

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: P639137

Luminaire Tested: **USSL-M-C099-D-U-T5-BZ-7050**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639137
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-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: 74108 lumens
Efficiency: N/A
Efficacy: 152.3 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

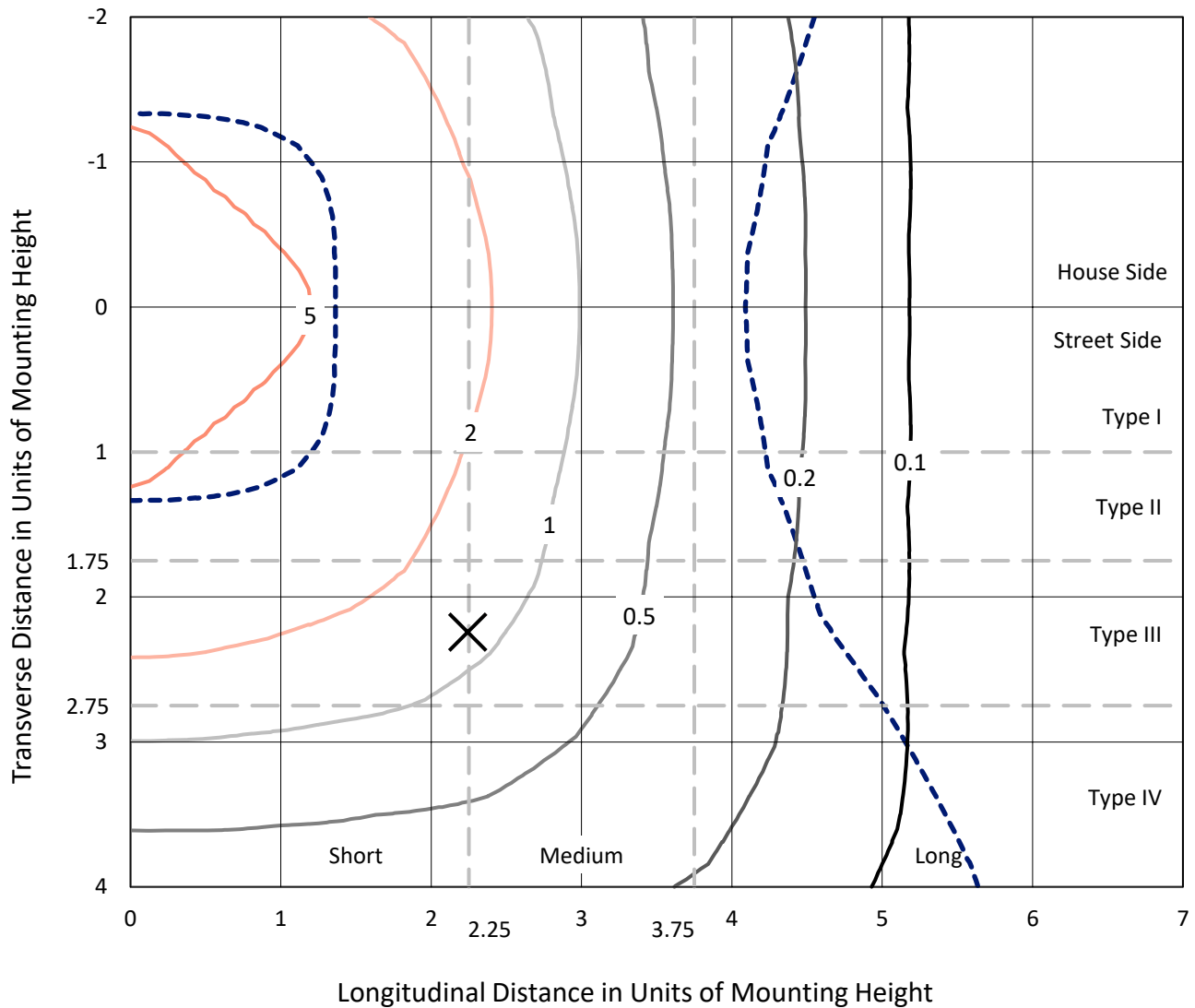


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

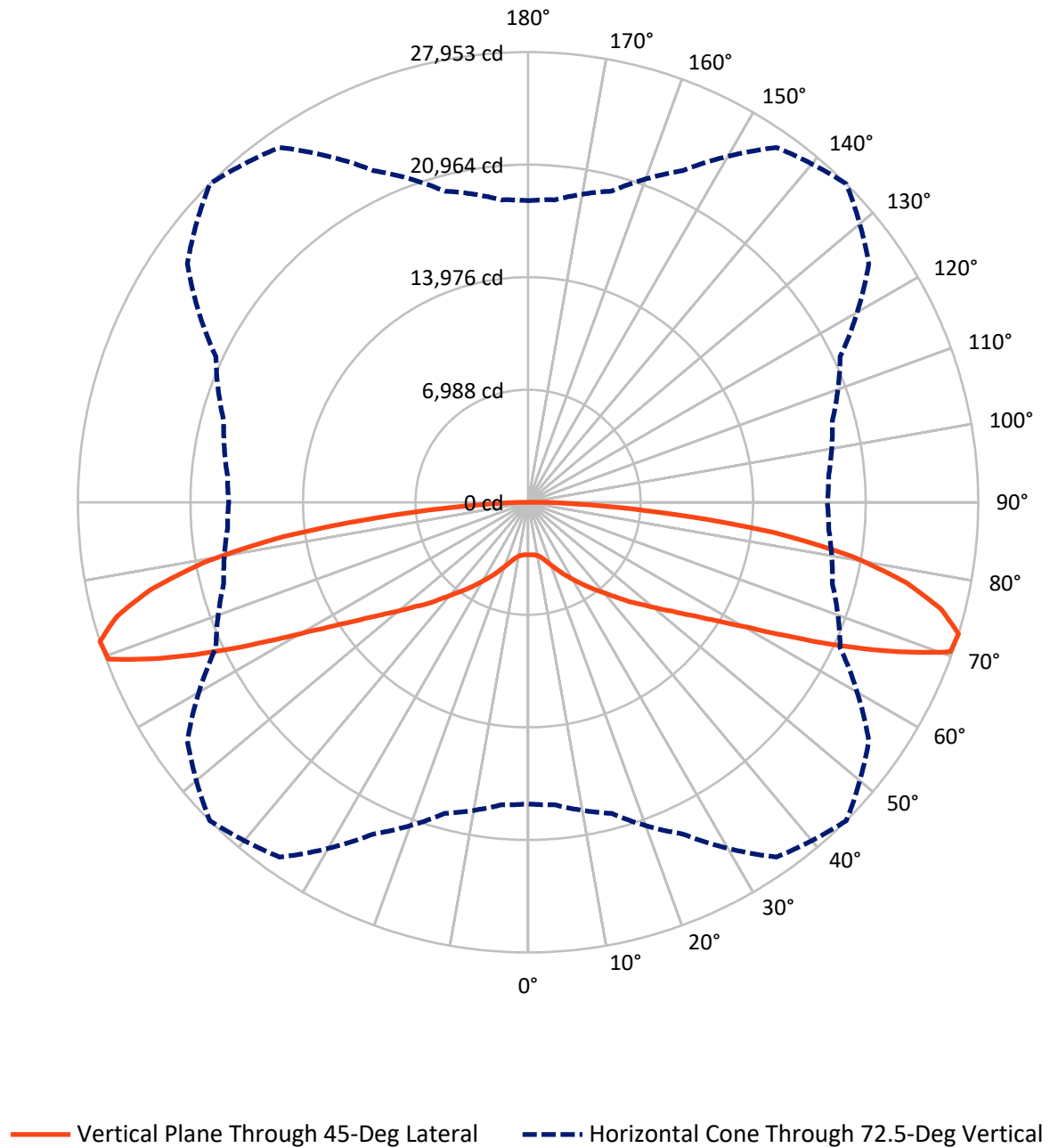


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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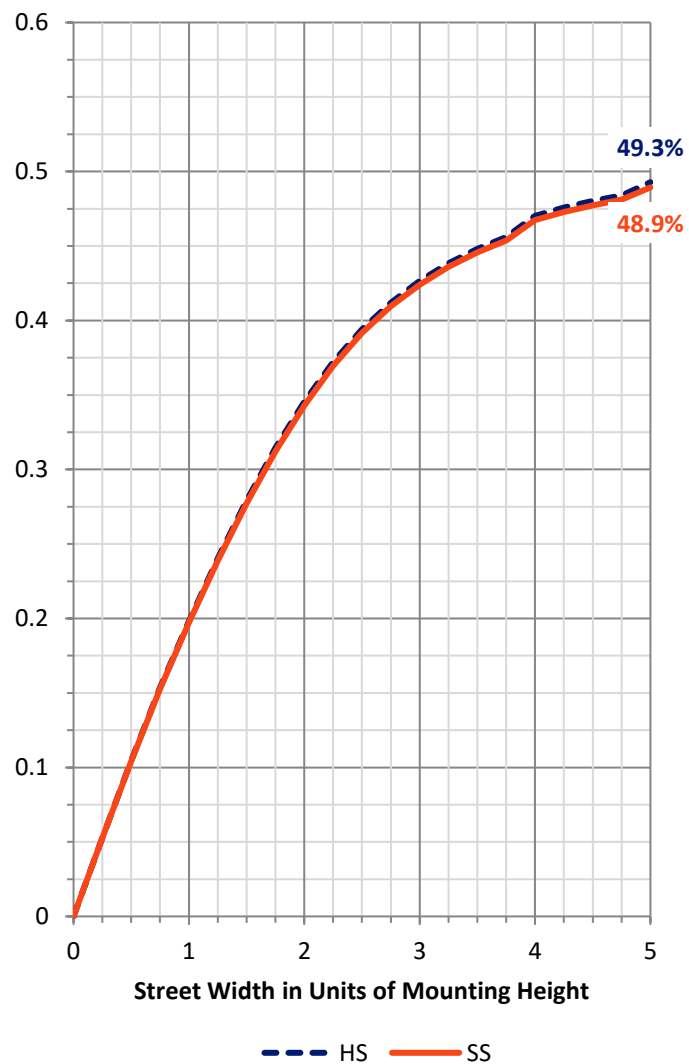
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37054.0	0.0	37054.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37054.0	0.0	37054.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	74108.0	0.0	74108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.5	0.4
10°-20°	1056.1	1.4
20°-30°	2221.6	3.0
30°-40°	4093.5	5.5
40°-50°	7135.4	9.6
50°-60°	12539.1	16.9
60°-70°	20977.3	28.3
70°-80°	20500.4	27.7
80°-90°	5267.1	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°	74108.0	100.0
0°-180°	74108.0	100.0

Coefficient of Utilization



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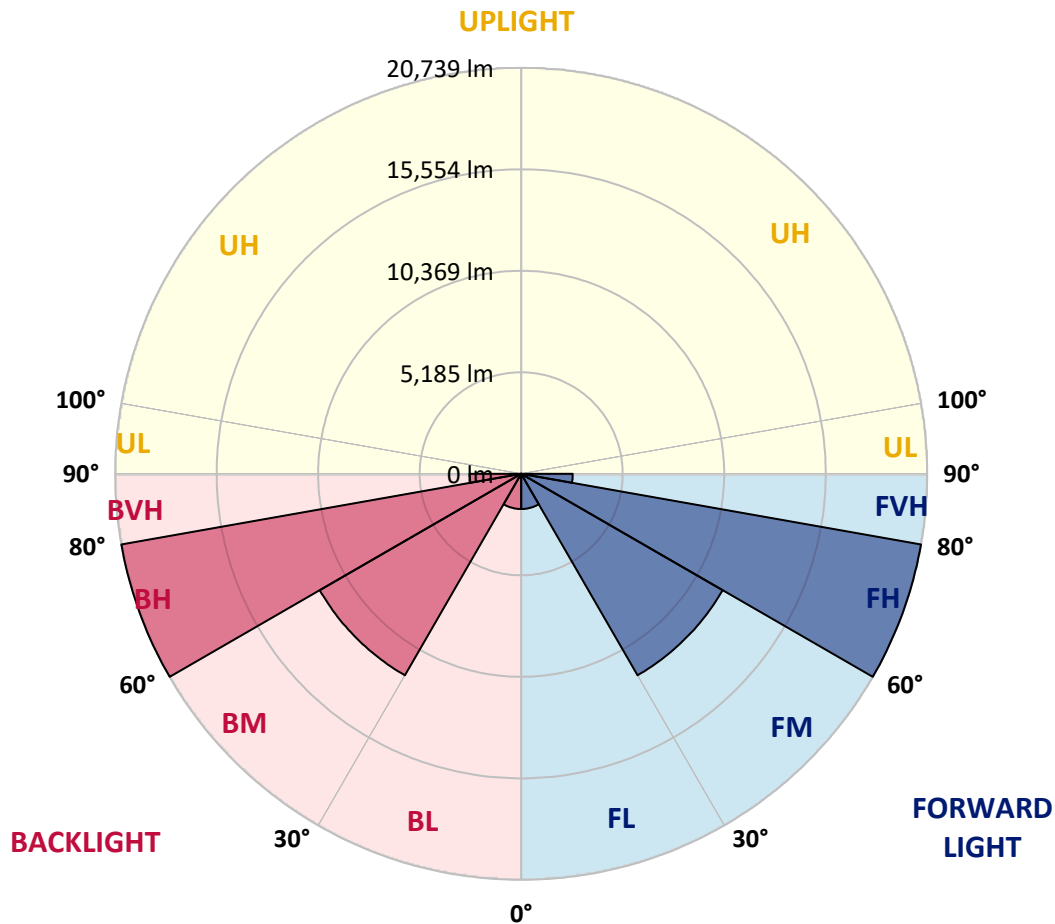
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1797.6	2.4			
FM	(30°-60°)	11884.0	16.0			
FH	(60°-80°)	20738.9	28.0			G5
FVH	(80°-90°)	2633.6	3.6			G5
BL	(0°-30°)	1797.6	2.4	B3/2500		
BM	(30°-60°)	11884.0	16.0	B5		
BH	(60°-80°)	20738.9	28.0	B5		G5
BVH	(80°-90°)	2633.6	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°	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0	3270.0
2.5°	3279.7	3281.0	3282.4	3271.4	3267.2	3257.5	3260.3	3275.5	3285.2	3292.1	3290.7
5°	3293.5	3296.3	3299.0	3290.7	3283.8	3274.1	3281.0	3296.3	3308.7	3315.7	3314.3
7.5°	3332.3	3332.3	3336.4	3326.7	3321.2	3308.7	3314.3	3330.9	3344.7	3354.4	3351.6
10°	3391.8	3398.7	3405.6	3391.8	3390.4	3376.6	3380.7	3395.9	3400.1	3407.0	3407.0
12.5°	3484.6	3488.7	3499.8	3501.2	3510.9	3495.6	3495.6	3497.0	3491.5	3483.2	3481.8
15°	3625.8	3629.9	3649.3	3663.1	3681.1	3678.4	3664.5	3654.8	3625.8	3616.1	3618.8
17.5°	3804.3	3816.8	3836.2	3862.5	3906.8	3912.3	3883.3	3855.6	3827.9	3812.7	3796.0
20°	4056.3	4061.8	4088.2	4115.8	4175.4	4183.7	4147.7	4097.8	4068.8	4068.8	4067.4
22.5°	4338.7	4337.3	4359.5	4402.4	4470.2	4497.9	4445.3	4394.1	4372.0	4370.6	4367.8
25°	4665.5	4675.1	4671.0	4711.1	4795.6	4849.6	4769.3	4719.4	4708.4	4707.0	4716.7
27.5°	5039.2	5053.1	5043.4	5043.4	5130.6	5205.4	5120.9	5080.8	5080.8	5091.8	5094.6
30°	5449.0	5453.2	5440.7	5440.7	5507.2	5579.2	5486.4	5494.7	5509.9	5548.7	5534.9
32.5°	5903.1	5897.6	5879.6	5878.2	5936.3	6006.9	5922.5	5940.5	5990.3	6036.0	6004.2
35°	6408.4	6396.0	6372.4	6358.6	6416.7	6447.2	6418.1	6459.6	6526.1	6588.4	6587.0
37.5°	6926.2	6945.6	6902.7	6887.4	6894.3	6926.2	6927.6	7006.5	7126.9	7207.2	7200.3
40°	7556.1	7542.2	7500.7	7420.4	7423.2	7431.5	7531.2	7648.8	7826.1	7889.7	7939.6
42.5°	8296.7	8309.2	8161.1	8086.3	8030.9	8055.9	8162.5	8366.0	8584.7	8677.5	8730.1
45°	9220.1	9261.7	9112.2	8946.0	8795.1	8791.0	8911.4	9141.2	9382.1	9574.6	9613.3
47.5°	10462.0	10434.3	10169.9	9818.2	9515.0	9463.8	9564.9	9891.6	10334.6	10618.4	10612.9
50°	11921.1	11824.2	11460.1	10932.7	10380.3	10308.3	10398.3	10870.4	11422.7	11786.8	11800.7
52.5°	13546.4	13475.8	13059.1	12299.1	11525.2	11252.5	11388.1	12013.9	12703.3	13142.2	13208.6
55°	15180.0	15196.6	14760.5	13881.4	12920.7	12419.5	12585.6	13293.1	14256.6	14687.2	14714.9
57.5°	16936.8	16923.0	16518.7	15661.8	14620.7	13887.0	14075.3	14946.1	15803.0	16370.6	16354.0
60°	18627.2	18567.7	18211.9	17597.2	16671.0	15798.8	15942.8	16798.4	17569.5	18043.0	18081.7
62.5°	20076.7	20079.4	19903.6	19604.6	19084.0	18405.7	18257.6	18779.5	19410.8	19731.9	19725.0
65°	21965.0	21906.8	21750.4	21592.6	21578.7	21524.8	20899.0	20941.9	21293.6	21596.7	21643.8
67.5°	22485.5	22556.1	22881.5	23641.5	24674.3	24772.6	23648.4	22666.9	22288.9	22200.3	22138.0
70°	21123.3	21144.0	21999.6	23762.0	26739.8	27816.9	25500.8	22570.0	21380.8	20937.8	20905.9
72.5°	18732.4	18851.5	20000.5	22727.8	26894.9	27952.6	25826.1	21387.7	19563.0	18733.8	18587.0
75°	15848.7	16074.3	17503.1	20528.0	25366.5	26487.9	24372.5	19322.2	17032.4	15969.1	15868.1
77.5°	11350.7	11483.7	13468.9	17191.6	22748.6	24019.5	21812.7	16234.9	13492.4	12243.7	12070.6
80°	6027.7	6512.2	8422.7	12372.4	18415.4	20424.2	17636.0	11961.3	8991.7	7521.5	7453.6
82.5°	2629.0	2802.0	4064.6	7180.9	12627.2	15329.5	12311.5	7383.0	4932.6	3786.4	3546.8
85°	1092.3	1140.8	1799.7	3400.1	6592.5	8442.1	6833.4	3690.8	2253.8	1528.4	1607.3
87.5°	288.0	324.0	567.6	1275.0	2399.2	2821.4	2299.5	1398.3	750.3	470.7	438.9
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)