

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: P639136

Luminaire Tested: **USSL-M-C099-D-U-T5-BZ-7030**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639136
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-C099-D-U-T5-BZ-7030
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71455 lumens
Efficiency: N/A
Efficacy: 146.8 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): 486.6
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



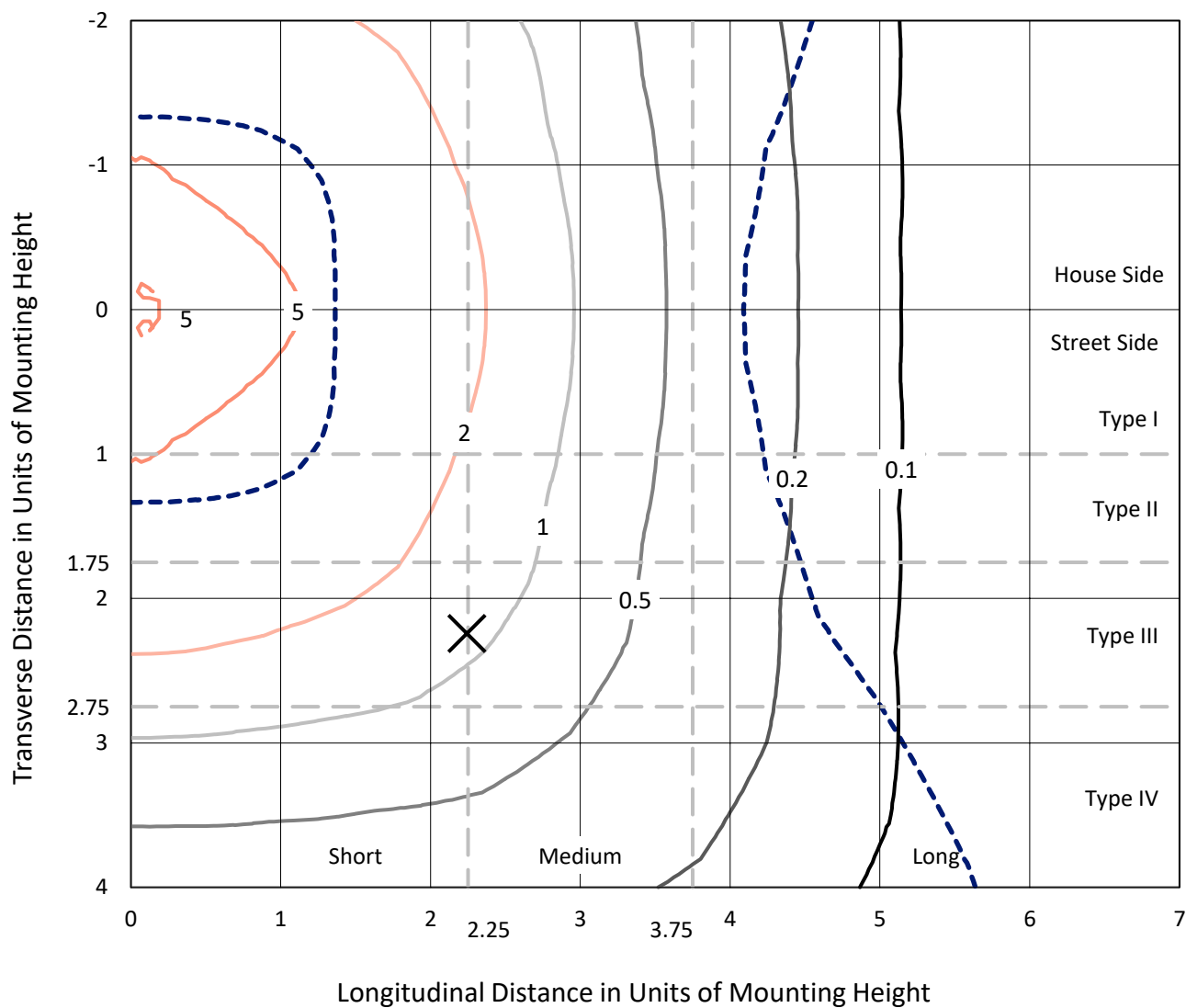
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

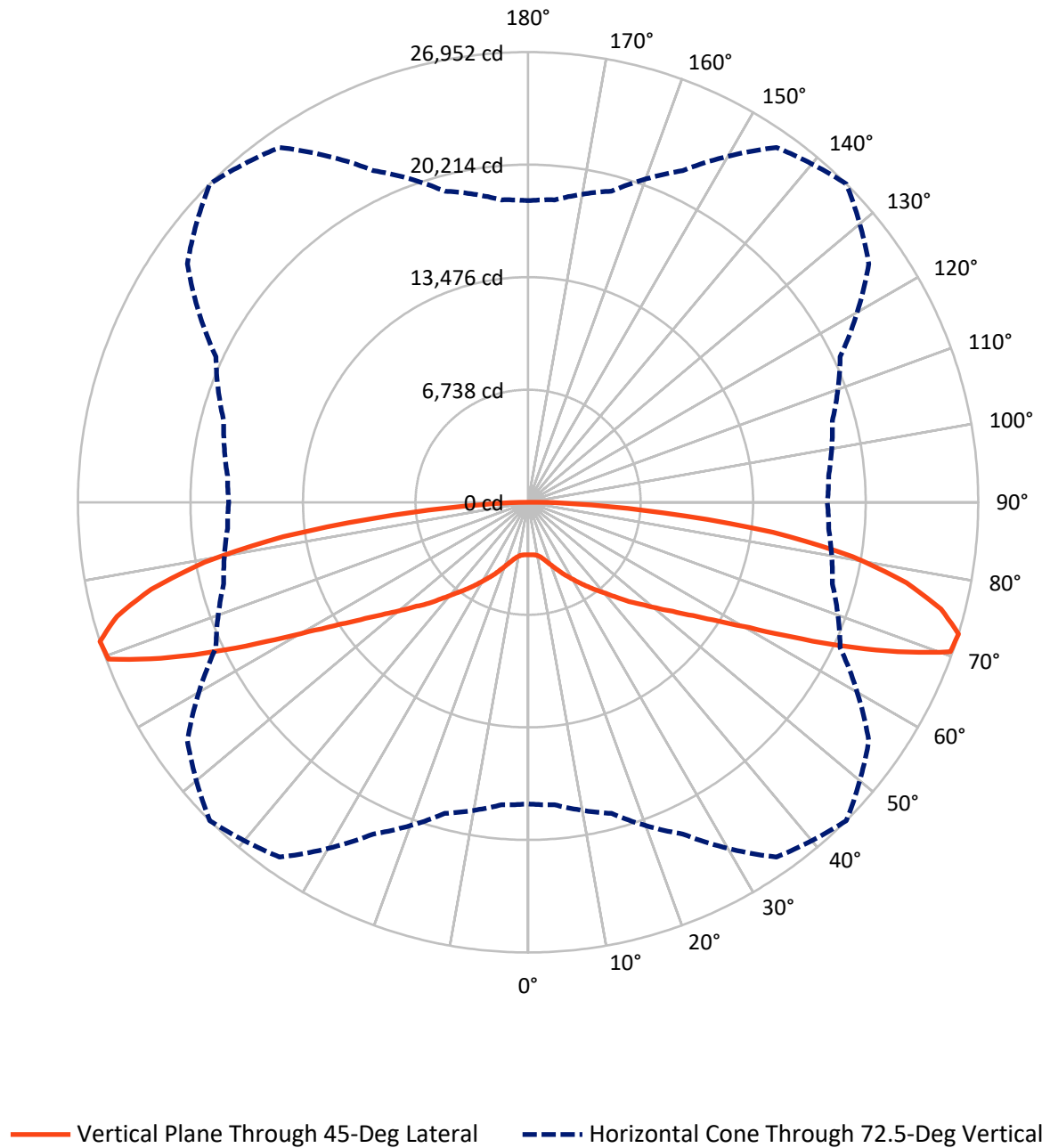


Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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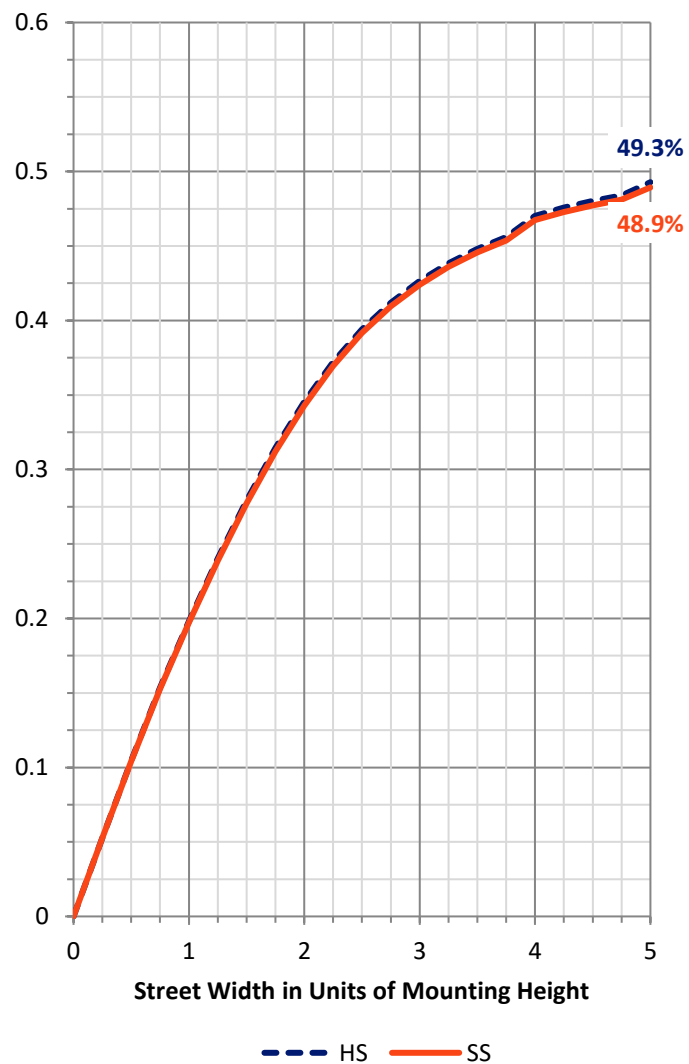
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35727.5	0.0	35727.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35727.5	0.0	35727.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71455.0	0.0	71455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.1	0.4
10°-20°	1018.3	1.4
20°-30°	2142.1	3.0
30°-40°	3947.0	5.5
40°-50°	6879.9	9.6
50°-60°	12090.2	16.9
60°-70°	20226.4	28.3
70°-80°	19766.5	27.7
80°-90°	5078.6	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°	71455.0	100.0
0°-180°	71455.0	100.0

Coefficient of Utilization



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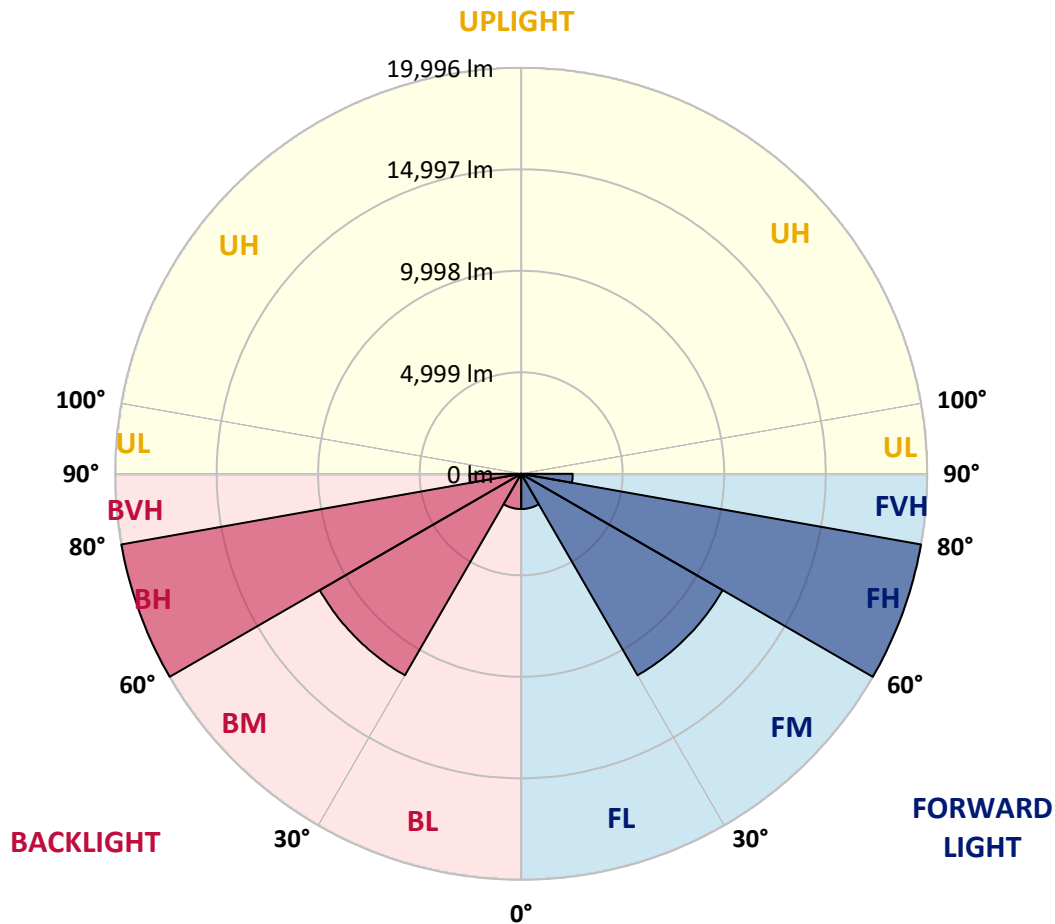
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1733.2	2.4			
FM	(30°-60°)	11458.6	16.0			
FH	(60°-80°)	19996.4	28.0			G5
FVH	(80°-90°)	2539.3	3.6			G5
BL	(0°-30°)	1733.2	2.4	B3/2500		
BM	(30°-60°)	11458.6	16.0	B5		
BH	(60°-80°)	19996.4	28.0	B5		G5
BVH	(80°-90°)	2539.3	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°	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9	3152.9
2.5°	3162.3	3163.6	3164.9	3154.2	3150.2	3140.9	3143.6	3158.2	3167.6	3174.3	3172.9
5°	3175.6	3178.3	3180.9	3172.9	3166.3	3156.9	3163.6	3178.3	3190.3	3197.0	3195.6
7.5°	3213.0	3213.0	3217.0	3207.6	3202.3	3190.3	3195.6	3211.6	3225.0	3234.3	3231.7
10°	3270.4	3277.0	3283.7	3270.4	3269.0	3255.7	3259.7	3274.4	3278.4	3285.1	3285.1
12.5°	3359.8	3363.8	3374.5	3375.8	3385.2	3370.5	3370.5	3371.8	3366.5	3358.5	3357.1
15°	3496.0	3500.0	3518.7	3532.0	3549.4	3546.7	3533.3	3524.0	3496.0	3486.6	3489.3
17.5°	3668.2	3680.2	3698.9	3724.2	3766.9	3772.3	3744.2	3717.5	3690.8	3676.2	3660.1
20°	3911.1	3916.4	3941.8	3968.5	4025.9	4033.9	3999.2	3951.1	3923.1	3923.1	3921.8
22.5°	4183.4	4182.1	4203.4	4244.8	4310.2	4336.9	4286.2	4236.8	4215.4	4214.1	4211.4
25°	4498.4	4507.8	4503.8	4542.5	4623.9	4676.0	4598.5	4550.5	4539.8	4538.5	4547.8
27.5°	4858.8	4872.2	4862.8	4862.8	4946.9	5019.0	4937.6	4898.9	4898.9	4909.6	4912.2
30°	5254.0	5258.0	5245.9	5245.9	5310.0	5379.4	5290.0	5298.0	5312.7	5350.1	5336.7
32.5°	5691.8	5686.4	5669.1	5667.8	5723.8	5791.9	5710.5	5727.8	5775.9	5819.9	5789.2
35°	6179.0	6167.0	6144.3	6130.9	6187.0	6216.4	6188.3	6228.4	6292.5	6352.5	6351.2
37.5°	6678.2	6696.9	6655.5	6640.9	6647.5	6678.2	6679.6	6755.7	6871.8	6949.2	6942.5
40°	7285.6	7272.2	7232.2	7154.8	7157.4	7165.5	7261.6	7375.0	7545.9	7607.3	7655.3
42.5°	7999.7	8011.7	7868.9	7796.8	7743.4	7767.5	7870.3	8066.5	8277.4	8366.8	8417.5
45°	8890.1	8930.1	8786.0	8625.8	8480.3	8476.3	8592.4	8814.0	9046.3	9231.8	9269.2
47.5°	10087.4	10060.7	9805.8	9466.7	9174.4	9125.0	9222.5	9537.5	9964.6	10238.3	10232.9
50°	11494.4	11400.9	11049.9	10541.3	10008.7	9939.3	10026.0	10481.2	11013.8	11364.9	11378.2
52.5°	13061.5	12993.4	12591.6	11858.8	11112.6	10849.6	10980.4	11583.8	12248.5	12671.7	12735.8
55°	14636.6	14652.6	14232.1	13384.5	12458.1	11974.9	12135.1	12817.2	13746.2	14161.4	14188.1
57.5°	16330.5	16317.2	15927.4	15101.1	14097.3	13389.8	13571.4	14411.0	15237.3	15784.6	15768.5
60°	17960.4	17903.0	17559.9	16967.2	16074.2	15233.3	15372.1	16197.0	16940.5	17397.0	17434.4
62.5°	19357.9	19360.6	19191.1	18902.8	18400.9	17746.8	17603.9	18107.2	18715.9	19025.6	19018.9
65°	21178.7	21122.6	20971.8	20819.6	20806.2	20754.2	20150.8	20192.2	20531.3	20823.6	20869.0
67.5°	21680.6	21748.6	22062.3	22795.2	23791.0	23885.7	22801.8	21855.4	21491.0	21405.6	21345.5
70°	20367.1	20387.1	21212.0	22911.3	25782.6	26821.1	24587.9	21762.0	20615.4	20188.2	20157.5
72.5°	18061.8	18176.6	19284.5	21914.2	25932.1	26951.9	24901.6	20622.0	18862.7	18063.1	17921.6
75°	15281.3	15498.9	16876.5	19793.1	24458.4	25539.6	23500.0	18630.4	16422.6	15397.4	15300.0
77.5°	10944.4	11072.5	12986.7	16576.1	21934.2	23159.6	21031.8	15653.7	13009.4	11805.4	11638.5
80°	5811.9	6279.1	8121.2	11929.5	17756.1	19693.0	17004.6	11533.1	8669.8	7252.2	7186.8
82.5°	2534.9	2701.7	3919.1	6923.8	12175.1	14780.8	11870.8	7118.7	4756.1	3650.8	3419.9
85°	1053.2	1099.9	1735.3	3278.4	6356.5	8139.9	6588.8	3558.7	2173.1	1473.7	1549.8
87.5°	277.6	312.4	547.3	1229.4	2313.3	2720.4	2217.2	1348.2	723.5	453.8	423.1
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)