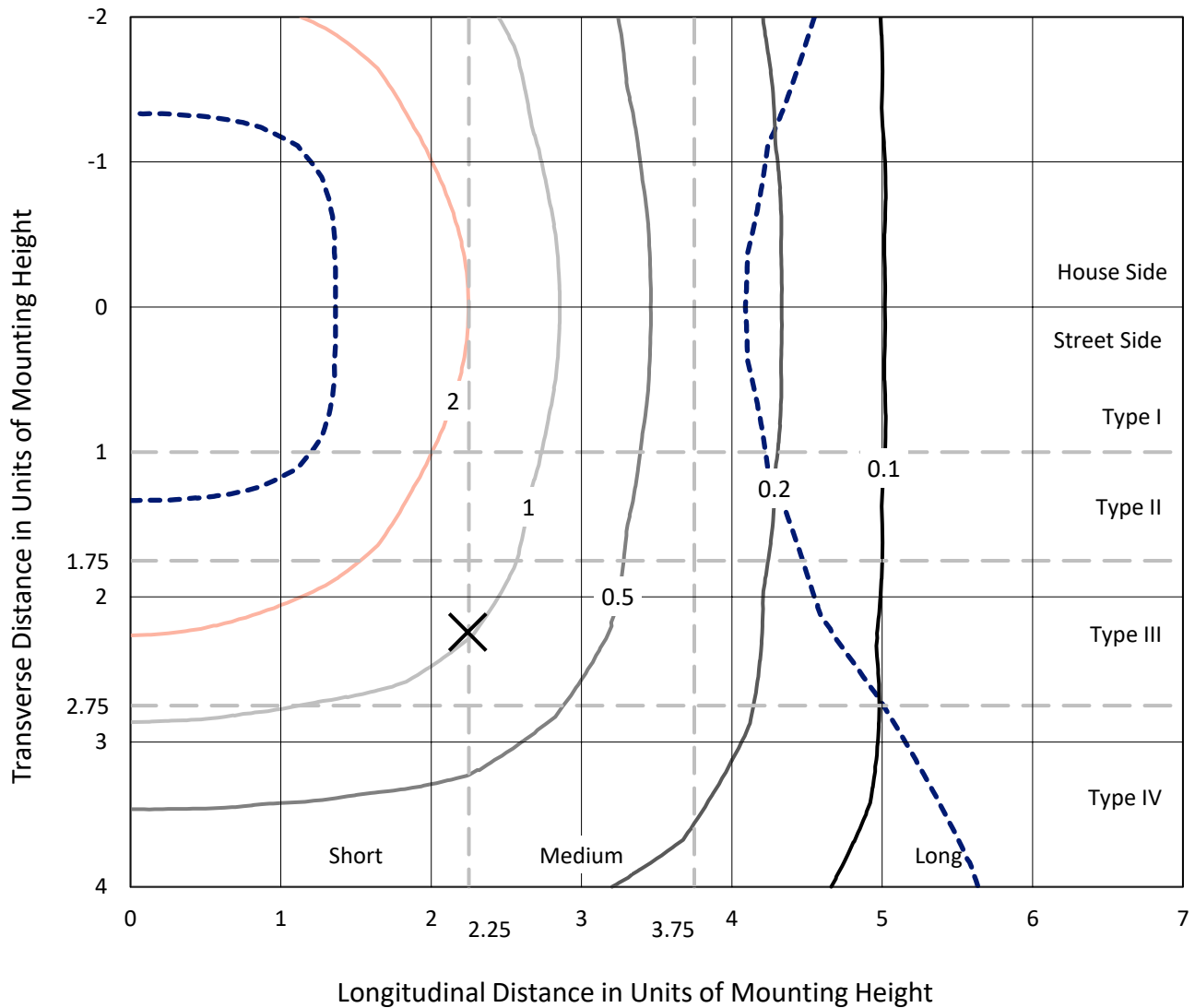


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

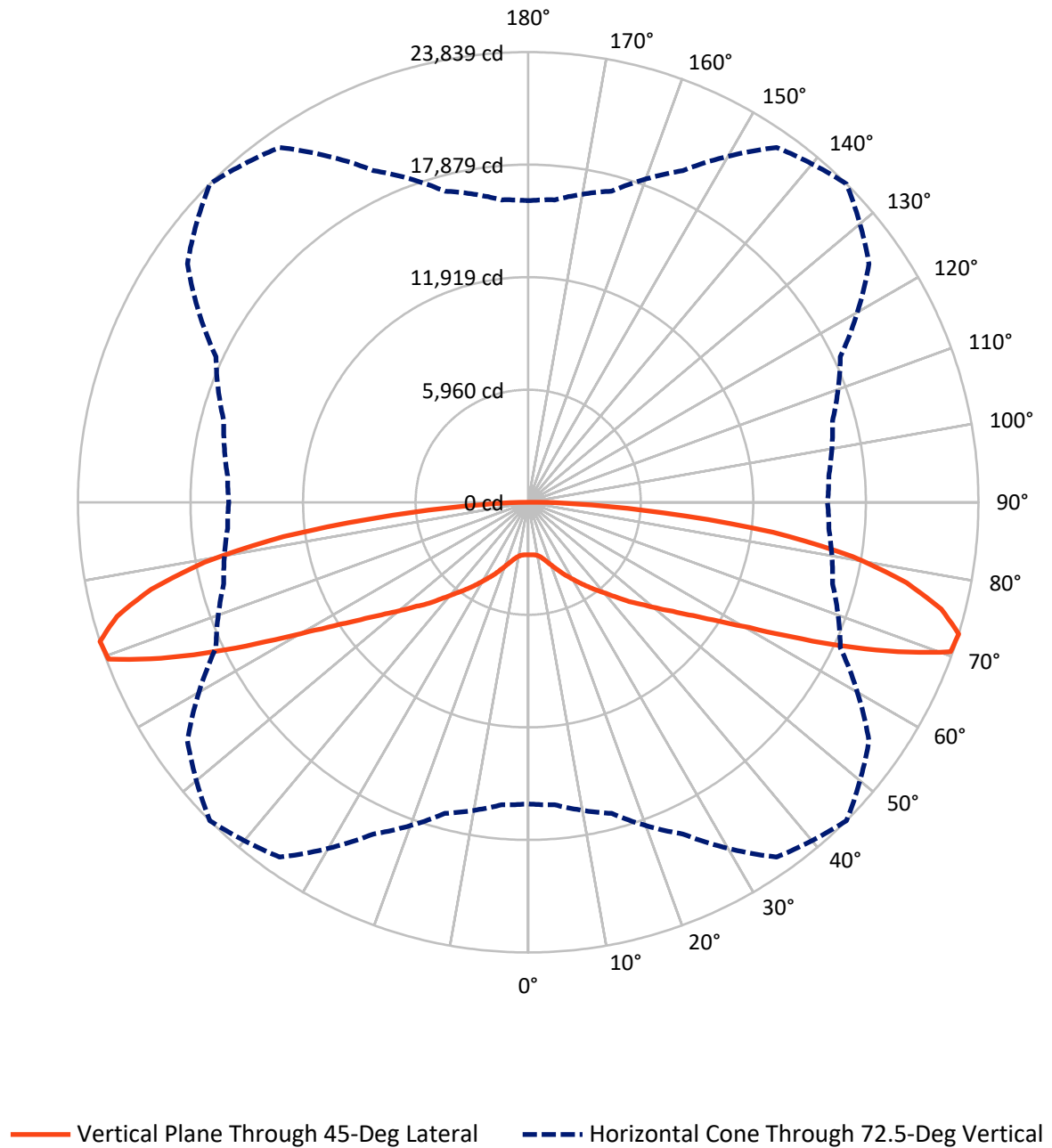


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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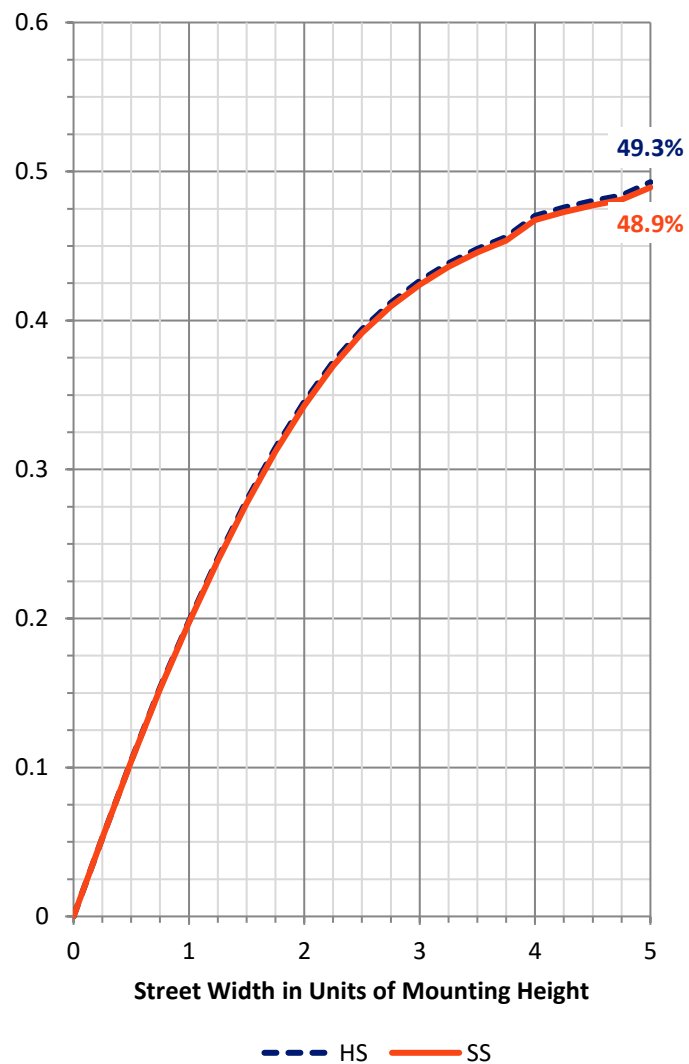
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31600.5	0.0	31600.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31600.5	0.0	31600.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	63201.0	0.0	63201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.8	0.4
10°-20°	900.7	1.4
20°-30°	1894.6	3.0
30°-40°	3491.1	5.5
40°-50°	6085.2	9.6
50°-60°	10693.6	16.9
60°-70°	17890.0	28.3
70°-80°	17483.2	27.7
80°-90°	4491.9	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°	63201.0	100.0
0°-180°	63201.0	100.0

Coefficient of Utilization



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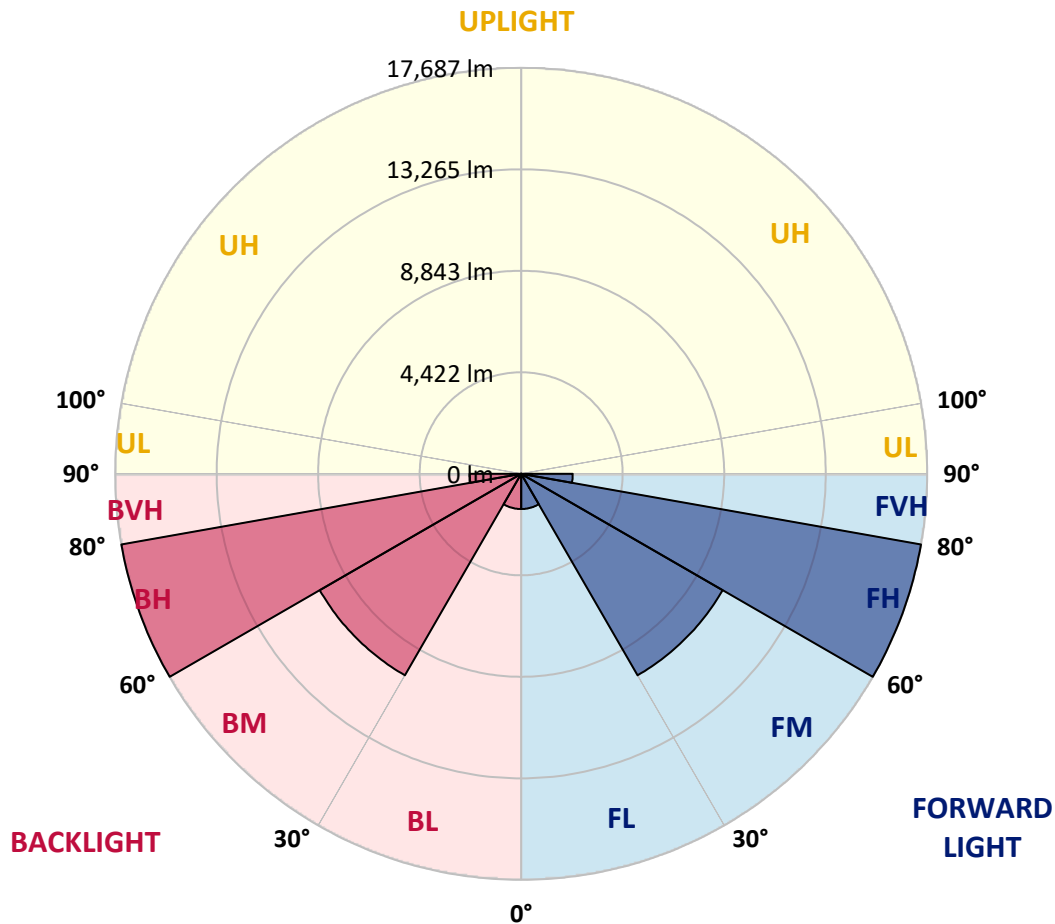
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1533.0	2.4			
FM	(30°-60°)	10134.9	16.0			
FH	(60°-80°)	17686.6	28.0			G5
FVH	(80°-90°)	2246.0	3.6			G5
BL	(0°-30°)	1533.0	2.4	B3/2500		
BM	(30°-60°)	10134.9	16.0	B5		
BH	(60°-80°)	17686.6	28.0	B5		G5
BVH	(80°-90°)	2246.0	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°	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7	2788.7
2.5°	2797.0	2798.1	2799.3	2789.9	2786.3	2778.1	2780.4	2793.4	2801.7	2807.6	2806.4
5°	2808.8	2811.1	2813.5	2806.4	2800.5	2792.2	2798.1	2811.1	2821.8	2827.7	2826.5
7.5°	2841.8	2841.8	2845.4	2837.1	2832.4	2821.8	2826.5	2840.7	2852.5	2860.7	2858.4
10°	2892.6	2898.5	2904.4	2892.6	2891.4	2879.6	2883.2	2896.1	2899.7	2905.6	2905.6
12.5°	2971.7	2975.2	2984.7	2985.9	2994.1	2981.2	2981.2	2982.3	2977.6	2970.5	2969.3
15°	3092.1	3095.7	3112.2	3124.0	3139.4	3137.0	3125.2	3116.9	3092.1	3083.9	3086.2
17.5°	3244.4	3255.1	3271.6	3294.0	3331.8	3336.5	3311.7	3288.1	3264.5	3251.5	3237.4
20°	3459.3	3464.0	3486.5	3510.1	3560.9	3567.9	3537.2	3494.7	3469.9	3469.9	3468.8
22.5°	3700.2	3699.0	3717.9	3754.5	3812.3	3835.9	3791.1	3747.4	3728.5	3727.3	3725.0
25°	3978.8	3987.1	3983.5	4017.8	4089.8	4135.8	4067.4	4024.8	4015.4	4014.2	4022.5
27.5°	4297.6	4309.4	4301.1	4301.1	4375.5	4439.3	4367.2	4333.0	4333.0	4342.4	4344.8
30°	4647.1	4650.6	4640.0	4640.0	4696.6	4758.0	4678.9	4686.0	4699.0	4732.1	4720.3
32.5°	5034.3	5029.6	5014.2	5013.1	5062.6	5122.9	5050.8	5066.2	5108.7	5147.6	5120.5
35°	5465.2	5454.6	5434.5	5422.7	5472.3	5498.3	5473.5	5508.9	5565.6	5618.7	5617.6
37.5°	5906.8	5923.3	5886.7	5873.8	5879.7	5906.8	5908.0	5975.3	6078.0	6146.5	6140.6
40°	6444.0	6432.2	6396.8	6328.3	6330.7	6337.7	6422.8	6523.1	6674.2	6728.5	6771.0
42.5°	7075.7	7086.3	6960.0	6896.2	6849.0	6870.2	6961.1	7134.7	7321.2	7400.3	7445.2
45°	7863.2	7898.6	7771.1	7629.4	7500.7	7497.2	7599.9	7795.9	8001.3	8165.4	8198.5
47.5°	8922.2	8898.6	8673.1	8373.2	8114.6	8070.9	8157.1	8435.8	8813.6	9055.6	9050.9
50°	10166.6	10084.0	9773.5	9323.6	8852.5	8791.1	8867.9	9270.5	9741.6	10052.1	10063.9
52.5°	11552.7	11492.5	11137.1	10488.9	9828.9	9596.4	9712.1	10245.7	10833.7	11207.9	11264.6
55°	12945.9	12960.0	12588.1	11838.4	11019.0	10591.6	10733.3	11336.6	12158.4	12525.6	12549.2
57.5°	14444.1	14432.3	14087.6	13356.7	12468.9	11843.1	12003.7	12746.3	13477.2	13961.2	13947.1
60°	15885.7	15834.9	15531.5	15007.3	14217.4	13473.6	13596.4	14326.1	14983.7	15387.5	15420.5
62.5°	17121.8	17124.2	16974.3	16719.2	16275.3	15696.8	15570.5	16015.6	16553.9	16827.9	16822.0
65°	18732.3	18682.7	18549.2	18414.7	18402.8	18356.8	17823.1	17859.7	18159.6	18418.2	18458.3
67.5°	19176.2	19236.4	19513.8	20162.0	21042.8	21126.6	20167.9	19330.8	19008.5	18933.0	18879.8
70°	18014.4	18032.1	18761.8	20264.7	22804.3	23722.9	21747.6	19248.2	18234.0	17856.2	17829.1
72.5°	15975.4	16077.0	17056.9	19382.8	22936.6	23838.6	22025.1	18239.9	16683.8	15976.6	15851.5
75°	13516.1	13708.6	14927.0	17506.7	21633.1	22589.4	20785.4	16478.4	14525.6	13618.8	13532.7
77.5°	9680.2	9793.5	11486.6	14661.4	19400.5	20484.3	18602.4	13845.5	11506.7	10441.7	10294.1
80°	5140.6	5553.8	7183.1	10551.5	15705.1	17418.2	15040.3	10200.8	7668.3	6414.5	6356.6
82.5°	2242.1	2389.6	3466.4	6124.1	10768.7	13073.4	10499.6	6296.4	4206.7	3229.1	3024.8
85°	931.5	972.9	1534.8	2899.7	5622.3	7199.6	5827.7	3147.6	1922.1	1303.4	1370.7
87.5°	245.6	276.3	484.1	1087.4	2046.1	2406.2	1961.1	1192.5	639.9	401.4	374.3
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)