

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: P317173

Luminaire Tested: **GAN-SA9C-750-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9C-750-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 64636 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

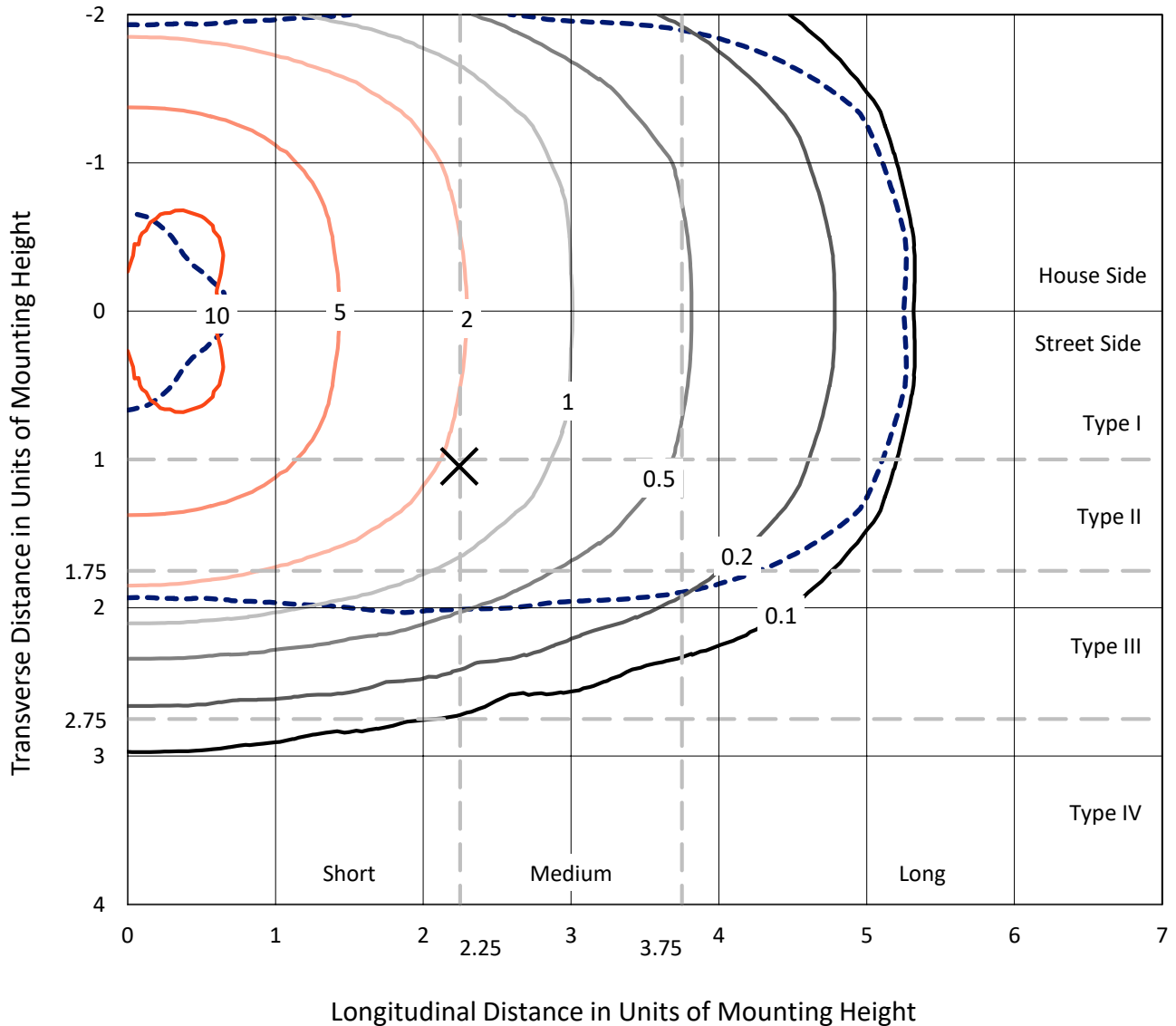
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

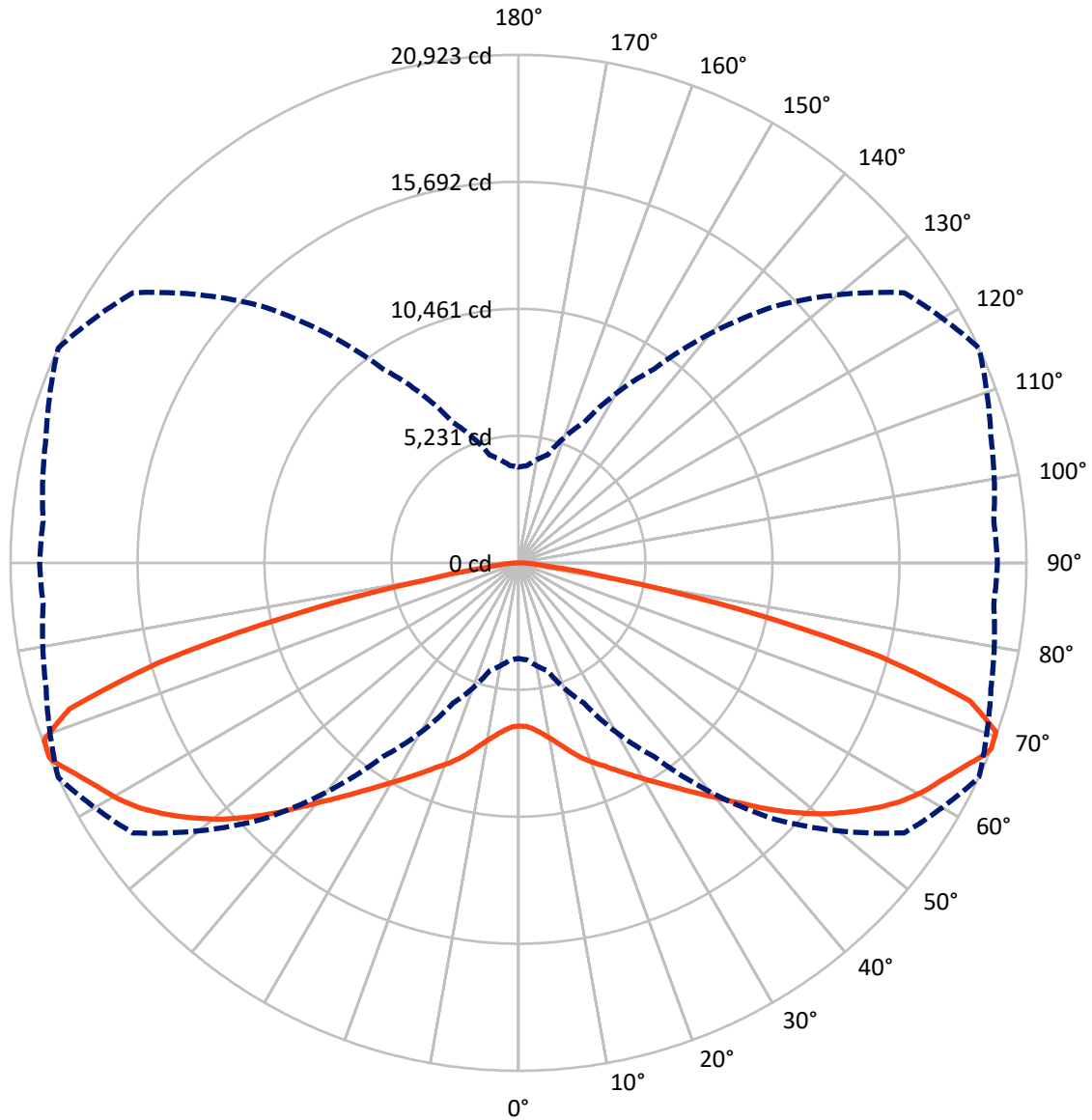
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	32318.0	0.0	32318.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	32318.0	0.0	32318.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	64636.0	0.0	64636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.0	1.0
10°-20°	2203.2	3.4
20°-30°	4295.8	6.6
30°-40°	7216.6	11.2
40°-50°	11370.7	17.6
50°-60°	15206.4	23.5
60°-70°	14782.6	22.9
70°-80°	8080.9	12.5
80°-90°	821.8	1.3
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°	64636.0	100.0
0°-180°	64636.0	100.0

**Coefficient of Utilization**

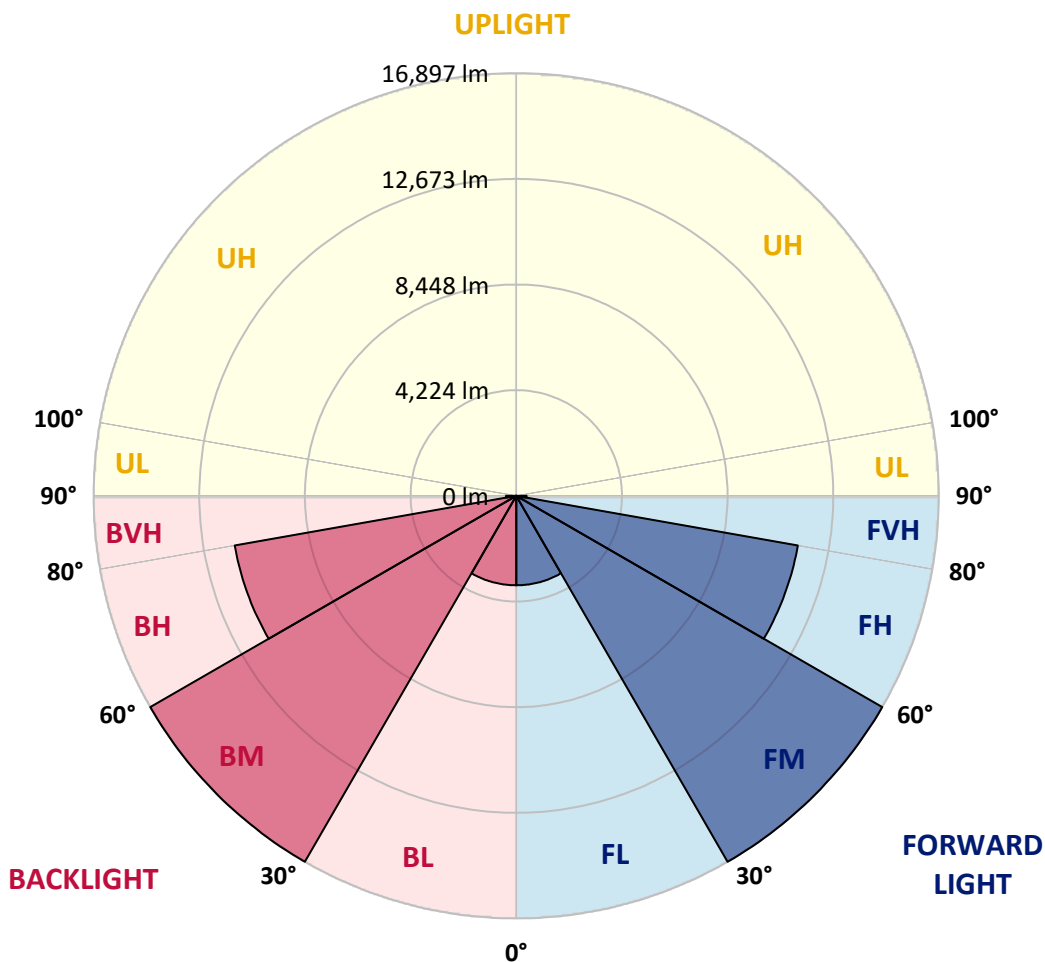


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3578.5	5.5			
FM (30°-60°)	16896.9	26.1			
FH (60°-80°)	11431.7	17.7			G4/12000
FVH (80°-90°)	410.9	0.6			G3/500
BL (0°-30°)	3578.5	5.5	B4/5000		
BM (30°-60°)	16896.9	26.1	B5		
BH (60°-80°)	11431.7	17.7	B5		G5
BVH (80°-90°)	410.9	0.6			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6
2.5°	6672.9	6675.1	6685.9	6699.0	6709.8	6738.0	6744.5	6755.3	6759.6	6770.5	6770.5
5°	6614.4	6618.8	6644.8	6679.4	6718.5	6787.8	6837.7	6894.0	6922.2	6952.5	6950.4
7.5°	6607.9	6618.8	6655.6	6712.0	6777.0	6891.8	6995.9	7108.6	7184.4	7253.8	7249.4
10°	6675.1	6692.4	6744.5	6829.0	6926.5	7069.5	7223.4	7375.1	7507.3	7613.5	7617.9
12.5°	6777.0	6798.6	6881.0	7008.9	7156.2	7340.5	7522.5	7693.7	7875.8	8034.0	8047.0
15°	6911.3	6939.5	7063.0	7253.8	7479.2	7698.1	7893.1	8068.6	8278.9	8497.8	8519.4
17.5°	7110.7	7149.7	7312.3	7570.2	7867.1	8107.7	8311.4	8443.6	8619.1	8844.5	8885.7
20°	7414.1	7464.0	7669.9	7977.6	8339.6	8591.0	8747.0	8775.2	8861.9	9063.4	9111.1
22.5°	7808.6	7851.9	8081.7	8447.9	8853.2	9126.3	9208.6	9095.9	9087.3	9249.8	9295.3
25°	8248.5	8287.5	8554.1	8965.9	9401.5	9702.8	9700.6	9481.7	9330.0	9455.7	9503.4
27.5°	8742.7	8803.3	9059.1	9492.5	9958.5	10255.4	10238.1	9900.0	9611.7	9644.2	9685.4
30°	9310.5	9377.7	9626.9	10066.8	10532.8	10823.2	10801.5	10355.1	9921.6	9835.0	9865.3
32.5°	10014.8	10095.0	10331.3	10764.7	11176.5	11438.7	11375.9	10849.2	10294.4	10105.9	10134.0
35°	10862.2	10909.9	11159.1	11586.1	11919.8	12099.7	11967.5	11421.4	10766.9	10539.3	10539.3
37.5°	11720.5	11757.3	12036.9	12450.8	12773.7	12869.1	12611.2	12047.7	11384.5	11061.6	11068.1
40°	12544.0	12643.7	12958.0	13382.7	13701.3	13727.3	13384.9	12762.9	12071.5	11737.8	11776.8
42.5°	13404.4	13501.9	13876.9	14358.0	14639.7	14683.1	14282.1	13564.8	12847.4	12576.5	12619.9
45°	14171.6	14249.6	14683.1	15242.2	15593.3	15706.0	15231.4	14483.7	13686.1	13421.7	13432.6
47.5°	14706.9	14808.8	15285.6	15944.4	16455.9	16629.3	16163.3	15378.8	14511.9	14191.1	14219.3
50°	15192.4	15246.6	15729.9	16449.4	17099.6	17457.1	17058.4	16263.0	15346.3	15006.0	15036.3
52.5°	15463.3	15532.6	16000.8	16750.6	17520.0	18096.5	17853.8	17058.4	16152.5	15820.9	15857.7
55°	15274.7	15326.7	15888.1	16817.8	17780.1	18490.9	18527.8	17836.4	16943.5	16653.1	16757.1
57.5°	14416.5	14481.5	15166.4	16384.4	17812.6	18757.5	19034.9	18558.1	17682.5	17446.3	17507.0
60°	13075.0	13116.2	13846.5	15216.2	17179.7	18868.0	19357.8	19147.6	18406.4	18170.2	18252.5
62.5°	10684.5	10745.2	11618.6	13454.2	15842.6	18540.8	19669.9	19635.2	19080.4	18863.7	18937.4
65°	7303.6	7409.8	8376.4	10697.5	13781.5	17539.5	19953.8	20203.0	19676.4	19403.3	19500.9
67.5°	4410.3	4488.4	5188.4	7063.0	10545.8	15519.6	19661.2	20848.9	20096.9	19656.9	19737.1
68°	3942.2	4013.7	4598.9	6373.9	9754.8	14949.6	19394.7	20922.6	20142.4	19652.6	19724.1
70°	2381.8	2429.5	2821.8	3940.0	6503.9	11859.2	17576.3	20861.9	20432.8	19713.2	19754.4
72.5°	1551.7	1566.9	1631.9	2022.0	3322.4	6631.8	13192.0	19440.2	20868.4	20066.5	20060.0
75°	1289.5	1280.8	1287.3	1332.9	1638.4	2908.4	7708.9	15357.1	19893.1	19509.5	19373.0
77.5°	1090.1	1083.6	1081.5	1083.6	1096.6	1404.4	3346.2	9566.2	15222.7	17257.8	17379.1
80°	882.1	873.4	901.6	888.6	849.6	873.4	1402.2	3979.1	7175.7	7719.7	7234.3
82.5°	641.5	609.0	730.4	695.7	663.2	615.5	773.7	1285.2	1712.1	1174.6	825.7
85°	494.1	459.5	554.8	533.1	455.1	314.3	459.5	628.5	693.5	396.6	312.1
87.5°	201.6	212.4	400.9	316.4	266.6	151.7	188.6	251.4	338.1	169.0	130.0
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)