

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: P316433

Luminaire Tested: **GAN-SA9A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316433
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-SA9A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 39858 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

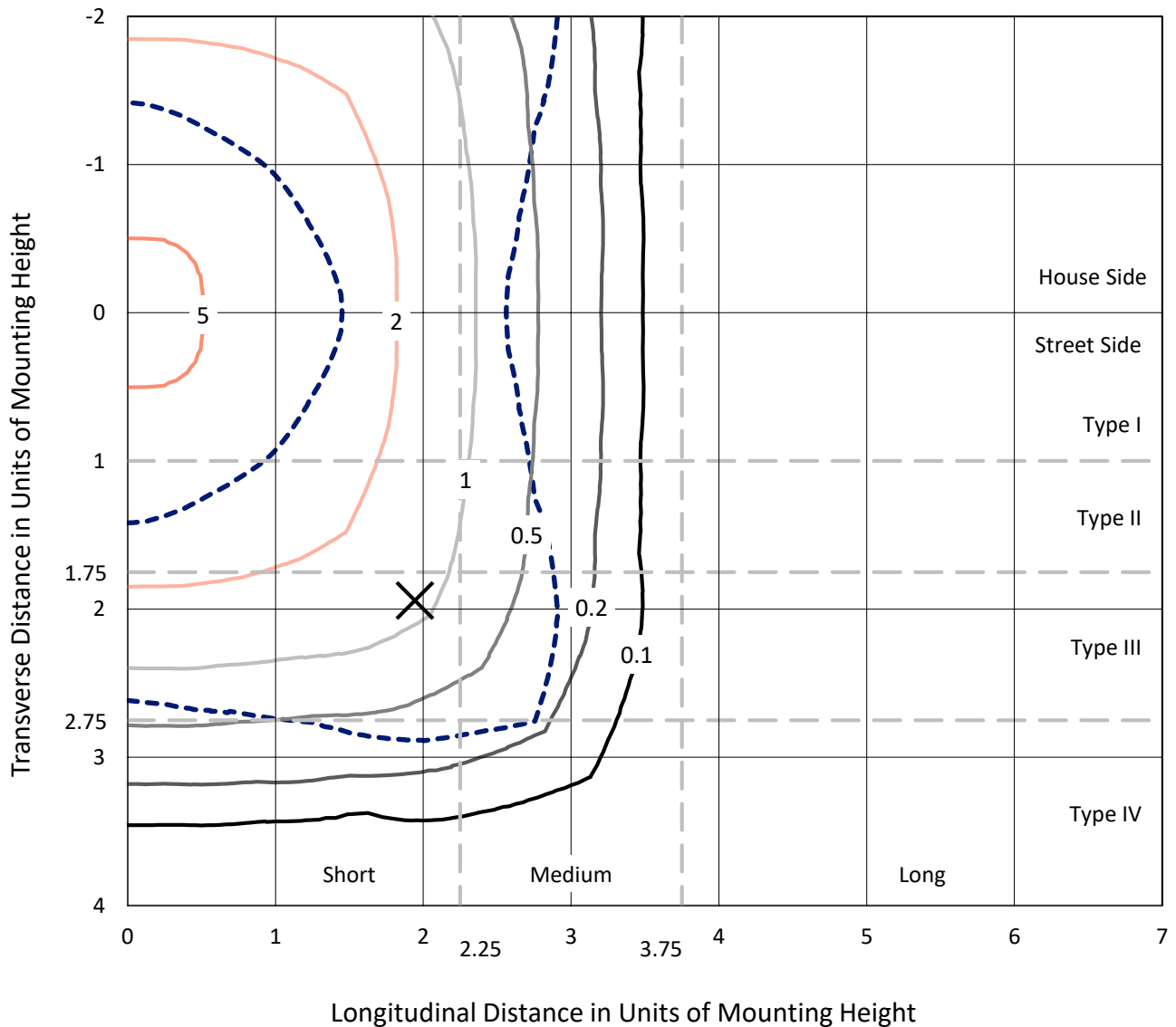
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

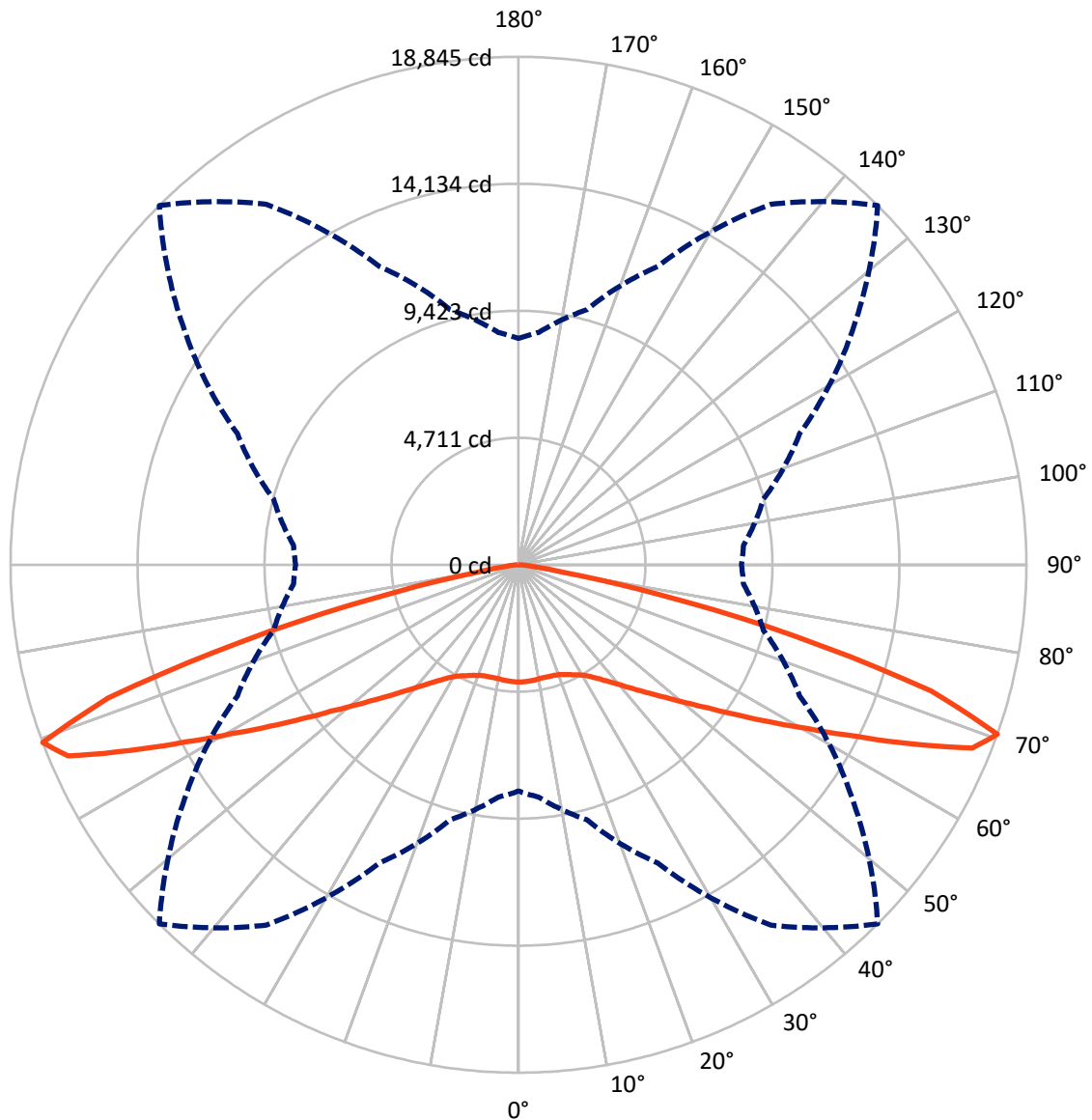
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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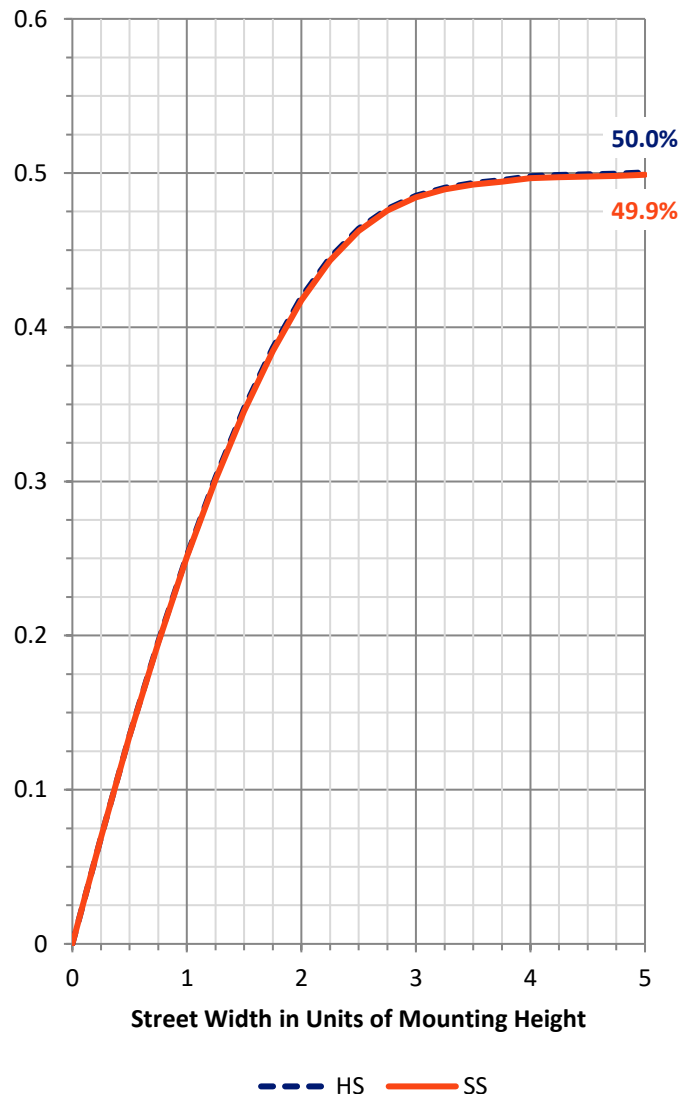
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19929.0	0.0	19929.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19929.0	0.0	19929.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39858.0	0.0	39858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.3	1.0
10°-20°	1210.4	3.0
20°-30°	2060.4	5.2
30°-40°	3267.8	8.2
40°-50°	5317.8	13.3
50°-60°	8768.0	22.0
60°-70°	12871.7	32.3
70°-80°	5691.8	14.3
80°-90°	257.8	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°	39858.0	100.0
0°-180°	39858.0	100.0

Coefficient of Utilization



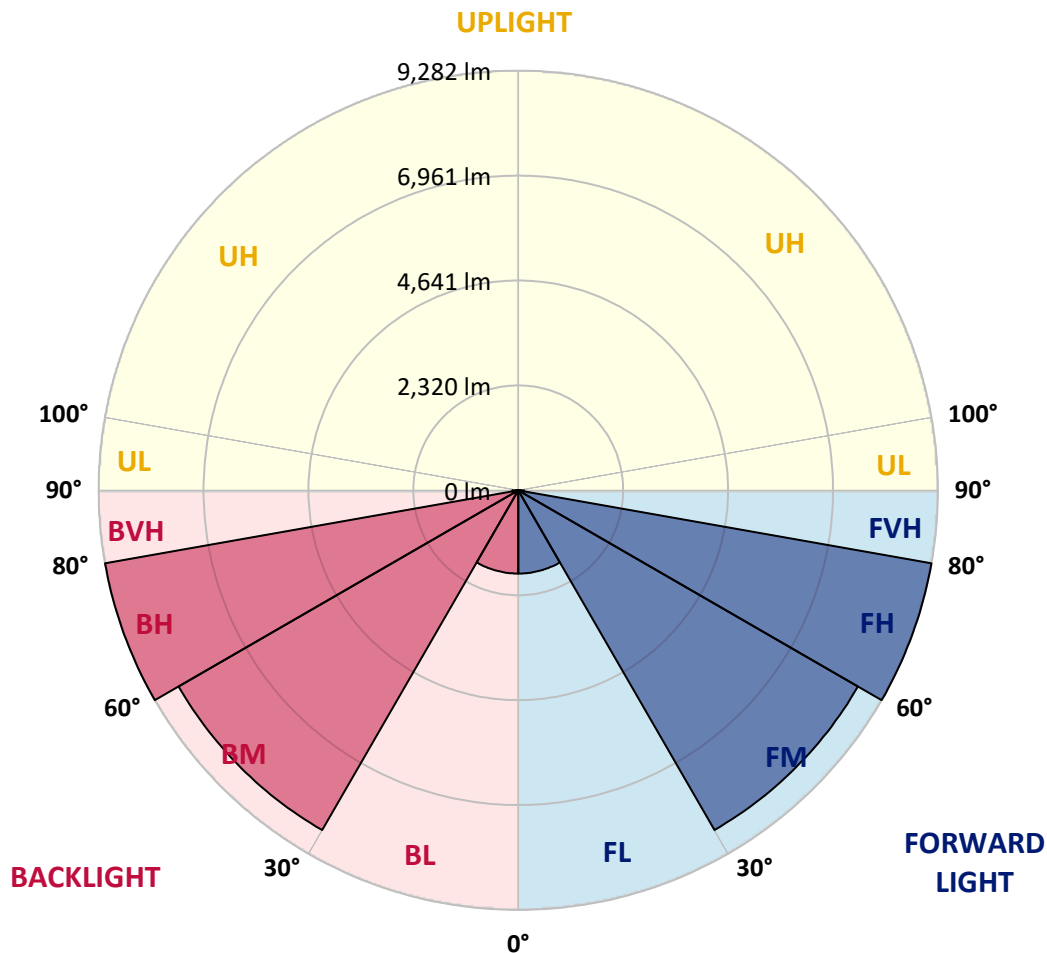
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1841.5	4.6			
FM (30°-60°)	8676.8	21.8			
FH (60°-80°)	9281.8	23.3			G4/12000
FVH (80°-90°)	128.9	0.3			G2/225
BL (0°-30°)	1841.5	4.6	B3/2500		
BM (30°-60°)	8676.8	21.8	B5		
BH (60°-80°)	9281.8	23.3	B5		G4/12000
BVH (80°-90°)	128.9	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°	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1	4353.1
2.5°	4346.5	4342.6	4351.8	4350.5	4342.6	4343.9	4343.9	4347.8	4347.8	4345.2	4345.2
5°	4330.7	4328.1	4338.6	4338.6	4330.7	4333.3	4336.0	4339.9	4338.6	4336.0	4334.6
7.5°	4310.9	4309.6	4320.1	4320.1	4314.9	4317.5	4314.9	4316.2	4313.5	4310.9	4306.9
10°	4277.9	4280.6	4289.8	4292.4	4292.4	4293.8	4291.1	4284.5	4280.6	4276.6	4272.6
12.5°	4247.6	4246.3	4259.5	4266.1	4276.6	4288.5	4280.6	4262.1	4254.2	4246.3	4243.6
15°	4227.8	4229.1	4242.3	4254.2	4272.6	4297.7	4288.5	4259.5	4243.6	4234.4	4231.8
17.5°	4223.8	4226.5	4243.6	4264.7	4284.5	4312.2	4306.9	4277.9	4251.5	4234.4	4230.4
20°	4233.1	4234.4	4260.8	4291.1	4325.4	4351.8	4339.9	4308.3	4272.6	4246.3	4239.7
22.5°	4250.2	4255.5	4288.5	4336.0	4388.7	4424.3	4409.8	4355.8	4300.3	4267.4	4258.1
25°	4304.3	4305.6	4350.5	4415.1	4478.4	4519.3	4502.2	4425.7	4354.4	4317.5	4305.6
27.5°	4416.4	4420.4	4465.2	4540.4	4594.5	4620.9	4610.3	4548.3	4487.7	4448.1	4452.0
30°	4578.7	4584.0	4634.1	4717.2	4750.2	4756.8	4754.1	4725.1	4669.7	4616.9	4620.9
32.5°	4776.6	4779.2	4846.5	4921.7	4948.0	4953.3	4948.0	4921.7	4855.7	4784.5	4788.4
35°	5031.1	5039.1	5103.7	5176.2	5197.4	5207.9	5198.7	5164.4	5095.8	5025.9	5023.2
37.5°	5345.1	5346.4	5413.7	5488.9	5515.3	5517.9	5507.3	5484.9	5399.2	5335.9	5331.9
40°	5709.2	5714.5	5793.6	5874.1	5884.6	5872.7	5887.3	5874.1	5785.7	5713.1	5725.0
42.5°	6152.4	6164.3	6259.3	6338.4	6308.1	6301.5	6310.7	6314.7	6243.4	6155.0	6147.1
45°	6668.2	6678.7	6797.5	6860.8	6841.0	6797.5	6815.9	6847.6	6748.6	6639.2	6649.7
47.5°	7256.5	7282.9	7409.5	7468.9	7420.1	7360.7	7396.3	7443.8	7327.7	7191.9	7185.3
50°	7910.8	7943.8	8112.6	8195.7	8146.9	8037.4	8096.8	8128.5	7960.9	7785.5	7771.0
52.5°	8608.6	8641.6	8854.0	9025.5	8993.8	8823.6	8906.7	8873.8	8681.2	8445.0	8426.6
55°	9398.8	9412.0	9641.5	9918.5	9950.2	9824.8	9819.6	9765.5	9480.6	9207.5	9194.3
57.5°	10211.3	10220.6	10517.4	10844.5	10993.6	10993.6	10845.8	10731.1	10352.5	10035.9	10002.9
60°	11088.6	11121.5	11450.0	11894.6	12242.8	12345.7	12084.5	11771.9	11360.3	10973.8	10935.5
62.5°	11869.5	11907.7	12410.3	13072.5	13631.8	14006.5	13368.0	12858.8	12109.6	11489.6	11417.0
65°	11968.4	12071.3	12803.4	14002.5	15254.4	16002.3	14778.2	13523.7	12158.4	11297.0	11223.1
67.5°	10930.3	11104.4	12093.7	13960.3	16547.1	18152.5	15679.1	13143.8	11282.5	10330.1	10248.3
70°	8398.9	8652.1	9793.2	12211.1	16324.2	18845.0	15114.5	11506.7	9406.7	8381.7	8267.0
72.5°	4607.7	4711.9	5738.2	8361.9	13087.0	16014.2	12606.9	8508.4	6238.1	5076.0	4883.4
75°	1461.6	1498.5	2020.9	3421.8	7402.9	10607.1	8008.4	4176.4	2299.2	1695.1	1675.3
77.5°	649.0	653.0	730.8	998.6	2549.9	5374.1	3063.0	1137.1	783.6	684.6	707.1
80°	410.2	410.2	452.5	494.7	693.9	1560.5	828.4	540.8	461.7	428.7	437.9
82.5°	196.5	217.7	294.2	316.6	381.2	525.0	424.8	353.5	308.7	229.5	213.7
85°	129.3	108.2	186.0	209.7	221.6	252.0	246.7	233.5	201.8	114.8	128.0
87.5°	58.0	55.4	96.3	88.4	83.1	63.3	95.0	117.4	113.4	56.7	56.7
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)