

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: P316333

Luminaire Tested: **GAN-SA9C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52926 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

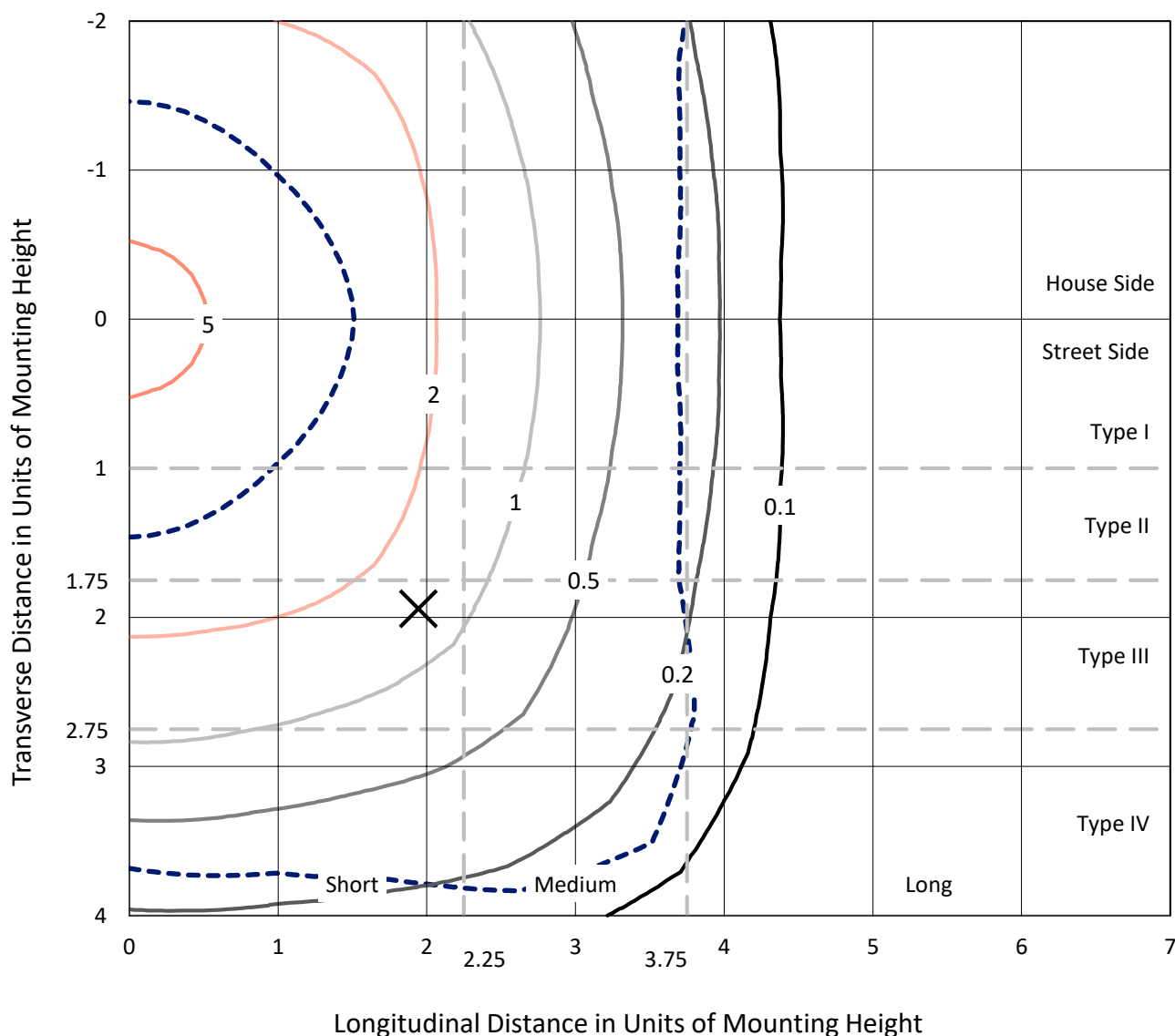
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

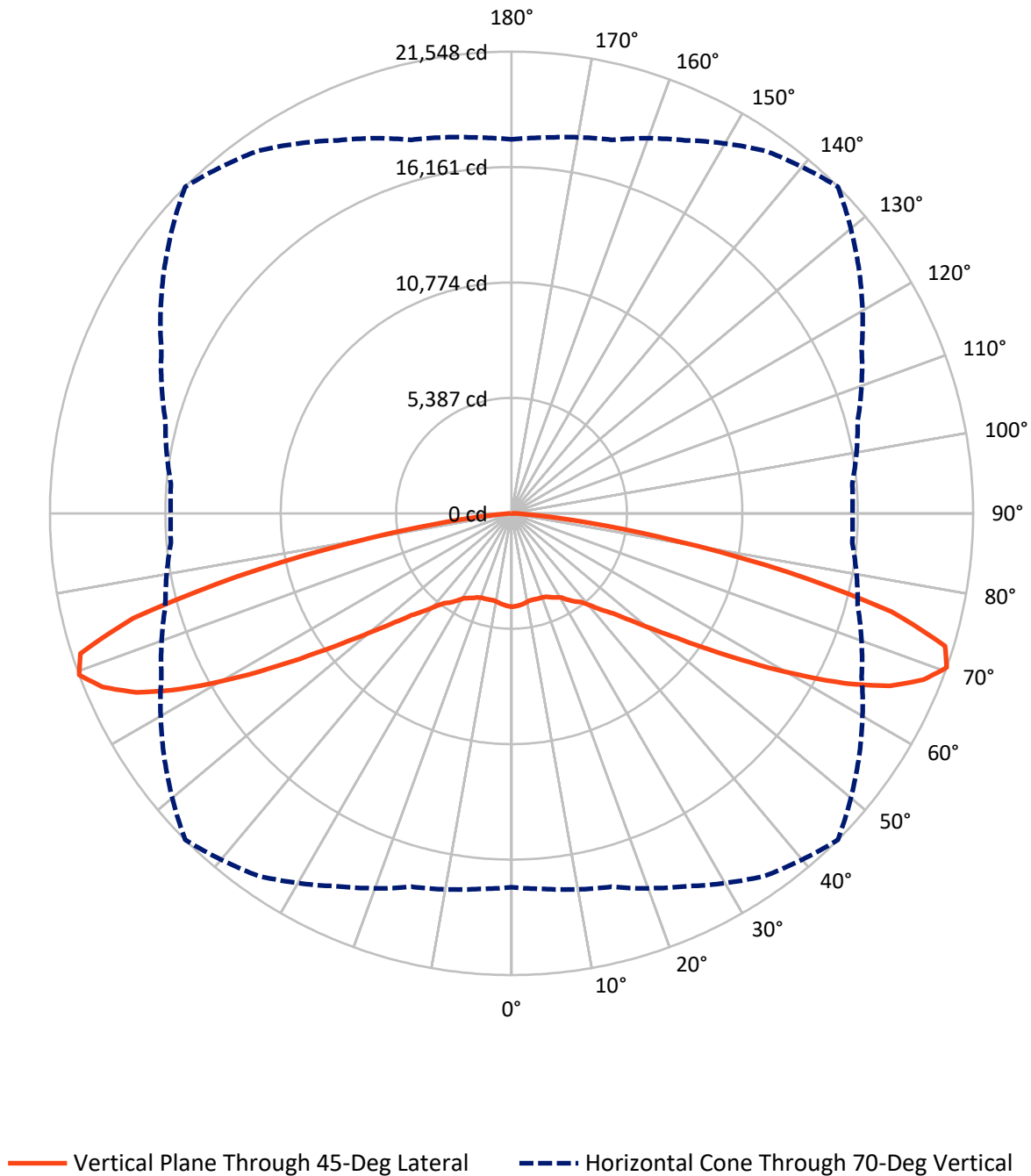
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	26463.0	0.0	26463.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26463.0	0.0	26463.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52926.0	0.0	52926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	0.8
10°-20°	1187.5	2.2
20°-30°	2024.7	3.8
30°-40°	3163.6	6.0
40°-50°	5361.6	10.1
50°-60°	9777.4	18.5
60°-70°	16832.4	31.8
70°-80°	13193.9	24.9
80°-90°	978.3	1.8
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°	52926.0	100.0
0°-180°	52926.0	100.0

Coefficient of Utilization



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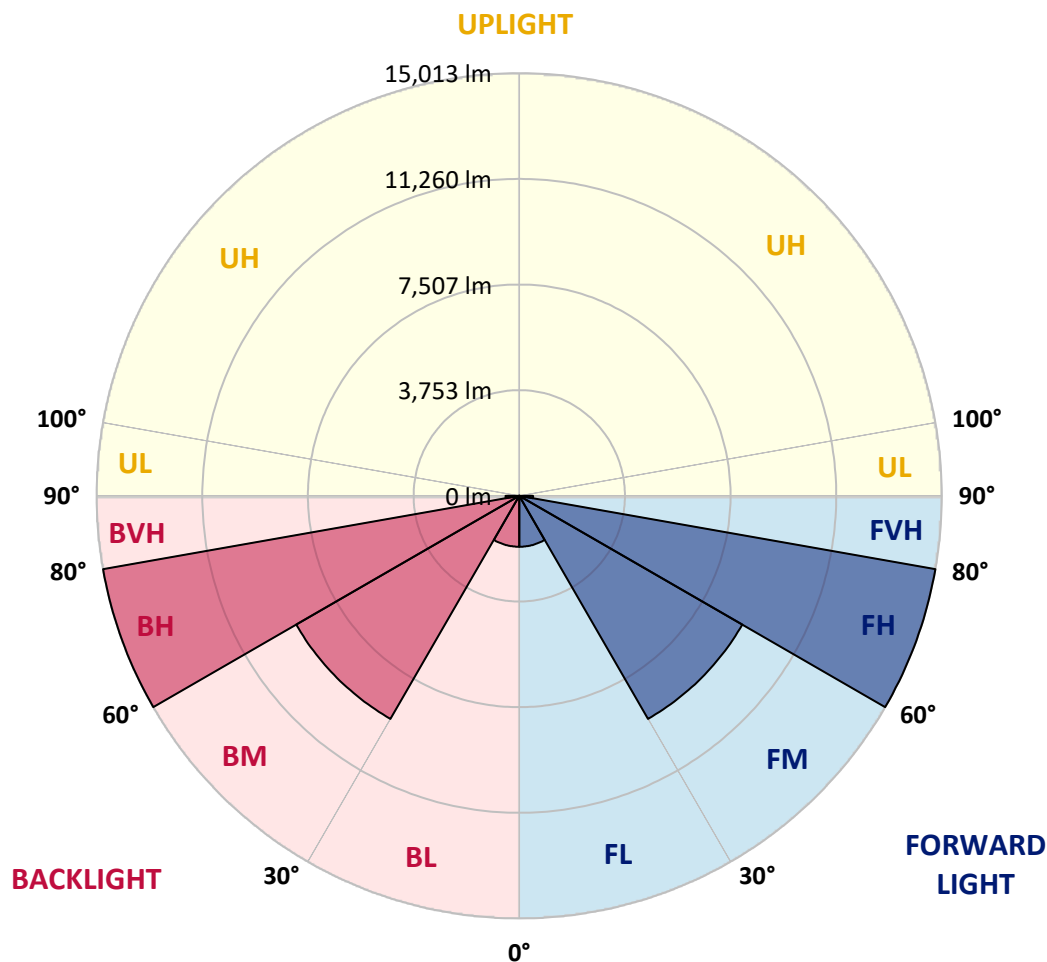
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1809.4	3.4			
FM	(30°-60°)	9151.3	17.3			
FH	(60°-80°)	15013.1	28.4			G5
FVH	(80°-90°)	489.2	0.9			G3/500
BL	(0°-30°)	1809.4	3.4	B3/2500		
BM	(30°-60°)	9151.3	17.3	B5		
BH	(60°-80°)	15013.1	28.4	B5		G5
BVH	(80°-90°)	489.2	0.9			G3/500
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8	4355.8
2.5°	4336.6	4341.8	4336.6	4340.1	4331.3	4334.8	4334.8	4334.8	4333.1	4334.8	4331.3
5°	4298.0	4301.5	4294.5	4298.0	4292.8	4298.0	4299.8	4298.0	4294.5	4296.3	4289.3
7.5°	4240.3	4243.8	4238.5	4243.8	4236.8	4245.5	4243.8	4238.5	4233.3	4233.3	4226.3
10°	4208.8	4210.5	4196.5	4191.2	4175.5	4179.0	4184.2	4189.5	4194.7	4205.3	4203.5
12.5°	4210.5	4210.5	4189.5	4166.7	4144.0	4149.2	4158.0	4177.2	4198.3	4217.5	4219.3
15°	4228.0	4226.3	4194.7	4158.0	4142.2	4158.0	4163.2	4175.5	4208.8	4242.0	4243.8
17.5°	4240.3	4240.3	4191.2	4149.2	4147.5	4172.0	4170.2	4175.5	4212.3	4261.3	4263.0
20°	4263.0	4263.0	4200.0	4154.5	4154.5	4180.7	4182.5	4191.2	4228.0	4282.3	4291.0
22.5°	4313.8	4315.6	4249.0	4212.3	4215.8	4231.5	4236.8	4250.8	4284.0	4343.6	4354.1
25°	4385.6	4389.1	4320.8	4299.8	4312.0	4341.8	4338.3	4348.8	4385.6	4443.4	4453.9
27.5°	4485.4	4476.6	4413.6	4404.8	4417.1	4438.1	4436.4	4438.1	4467.9	4520.4	4532.6
30°	4614.9	4611.4	4565.9	4571.2	4565.9	4558.9	4560.7	4574.7	4590.4	4632.4	4644.7
32.5°	4741.0	4744.5	4716.5	4742.7	4781.2	4807.5	4767.2	4728.7	4711.2	4734.0	4744.5
35°	4968.6	4977.3	4933.6	4916.1	4968.6	5045.6	4931.8	4868.8	4903.8	4933.6	4942.3
37.5°	5355.5	5360.7	5287.2	5217.2	5178.7	5252.2	5138.4	5143.6	5266.2	5322.2	5320.5
40°	5796.7	5798.4	5749.4	5688.1	5621.6	5639.1	5593.6	5607.6	5688.1	5738.9	5752.9
42.5°	6321.9	6316.6	6239.6	6152.1	6132.8	6150.3	6073.3	6062.8	6155.6	6246.6	6248.4
45°	7002.9	6990.7	6890.9	6794.6	6701.8	6663.3	6644.0	6694.8	6822.6	6906.6	6908.4
47.5°	7736.5	7703.2	7650.7	7573.7	7493.1	7454.6	7423.1	7447.6	7540.4	7573.7	7577.2
50°	8491.0	8498.0	8508.5	8478.8	8449.0	8436.8	8354.5	8307.2	8335.2	8274.0	8265.2
52.5°	9385.7	9399.7	9501.2	9587.0	9637.8	9664.0	9508.2	9345.4	9254.4	9135.3	9100.3
55°	10441.4	10464.1	10612.9	10851.0	11096.1	11225.7	10943.8	10639.2	10357.3	10135.0	10063.2
57.5°	11617.8	11658.1	11862.9	12319.9	12822.3	13128.7	12652.5	12099.3	11554.8	11234.4	11178.4
60°	12997.4	13035.9	13319.6	13974.3	14788.4	15248.9	14527.6	13622.4	12944.9	12638.5	12535.2
62.5°	14639.6	14643.1	14991.5	15756.6	16831.5	17472.3	16495.4	15285.6	14587.1	14217.7	14117.9
65°	16406.1	16414.8	16775.5	17601.8	18713.6	19410.3	18307.4	17046.9	16192.5	15648.0	15571.0
67.5°	17654.4	17691.1	18071.0	19065.5	20105.4	20733.9	19592.4	18167.3	17179.9	16530.4	16465.6
70°	17454.8	17598.3	18044.8	19205.5	20651.6	21548.0	19800.8	18034.3	16731.7	15964.9	15910.6
72.5°	15222.6	15497.5	16092.7	17615.8	19928.6	21162.8	18664.5	16152.2	14678.1	14025.1	13927.1
75°	10366.1	10812.5	11710.6	13907.8	17025.9	18323.1	15712.8	12878.4	11491.8	10588.4	10521.9
77.5°	4621.9	4723.5	5861.4	8391.3	11749.2	13158.5	11416.5	8424.5	6323.6	5043.9	4774.2
80°	1288.5	1304.3	1740.2	3125.1	5880.7	7731.2	6313.1	3282.6	1845.3	1300.8	1225.5
82.5°	409.7	444.7	542.7	810.6	1976.6	3527.7	2029.1	875.4	623.3	497.2	448.2
85°	199.6	197.8	274.9	329.1	504.2	780.8	537.5	406.2	355.4	236.3	213.6
87.5°	84.0	85.8	127.8	115.5	147.1	126.1	173.3	182.1	190.8	105.0	91.0
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)