

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: P639266

Luminaire Tested: **USSL-M-PA6B-750-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6B-750-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54285 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G5

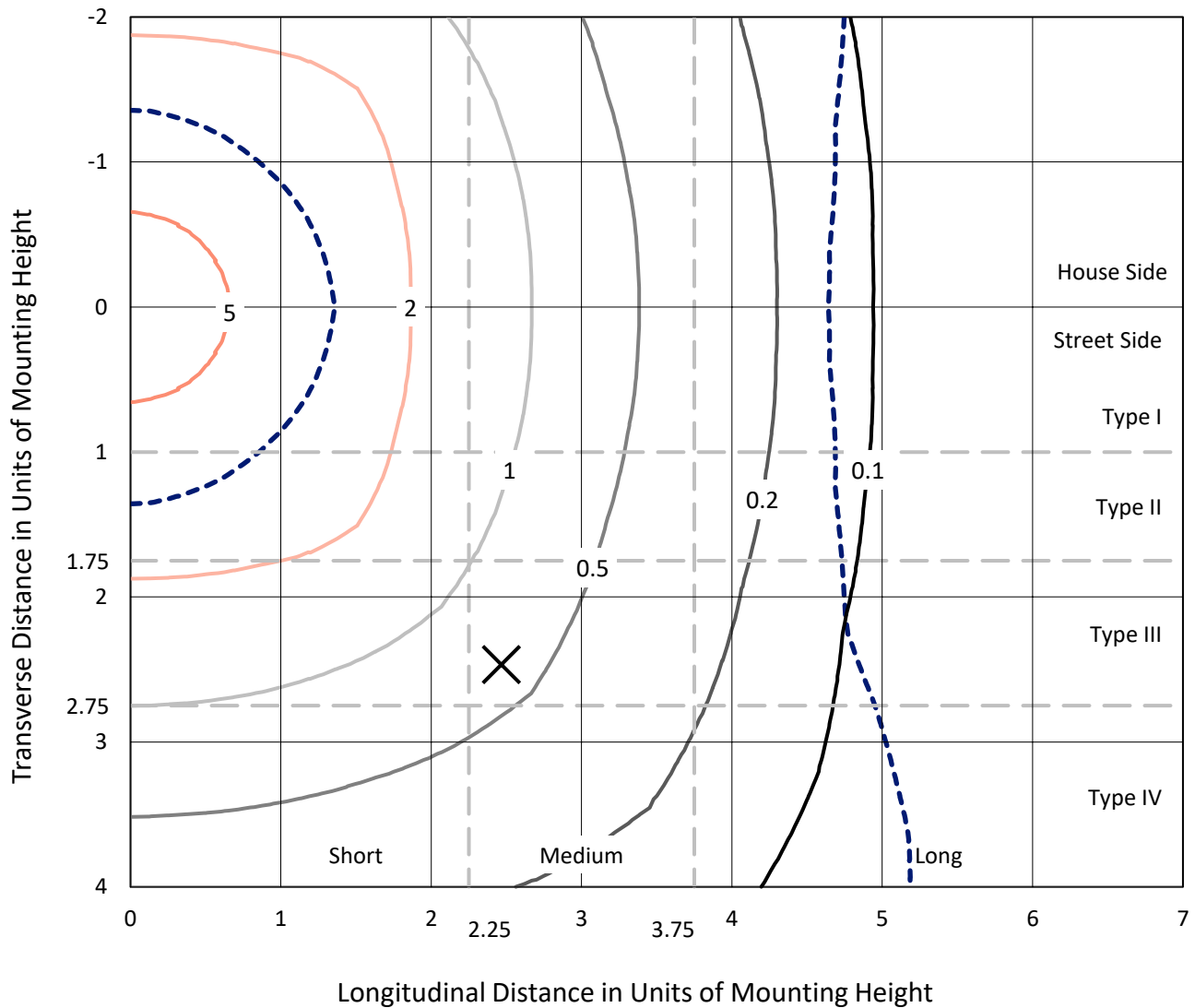
Input Watts (W): 365.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

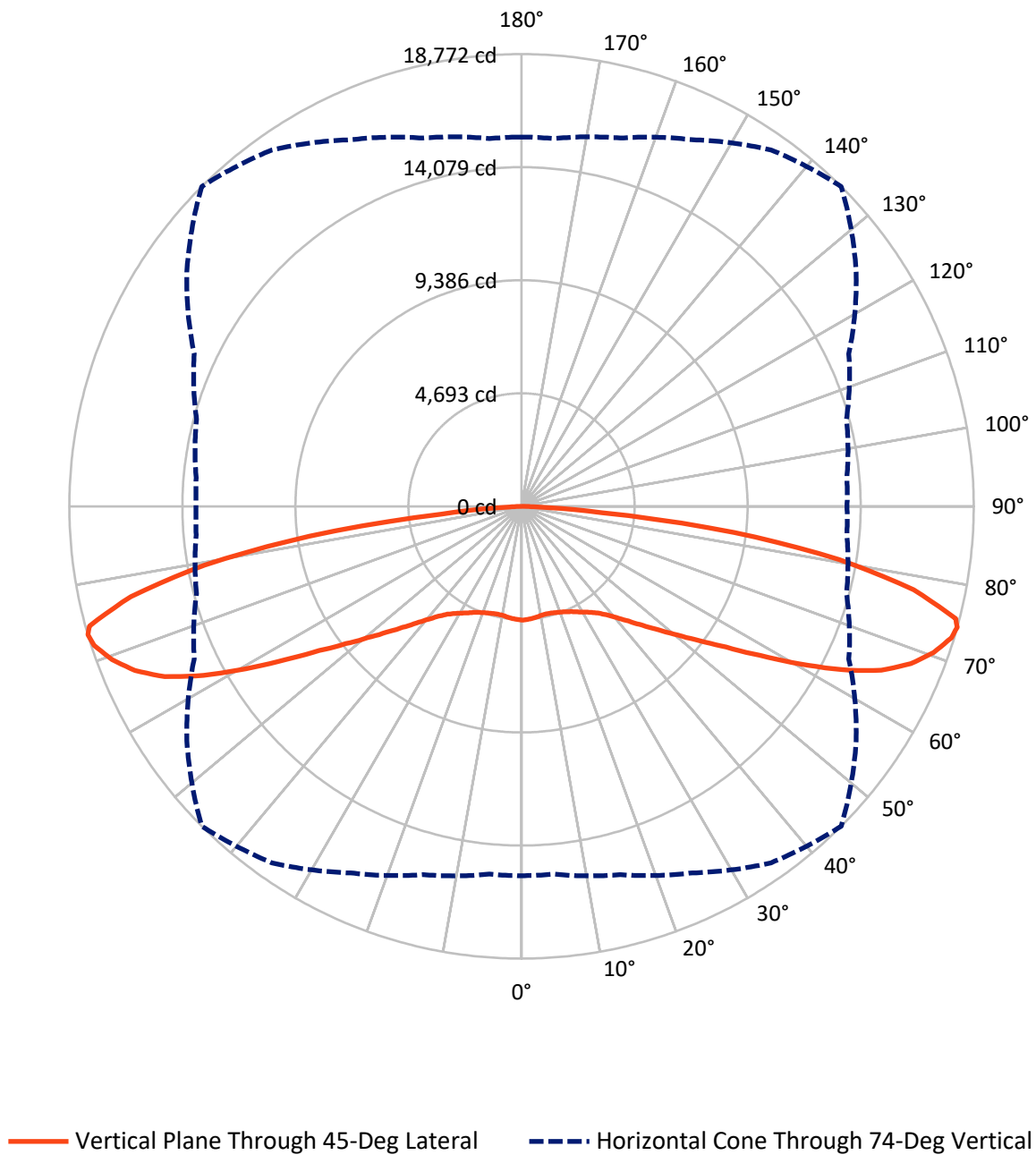
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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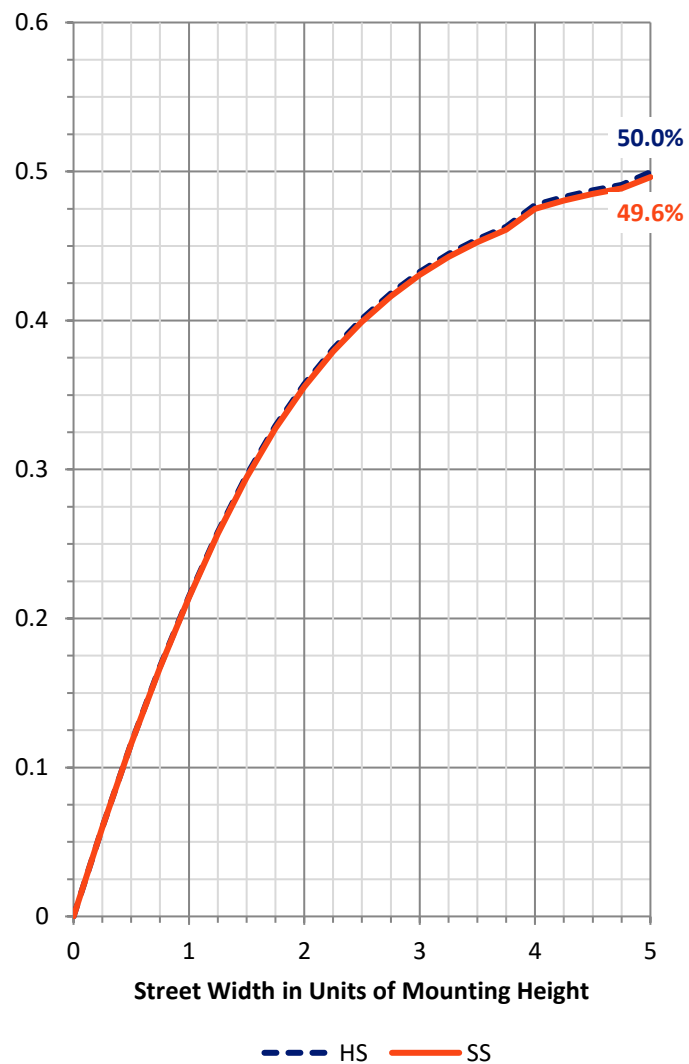
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27142.5	0.0	27142.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27142.5	0.0	27142.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54285.0	0.0	54285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.3	0.8
10°-20°	1317.7	2.4
20°-30°	2263.5	4.2
30°-40°	3482.7	6.4
40°-50°	5582.5	10.3
50°-60°	9115.1	16.8
60°-70°	14213.2	26.2
70°-80°	15160.5	27.9
80°-90°	2705.4	5.0
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°	54285.0	100.0
0°-180°	54285.0	100.0

Coefficient of Utilization



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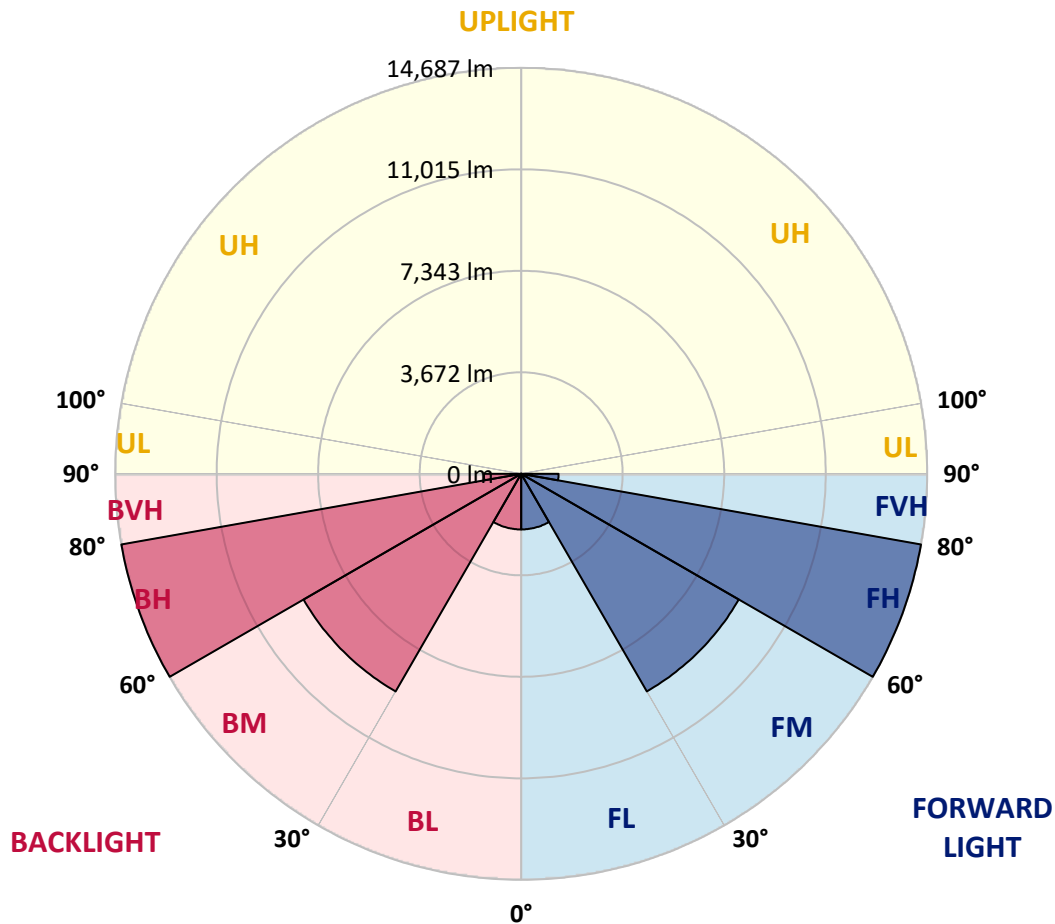
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2012.8	3.7			
FM	(30°-60°)	9090.2	16.7			
FH	(60°-80°)	14686.8	27.1			G5
FVH	(80°-90°)	1352.7	2.5			G5
BL	(0°-30°)	2012.8	3.7	B3/2500		
BM	(30°-60°)	9090.2	16.7	B5		
BH	(60°-80°)	14686.8	27.1	B5		G5
BVH	(80°-90°)	1352.7	2.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6	4723.6
2.5°	4718.5	4726.1	4719.8	4708.4	4703.3	4699.5	4702.1	4709.7	4718.5	4722.3	4718.5
5°	4670.5	4676.8	4674.3	4667.9	4670.5	4671.7	4676.8	4686.9	4694.5	4697.0	4697.0
7.5°	4614.9	4621.2	4622.4	4619.9	4630.0	4633.8	4641.4	4651.5	4660.4	4666.7	4667.9
10°	4602.2	4602.2	4598.4	4590.8	4593.4	4595.9	4606.0	4623.7	4641.4	4650.3	4655.3
12.5°	4623.7	4623.7	4611.1	4592.1	4582.0	4580.7	4590.8	4616.1	4646.5	4665.4	4665.4
15°	4661.6	4657.8	4640.1	4616.1	4602.2	4595.9	4603.5	4628.8	4666.7	4692.0	4694.5
17.5°	4694.5	4694.5	4676.8	4651.5	4636.3	4633.8	4635.1	4655.3	4694.5	4724.8	4731.1
20°	4731.1	4732.4	4716.0	4693.2	4683.1	4681.8	4685.6	4697.0	4732.4	4765.3	4771.6
22.5°	4794.3	4793.1	4774.1	4750.1	4746.3	4748.8	4751.4	4760.2	4795.6	4831.0	4828.5
25°	4881.6	4886.6	4862.6	4839.8	4838.6	4841.1	4843.6	4855.0	4890.4	4925.8	4923.3
27.5°	4987.7	4994.1	4967.5	4949.8	4954.9	4963.7	4959.9	4965.0	4990.3	5026.9	5019.3
30°	5111.6	5104.0	5088.9	5083.8	5092.6	5092.6	5087.6	5086.3	5102.8	5136.9	5128.0
32.5°	5267.1	5263.3	5244.3	5240.5	5246.9	5240.5	5238.0	5244.3	5264.6	5298.7	5293.6
35°	5499.7	5490.8	5466.8	5449.1	5447.8	5432.7	5439.0	5463.0	5500.9	5530.0	5530.0
37.5°	5773.9	5790.4	5765.1	5732.2	5710.7	5701.9	5712.0	5752.5	5813.1	5842.2	5842.2
40°	6174.6	6179.7	6144.3	6105.1	6081.1	6065.9	6077.3	6124.1	6203.7	6241.6	6223.9
42.5°	6637.3	6637.3	6604.4	6553.8	6515.9	6512.1	6522.2	6576.6	6662.5	6701.7	6677.7
45°	7208.6	7169.4	7139.1	7082.2	7043.0	7044.3	7055.6	7108.7	7184.6	7240.2	7213.6
47.5°	7800.1	7769.8	7743.3	7680.1	7657.3	7659.8	7668.7	7724.3	7786.2	7855.7	7831.7
50°	8419.5	8409.4	8411.9	8368.9	8384.1	8394.2	8390.4	8423.3	8472.6	8506.7	8462.5
52.5°	9066.7	9059.1	9134.9	9150.1	9229.7	9260.1	9223.4	9196.9	9188.0	9132.4	9069.2
55°	9753.0	9750.5	9909.7	10029.8	10238.4	10309.2	10218.2	10061.4	9937.6	9801.0	9737.8
57.5°	10535.4	10550.6	10752.8	11027.1	11460.7	11673.0	11417.7	11037.2	10771.8	10555.7	10489.9
60°	11378.5	11377.2	11680.6	12123.0	12862.4	13275.8	12765.1	12085.1	11659.1	11355.8	11266.0
62.5°	12179.9	12183.7	12551.5	13206.3	14311.0	14939.2	14075.9	13049.5	12492.1	12118.0	12040.8
65°	13212.6	13208.8	13537.4	14245.3	15609.1	16414.3	15296.9	14059.5	13385.7	12978.7	12877.6
67.5°	14591.6	14551.1	14855.8	15495.4	16683.5	17431.8	16363.7	15073.2	14345.1	13962.1	13886.3
70°	15677.4	15695.1	16099.5	16744.2	17602.4	18151.0	17096.8	15897.3	15136.4	14690.2	14608.0
72.5°	15811.4	15805.0	16286.6	17155.0	18146.0	18657.9	17329.4	15740.6	14720.5	14226.3	14165.6
74°	15329.8	15323.5	15826.5	16788.4	18061.3	18771.6	16957.8	14992.3	13967.2	13556.4	13509.6
75°	14767.3	14642.2	15243.8	16289.1	17744.0	18613.6	16401.6	14360.3	13440.1	13033.1	12980.0
77.5°	10948.8	10736.4	11831.0	13794.0	15839.2	16641.8	14457.6	12178.6	10931.1	10146.1	10033.6
80°	5427.6	5263.3	6398.4	8913.7	11693.2	13385.7	11231.9	8089.6	6368.0	5317.6	5183.7
82.5°	1312.0	1332.3	2007.2	3660.5	6365.5	8897.3	6591.8	3506.3	2320.7	1662.2	1505.4
85°	318.5	322.3	585.2	901.2	2098.2	3347.1	2153.9	1027.6	817.8	615.6	600.4
87.5°	91.0	97.3	195.9	236.4	365.3	494.2	480.3	466.4	476.5	342.5	286.9
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)