

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: P316753

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316753  
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-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 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: 39136 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

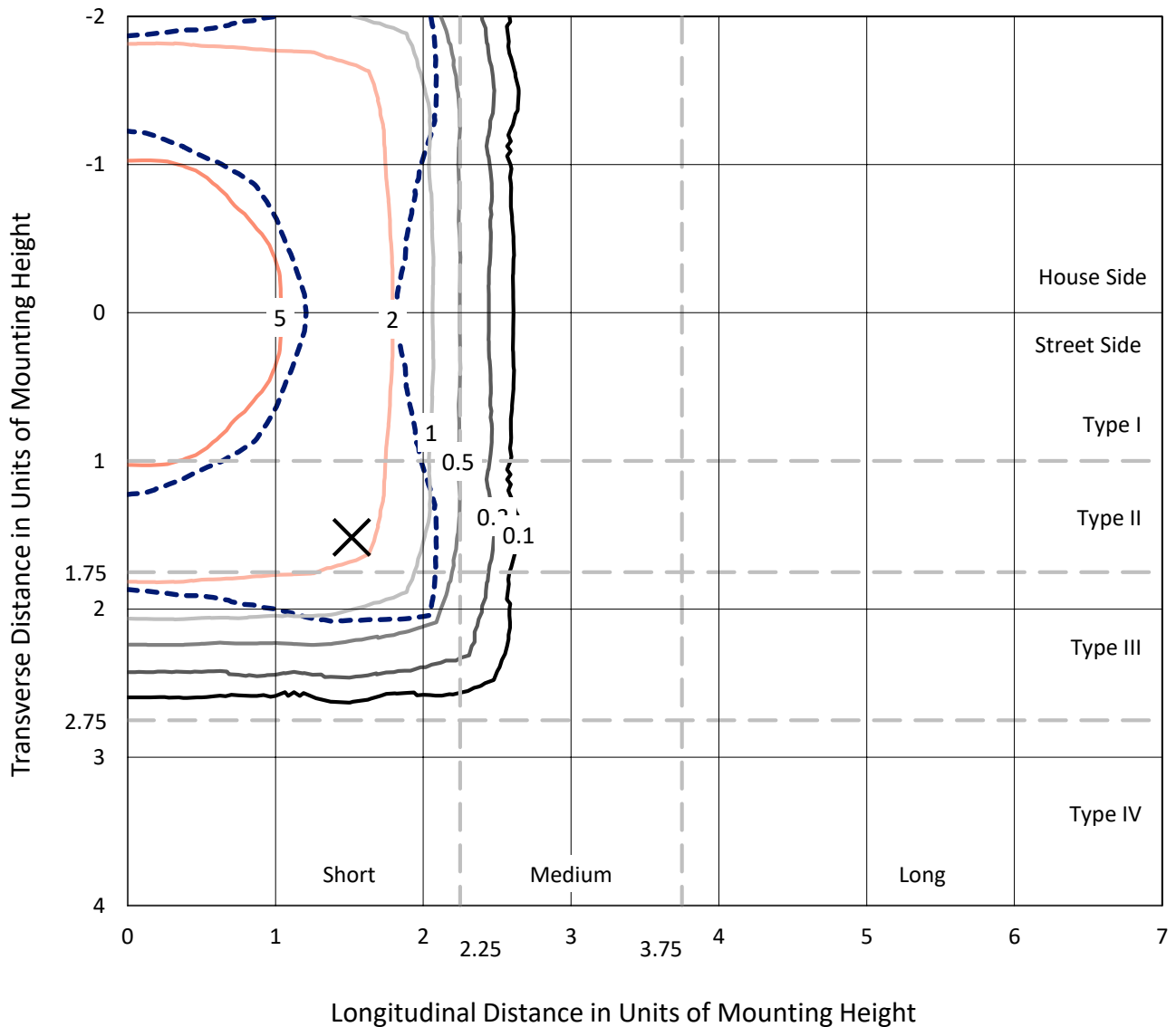
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

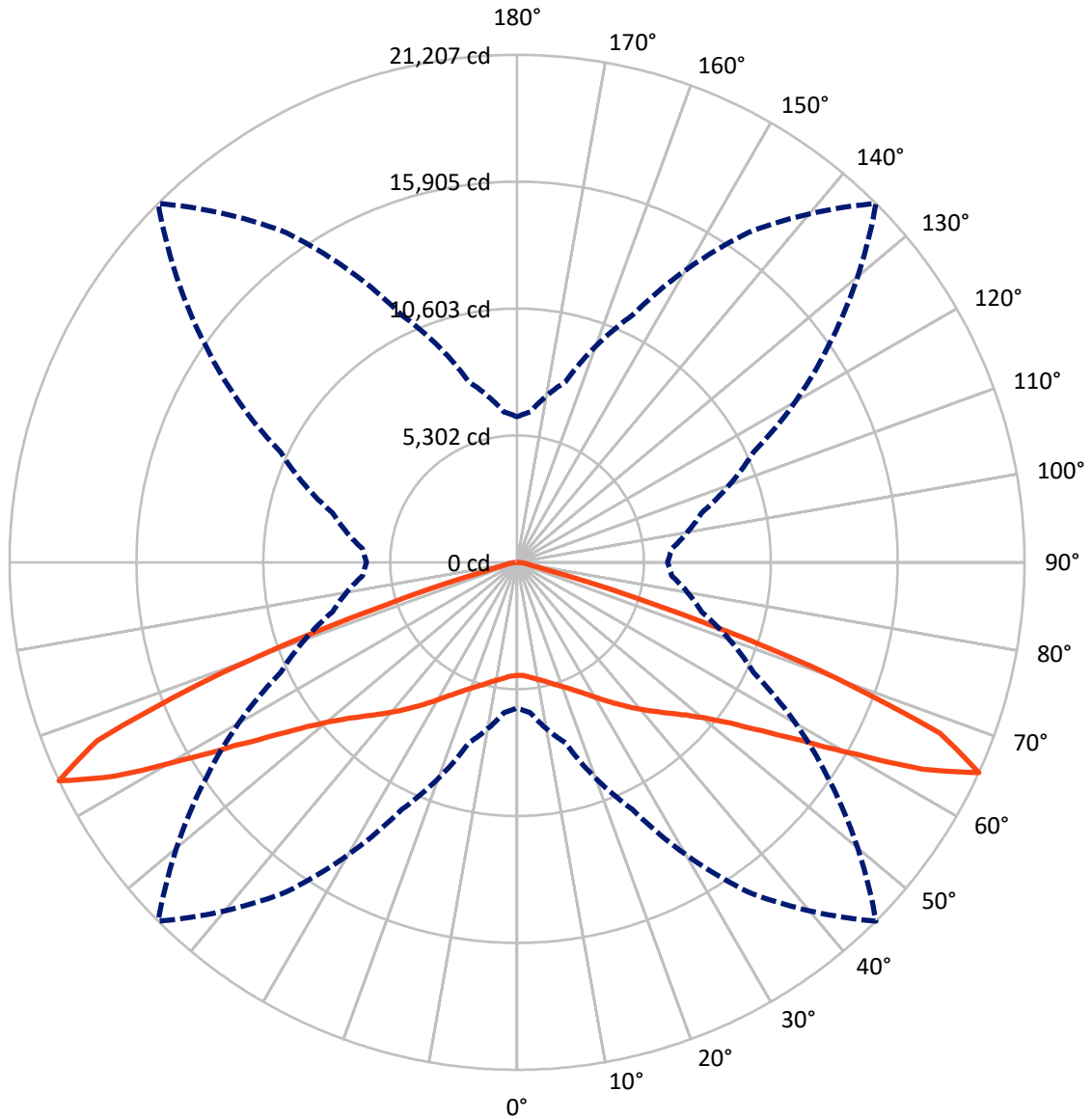
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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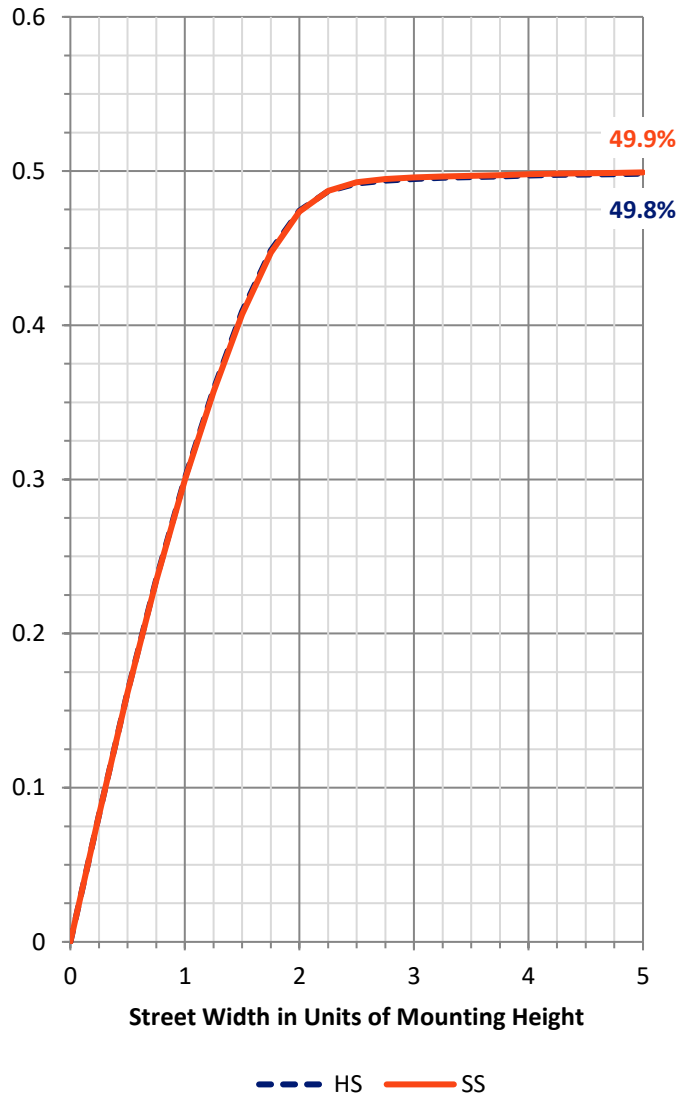
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19568.0	0.0	19568.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19568.0	0.0	19568.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39136.0	0.0	39136.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.7	1.2
10°-20°	1490.5	3.8
20°-30°	2796.4	7.1
30°-40°	4624.6	11.8
40°-50°	7163.0	18.3
50°-60°	10986.0	28.1
60°-70°	10251.2	26.2
70°-80°	1193.1	3.0
80°-90°	167.6	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°	39136.0	100.0
0°-180°	39136.0	100.0

**Coefficient of Utilization**

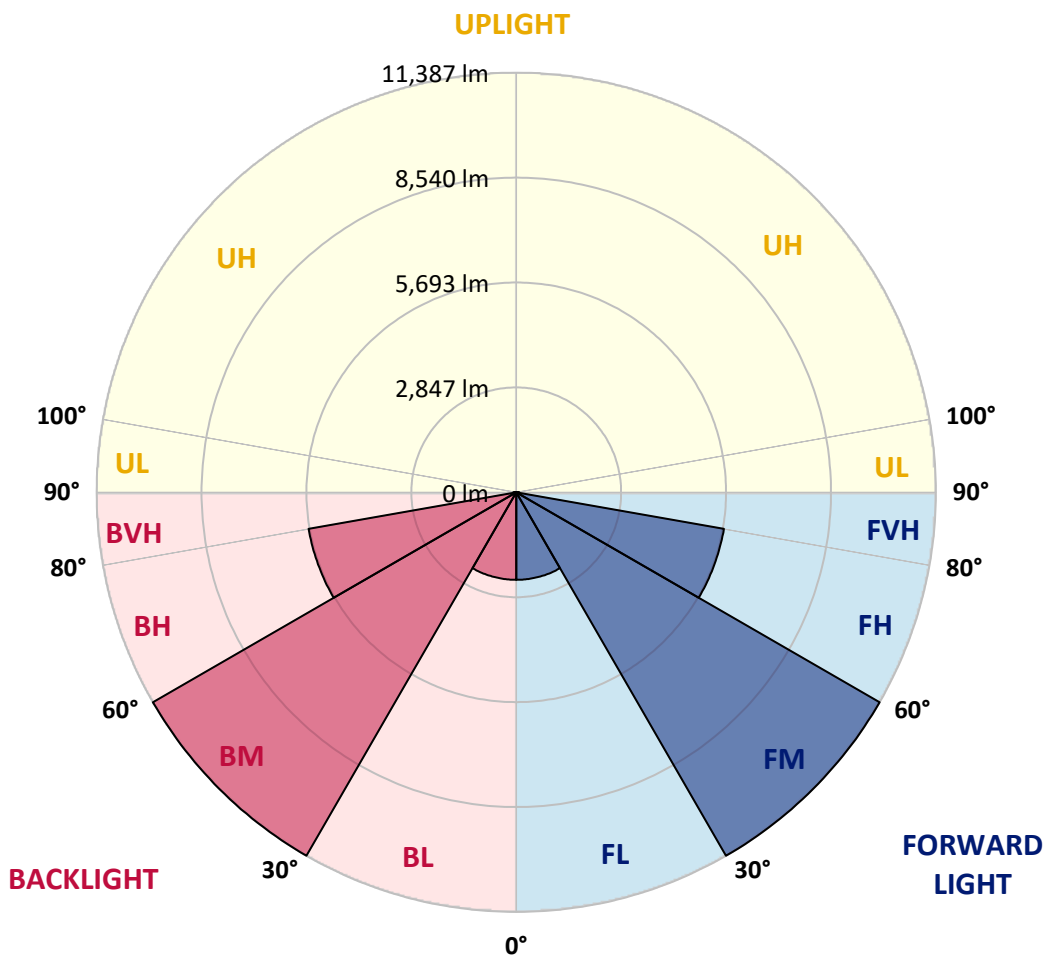


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2375.3	6.1			
FM (30°-60°)	11386.8	29.1			
FH (60°-80°)	5722.1	14.6			G3/7500
FVH (80°-90°)	83.8	0.2			G1/100
BL (0°-30°)	2375.3	6.1	B3/2500		
BM (30°-60°)	11386.8	29.1	B5		
BH (60°-80°)	5722.1	14.6	B5		G3/7500
BVH (80°-90°)	83.8	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-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2	4726.2
2.5°	4741.8	4739.2	4741.8	4743.1	4735.3	4739.2	4737.9	4744.4	4747.0	4744.4	4744.4
5°	4796.3	4792.4	4797.6	4804.1	4793.7	4796.3	4792.4	4800.2	4802.8	4797.6	4801.5
7.5°	4871.7	4873.0	4878.2	4889.9	4883.4	4888.6	4880.8	4882.1	4880.8	4873.0	4874.3
10°	4953.5	4954.8	4963.9	4979.5	4982.1	4982.1	4976.9	4973.0	4967.8	4962.6	4963.9
12.5°	5052.2	5058.7	5065.2	5084.7	5084.7	5095.1	5092.5	5082.1	5073.0	5065.2	5065.2
15°	5186.1	5184.8	5192.5	5212.0	5221.1	5238.0	5238.0	5223.7	5212.0	5204.2	5201.6
17.5°	5326.4	5330.3	5335.5	5358.8	5373.1	5392.6	5395.2	5383.5	5375.7	5365.3	5358.8
20°	5490.0	5496.5	5517.3	5526.4	5539.4	5557.6	5564.1	5561.5	5553.7	5548.5	5549.8
22.5°	5681.0	5697.9	5710.9	5723.9	5739.5	5752.5	5759.0	5768.1	5760.3	5756.4	5753.8
25°	5912.3	5923.9	5949.9	5973.3	5983.7	5987.6	5995.4	6008.4	6007.1	5998.0	5998.0
27.5°	6174.7	6196.8	6229.2	6263.0	6263.0	6250.0	6276.0	6298.1	6290.3	6278.6	6263.0
30°	6493.0	6513.7	6551.4	6598.2	6574.8	6565.7	6600.8	6641.1	6629.4	6609.9	6607.3
32.5°	6835.9	6855.4	6904.8	6955.4	6925.6	6912.6	6950.2	7008.7	6987.9	6948.9	6925.6
35°	7207.5	7227.0	7297.1	7358.2	7307.5	7285.4	7316.6	7380.3	7343.9	7271.1	7252.9
37.5°	7611.5	7621.9	7712.8	7775.2	7740.1	7681.6	7720.6	7767.4	7736.2	7647.9	7612.8
40°	8031.1	8068.8	8174.0	8246.8	8185.7	8093.5	8158.4	8223.4	8176.6	8063.6	8003.8
42.5°	8520.9	8549.5	8689.8	8754.7	8656.0	8526.1	8614.4	8702.7	8656.0	8546.9	8494.9
45°	9030.1	9074.3	9241.9	9306.8	9163.9	8998.9	9106.8	9261.4	9257.5	9100.3	9045.7
47.5°	9584.8	9629.0	9829.1	9914.8	9760.2	9539.4	9691.4	9909.6	9894.0	9721.3	9677.1
50°	10225.3	10272.1	10521.5	10629.3	10485.1	10227.9	10456.5	10648.8	10620.2	10407.2	10411.1
52.5°	11029.5	11026.9	11337.3	11524.4	11376.3	11149.0	11359.4	11546.5	11428.3	11133.4	11124.3
55°	11733.6	11776.4	12161.0	12515.6	12506.5	12419.5	12503.9	12511.7	12174.0	11781.6	11733.6
57.5°	12196.1	12277.9	12819.6	13461.4	13942.1	14057.7	13894.0	13397.7	12606.6	11979.1	11902.5
60°	11911.6	12036.3	12887.2	14195.4	15611.4	16290.9	15367.2	13827.7	12270.1	11395.8	11291.9
62.5°	9991.5	10201.9	11447.8	13840.7	17048.2	19034.6	16435.1	13137.9	10932.0	9727.7	9549.8
65°	6085.0	6307.2	7809.0	11391.9	16815.7	21206.7	15947.9	10904.7	7979.1	6481.3	6289.0
67.5°	2027.9	2092.9	2977.6	6296.8	13215.9	19054.1	13237.9	6528.0	3472.5	2302.0	2234.5
70°	793.8	800.3	944.5	1825.3	6240.9	13087.2	6886.6	1857.7	987.3	780.8	797.7
72.5°	583.3	585.9	626.2	762.6	1626.5	5765.5	1684.9	766.5	609.3	546.9	546.9
75°	469.0	469.0	497.6	556.0	728.8	1322.5	739.2	549.5	476.8	436.5	431.3
77.5°	370.2	378.0	400.1	437.8	493.7	636.6	511.8	435.2	384.5	346.9	339.1
80°	275.4	283.2	319.6	337.8	354.7	441.7	378.0	340.4	304.0	259.8	252.0
82.5°	180.6	188.4	233.8	244.2	240.3	288.4	254.6	250.7	223.4	167.6	159.8
85°	118.2	120.8	155.9	162.4	149.4	131.2	162.4	171.5	155.9	109.1	105.2
87.5°	55.9	55.9	79.2	74.0	67.6	54.6	74.0	87.0	88.3	53.3	52.0
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)