

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: P316434

Luminaire Tested: **GAN-SA0A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44129 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

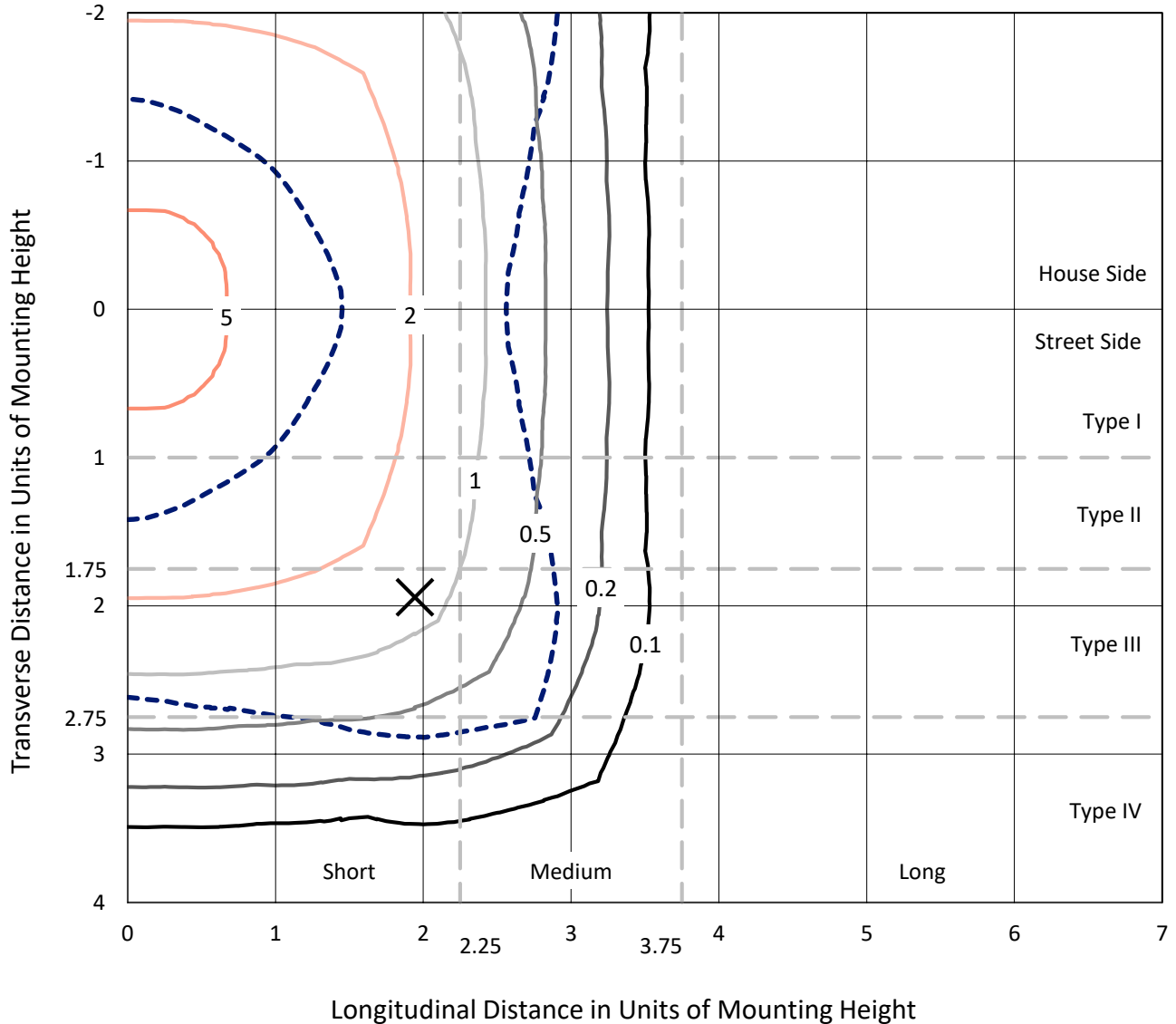
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

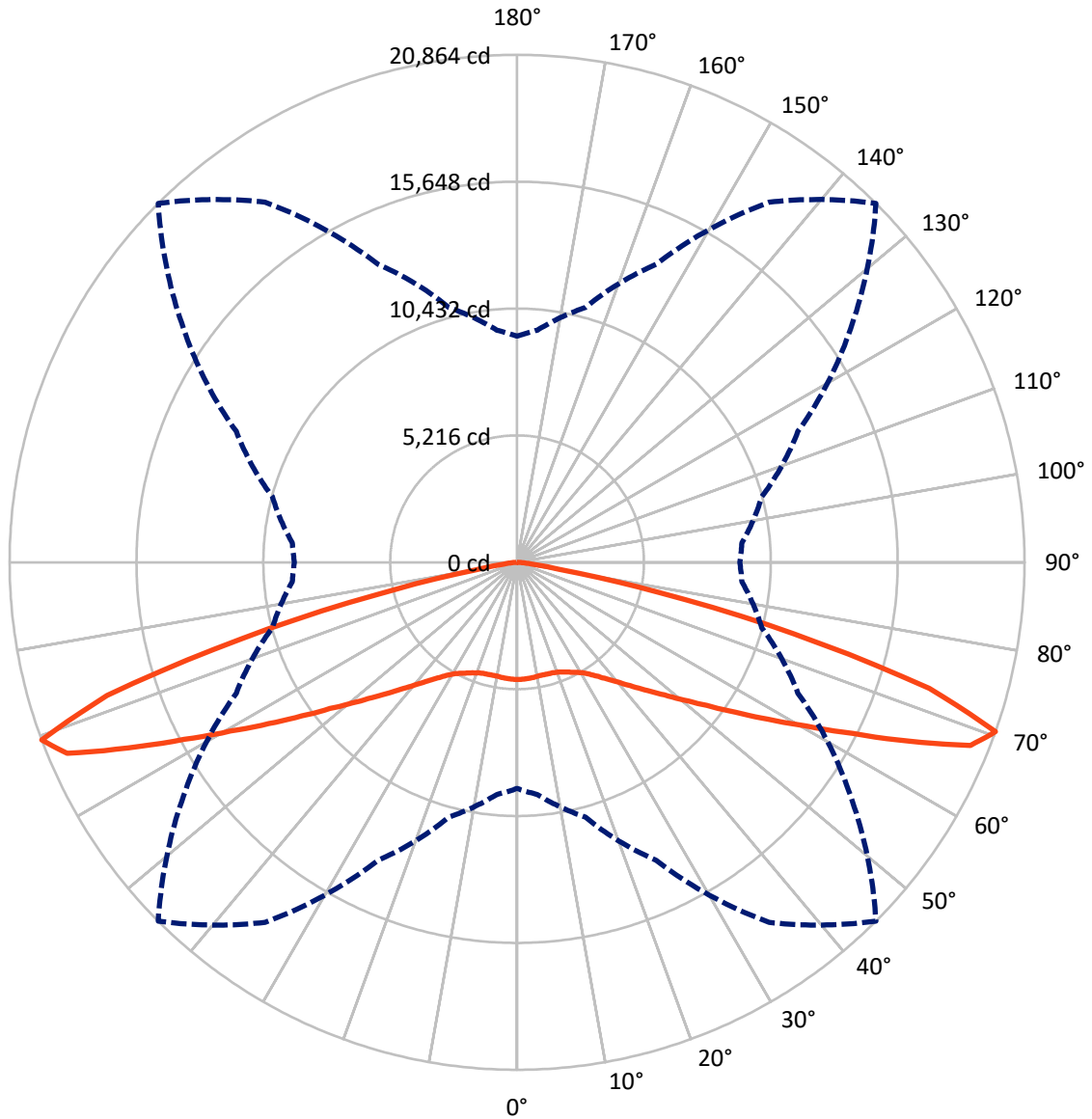
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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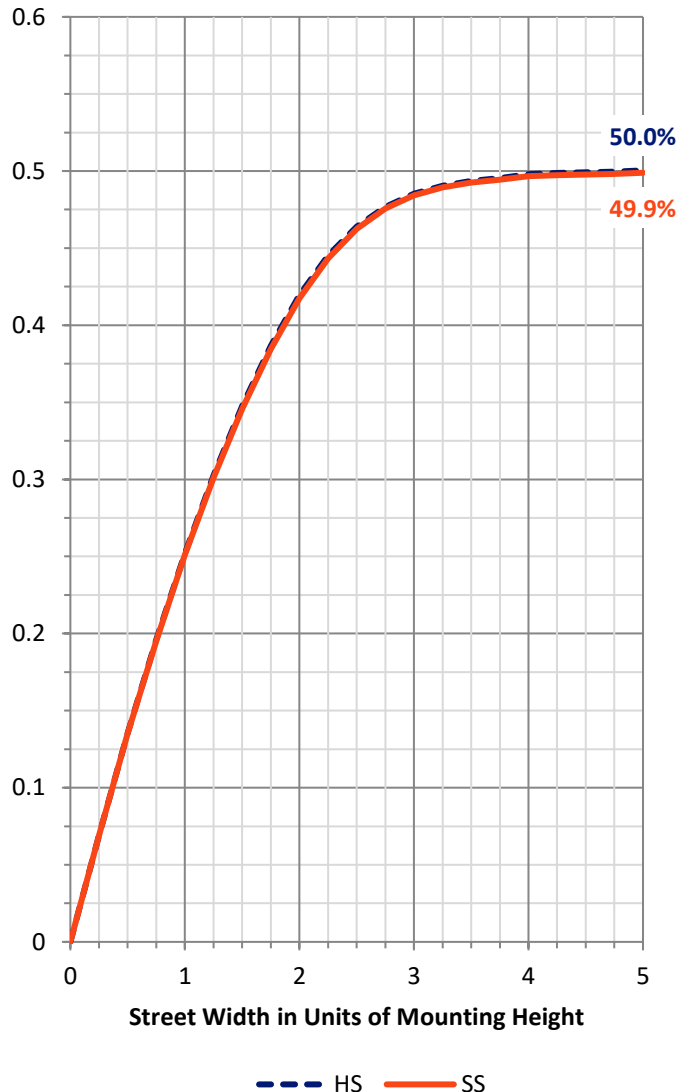
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22064.5	0.0	22064.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22064.5	0.0	22064.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44129.0	0.0	44129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.5	1.0
10°-20°	1340.1	3.0
20°-30°	2281.2	5.2
30°-40°	3618.0	8.2
40°-50°	5887.6	13.3
50°-60°	9707.6	22.0
60°-70°	14251.0	32.3
70°-80°	6301.8	14.3
80°-90°	285.4	0.6
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°	44129.0	100.0
0°-180°	44129.0	100.0

Coefficient of Utilization



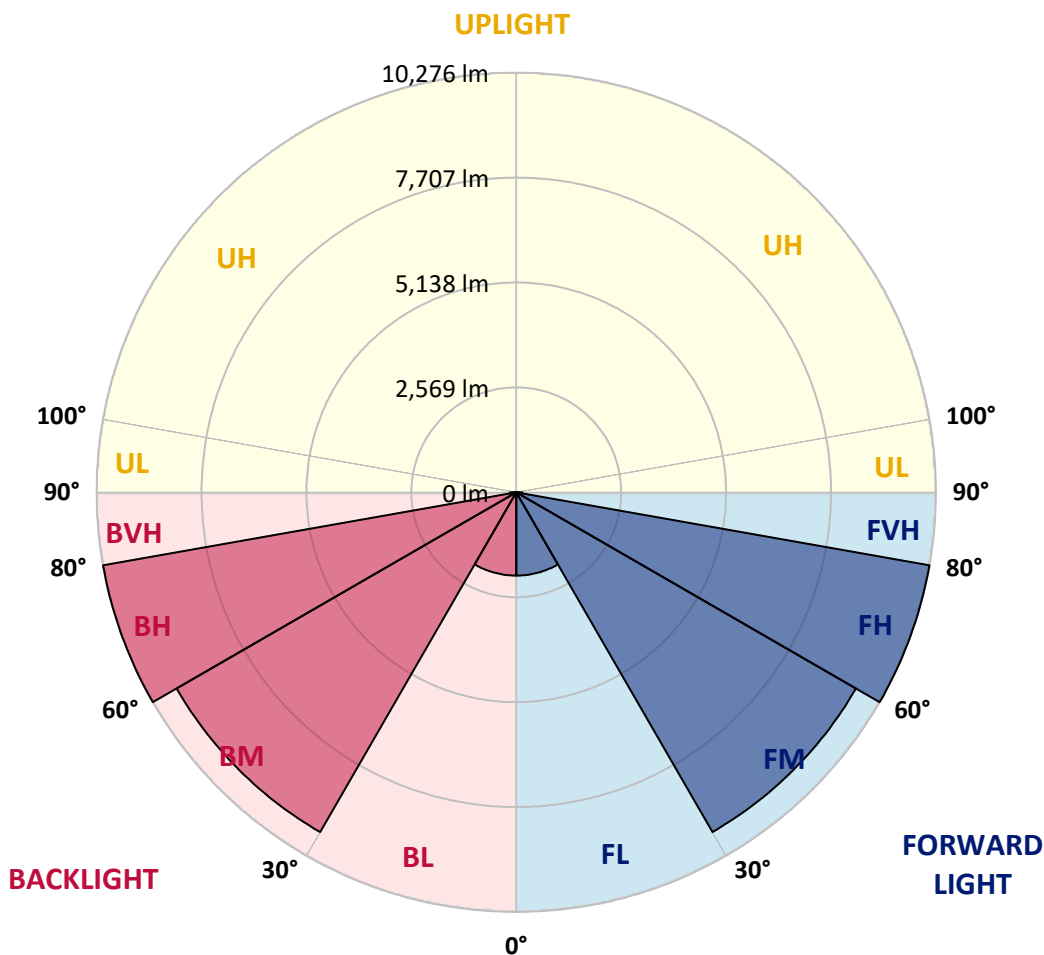
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2038.9	4.6			
FM (30°-60°)	9606.6	21.8			
FH (60°-80°)	10276.4	23.3			G4/12000
FVH (80°-90°)	142.7	0.3			G2/225
BL (0°-30°)	2038.9	4.6	B3/2500		
BM (30°-60°)	9606.6	21.8	B5		
BH (60°-80°)	10276.4	23.3	B5		G4/12000
BVH (80°-90°)	142.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6	4819.6
2.5°	4812.3	4807.9	4818.1	4816.7	4807.9	4809.4	4809.4	4813.7	4813.7	4810.8	4810.8
5°	4794.7	4791.8	4803.5	4803.5	4794.7	4797.7	4800.6	4805.0	4803.5	4800.6	4799.1
7.5°	4772.8	4771.4	4783.1	4783.1	4777.2	4780.1	4777.2	4778.7	4775.8	4772.8	4768.5
10°	4736.3	4739.2	4749.5	4752.4	4752.4	4753.9	4750.9	4743.6	4739.2	4734.9	4730.5
12.5°	4702.7	4701.3	4715.9	4723.2	4734.9	4748.0	4739.2	4718.8	4710.0	4701.3	4698.4
15°	4680.8	4682.3	4696.9	4710.0	4730.5	4758.2	4748.0	4715.9	4698.4	4688.1	4685.2
17.5°	4676.4	4679.4	4698.4	4721.7	4743.6	4774.3	4768.5	4736.3	4707.1	4688.1	4683.7
20°	4686.7	4688.1	4717.3	4750.9	4788.9	4818.1	4805.0	4769.9	4730.5	4701.3	4694.0
22.5°	4705.7	4711.5	4748.0	4800.6	4859.0	4898.4	4882.4	4822.5	4761.2	4724.6	4714.4
25°	4765.5	4767.0	4816.7	4888.2	4958.3	5003.6	4984.6	4899.9	4821.0	4780.1	4767.0
27.5°	4889.7	4894.1	4943.7	5027.0	5086.8	5116.1	5104.4	5035.7	4968.5	4924.7	4929.1
30°	5069.3	5075.2	5130.7	5222.7	5259.2	5266.5	5263.6	5231.4	5170.1	5111.7	5116.1
32.5°	5288.4	5291.3	5365.8	5449.0	5478.2	5484.1	5478.2	5449.0	5376.0	5297.1	5301.5
35°	5570.3	5579.0	5650.6	5730.9	5754.3	5766.0	5755.7	5717.8	5641.8	5564.4	5561.5
37.5°	5917.9	5919.3	5993.8	6077.0	6106.3	6109.2	6097.5	6072.7	5977.7	5907.6	5903.2
40°	6320.9	6326.8	6414.4	6503.5	6515.2	6502.0	6518.1	6503.5	6405.7	6325.3	6338.5
42.5°	6811.7	6824.8	6930.0	7017.6	6984.0	6976.7	6986.9	6991.3	6912.4	6814.6	6805.8
45°	7382.7	7394.4	7525.8	7595.9	7574.0	7525.8	7546.3	7581.3	7471.8	7350.6	7362.3
47.5°	8034.1	8063.3	8203.5	8269.2	8215.2	8149.5	8188.9	8241.5	8112.9	7962.5	7955.2
50°	8758.5	8795.0	8981.9	9073.9	9019.9	8898.7	8964.4	8999.5	8814.0	8619.7	8603.7
52.5°	9531.1	9567.6	9802.7	9992.6	9957.5	9769.1	9861.1	9824.6	9611.4	9350.0	9329.5
55°	10405.9	10420.5	10674.6	10981.3	11016.4	10877.6	10871.8	10811.9	10496.4	10194.1	10179.5
57.5°	11305.6	11315.8	11644.4	12006.6	12171.6	12171.6	12008.0	11881.0	11461.8	11111.3	11074.8
60°	12276.8	12313.3	12676.9	13169.1	13554.7	13668.6	13379.4	13033.3	12577.6	12149.7	12107.4
62.5°	13141.4	13183.7	13740.2	14473.3	15092.6	15507.3	14800.5	14236.7	13407.2	12720.8	12640.4
65°	13250.9	13364.8	14175.4	15503.0	16889.0	17717.0	16361.7	14972.8	13461.2	12507.5	12425.7
67.5°	12101.5	12294.3	13389.7	15456.2	18320.2	20097.6	17359.2	14552.2	12491.5	11437.0	11346.4
70°	9298.9	9579.3	10842.6	13519.6	18073.4	20864.4	16734.1	12739.7	10414.7	9279.9	9152.8
72.5°	5101.4	5216.8	6353.1	9258.0	14489.4	17730.2	13957.8	9420.1	6906.6	5619.9	5406.7
75°	1618.2	1659.1	2237.5	3788.5	8196.2	11743.7	8866.6	4623.9	2545.6	1876.7	1854.8
77.5°	718.6	722.9	809.1	1105.6	2823.1	5950.0	3391.2	1258.9	867.5	758.0	782.8
80°	454.2	454.2	500.9	547.7	768.2	1727.7	917.2	598.8	511.2	474.7	484.9
82.5°	217.6	241.0	325.7	350.5	422.1	581.3	470.3	391.4	341.8	254.1	236.6
85°	143.1	119.8	205.9	232.2	245.4	279.0	273.1	258.5	223.5	127.1	141.7
87.5°	64.3	61.3	106.6	97.9	92.0	70.1	105.2	130.0	125.6	62.8	62.8
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)