

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: P639139

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

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P639139  
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  
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**

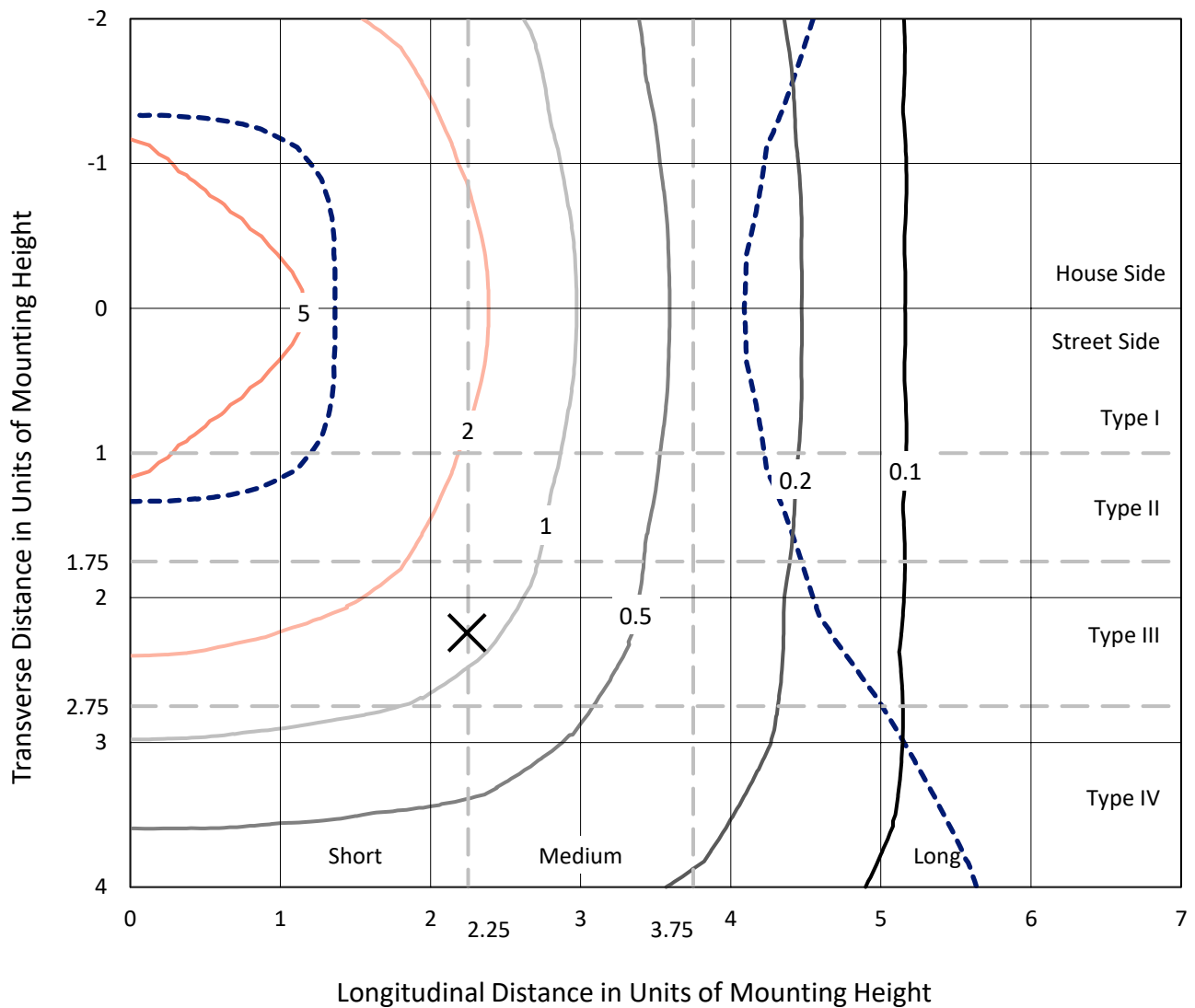
Lumens per Lamp: N/A  
Luminaire Lumens: 72773 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 486.6  
Input Voltage (V): NR  
Input Current (Ain): 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

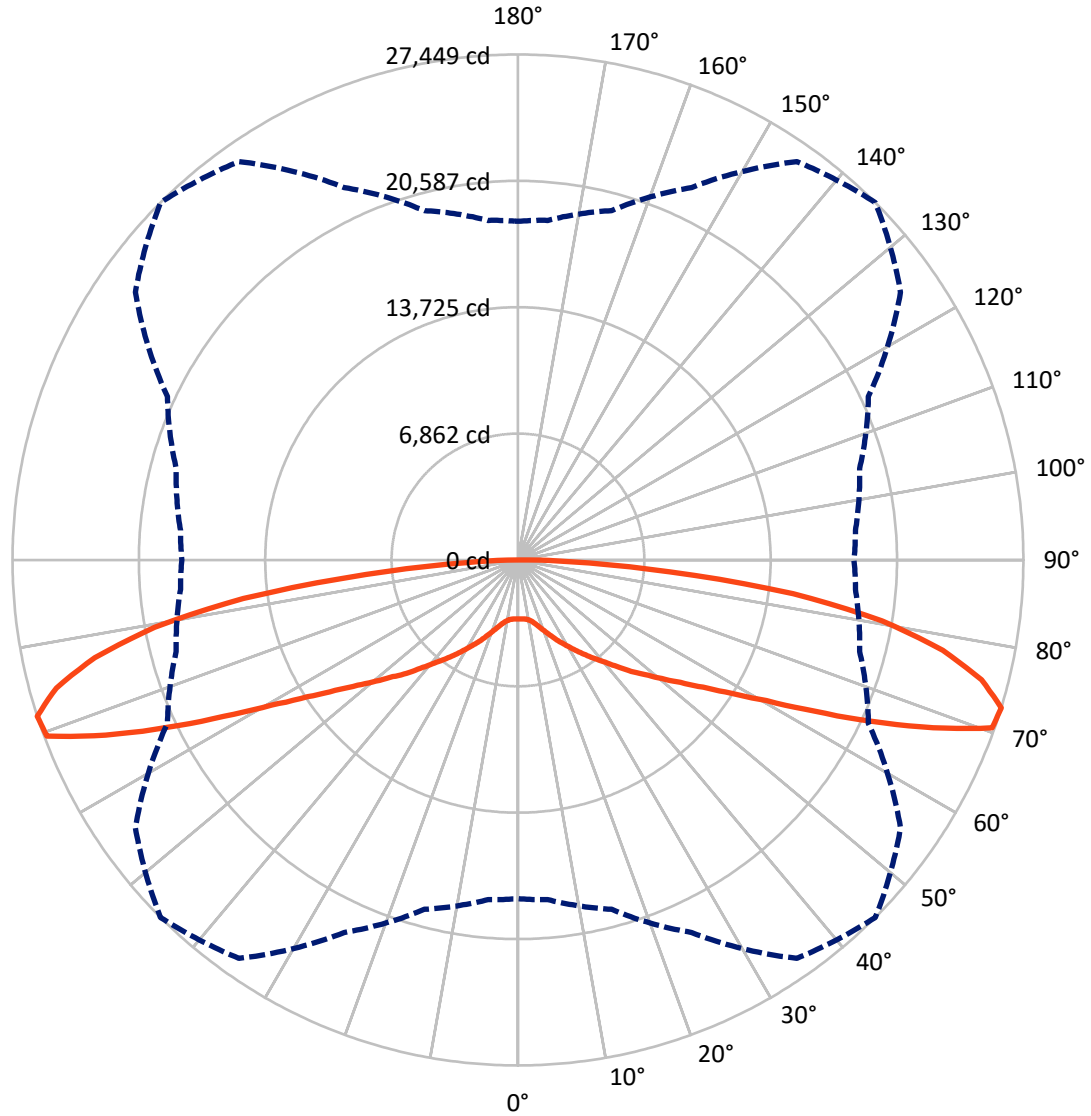
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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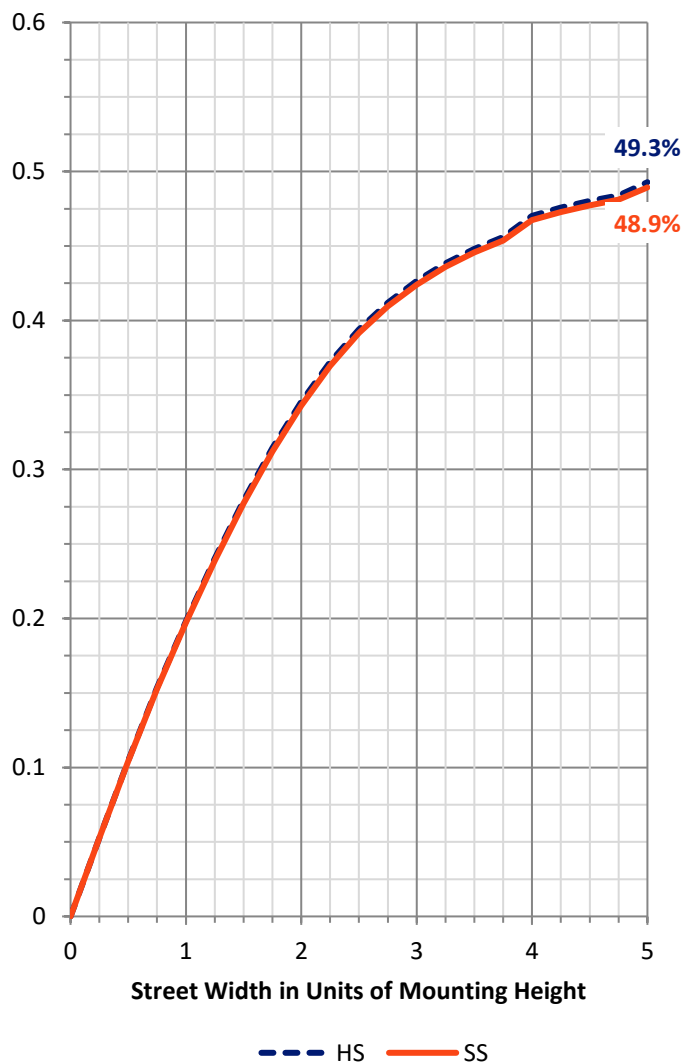
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	36386.5	0.0	36386.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36386.5	0.0	36386.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	72773.0	0.0	72773.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.8	0.4
10°-20°	1037.1	1.4
20°-30°	2181.6	3.0
30°-40°	4019.8	5.5
40°-50°	7006.8	9.6
50°-60°	12313.2	16.9
60°-70°	20599.5	28.3
70°-80°	20131.1	27.7
80°-90°	5172.2	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°	72773.0	100.0
0°-180°	72773.0	100.0

**Coefficient of Utilization**



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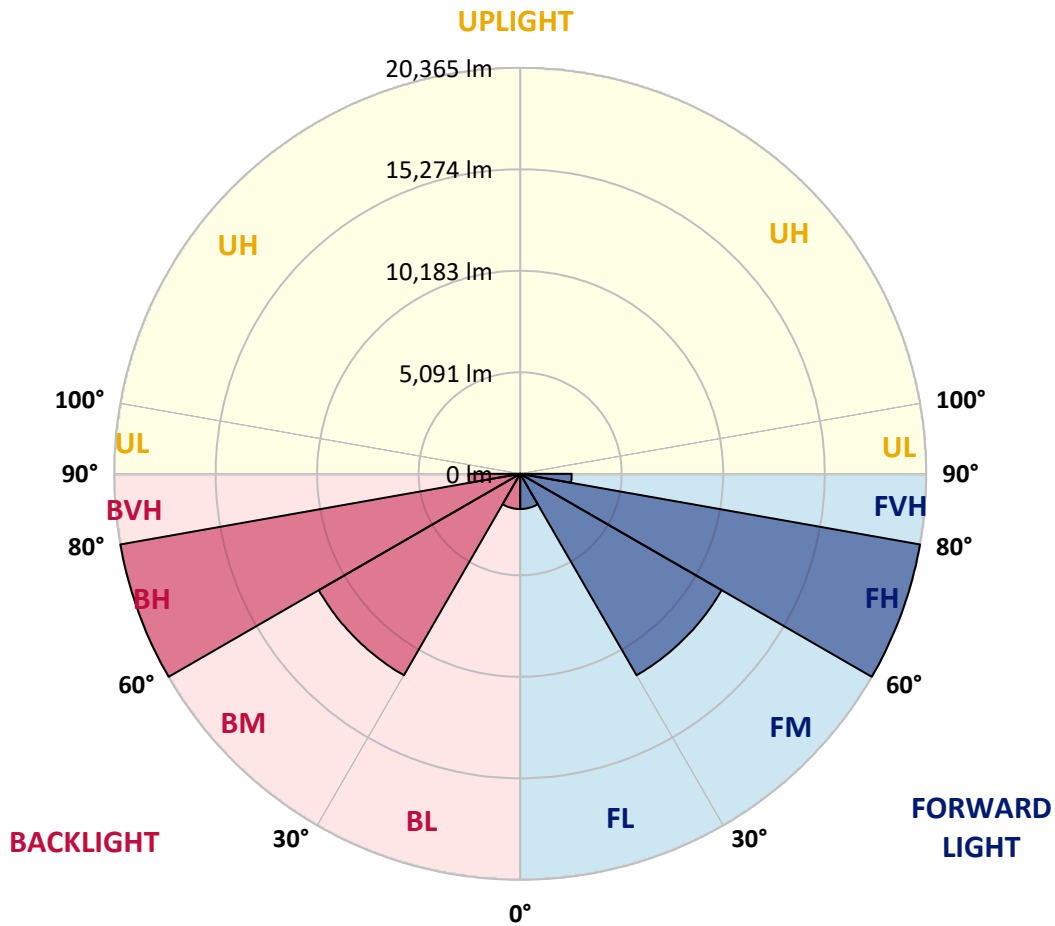
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.2	2.4			
FM (30°-60°)	11669.9	16.0			
FH (60°-80°)	20365.3	28.0			G5
FVH (80°-90°)	2586.1	3.6			G5
BL (0°-30°)	1765.2	2.4	B3/2500		
BM (30°-60°)	11669.9	16.0	B5		
BH (60°-80°)	20365.3	28.0	B5		G5
BVH (80°-90°)	2586.1	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°	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1	3211.1
2.5°	3220.6	3221.9	3223.3	3212.4	3208.3	3198.8	3201.5	3216.5	3226.0	3232.8	3231.5
5°	3234.2	3236.9	3239.6	3231.5	3224.7	3215.1	3221.9	3236.9	3249.1	3255.9	3254.6
7.5°	3272.2	3272.2	3276.3	3266.8	3261.4	3249.1	3254.6	3270.9	3284.5	3294.0	3291.3
10°	3330.7	3337.5	3344.3	3330.7	3329.3	3315.7	3319.8	3334.8	3338.9	3345.6	3345.6
12.5°	3421.8	3425.9	3436.7	3438.1	3447.6	3432.7	3432.7	3434.0	3428.6	3420.4	3419.1
15°	3560.4	3564.5	3583.6	3597.2	3614.8	3612.1	3598.5	3589.0	3560.4	3550.9	3553.6
17.5°	3735.8	3748.1	3767.1	3792.9	3836.4	3841.9	3813.3	3786.1	3758.9	3744.0	3727.7
20°	3983.2	3988.7	4014.5	4041.7	4100.2	4108.3	4073.0	4024.0	3995.5	3995.5	3994.1
22.5°	4260.6	4259.2	4281.0	4323.1	4389.7	4416.9	4365.3	4314.9	4293.2	4291.8	4289.1
25°	4581.4	4590.9	4586.8	4626.3	4709.2	4762.2	4683.4	4634.4	4623.5	4622.2	4631.7
27.5°	4948.5	4962.1	4952.5	4952.5	5038.2	5111.6	5028.7	4989.2	4989.2	5000.1	5002.8
30°	5350.9	5354.9	5342.7	5342.7	5408.0	5478.7	5387.6	5395.7	5410.7	5448.7	5435.2
32.5°	5796.8	5791.3	5773.7	5772.3	5829.4	5898.7	5815.8	5833.5	5882.4	5927.3	5896.0
35°	6293.0	6280.7	6257.6	6244.0	6301.1	6331.0	6302.5	6343.3	6408.5	6469.7	6468.3
37.5°	6801.4	6820.4	6778.3	6763.4	6770.1	6801.4	6802.8	6880.3	6998.5	7077.4	7070.6
40°	7420.0	7406.4	7365.6	7286.7	7289.5	7297.6	7395.5	7511.1	7685.1	7747.6	7796.5
42.5°	8147.3	8159.5	8014.1	7940.6	7886.3	7910.7	8015.4	8215.3	8430.1	8521.1	8572.8
45°	9054.1	9094.8	8948.0	8784.9	8636.7	8632.6	8750.9	8976.6	9213.1	9402.1	9440.1
47.5°	10273.5	10246.3	9986.6	9641.3	9343.6	9293.3	9392.6	9713.4	10148.4	10427.1	10421.7
50°	11706.4	11611.2	11253.7	10735.7	10193.3	10122.6	10211.0	10674.5	11217.0	11574.5	11588.1
52.5°	13302.4	13233.1	12823.9	12077.5	11317.6	11049.8	11183.0	11797.5	12474.5	12905.4	12970.7
55°	14906.6	14922.9	14494.6	13631.4	12687.9	12195.8	12358.9	13053.6	13999.8	14422.6	14449.8
57.5°	16631.7	16618.1	16221.2	15379.7	14357.3	13636.8	13821.7	14676.8	15518.3	16075.7	16059.4
60°	18291.6	18233.2	17883.8	17280.2	16370.7	15514.2	15655.6	16495.8	17253.0	17717.9	17756.0
62.5°	19715.0	19717.7	19545.1	19251.4	18740.3	18074.1	17928.7	18441.2	19061.1	19376.5	19369.7
65°	21569.3	21512.2	21358.6	21203.6	21190.0	21137.0	20522.5	20564.7	20910.0	21207.7	21253.9
67.5°	22080.5	22149.8	22469.3	23215.6	24229.8	24326.3	23222.4	22258.6	21887.4	21800.4	21739.2
70°	20742.8	20763.1	21603.3	23333.9	26258.1	27315.8	25041.4	22163.4	20995.6	20560.6	20529.3
72.5°	18395.0	18511.9	19640.2	22318.4	26410.4	27449.0	25360.9	21002.4	19210.6	18396.3	18252.2
75°	15563.2	15784.8	17187.7	20158.2	24909.5	26010.7	23933.4	18974.1	16725.5	15681.5	15582.2
77.5°	11146.3	11276.8	13226.3	16881.9	22338.8	23586.8	21419.8	15942.5	13249.4	12023.1	11853.2
80°	5919.1	6394.9	8271.0	12149.6	18083.6	20056.2	17318.3	11745.8	8829.7	7386.0	7319.4
82.5°	2581.6	2751.6	3991.4	7051.6	12399.7	15053.4	12089.7	7250.0	4843.8	3718.1	3483.0
85°	1072.6	1120.2	1767.3	3338.9	6473.8	8290.0	6710.3	3624.3	2213.2	1500.9	1578.3
87.5°	282.8	318.1	557.4	1252.1	2356.0	2770.6	2258.1	1373.1	736.8	462.2	431.0
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)