

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: P316472

Luminaire Tested: **GAN-SA8A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316472
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-SA8A-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 39236 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

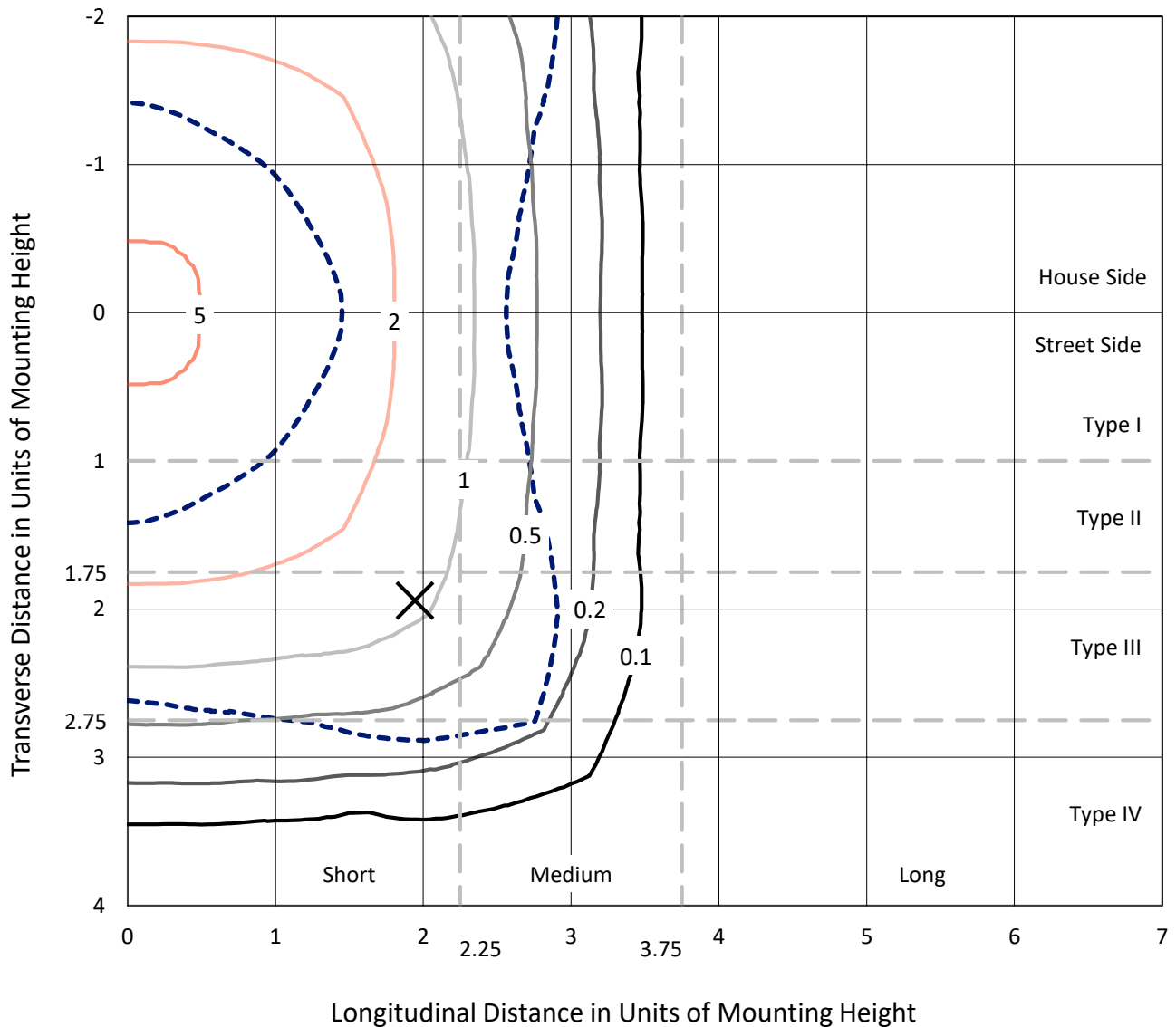
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

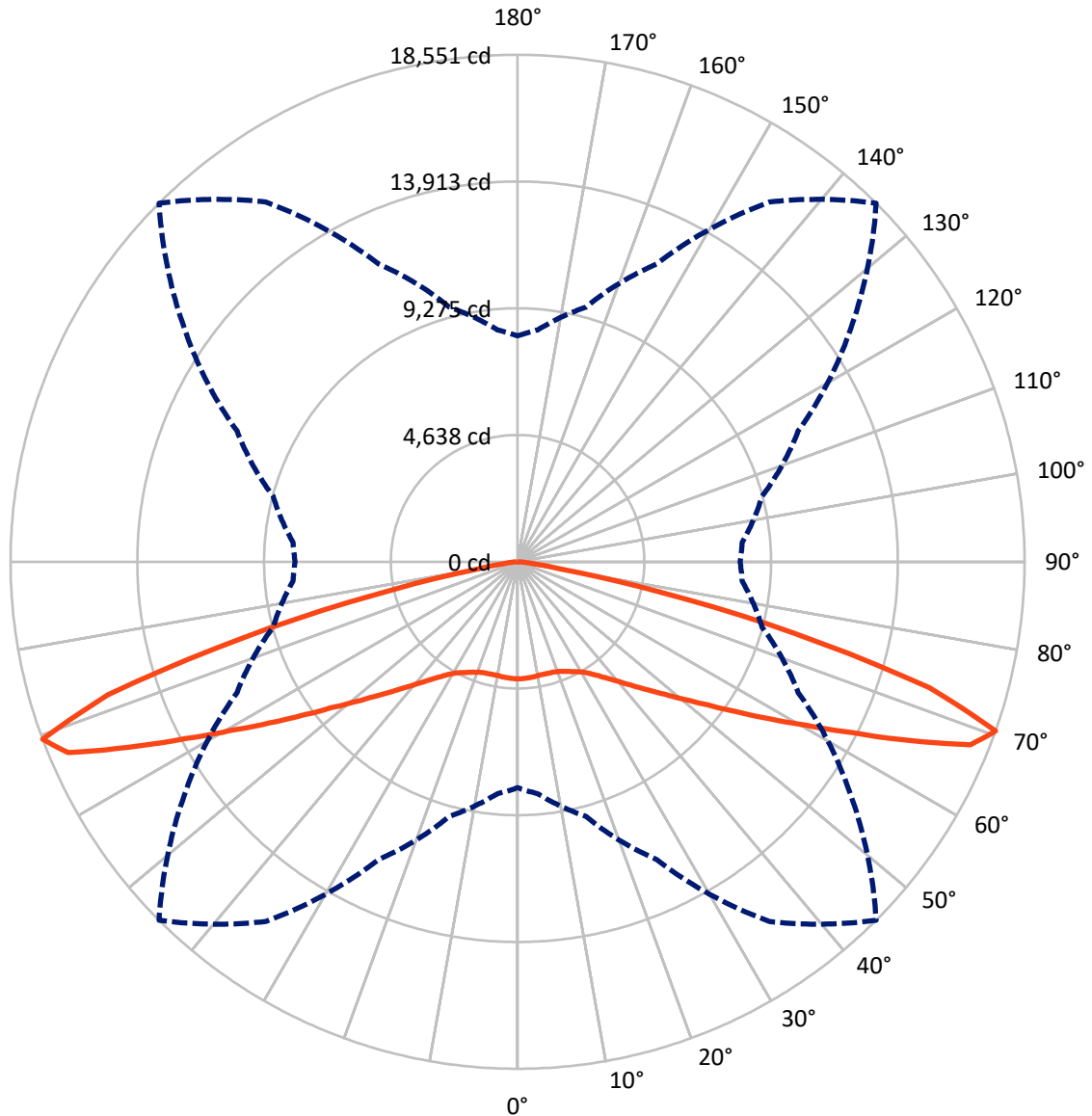
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - 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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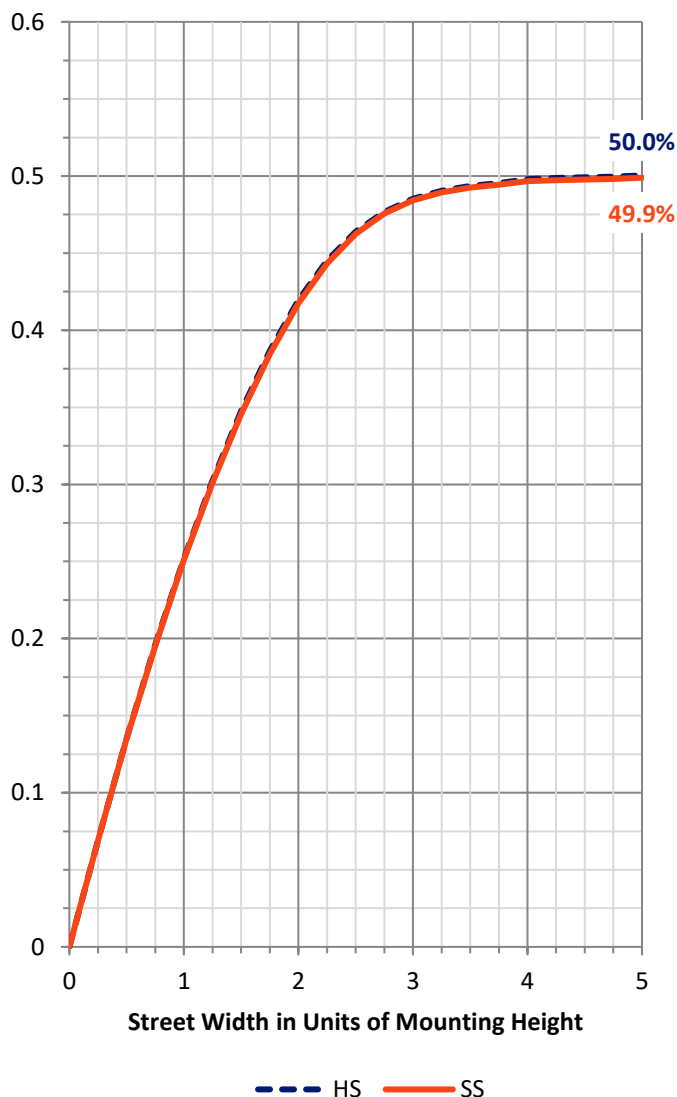
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19618.0	0.0	19618.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19618.0	0.0	19618.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39236.0	0.0	39236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.9	1.0
10°-20°	1191.5	3.0
20°-30°	2028.3	5.2
30°-40°	3216.8	8.2
40°-50°	5234.8	13.3
50°-60°	8631.2	22.0
60°-70°	12670.8	32.3
70°-80°	5603.0	14.3
80°-90°	253.7	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°	39236.0	100.0
0°-180°	39236.0	100.0

Coefficient of Utilization

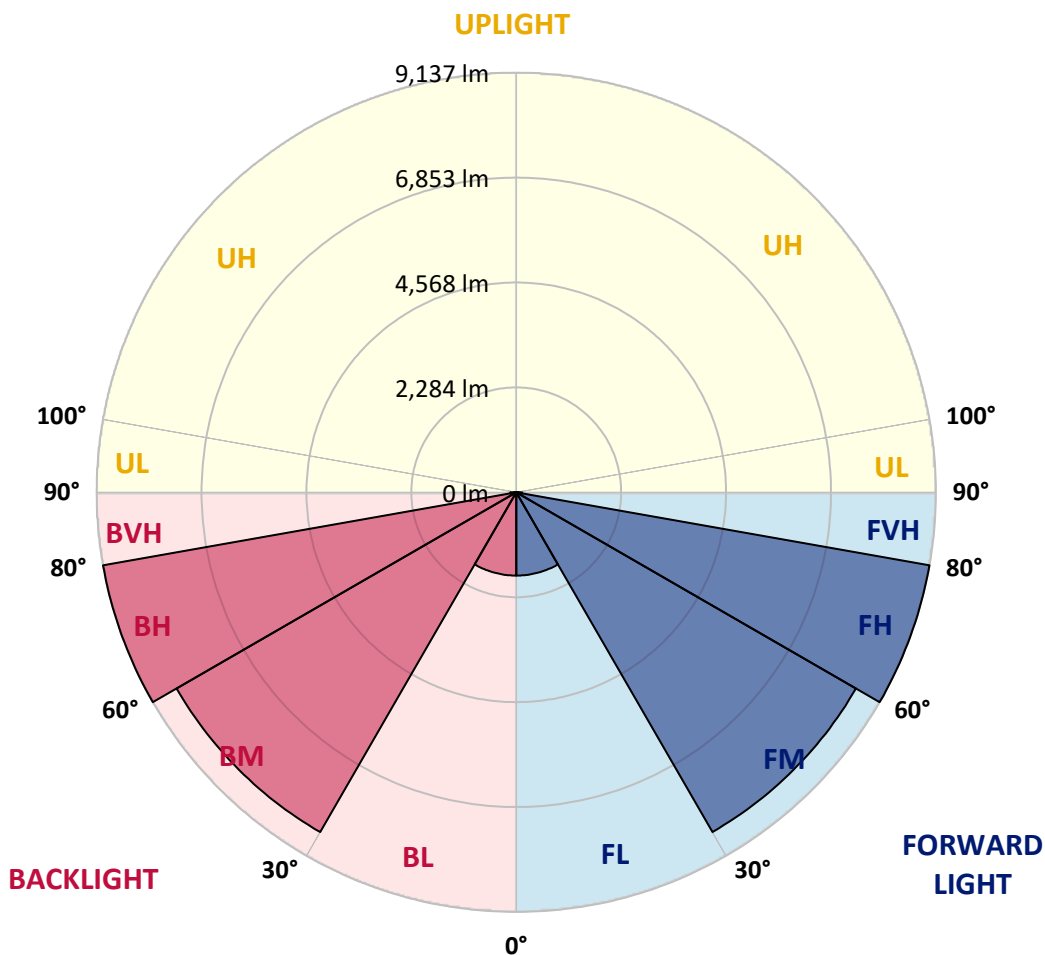


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1812.8	4.6			
FM (30°-60°)	8541.4	21.8			
FH (60°-80°)	9136.9	23.3			G4/12000
FVH (80°-90°)	126.9	0.3			G2/225
BL (0°-30°)	1812.8	4.6	B3/2500		
BM (30°-60°)	8541.4	21.8	B5		
BH (60°-80°)	9136.9	23.3	B5		G4/12000
BVH (80°-90°)	126.9	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°	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2	4285.2
2.5°	4278.7	4274.8	4283.9	4282.6	4274.8	4276.1	4276.1	4280.0	4280.0	4277.4	4277.4
5°	4263.1	4260.5	4270.9	4270.9	4263.1	4265.7	4268.3	4272.2	4270.9	4268.3	4267.0
7.5°	4243.6	4242.3	4252.7	4252.7	4247.5	4250.1	4247.5	4248.8	4246.2	4243.6	4239.7
10°	4211.2	4213.8	4222.9	4225.4	4225.4	4226.7	4224.2	4217.7	4213.8	4209.9	4206.0
12.5°	4181.3	4180.0	4193.0	4199.5	4209.9	4221.6	4213.8	4195.6	4187.8	4180.0	4177.4
15°	4161.8	4163.1	4176.1	4187.8	4206.0	4230.6	4221.6	4193.0	4177.4	4168.3	4165.7
17.5°	4157.9	4160.5	4177.4	4198.2	4217.7	4244.9	4239.7	4211.2	4185.2	4168.3	4164.4
20°	4167.0	4168.3	4194.3	4224.2	4257.9	4283.9	4272.2	4241.0	4206.0	4180.0	4173.5
22.5°	4183.9	4189.1	4221.6	4268.3	4320.2	4355.3	4341.0	4287.8	4233.2	4200.8	4191.7
25°	4237.1	4238.4	4282.6	4346.2	4408.5	4448.8	4431.9	4356.6	4286.5	4250.1	4238.4
27.5°	4347.5	4351.4	4395.6	4469.6	4522.8	4548.8	4538.4	4477.4	4417.6	4378.7	4382.6
30°	4507.2	4512.4	4561.8	4643.6	4676.0	4682.5	4679.9	4651.4	4596.8	4544.9	4548.8
32.5°	4702.0	4704.6	4770.8	4844.9	4870.8	4876.0	4870.8	4844.9	4779.9	4709.8	4713.7
35°	4952.6	4960.4	5024.1	5095.5	5116.2	5126.6	5117.5	5083.8	5016.3	4947.4	4944.8
37.5°	5261.7	5263.0	5329.2	5403.2	5429.2	5431.8	5421.4	5399.3	5314.9	5252.6	5248.7
40°	5620.1	5625.3	5703.2	5782.4	5792.8	5781.1	5795.4	5782.4	5695.4	5624.0	5635.7
42.5°	6056.4	6068.1	6161.6	6239.5	6209.6	6203.1	6212.2	6216.1	6146.0	6059.0	6051.2
45°	6564.1	6574.5	6691.4	6753.7	6734.2	6691.4	6709.6	6740.7	6643.3	6535.6	6545.9
47.5°	7143.3	7169.2	7293.9	7352.3	7304.3	7245.9	7280.9	7327.7	7213.4	7079.6	7073.1
50°	7787.3	7819.8	7986.0	8067.8	8019.8	7912.0	7970.4	8001.6	7836.7	7664.0	7649.7
52.5°	8474.3	8506.7	8715.8	8884.6	8853.4	8685.9	8767.7	8735.3	8545.7	8313.3	8295.1
55°	9252.1	9265.1	9491.0	9763.7	9794.9	9671.5	9666.3	9613.1	9332.6	9063.8	9050.8
57.5°	10052.0	10061.1	10353.3	10675.3	10822.0	10822.0	10676.6	10563.6	10190.9	9879.3	9846.8
60°	10915.5	10948.0	11271.3	11708.9	12051.7	12153.0	11895.9	11588.2	11183.0	10802.6	10764.9
62.5°	11684.3	11721.9	12216.7	12868.5	13419.1	13787.9	13159.4	12658.2	11920.6	11310.3	11238.9
65°	11781.7	11882.9	12603.6	13784.0	15016.3	15752.6	14547.5	13312.6	11968.6	11120.7	11048.0
67.5°	10759.7	10931.1	11905.0	13742.4	16288.9	17869.2	15434.4	12938.7	11106.4	10168.9	10088.4
70°	8267.8	8517.1	9640.4	12020.6	16069.4	18550.9	14878.7	11327.2	9259.9	8250.9	8137.9
72.5°	4535.8	4638.4	5648.6	8231.4	12882.8	15764.3	12410.1	8375.6	6140.8	4996.8	4807.2
75°	1438.8	1475.1	1989.4	3368.4	7287.4	10441.6	7883.4	4111.2	2263.4	1668.6	1649.1
77.5°	638.9	642.8	719.4	983.0	2510.1	5290.3	3015.2	1119.3	771.3	673.9	696.0
80°	403.8	403.8	445.4	487.0	683.0	1536.2	815.5	532.4	454.5	422.0	431.1
82.5°	193.5	214.3	289.6	311.6	375.3	516.8	418.1	348.0	303.9	225.9	210.4
85°	127.3	106.5	183.1	206.5	218.2	248.0	242.8	229.8	198.7	113.0	126.0
87.5°	57.1	54.5	94.8	87.0	81.8	62.3	93.5	115.6	111.7	55.8	55.8
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)