

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: P639239

Luminaire Tested: **USSL-M-PA6B-730-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639239
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-730-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49438 lumens
Efficiency: N/A
Efficacy: 135.2 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

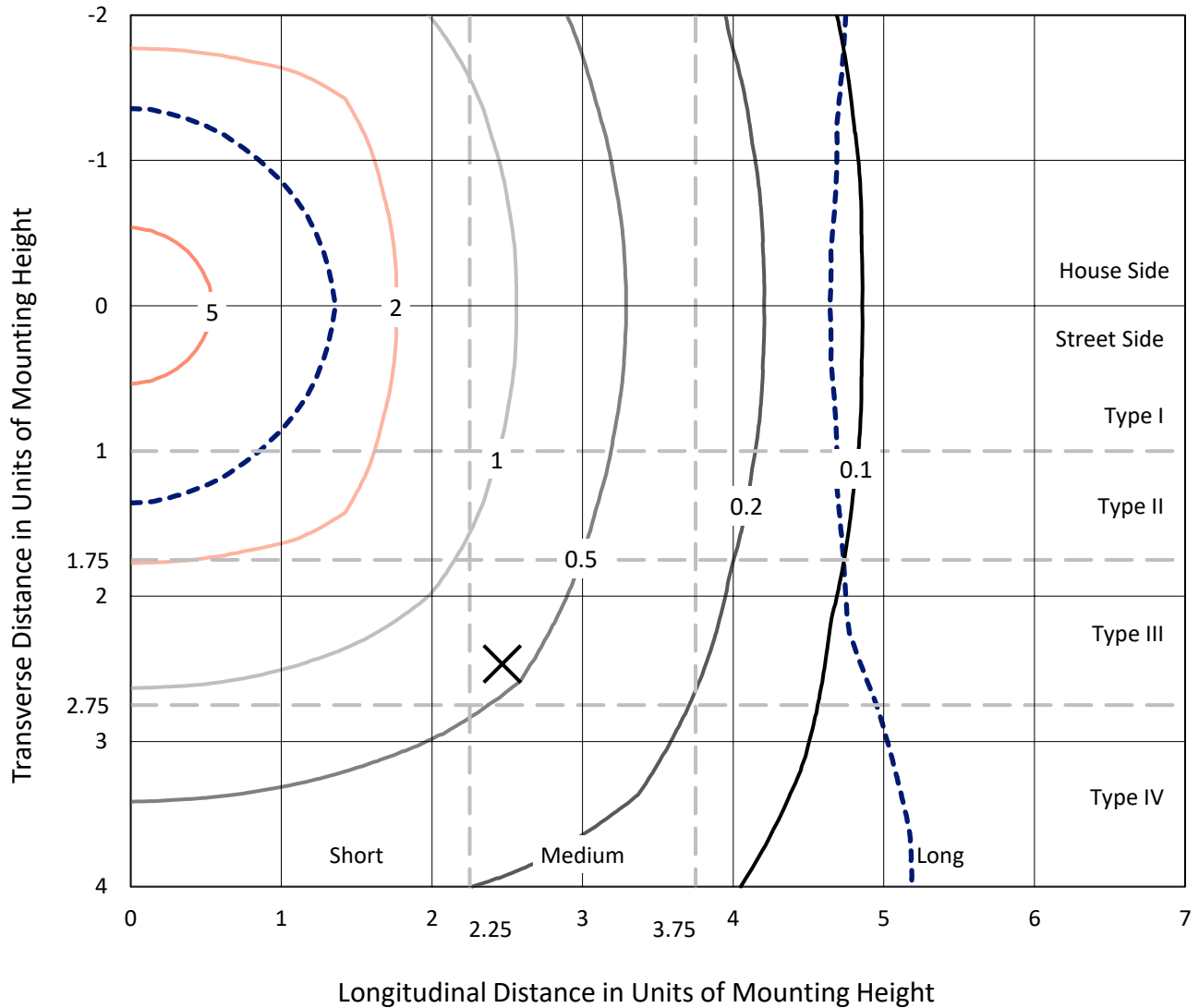
Input Watts (W): 365.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

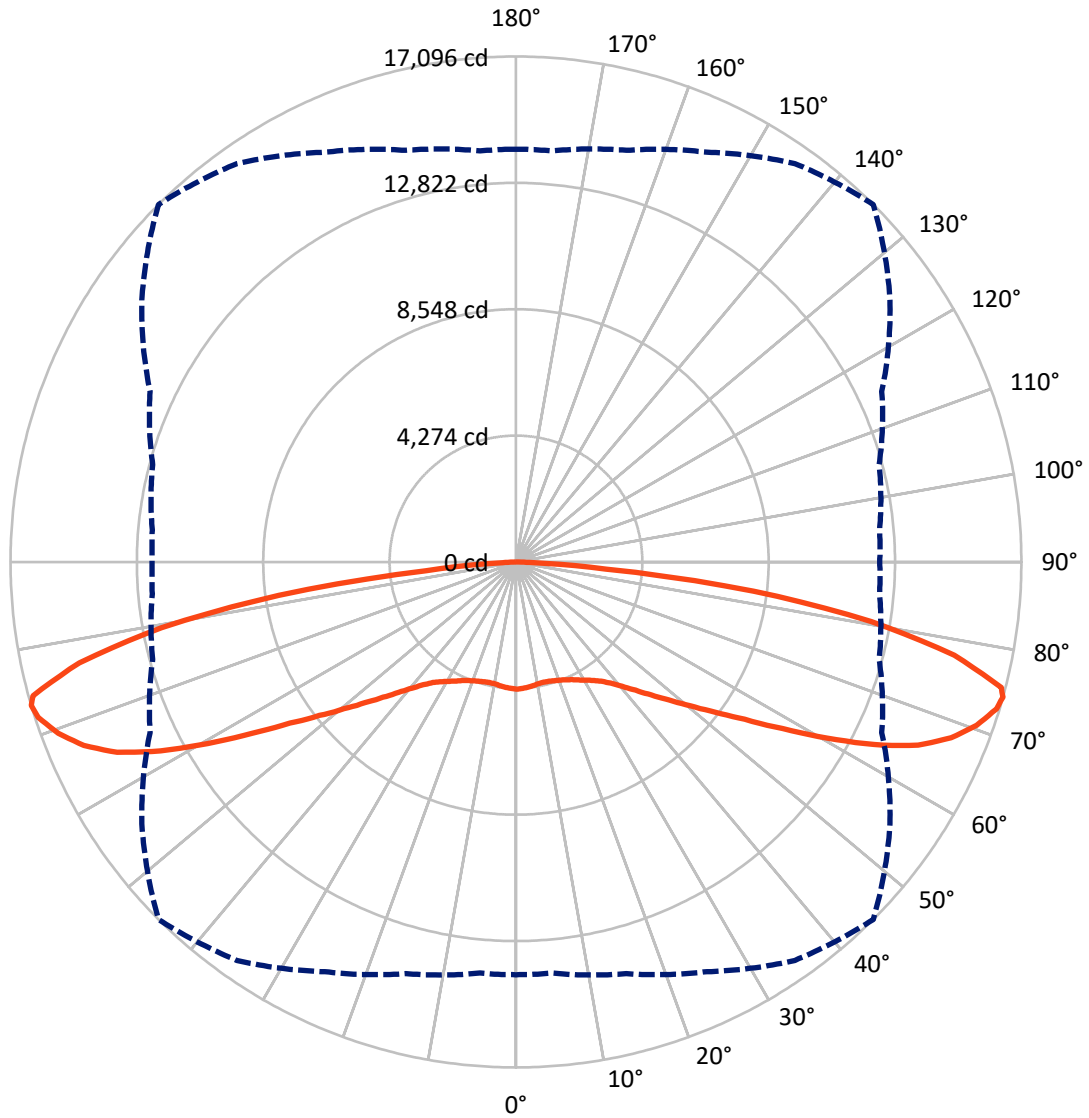
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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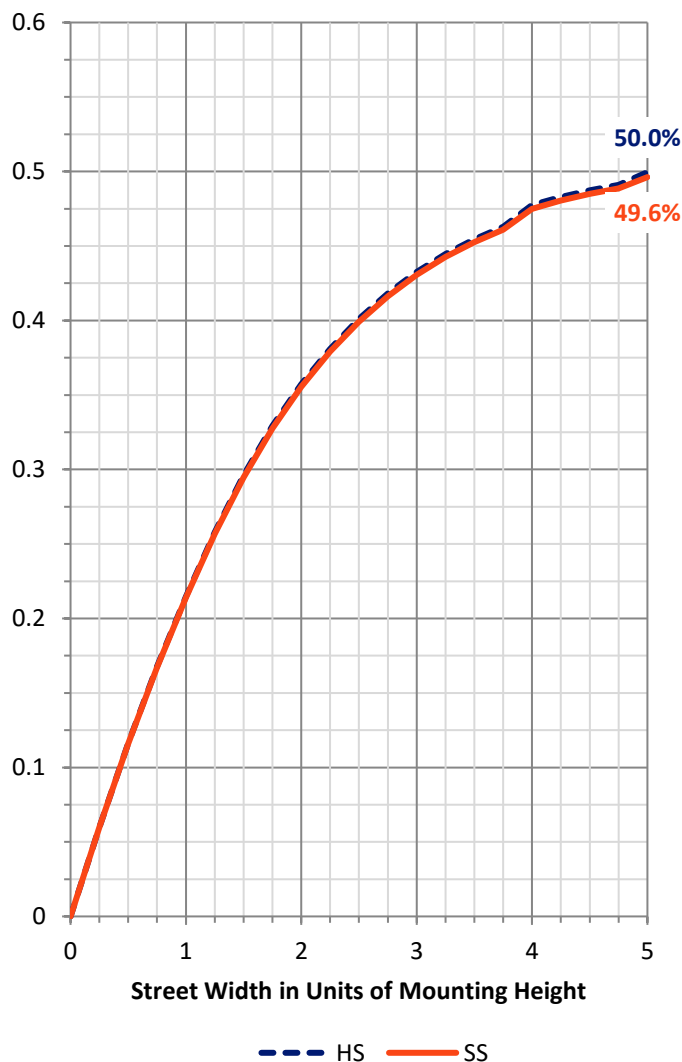
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24719.0	0.0	24719.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24719.0	0.0	24719.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49438.0	0.0	49438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.6	0.8
10°-20°	1200.1	2.4
20°-30°	2061.4	4.2
30°-40°	3171.8	6.4
40°-50°	5084.1	10.3
50°-60°	8301.2	16.8
60°-70°	12944.1	26.2
70°-80°	13806.9	27.9
80°-90°	2463.9	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°	49438.0	100.0
0°-180°	49438.0	100.0

Coefficient of Utilization



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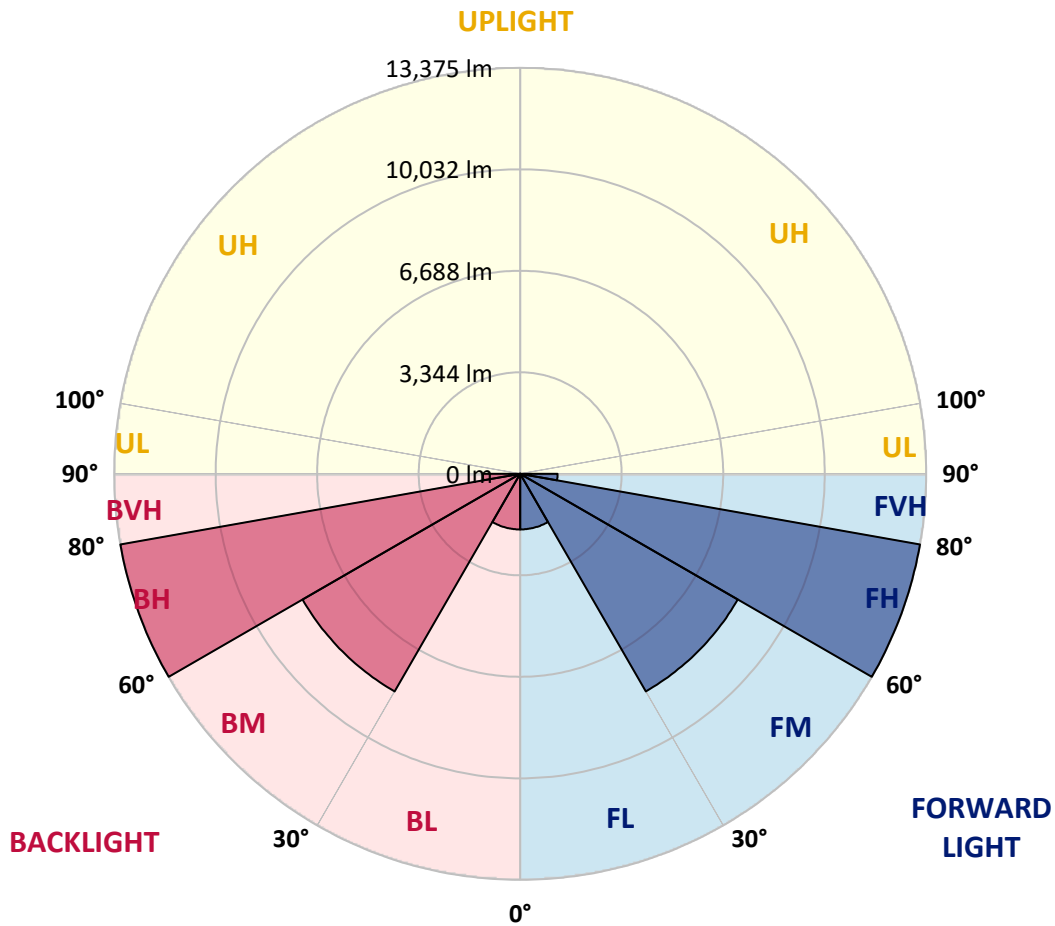
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1833.1	3.7			
FM (30°-60°)	8278.5	16.7			
FH (60°-80°)	13375.5	27.1			G5
FVH (80°-90°)	1231.9	2.5			G5
BL (0°-30°)	1833.1	3.7	B3/2500		
BM (30°-60°)	8278.5	16.7	B4/8500		
BH (60°-80°)	13375.5	27.1	B5		G5
BVH (80°-90°)	1231.9	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°	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8	4301.8
2.5°	4297.2	4304.1	4298.4	4288.0	4283.4	4279.9	4282.2	4289.1	4297.2	4300.7	4297.2
5°	4253.5	4259.2	4256.9	4251.2	4253.5	4254.6	4259.2	4268.4	4275.3	4277.6	4277.6
7.5°	4202.8	4208.6	4209.7	4207.4	4216.6	4220.1	4227.0	4236.2	4244.2	4250.0	4251.2
10°	4191.3	4191.3	4187.8	4180.9	4183.2	4185.5	4194.7	4210.9	4227.0	4235.0	4239.6
12.5°	4210.9	4210.9	4199.4	4182.1	4172.9	4171.7	4180.9	4204.0	4231.6	4248.9	4248.9
15°	4245.4	4241.9	4225.8	4204.0	4191.3	4185.5	4192.4	4215.5	4250.0	4273.0	4275.3
17.5°	4275.3	4275.3	4259.2	4236.2	4222.4	4220.1	4221.2	4239.6	4275.3	4303.0	4308.7
20°	4308.7	4309.9	4294.9	4274.2	4265.0	4263.8	4267.3	4277.6	4309.9	4339.8	4345.5
22.5°	4366.3	4365.1	4347.9	4326.0	4322.5	4324.8	4327.1	4335.2	4367.4	4399.7	4397.3
25°	4445.7	4450.3	4428.4	4407.7	4406.6	4408.9	4411.2	4421.5	4453.8	4486.0	4483.7
27.5°	4542.4	4548.1	4524.0	4507.9	4512.5	4520.5	4517.1	4521.7	4544.7	4578.1	4571.2
30°	4655.2	4648.3	4634.5	4629.9	4637.9	4637.9	4633.3	4632.2	4647.1	4678.2	4670.2
32.5°	4796.8	4793.3	4776.1	4772.6	4778.4	4772.6	4770.3	4776.1	4794.5	4825.6	4821.0
35°	5008.6	5000.5	4978.7	4962.6	4961.4	4947.6	4953.3	4975.2	5009.8	5036.2	5036.2
37.5°	5258.4	5273.4	5250.3	5220.4	5200.8	5192.8	5202.0	5238.8	5294.1	5320.6	5320.6
40°	5623.3	5627.9	5595.7	5560.0	5538.1	5524.3	5534.7	5577.3	5649.8	5684.3	5668.2
42.5°	6044.6	6044.6	6014.7	5968.7	5934.1	5930.7	5939.9	5989.4	6067.7	6103.3	6081.5
45°	6564.9	6529.3	6501.6	6449.8	6414.1	6415.3	6425.7	6474.0	6543.1	6593.7	6569.5
47.5°	7103.7	7076.0	7051.9	6994.3	6973.6	6975.9	6984.0	7034.6	7091.0	7154.3	7132.5
50°	7667.7	7658.5	7660.8	7621.7	7635.5	7644.7	7641.3	7671.2	7716.1	7747.2	7706.9
52.5°	8257.1	8250.2	8319.3	8333.1	8405.6	8433.2	8399.9	8375.7	8367.6	8317.0	8259.4
55°	8882.2	8879.9	9024.9	9134.3	9324.2	9388.7	9305.8	9163.1	9050.3	8925.9	8868.4
57.5°	9594.7	9608.6	9792.7	10042.5	10437.4	10630.8	10398.2	10051.7	9810.0	9613.2	9553.3
60°	10362.5	10361.4	10637.7	11040.6	11714.0	12090.4	11625.3	11006.0	10618.1	10341.8	10260.1
62.5°	11092.4	11095.8	11430.8	12027.1	13033.2	13605.3	12819.1	11884.4	11376.7	11036.0	10965.7
65°	12032.9	12029.4	12328.7	12973.3	14215.4	14948.7	13931.1	12804.1	12190.6	11819.9	11727.8
67.5°	13288.7	13251.9	13529.3	14111.8	15193.9	15875.4	14902.6	13727.3	13064.3	12715.5	12646.4
70°	14277.6	14293.7	14662.1	15249.1	16030.8	16530.3	15570.3	14477.9	13784.9	13378.5	13303.7
72.5°	14399.6	14393.8	14832.4	15623.3	16525.7	16992.0	15782.1	14335.1	13406.2	12956.1	12900.8
74°	13961.0	13955.3	14413.4	15289.4	16448.6	17095.6	15443.7	13653.7	12720.1	12346.0	12303.4
75°	13448.8	13334.8	13882.7	14834.7	16159.7	16951.7	14937.2	13078.1	12240.1	11869.4	11821.0
77.5°	9971.2	9777.8	10774.7	12562.4	14424.9	15155.9	13166.7	11091.2	9955.0	9240.2	9137.7
80°	4943.0	4793.3	5827.1	8117.8	10649.2	12190.6	10229.0	7367.3	5799.4	4842.8	4720.8
82.5°	1194.9	1213.3	1828.0	3333.7	5797.1	8102.9	6003.2	3193.3	2113.5	1513.7	1371.0
85°	290.1	293.5	533.0	820.8	1910.9	3048.2	1961.5	935.9	744.8	560.6	546.8
87.5°	82.9	88.6	178.4	215.3	332.7	450.1	437.4	424.8	434.0	312.0	261.3
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)