

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: P317093

Luminaire Tested: **GAN-SA9C-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317093  
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-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58864 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

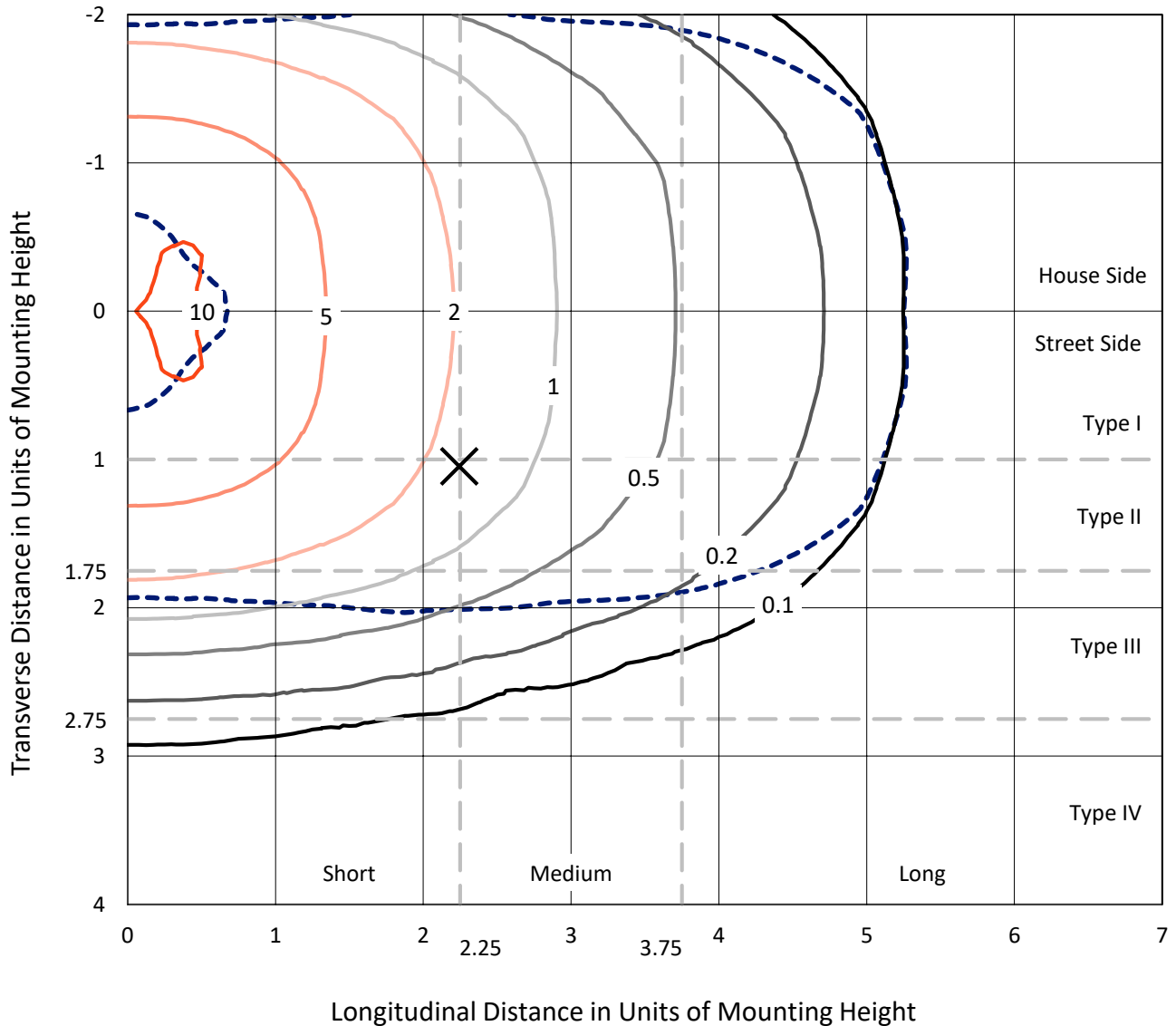
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

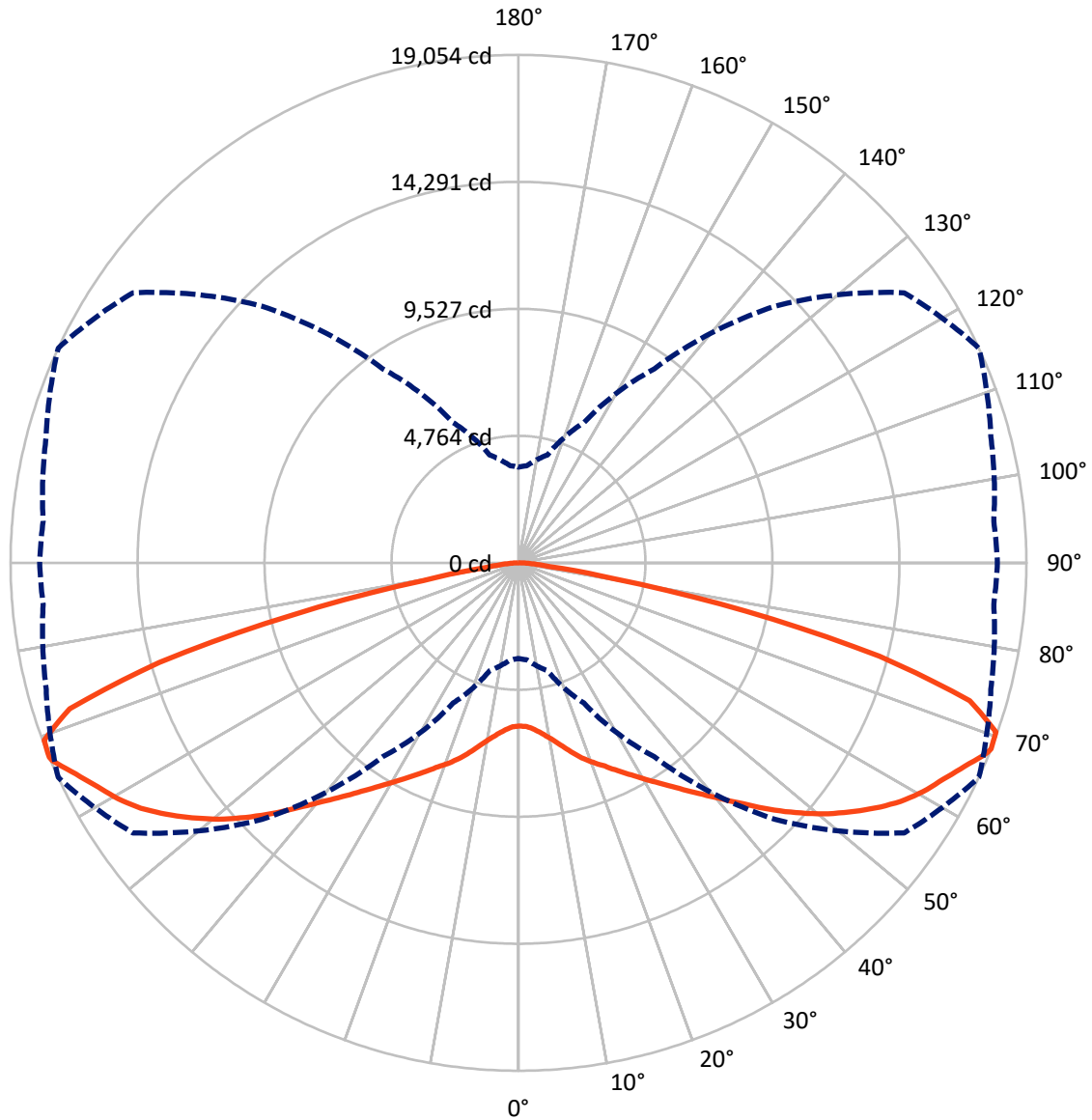
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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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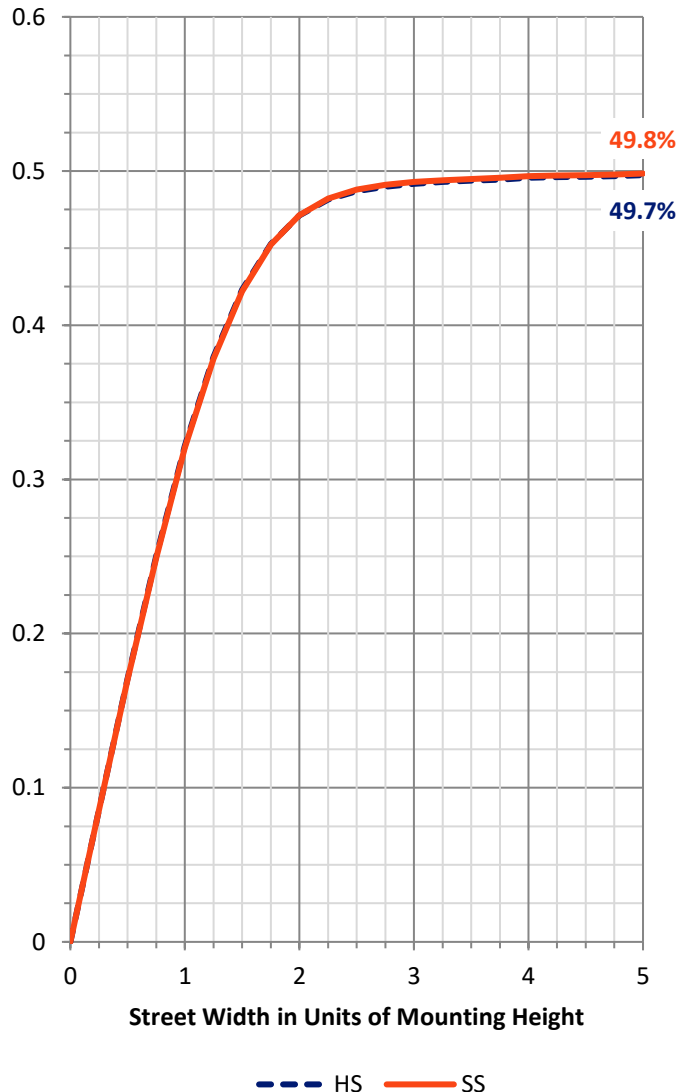
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29432.0	0.0	29432.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29432.0	0.0	29432.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	58864.0	0.0	58864.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	599.2	1.0
10°-20°	2006.5	3.4
20°-30°	3912.2	6.6
30°-40°	6572.1	11.2
40°-50°	10355.3	17.6
50°-60°	13848.5	23.5
60°-70°	13462.5	22.9
70°-80°	7359.3	12.5
80°-90°	748.5	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°	58864.0	100.0
0°-180°	58864.0	100.0

**Coefficient of Utilization**

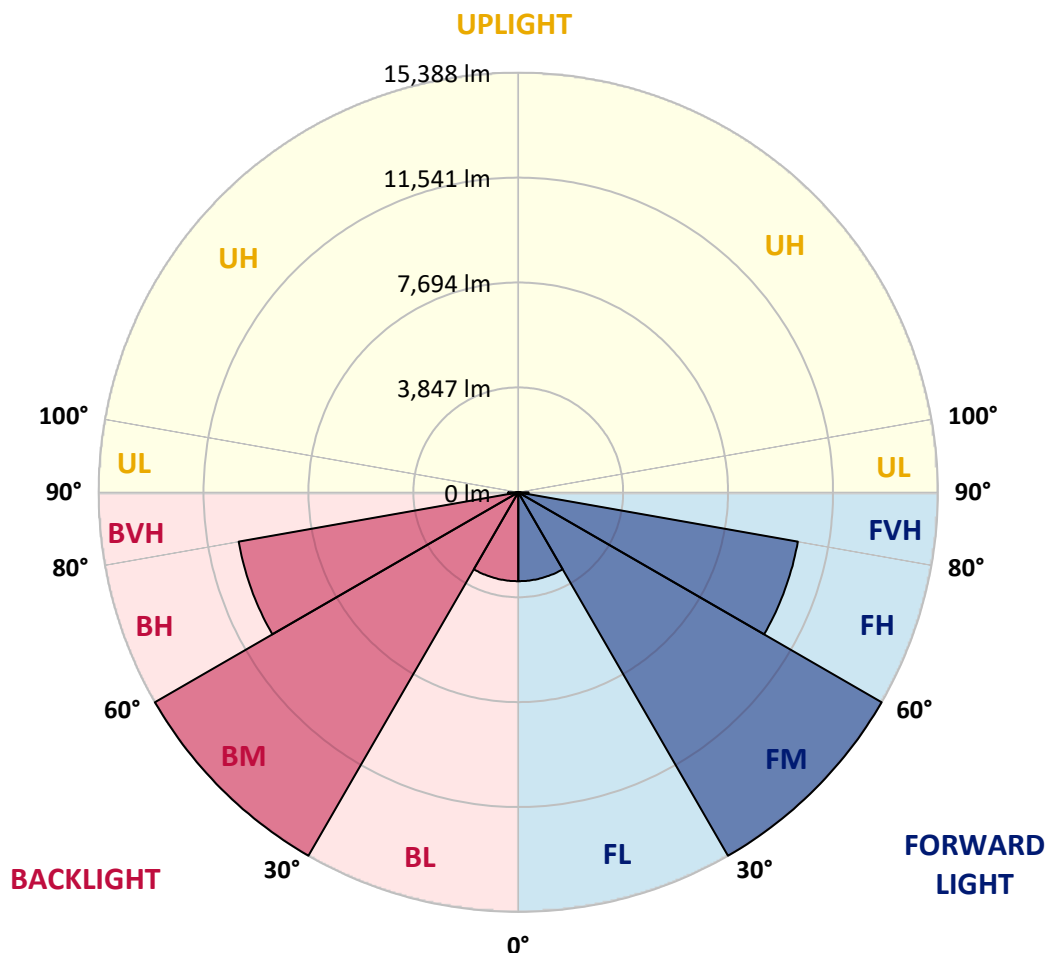


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3258.9	5.5			
FM (30°-60°)	15388.0	26.1			
FH (60°-80°)	10410.9	17.7			G4/12000
FVH (80°-90°)	374.2	0.6			G3/500
BL (0°-30°)	3258.9	5.5	B4/5000		
BM (30°-60°)	15388.0	26.1	B5		
BH (60°-80°)	10410.9	17.7	B5		G5
BVH (80°-90°)	374.2	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°	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5	6120.5
2.5°	6077.0	6079.0	6088.9	6100.7	6110.6	6136.3	6142.2	6152.1	6156.0	6165.9	6165.9
5°	6023.8	6027.7	6051.4	6083.0	6118.5	6181.7	6227.1	6278.4	6304.0	6331.7	6329.7
7.5°	6017.8	6027.7	6061.3	6112.6	6171.8	6276.4	6371.1	6473.8	6542.8	6606.0	6602.1
10°	6079.0	6094.8	6142.2	6219.2	6308.0	6438.2	6578.4	6716.5	6836.9	6933.6	6937.6
12.5°	6171.8	6191.5	6266.5	6383.0	6517.2	6685.0	6850.7	7006.7	7172.5	7316.5	7328.4
15°	6294.2	6319.8	6432.3	6606.0	6811.3	7010.6	7188.2	7348.1	7539.6	7738.9	7758.6
17.5°	6475.7	6511.3	6659.3	6894.2	7164.6	7383.6	7569.2	7689.6	7849.4	8054.7	8092.2
20°	6752.1	6797.5	6985.0	7265.2	7594.8	7823.8	7965.9	7991.5	8070.5	8254.1	8297.5
22.5°	7111.3	7150.7	7360.0	7693.5	8062.6	8311.3	8386.3	8283.7	8275.8	8423.8	8465.2
25°	7511.9	7547.5	7790.2	8165.2	8561.9	8836.3	8834.3	8635.0	8496.8	8611.3	8654.7
27.5°	7961.9	8017.2	8250.1	8644.8	9069.2	9339.6	9323.8	9015.9	8753.4	8783.0	8820.5
30°	8479.1	8540.2	8767.2	9167.9	9592.2	9856.7	9837.0	9430.4	9035.6	8956.7	8984.3
32.5°	9120.5	9193.5	9408.7	9803.4	10178.4	10417.2	10360.0	9880.4	9375.1	9203.4	9229.1
35°	9892.2	9935.6	10162.6	10551.4	10855.4	11019.2	10898.8	10401.4	9805.4	9598.1	9598.1
37.5°	10673.8	10707.4	10962.0	11339.0	11633.0	11719.9	11485.0	10971.8	10367.9	10073.8	10079.7
40°	11423.8	11514.6	11800.8	12187.7	12477.8	12501.5	12189.6	11623.2	10993.6	10689.6	10725.1
42.5°	12207.4	12296.2	12637.7	13075.8	13332.4	13371.9	13006.7	12353.4	11700.1	11453.4	11492.9
45°	12906.1	12977.1	13371.9	13881.1	14200.8	14303.5	13871.2	13190.3	12464.0	12223.2	12233.0
47.5°	13393.6	13486.4	13920.6	14520.6	14986.4	15144.3	14719.9	14005.4	13216.0	12923.8	12949.5
50°	13835.7	13885.0	14325.2	14980.4	15572.6	15898.2	15535.1	14810.7	13975.8	13666.0	13693.6
52.5°	14082.4	14145.6	14571.9	15254.8	15955.5	16480.5	16259.4	15535.1	14710.1	14408.1	14441.6
55°	13910.7	13958.1	14469.3	15316.0	16192.3	16839.7	16873.2	16243.6	15430.5	15166.0	15260.7
57.5°	13129.1	13188.3	13812.0	14921.2	16221.9	17082.4	17335.1	16900.9	16103.5	15888.4	15943.6
60°	11907.4	11944.9	12610.0	13857.4	15645.6	17183.1	17629.2	17437.7	16762.7	16547.6	16622.6
62.5°	9730.4	9785.6	10581.1	12252.8	14427.8	16885.1	17913.4	17881.8	17376.5	17179.2	17246.3
65°	6651.4	6748.1	7628.4	9742.2	12550.8	15973.2	18171.9	18398.9	17919.3	17670.6	17759.4
67.5°	4016.5	4087.6	4725.1	6432.3	9604.1	14133.7	17905.5	18987.1	18302.2	17901.5	17974.6
68°	3590.2	3655.3	4188.2	5804.7	8883.7	13614.6	17662.7	19054.2	18343.6	17897.6	17962.7
70°	2169.1	2212.5	2569.8	3588.2	5923.1	10800.1	16006.8	18998.9	18608.1	17952.9	17990.4
72.5°	1413.2	1427.0	1486.2	1841.5	3025.7	6039.5	12014.0	17704.2	19004.8	18274.6	18268.6
75°	1174.4	1166.5	1172.4	1213.8	1492.1	2648.7	7020.5	13985.7	18116.7	17767.3	17643.0
77.5°	992.8	986.9	984.9	986.9	998.7	1279.0	3047.4	8712.0	13863.3	15716.6	15827.2
80°	803.3	795.4	821.1	809.2	773.7	795.4	1277.0	3623.7	6534.9	7030.4	6588.2
82.5°	584.2	554.6	665.1	633.6	604.0	560.5	704.6	1170.4	1559.2	1069.8	752.0
85°	450.0	418.4	505.3	485.5	414.5	286.2	418.4	572.4	631.6	361.2	284.2
87.5°	183.6	193.4	365.1	288.2	242.8	138.2	171.7	229.0	307.9	153.9	118.4
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)