

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: P639320

Luminaire Tested: **USSL-M-PA6C-730-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639320
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-PA6C-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: 58203 lumens
Efficiency: N/A
Efficacy: 127.3 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

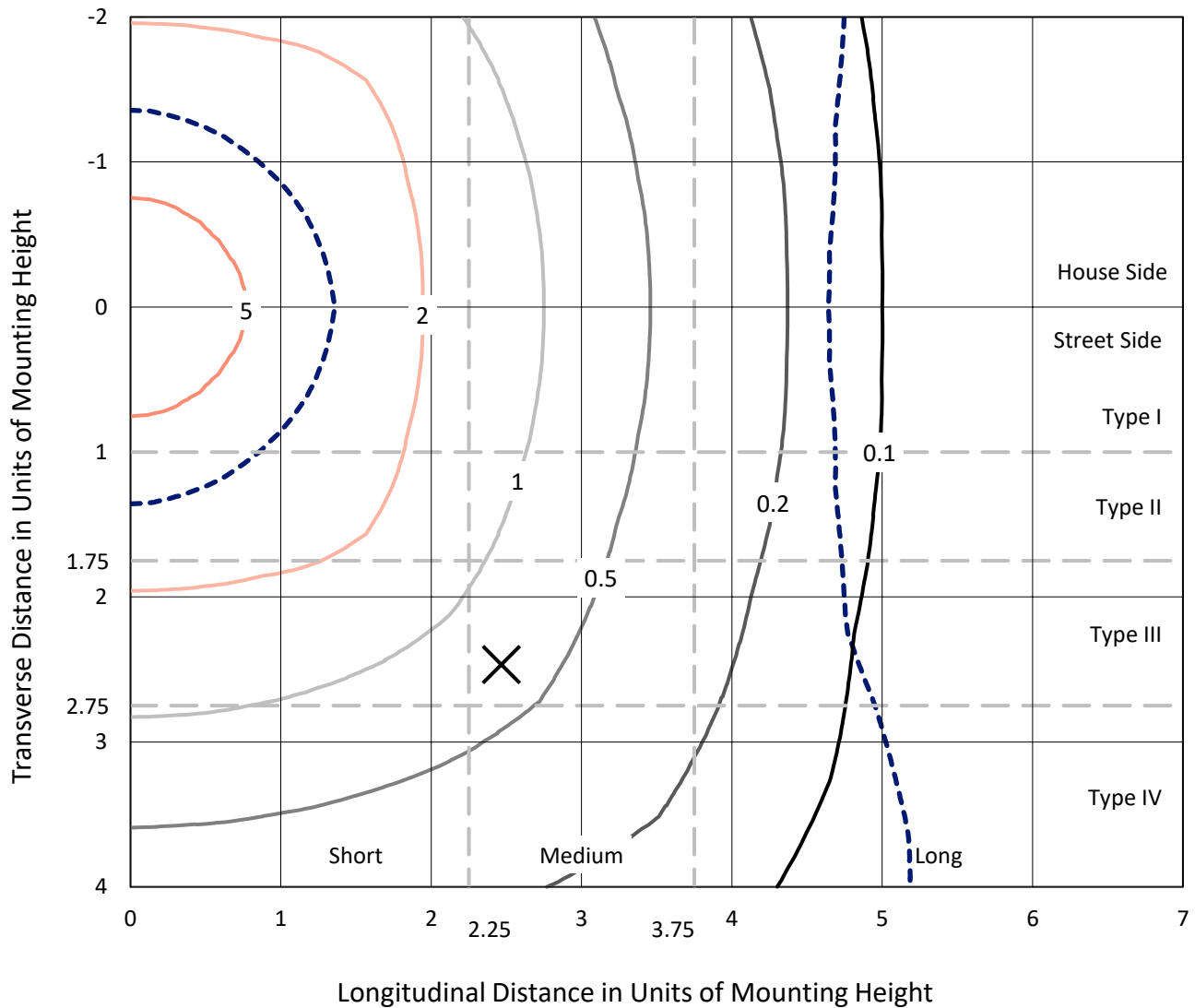
Input Watts (W): 457.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

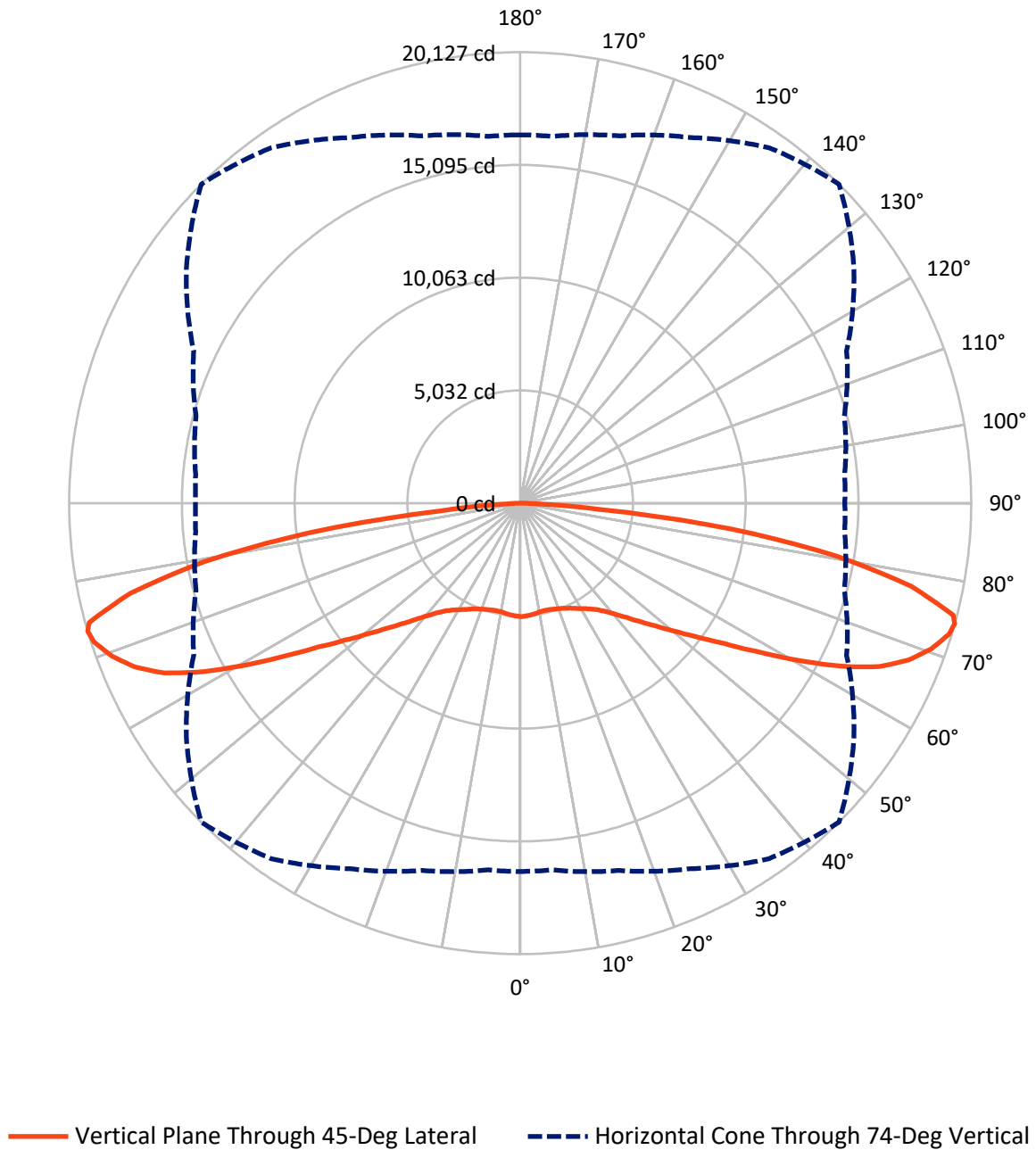
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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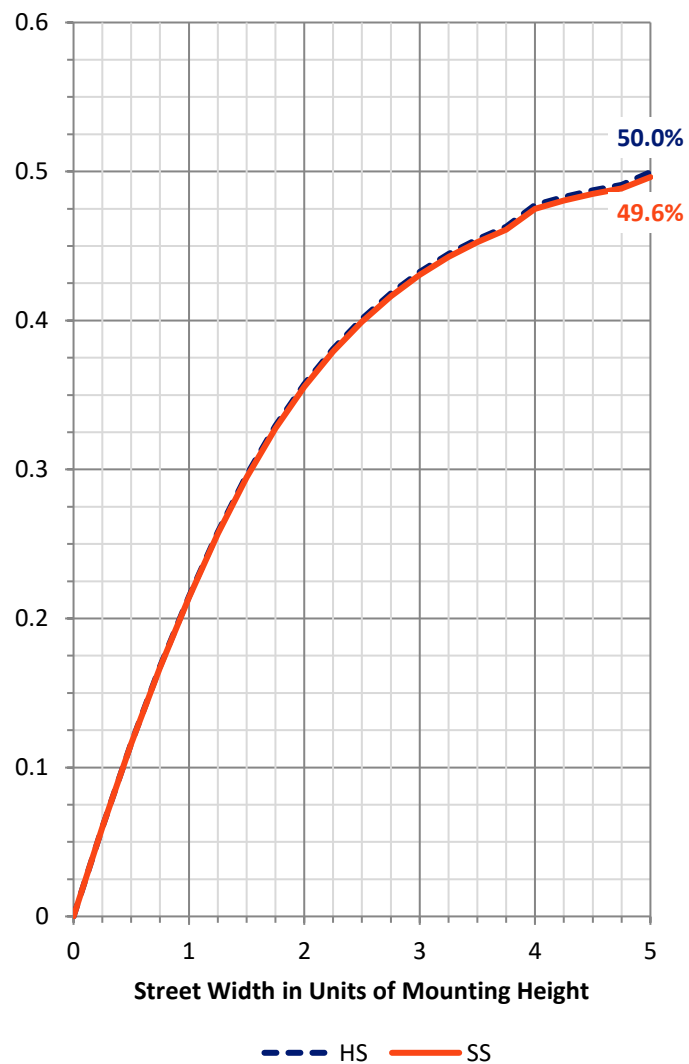
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29101.5	0.0	29101.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29101.5	0.0	29101.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58203.0	0.0	58203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.4	0.8
10°-20°	1412.8	2.4
20°-30°	2426.9	4.2
30°-40°	3734.1	6.4
40°-50°	5985.4	10.3
50°-60°	9773.0	16.8
60°-70°	15239.0	26.2
70°-80°	16254.7	27.9
80°-90°	2900.7	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°	58203.0	100.0
0°-180°	58203.0	100.0

Coefficient of Utilization



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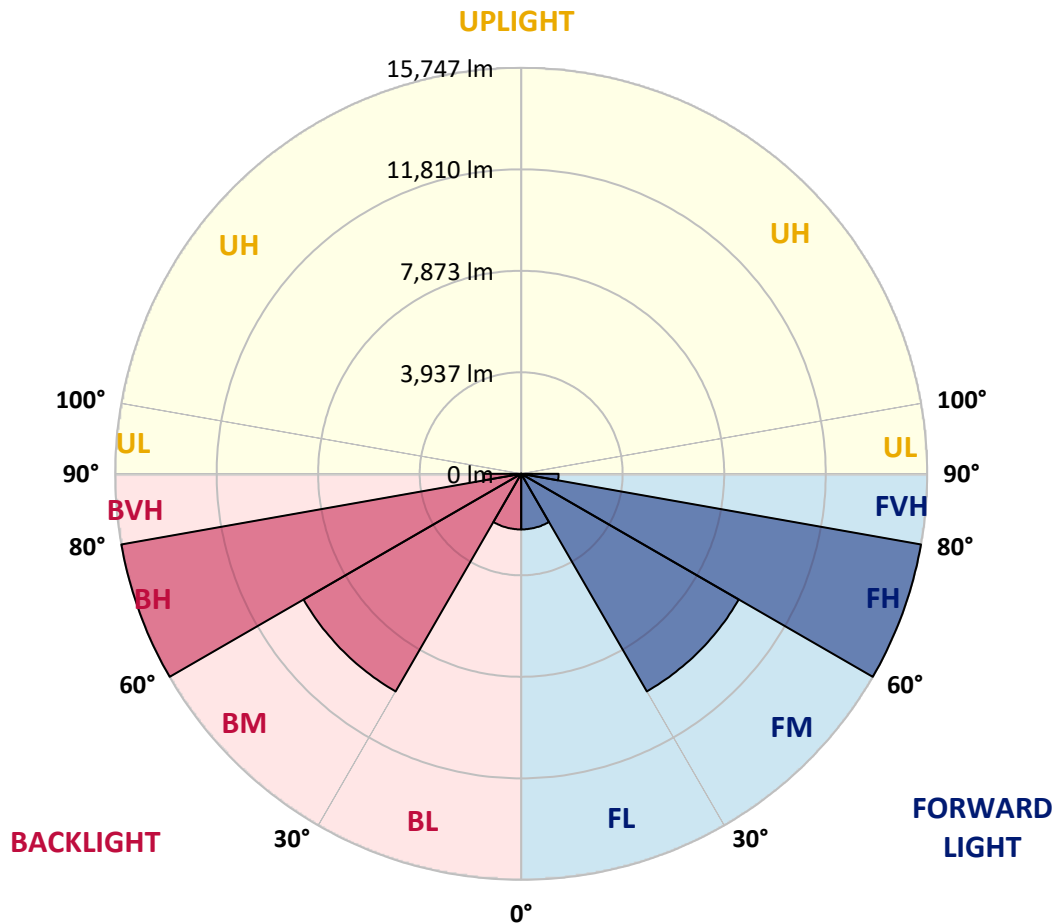
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2158.0	3.7			
FM	(30°-60°)	9746.3	16.7			
FH	(60°-80°)	15746.9	27.1			G5
FVH	(80°-90°)	1450.3	2.5			G5
BL	(0°-30°)	2158.0	3.7	B3/2500		
BM	(30°-60°)	9746.3	16.7	B5		
BH	(60°-80°)	15746.9	27.1	B5		G5
BVH	(80°-90°)	1450.3	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°	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5	5064.5
2.5°	5059.1	5067.2	5060.4	5048.2	5042.8	5038.7	5041.4	5049.6	5059.1	5063.1	5059.1
5°	5007.6	5014.3	5011.6	5004.9	5007.6	5008.9	5014.3	5025.2	5033.3	5036.0	5036.0
7.5°	4947.9	4954.7	4956.1	4953.4	4964.2	4968.3	4976.4	4987.2	4996.7	5003.5	5004.9
10°	4934.4	4934.4	4930.3	4922.2	4924.9	4927.6	4938.4	4957.4	4976.4	4985.9	4991.3
12.5°	4957.4	4957.4	4943.9	4923.5	4912.7	4911.3	4922.2	4949.3	4981.8	5002.1	5002.1
15°	4998.1	4994.0	4975.0	4949.3	4934.4	4927.6	4935.7	4962.8	5003.5	5030.6	5033.3
17.5°	5033.3	5033.3	5014.3	4987.2	4971.0	4968.3	4969.6	4991.3	5033.3	5065.8	5072.6
20°	5072.6	5074.0	5056.4	5032.0	5021.1	5019.8	5023.8	5036.0	5074.0	5109.2	5116.0
22.5°	5140.4	5139.0	5118.7	5092.9	5088.9	5091.6	5094.3	5103.8	5141.7	5179.7	5177.0
25°	5233.9	5239.3	5213.6	5189.2	5187.8	5190.5	5193.2	5205.4	5243.4	5281.3	5278.6
27.5°	5347.7	5354.5	5326.0	5307.1	5312.5	5322.0	5317.9	5323.3	5350.4	5389.7	5381.6
30°	5480.5	5472.4	5456.1	5450.7	5460.2	5460.2	5454.8	5453.4	5471.1	5507.6	5498.2
32.5°	5647.2	5643.2	5622.8	5618.8	5625.5	5618.8	5616.1	5622.8	5644.5	5681.1	5675.7
35°	5896.6	5887.1	5861.4	5842.4	5841.0	5824.8	5831.5	5857.3	5897.9	5929.1	5929.1
37.5°	6190.7	6208.3	6181.2	6146.0	6122.9	6113.4	6124.3	6167.6	6232.7	6263.9	6263.9
40°	6620.3	6625.7	6587.8	6545.7	6520.0	6503.7	6515.9	6566.1	6651.5	6692.1	6673.1
42.5°	7116.3	7116.3	7081.1	7026.9	6986.2	6982.1	6993.0	7051.2	7143.4	7185.4	7159.7
45°	7728.9	7686.8	7654.3	7593.3	7551.3	7552.7	7564.9	7621.8	7703.1	7762.7	7734.3
47.5°	8363.1	8330.6	8302.1	8234.4	8210.0	8212.7	8222.2	8281.8	8348.2	8422.7	8397.0
50°	9027.2	9016.3	9019.0	8973.0	8989.2	9000.1	8996.0	9031.2	9084.1	9120.7	9073.2
52.5°	9721.0	9712.9	9794.2	9810.5	9895.9	9928.4	9889.1	9860.6	9851.1	9791.5	9723.8
55°	10456.9	10454.2	10625.0	10753.7	10977.3	11053.2	10955.7	10787.6	10654.8	10508.4	10440.7
57.5°	11295.8	11312.1	11528.9	11823.0	12287.8	12515.5	12241.8	11833.8	11549.2	11317.5	11247.0
60°	12199.8	12198.4	12523.7	12998.0	13790.8	14233.9	13686.4	12957.3	12500.6	12175.4	12079.1
62.5°	13059.0	13063.0	13457.4	14159.4	15343.9	16017.4	15091.8	13991.4	13393.7	12992.6	12909.9
65°	14166.2	14162.1	14514.5	15273.4	16735.7	17599.0	16401.0	15074.2	14351.9	13915.5	13807.1
67.5°	15644.7	15601.4	15928.0	16613.7	17887.6	18689.9	17544.8	16161.1	15380.5	14969.8	14888.5
70°	16808.9	16827.9	17261.5	17952.7	18872.9	19461.1	18330.8	17044.7	16228.8	15750.4	15662.4
72.5°	16952.5	16945.8	17462.1	18393.1	19455.6	20004.5	18580.2	16876.6	15783.0	15253.1	15188.0
74°	16436.2	16429.4	16968.8	18000.1	19364.8	20126.5	18181.7	16074.3	14975.3	14534.8	14484.7
75°	15833.1	15698.9	16344.0	17464.8	19024.7	19957.1	17585.4	15396.7	14410.1	13973.7	13916.8
77.5°	11739.0	11511.3	12684.9	14789.6	16982.3	17842.9	15501.1	13057.6	11720.0	10878.4	10757.8
80°	5819.3	5643.2	6860.2	9557.1	12537.2	14351.9	12042.5	8673.5	6827.6	5701.4	5557.8
82.5°	1406.7	1428.4	2152.1	3924.7	6824.9	9539.4	7067.5	3759.4	2488.2	1782.1	1614.1
85°	341.5	345.6	627.5	966.3	2249.7	3588.6	2309.3	1101.8	876.8	660.0	643.7
87.5°	97.6	104.4	210.1	253.4	391.7	529.9	515.0	500.1	510.9	367.3	307.6
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)