

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: P316474

Luminaire Tested: **GAN-SA0A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316474
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 48457 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

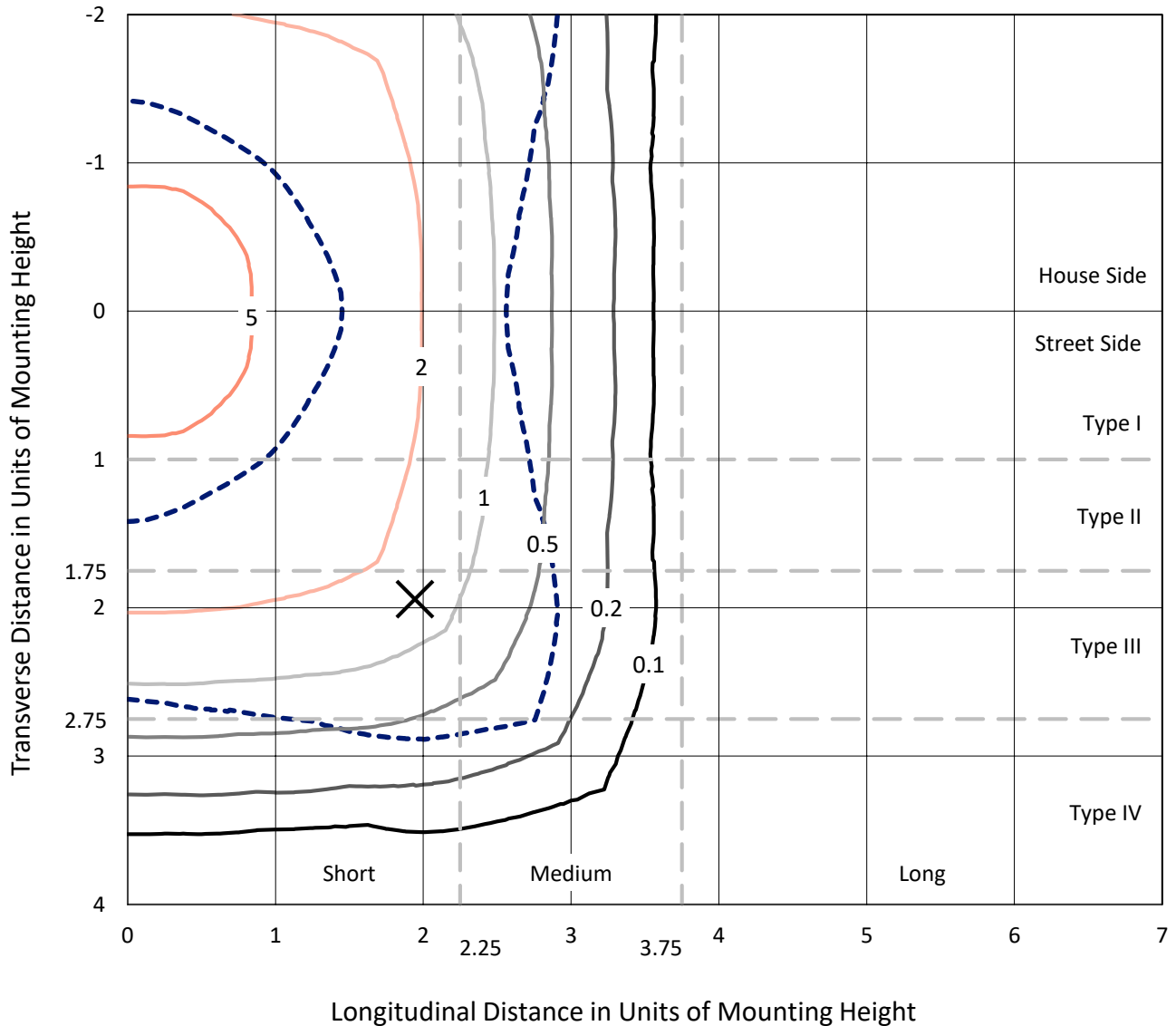
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

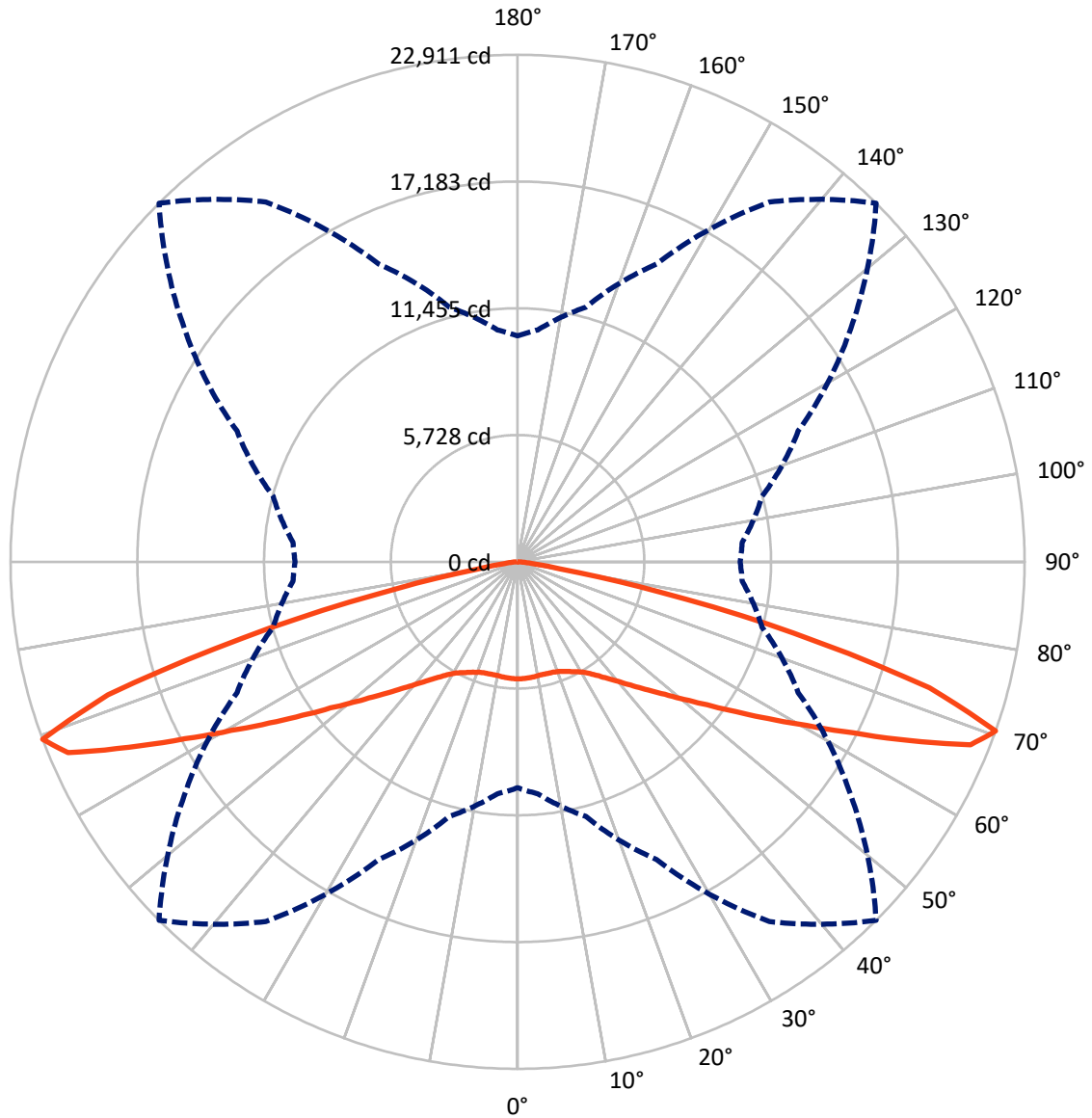
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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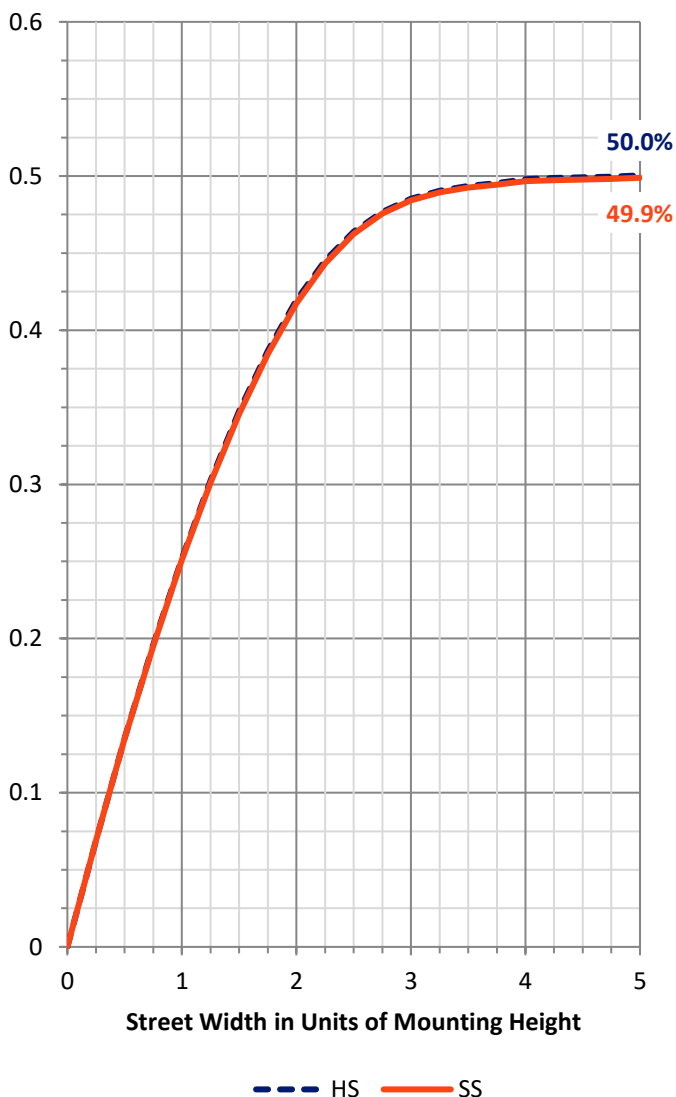
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24228.5	0.0	24228.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24228.5	0.0	24228.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48457.0	0.0	48457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	1.0
10°-20°	1471.5	3.0
20°-30°	2505.0	5.2
30°-40°	3972.8	8.2
40°-50°	6465.0	13.3
50°-60°	10659.6	22.0
60°-70°	15648.7	32.3
70°-80°	6919.8	14.3
80°-90°	313.4	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°	48457.0	100.0
0°-180°	48457.0	100.0

Coefficient of Utilization

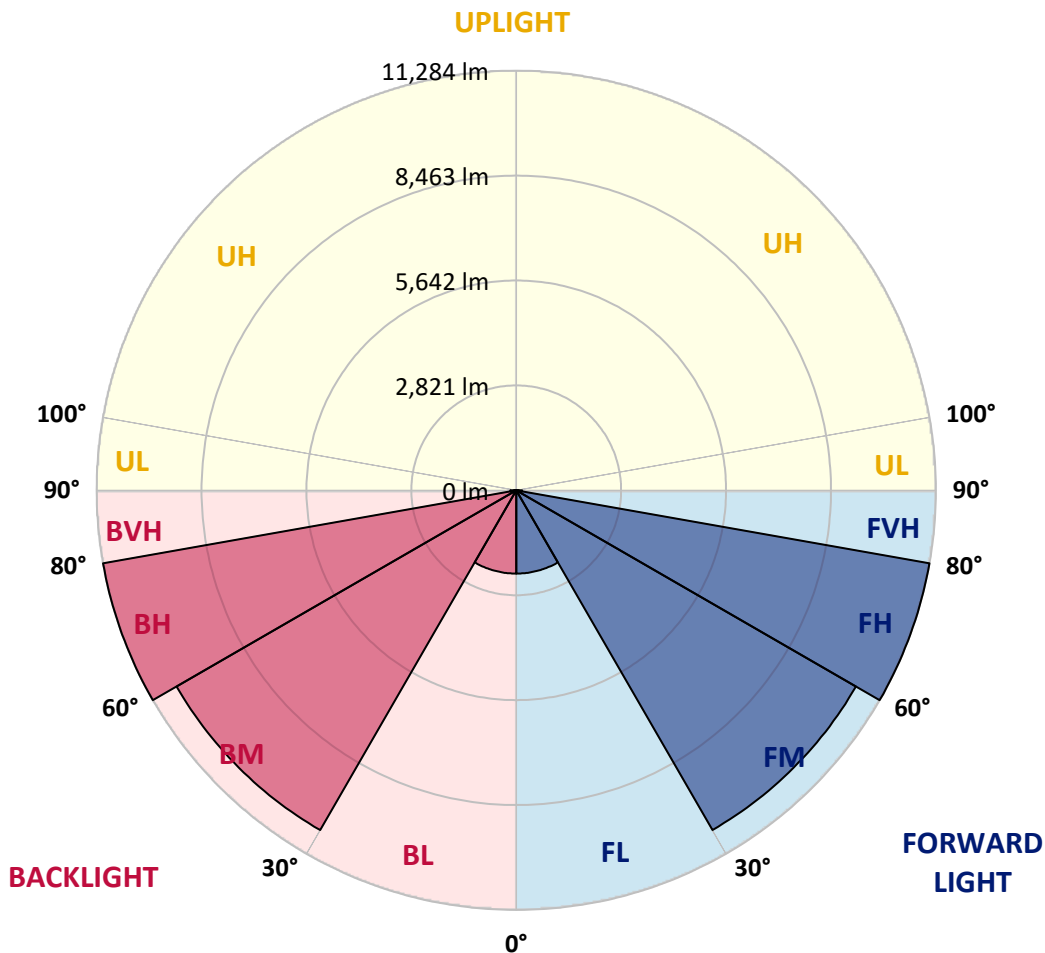


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2238.8	4.6			
FM (30°-60°)	10548.7	21.8			
FH (60°-80°)	11284.2	23.3			G4/12000
FVH (80°-90°)	156.7	0.3			G2/225
BL (0°-30°)	2238.8	4.6	B3/2500		
BM (30°-60°)	10548.7	21.8	B5		
BH (60°-80°)	11284.2	23.3	B5		G4/12000
BVH (80°-90°)	156.7	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°	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3	5292.3
2.5°	5284.2	5279.4	5290.7	5289.1	5279.4	5281.0	5281.0	5285.8	5285.8	5282.6	5282.6
5°	5265.0	5261.8	5274.6	5274.6	5265.0	5268.2	5271.4	5276.2	5274.6	5271.4	5269.8
7.5°	5240.9	5239.3	5252.2	5252.2	5245.8	5249.0	5245.8	5247.4	5244.1	5240.9	5236.1
10°	5200.8	5204.1	5215.3	5218.5	5218.5	5220.1	5216.9	5208.9	5204.1	5199.2	5194.4
12.5°	5164.0	5162.4	5178.4	5186.4	5199.2	5213.7	5204.1	5181.6	5172.0	5162.4	5159.2
15°	5139.9	5141.5	5157.5	5172.0	5194.4	5224.9	5213.7	5178.4	5159.2	5147.9	5144.7
17.5°	5135.1	5138.3	5159.2	5184.8	5208.9	5242.5	5236.1	5200.8	5168.8	5147.9	5143.1
20°	5146.3	5147.9	5180.0	5216.9	5258.6	5290.7	5276.2	5237.7	5194.4	5162.4	5154.3
22.5°	5167.2	5173.6	5213.7	5271.4	5335.6	5378.9	5361.2	5295.5	5228.1	5188.0	5176.8
25°	5232.9	5234.5	5289.1	5367.6	5444.6	5494.3	5473.5	5380.5	5293.9	5249.0	5234.5
27.5°	5369.2	5374.0	5428.6	5520.0	5585.7	5617.8	5605.0	5529.6	5455.8	5407.7	5412.5
30°	5566.5	5572.9	5633.8	5734.9	5775.0	5783.0	5779.8	5744.5	5677.2	5613.0	5617.8
32.5°	5807.1	5810.3	5892.0	5983.5	6015.5	6021.9	6015.5	5983.5	5903.3	5816.7	5821.5
35°	6116.6	6126.2	6204.8	6293.0	6318.6	6331.5	6320.2	6278.5	6195.1	6110.2	6106.9
37.5°	6498.3	6499.9	6581.6	6673.1	6705.1	6708.3	6695.5	6668.2	6564.0	6487.0	6482.2
40°	6940.9	6947.3	7043.5	7141.3	7154.2	7139.7	7157.4	7141.3	7033.9	6945.7	6960.1
42.5°	7479.7	7494.2	7609.6	7705.8	7669.0	7660.9	7672.2	7677.0	7590.4	7482.9	7473.3
45°	8106.8	8119.6	8263.9	8340.9	8316.9	8263.9	8286.4	8324.9	8204.6	8071.5	8084.3
47.5°	8822.0	8854.1	9008.1	9080.2	9020.9	8948.7	8992.0	9049.8	8908.6	8743.5	8735.4
50°	9617.5	9657.6	9862.8	9963.9	9904.5	9771.4	9843.6	9882.1	9678.4	9465.1	9447.5
52.5°	10465.8	10505.9	10764.1	10972.6	10934.1	10727.2	10828.3	10788.2	10554.0	10267.0	10244.5
55°	11426.5	11442.5	11721.6	12058.3	12096.8	11944.5	11938.1	11872.3	11525.9	11193.9	11177.9
57.5°	12414.4	12425.6	12786.4	13184.1	13365.4	13365.4	13185.7	13046.2	12586.0	12201.1	12161.0
60°	13480.8	13520.9	13920.2	14460.7	14884.1	15009.2	14691.6	14311.5	13811.2	13341.3	13294.8
62.5°	14430.2	14476.7	15087.7	15892.8	16572.8	17028.2	16252.0	15633.0	14722.1	13968.4	13880.2
65°	14550.5	14675.6	15565.7	17023.4	18545.4	19454.7	17966.4	16441.3	14781.4	13734.2	13644.4
67.5°	13288.4	13500.1	14702.9	16972.1	20117.0	22068.7	19061.8	15979.4	13716.6	12558.7	12459.3
70°	10210.9	10518.8	11906.0	14845.6	19846.0	22910.7	18375.4	13989.2	11436.1	10190.0	10050.5
72.5°	5601.8	5728.5	6976.2	10165.9	15910.5	19469.1	15326.7	10344.0	7584.0	6171.1	5937.0
75°	1776.9	1821.8	2456.9	4160.0	9000.0	12895.5	9736.2	5077.4	2795.3	2060.8	2036.7
77.5°	789.0	793.8	888.5	1214.0	3100.0	6533.5	3723.8	1382.4	952.6	832.3	859.6
80°	498.8	498.8	550.1	601.4	843.6	1897.2	1007.1	657.5	561.3	521.2	532.4
82.5°	239.0	264.6	357.6	384.9	463.5	638.3	516.4	429.8	375.3	279.0	259.8
85°	157.2	131.5	226.1	255.0	269.4	306.3	299.9	283.9	245.4	139.5	155.6
87.5°	70.6	67.4	117.1	107.4	101.0	77.0	115.5	142.7	137.9	69.0	69.0
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)