

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: P316552

Luminaire Tested: **GAN-SA8A-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316552
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-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 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: 39235 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

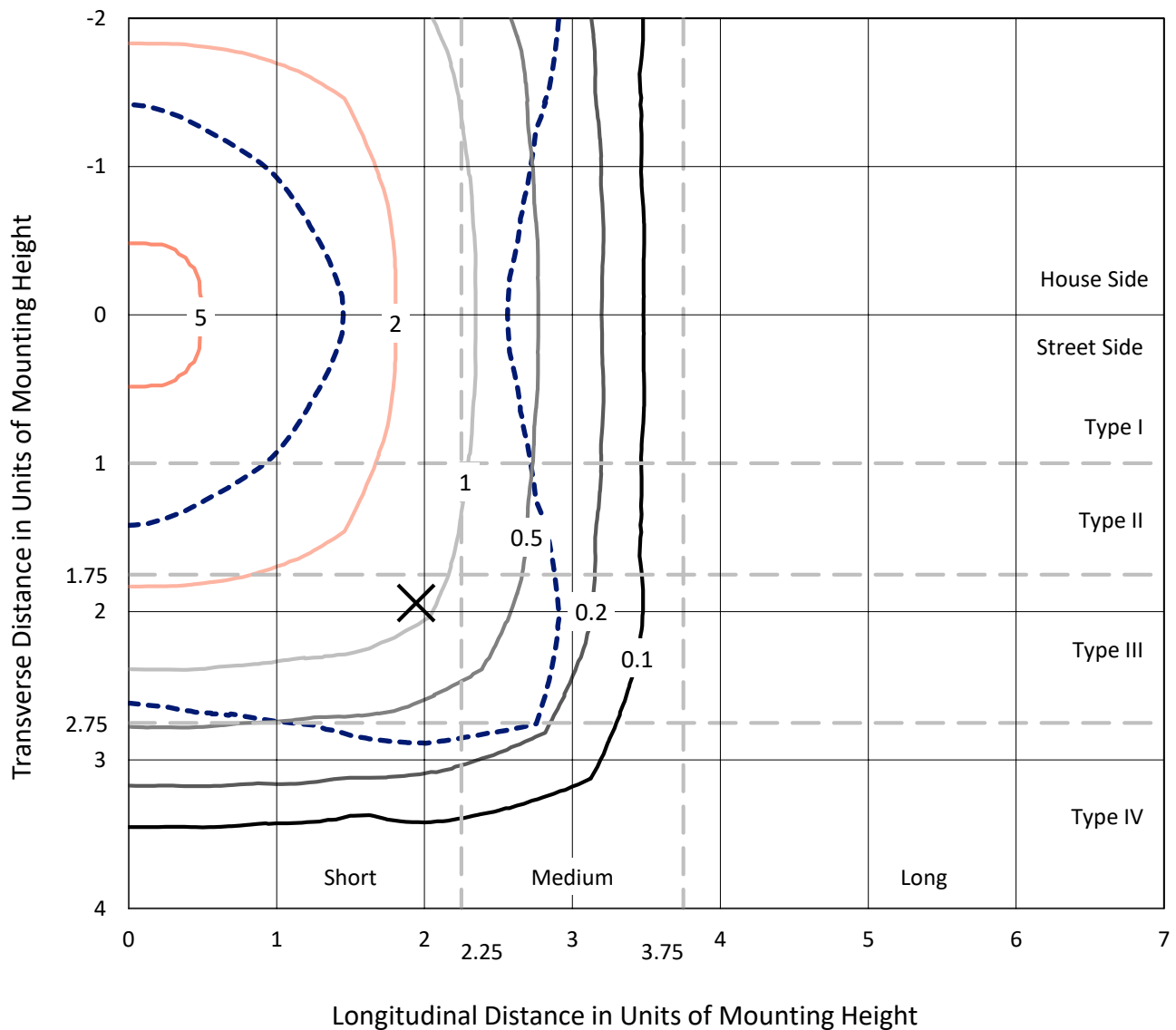


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Iso-Footcandle Lines of Horizontal Illumination

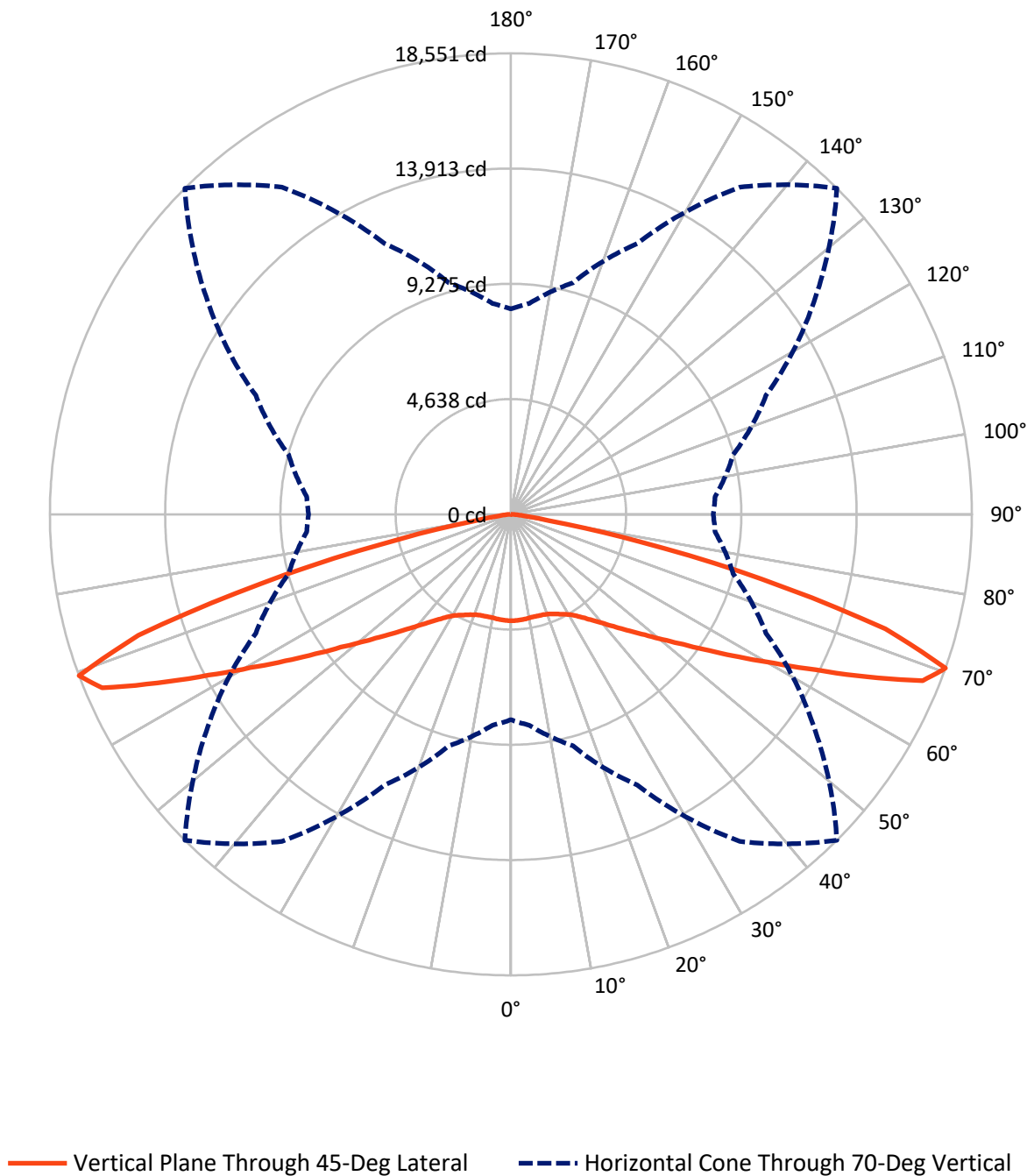
× Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19617.5	0.0	19617.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19617.5	0.0	19617.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39235.0	0.0	39235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.8	1.0
10°-20°	1191.4	3.0
20°-30°	2028.2	5.2
30°-40°	3216.7	8.2
40°-50°	5234.6	13.3
50°-60°	8631.0	22.0
60°-70°	12670.5	32.3
70°-80°	5602.9	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°	39235.0	100.0
0°-180°	39235.0	100.0

Coefficient of Utilization



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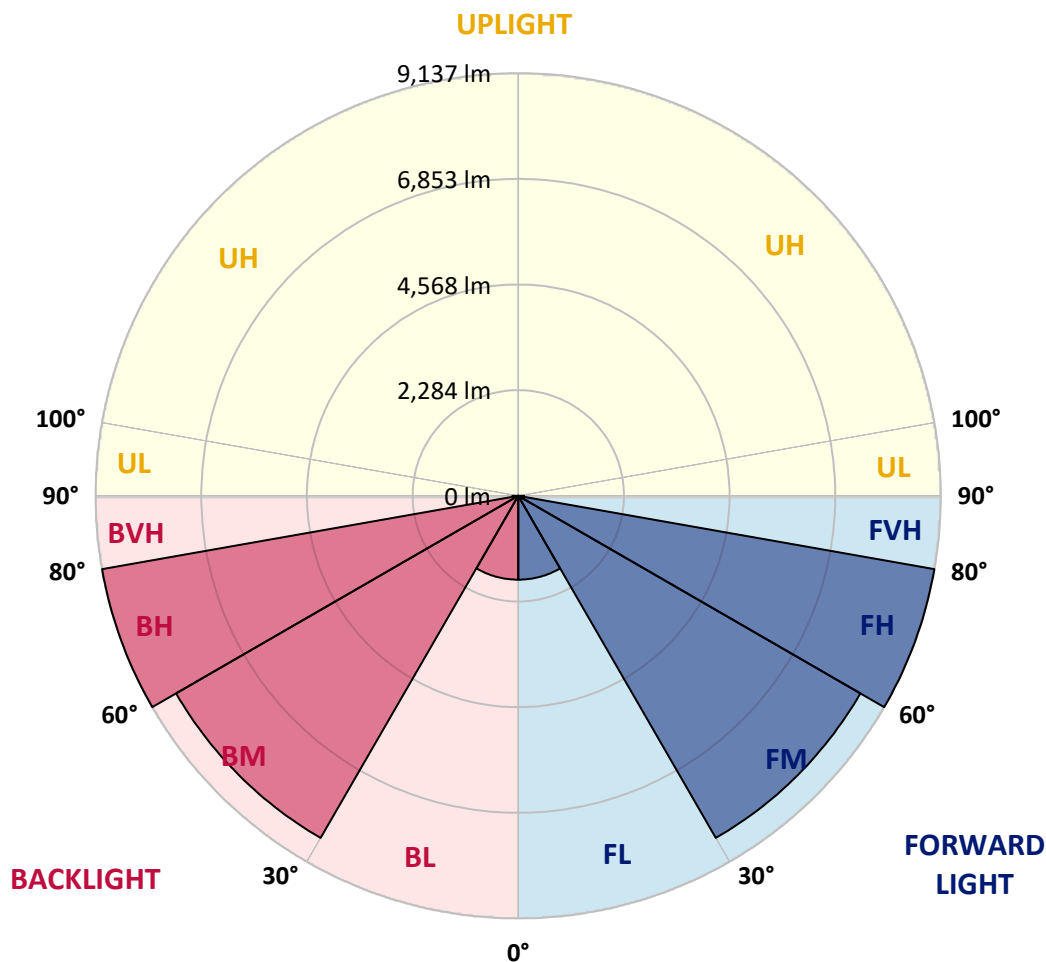
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1812.8	4.6			
FM	(30°-60°)	8541.2	21.8			
FH	(60°-80°)	9136.7	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°)	8541.2	21.8	B5		
BH	(60°-80°)	9136.7	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°	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1	4285.1
2.5°	4278.6	4274.7	4283.8	4282.5	4274.7	4276.0	4276.0	4279.9	4279.9	4277.3	4277.3
5°	4263.0	4260.4	4270.8	4270.8	4263.0	4265.6	4268.2	4272.1	4270.8	4268.2	4266.9
7.5°	4243.5	4242.2	4252.6	4252.6	4247.4	4250.0	4247.4	4248.7	4246.1	4243.5	4239.6
10°	4211.1	4213.7	4222.7	4225.3	4225.3	4226.6	4224.0	4217.6	4213.7	4209.8	4205.9
12.5°	4181.2	4179.9	4192.9	4199.4	4209.8	4221.4	4213.7	4195.5	4187.7	4179.9	4177.3
15°	4161.7	4163.0	4176.0	4187.7	4205.9	4230.5	4221.4	4192.9	4177.3	4168.2	4165.6
17.5°	4157.8	4160.4	4177.3	4198.1	4217.6	4244.8	4239.6	4211.1	4185.1	4168.2	4164.3
20°	4166.9	4168.2	4194.2	4224.0	4257.8	4283.8	4272.1	4240.9	4205.9	4179.9	4173.4
22.5°	4183.8	4189.0	4221.4	4268.2	4320.1	4355.2	4340.9	4287.7	4233.1	4200.7	4191.6
25°	4237.0	4238.3	4282.5	4346.1	4408.4	4448.7	4431.8	4356.5	4286.4	4250.0	4238.3
27.5°	4347.4	4351.3	4395.4	4469.5	4522.7	4548.7	4538.3	4477.3	4417.5	4378.6	4382.5
30°	4507.1	4512.3	4561.7	4643.5	4675.9	4682.4	4679.8	4651.3	4596.7	4544.8	4548.7
32.5°	4701.9	4704.5	4770.7	4844.7	4870.7	4875.9	4870.7	4844.7	4779.8	4709.7	4713.6
35°	4952.5	4960.3	5023.9	5095.3	5116.1	5126.5	5117.4	5083.7	5016.1	4947.3	4944.7
37.5°	5261.5	5262.8	5329.1	5403.1	5429.1	5431.7	5421.3	5399.2	5314.8	5252.5	5248.6
40°	5619.9	5625.1	5703.0	5782.3	5792.6	5781.0	5795.2	5782.3	5695.3	5623.8	5635.5
42.5°	6056.2	6067.9	6161.4	6239.3	6209.5	6203.0	6212.1	6216.0	6145.8	6058.8	6051.0
45°	6564.0	6574.3	6691.2	6753.5	6734.1	6691.2	6709.4	6740.5	6643.2	6535.4	6545.8
47.5°	7143.1	7169.1	7293.7	7352.1	7304.1	7245.7	7280.7	7327.5	7213.2	7079.5	7073.0
50°	7787.1	7819.6	7985.8	8067.6	8019.6	7911.8	7970.2	8001.4	7836.5	7663.8	7649.5
52.5°	8474.1	8506.5	8715.6	8884.4	8853.2	8685.7	8767.5	8735.1	8545.5	8313.0	8294.9
55°	9251.9	9264.8	9490.8	9763.5	9794.6	9671.3	9666.1	9612.8	9332.4	9063.6	9050.6
57.5°	10051.7	10060.8	10353.0	10675.0	10821.8	10821.8	10676.3	10563.4	10190.7	9879.0	9846.6
60°	10915.2	10947.7	11271.0	11708.6	12051.4	12152.7	11895.6	11587.9	11182.7	10802.3	10764.6
62.5°	11684.0	11721.6	12216.4	12868.2	13418.8	13787.5	13159.1	12657.8	11920.3	11310.0	11238.6
65°	11781.4	11882.6	12603.3	13783.7	15015.9	15752.2	14547.2	13312.3	11968.3	11120.4	11047.7
67.5°	10759.4	10930.8	11904.7	13742.1	16288.5	17868.8	15434.1	12938.3	11106.1	10168.6	10088.1
70°	8267.6	8516.9	9640.1	12020.3	16069.0	18550.5	14878.3	11326.9	9259.7	8250.7	8137.7
72.5°	4535.7	4638.3	5648.5	8231.2	12882.5	15763.9	12409.8	8375.4	6140.6	4996.7	4807.1
75°	1438.7	1475.1	1989.3	3368.3	7287.2	10441.3	7883.2	4111.1	2263.3	1668.6	1649.1
77.5°	638.9	642.8	719.4	983.0	2510.0	5290.1	3015.1	1119.3	771.3	673.9	696.0
80°	403.8	403.8	445.4	486.9	683.0	1536.1	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	218.1	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)