

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: P316953

Luminaire Tested: **GAN-SA9A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34150 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

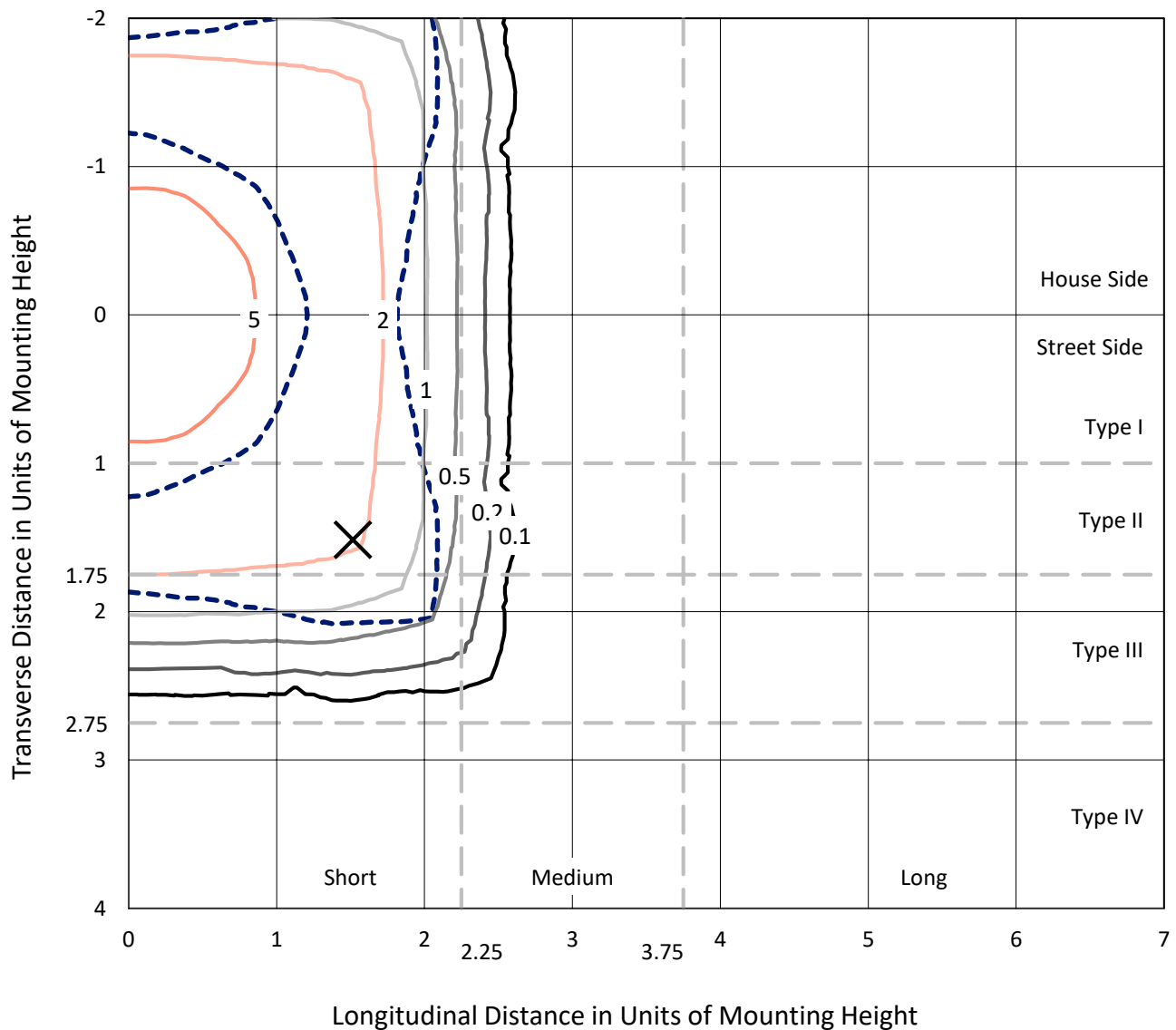
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

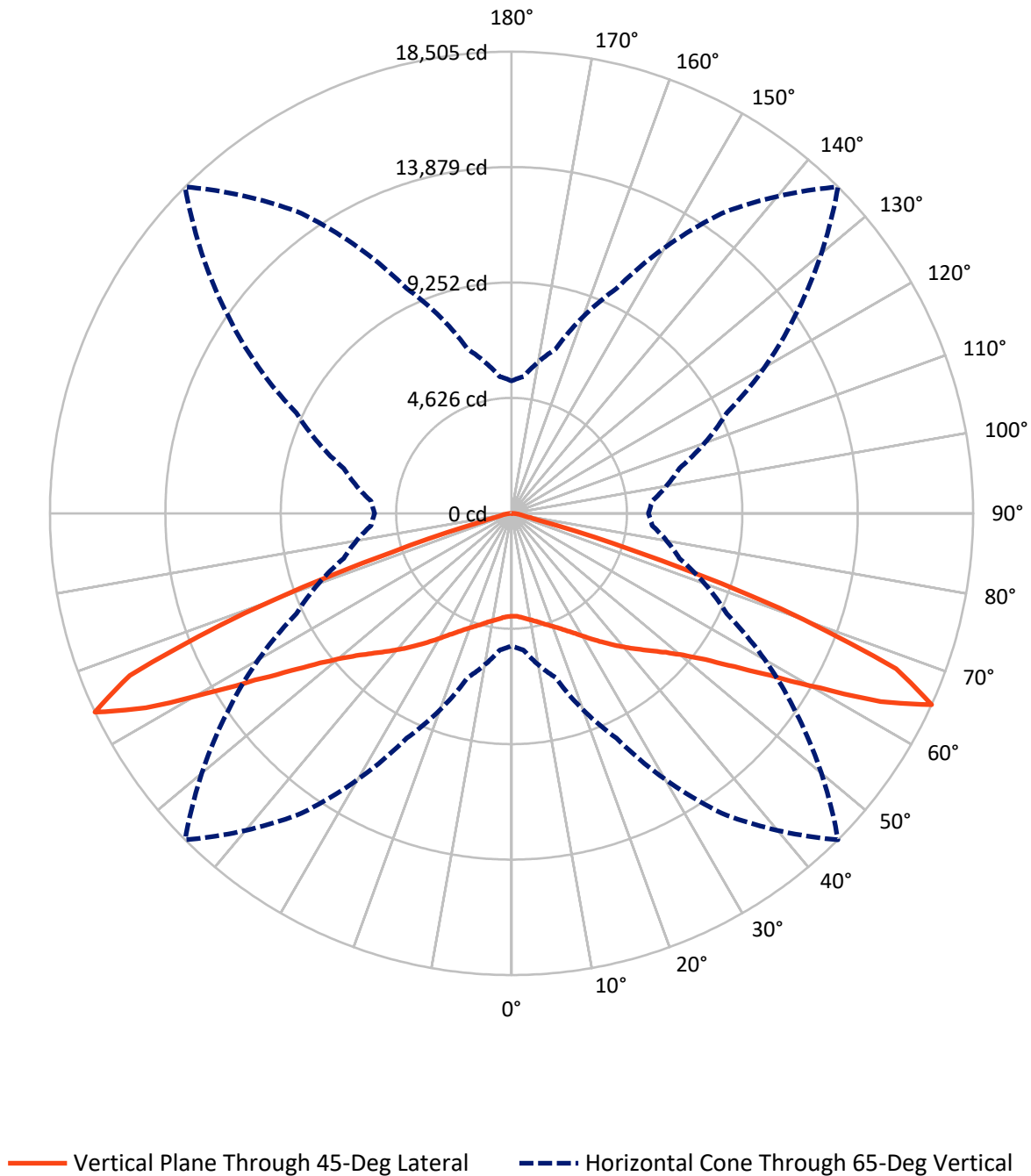
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	17075.0	0.0	17075.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17075.0	0.0	17075.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34150.0	0.0	34150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.6	1.2
10°-20°	1300.6	3.8
20°-30°	2440.1	7.1
30°-40°	4035.5	11.8
40°-50°	6250.4	18.3
50°-60°	9586.3	28.1
60°-70°	8945.1	26.2
70°-80°	1041.1	3.0
80°-90°	146.3	0.4
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°	34150.0	100.0
0°-180°	34150.0	100.0

Coefficient of Utilization



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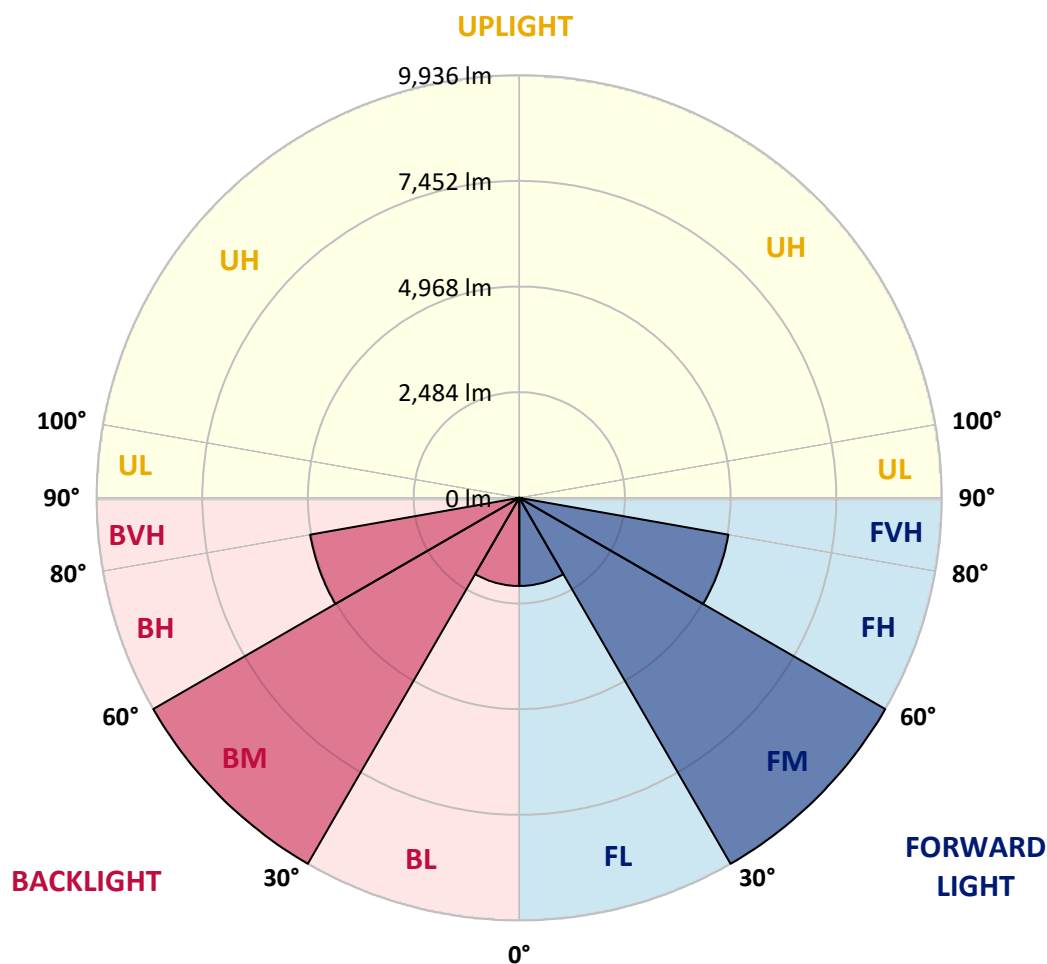
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2072.7	6.1			
FM	(30°-60°)	9936.1	29.1			
FH	(60°-80°)	4993.1	14.6			G2/5000
FVH	(80°-90°)	73.1	0.2			G1/100
BL	(0°-30°)	2072.7	6.1	B3/2500		
BM	(30°-60°)	9936.1	29.1	B5		
BH	(60°-80°)	4993.1	14.6	B4/5000		G2/5000
BVH	(80°-90°)	73.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0	4124.0
2.5°	4137.6	4135.4	4137.6	4138.8	4132.0	4135.4	4134.2	4139.9	4142.2	4139.9	4139.9
5°	4185.3	4181.9	4186.4	4192.1	4183.0	4185.3	4181.9	4188.7	4190.9	4186.4	4189.8
7.5°	4251.0	4252.1	4256.7	4266.9	4261.2	4265.7	4258.9	4260.1	4258.9	4252.1	4253.3
10°	4322.4	4323.6	4331.5	4345.1	4347.4	4347.4	4342.8	4339.4	4334.9	4330.4	4331.5
12.5°	4408.6	4414.2	4419.9	4436.9	4436.9	4446.0	4443.7	4434.7	4426.7	4419.9	4419.9
15°	4525.3	4524.2	4531.0	4548.0	4555.9	4570.7	4570.7	4558.2	4548.0	4541.2	4538.9
17.5°	4647.8	4651.2	4655.7	4676.1	4688.6	4705.6	4707.9	4697.6	4690.8	4681.8	4676.1
20°	4790.6	4796.3	4814.4	4822.3	4833.7	4849.6	4855.2	4853.0	4846.1	4841.6	4842.7
22.5°	4957.2	4972.0	4983.3	4994.7	5008.3	5019.6	5025.3	5033.2	5026.4	5023.0	5020.7
25°	5159.0	5169.2	5191.9	5212.3	5221.4	5224.8	5231.6	5242.9	5241.8	5233.8	5233.8
27.5°	5388.0	5407.3	5435.6	5465.1	5465.1	5453.8	5476.4	5495.7	5488.9	5478.7	5465.1
30°	5665.7	5683.9	5716.8	5757.6	5737.2	5729.2	5759.8	5795.0	5784.8	5767.8	5765.5
32.5°	5965.0	5982.0	6025.1	6069.3	6043.2	6031.9	6064.8	6115.8	6097.6	6063.6	6043.2
35°	6289.2	6306.2	6367.4	6420.7	6376.5	6357.2	6384.4	6440.0	6408.3	6344.8	6328.9
37.5°	6641.8	6650.8	6730.2	6784.6	6754.0	6703.0	6737.0	6777.8	6750.6	6673.5	6642.9
40°	7007.9	7040.8	7132.6	7196.1	7142.8	7062.3	7119.0	7175.7	7134.9	7036.3	6984.1
42.5°	7435.3	7460.2	7582.7	7639.3	7553.2	7439.8	7516.9	7594.0	7553.2	7458.0	7412.6
45°	7879.7	7918.2	8064.4	8121.1	7996.4	7852.5	7946.6	8081.5	8078.0	7940.9	7893.3
47.5°	8363.7	8402.3	8576.8	8651.7	8516.8	8324.0	8456.7	8647.1	8633.5	8482.7	8444.2
50°	8922.6	8963.4	9181.0	9275.1	9149.3	8924.9	9124.4	9292.1	9267.2	9081.3	9084.7
52.5°	9624.3	9622.0	9892.9	10056.2	9927.0	9728.6	9912.2	10075.5	9972.3	9715.0	9707.0
55°	10238.7	10276.1	10611.7	10921.1	10913.2	10837.2	10910.9	10917.7	10623.0	10280.6	10238.7
57.5°	10642.3	10713.7	11186.4	11746.4	12165.8	12266.7	12123.9	11690.8	11000.5	10452.9	10386.1
60°	10394.0	10502.8	11245.3	12386.9	13622.5	14215.4	13409.4	12066.1	10706.9	9944.0	9853.3
62.5°	8718.5	8902.2	9989.3	12077.4	14876.3	16609.5	14341.2	11464.1	9539.3	8488.4	8333.1
65°	5309.8	5503.6	6814.1	9940.6	14673.3	18504.9	13916.1	9515.5	6962.6	5655.5	5487.8
67.5°	1769.6	1826.2	2598.2	5494.6	11532.1	16626.5	11551.4	5696.4	3030.1	2008.7	1949.8
70°	692.6	698.3	824.1	1592.7	5445.8	11419.9	6009.2	1621.1	861.5	681.3	696.0
72.5°	509.0	511.3	546.4	665.4	1419.3	5030.9	1470.3	668.8	531.7	477.2	477.2
75°	409.2	409.2	434.2	485.2	636.0	1154.0	645.0	479.5	416.0	380.9	376.4
77.5°	323.1	329.9	349.1	382.0	430.8	555.5	446.6	379.8	335.5	302.7	295.9
80°	240.3	247.1	278.9	294.7	309.5	385.4	329.9	297.0	265.3	226.7	219.9
82.5°	157.6	164.4	204.0	213.1	209.7	251.7	222.2	218.8	195.0	146.2	139.4
85°	103.2	105.4	136.0	141.7	130.4	114.5	141.7	149.6	136.0	95.2	91.8
87.5°	48.7	48.7	69.1	64.6	58.9	47.6	64.6	76.0	77.1	46.5	45.3
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)