

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: P317131

Luminaire Tested: **GAN-SA7C-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317131  
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-SA7C-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51140 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

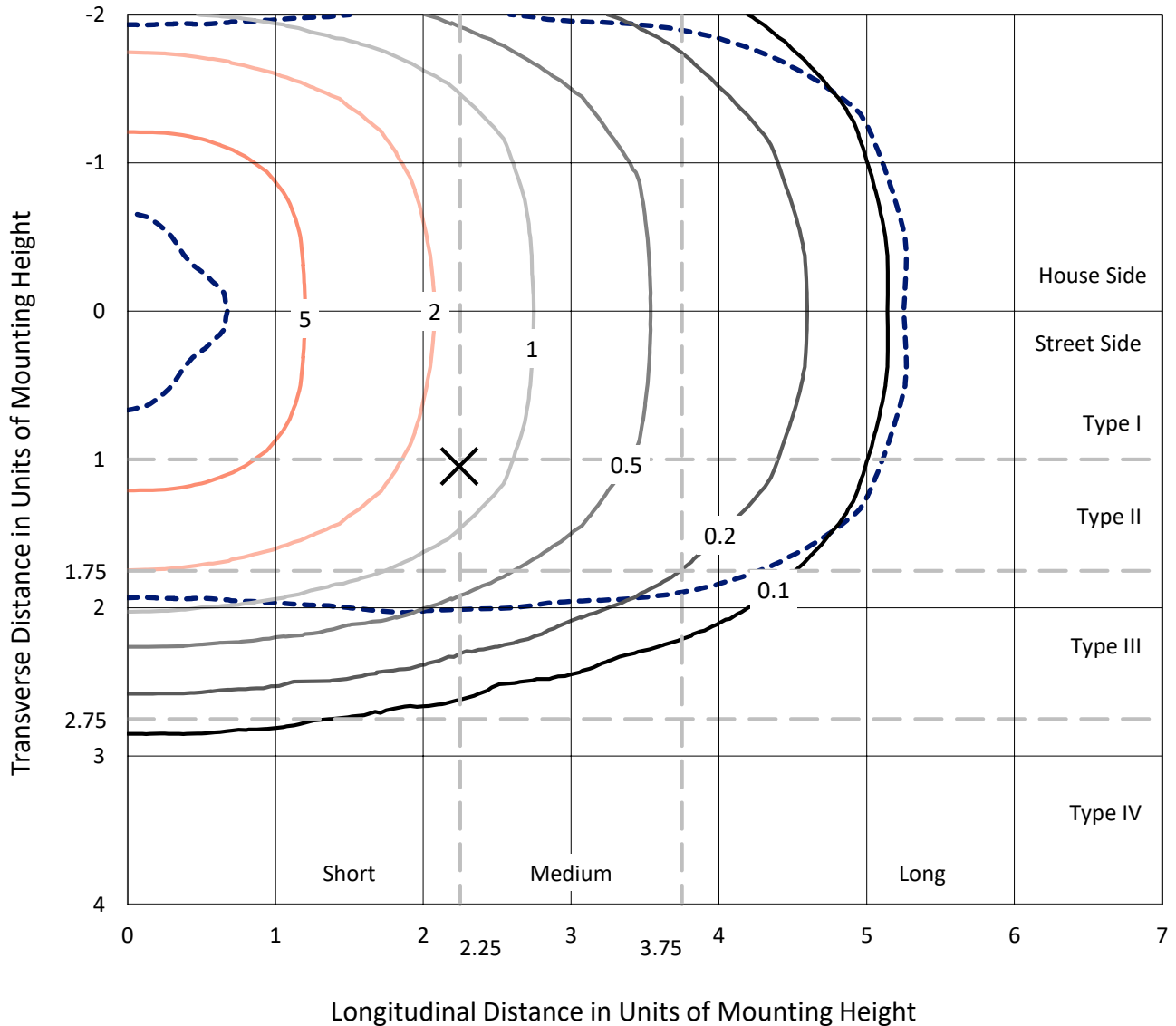
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

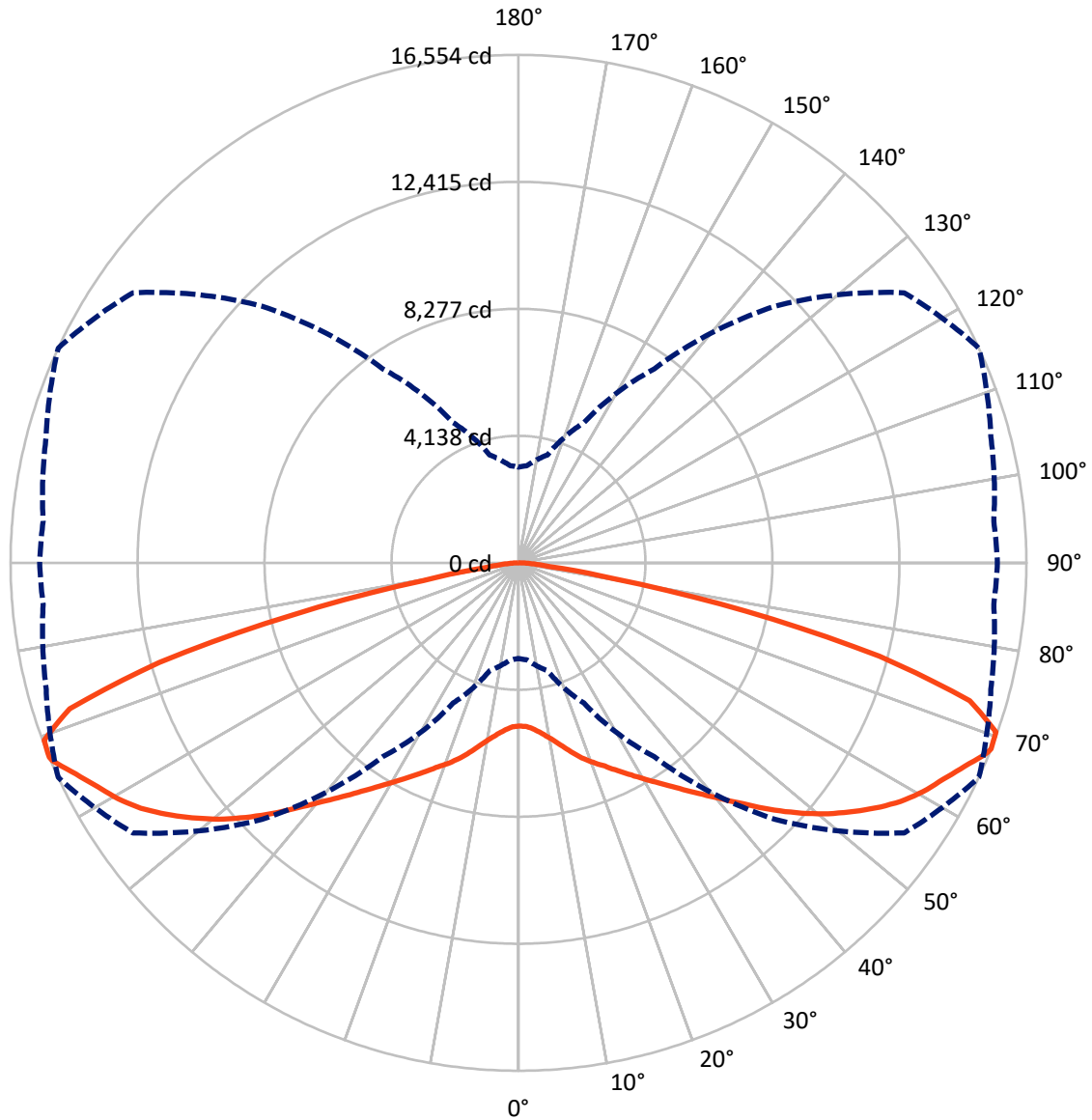
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	25570.0	0.0	25570.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25570.0	0.0	25570.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51140.0	0.0	51140.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.6	1.0
10°-20°	1743.2	3.4
20°-30°	3398.8	6.6
30°-40°	5709.7	11.2
40°-50°	8996.5	17.6
50°-60°	12031.3	23.5
60°-70°	11696.0	22.9
70°-80°	6393.6	12.5
80°-90°	650.2	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°	51140.0	100.0
0°-180°	51140.0	100.0

**Coefficient of Utilization**

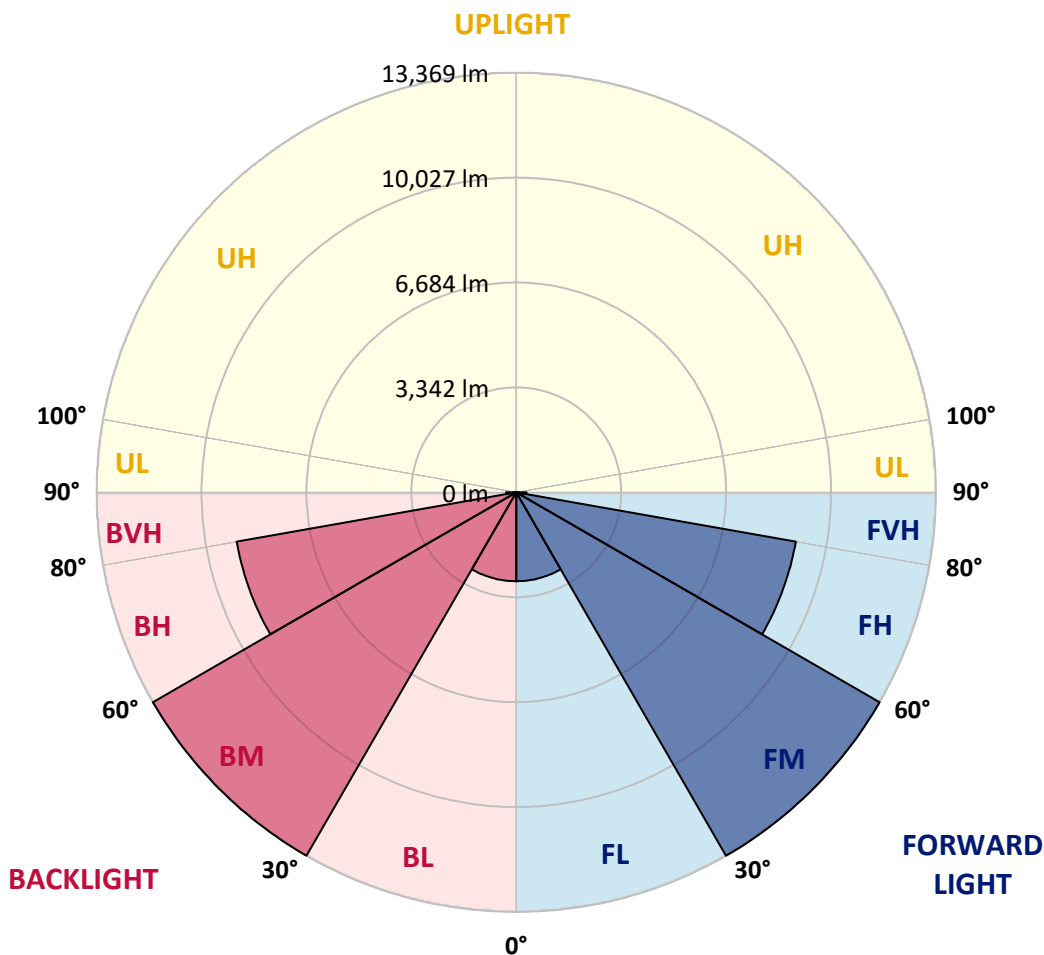


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2831.3	5.5			
FM (30°-60°)	13368.8	26.1			
FH (60°-80°)	9044.8	17.7			G4/12000
FVH (80°-90°)	325.1	0.6			G3/500
BL (0°-30°)	2831.3	5.5	B4/5000		
BM (30°-60°)	13368.8	26.1	B5		
BH (60°-80°)	9044.8	17.7	B5		G5
BVH (80°-90°)	325.1	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°	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4	5317.4
2.5°	5279.6	5281.3	5289.9	5300.2	5308.8	5331.1	5336.2	5344.8	5348.2	5356.8	5356.8
5°	5233.3	5236.8	5257.3	5284.8	5315.6	5370.5	5410.0	5454.5	5476.8	5500.8	5499.1
7.5°	5228.2	5236.8	5265.9	5310.5	5361.9	5452.8	5535.1	5624.3	5684.3	5739.2	5735.7
10°	5281.3	5295.1	5336.2	5403.1	5480.3	5593.4	5715.2	5835.2	5939.8	6023.8	6027.3
12.5°	5361.9	5379.1	5444.2	5545.4	5662.0	5807.8	5951.8	6087.3	6231.3	6356.5	6366.8
15°	5468.3	5490.5	5588.3	5739.2	5917.5	6090.7	6245.0	6383.9	6550.2	6723.4	6740.6
17.5°	5626.0	5656.9	5785.5	5989.5	6224.4	6414.8	6576.0	6680.6	6819.5	6997.8	7030.4
20°	5866.1	5905.5	6068.4	6311.9	6598.3	6797.2	6920.6	6942.9	7011.5	7171.0	7208.7
22.5°	6178.1	6212.4	6394.2	6684.0	7004.6	7220.7	7285.9	7196.7	7189.8	7318.4	7354.4
25°	6526.2	6557.1	6768.0	7093.8	7438.5	7676.8	7675.1	7501.9	7381.9	7481.3	7519.1
27.5°	6917.2	6965.2	7167.5	7510.5	7879.2	8114.1	8100.4	7832.9	7604.8	7630.5	7663.1
30°	7366.5	7419.6	7616.8	7964.9	8333.6	8563.3	8546.2	8192.9	7850.0	7781.4	7805.4
32.5°	7923.7	7987.2	8174.1	8517.0	8842.8	9050.3	9000.6	8583.9	8144.9	7995.8	8018.0
35°	8594.2	8631.9	8829.1	9166.9	9431.0	9573.3	9468.7	9036.6	8518.7	8338.7	8338.7
37.5°	9273.2	9302.4	9523.6	9851.1	10106.6	10182.0	9978.0	9532.1	9007.4	8751.9	8757.1
40°	9924.8	10003.7	10252.3	10588.4	10840.5	10861.1	10590.1	10098.0	9551.0	9286.9	9317.8
42.5°	10605.6	10682.7	10979.4	11360.0	11583.0	11617.2	11300.0	10732.5	10164.9	9950.5	9984.8
45°	11212.6	11274.3	11617.2	12059.6	12337.4	12426.6	12051.1	11459.5	10828.5	10619.3	10627.9
47.5°	11636.1	11716.7	12093.9	12615.2	13019.9	13157.1	12788.4	12167.7	11481.8	11228.0	11250.3
50°	12020.2	12063.1	12445.5	13014.7	13529.2	13812.1	13496.6	12867.3	12142.0	11872.7	11896.7
52.5°	12234.6	12289.4	12659.8	13253.1	13861.8	14317.9	14125.9	13496.6	12779.8	12517.5	12546.6
55°	12085.4	12126.5	12570.6	13306.3	14067.6	14630.0	14659.2	14112.2	13405.7	13175.9	13258.2
57.5°	11406.3	11457.8	11999.6	12963.3	14093.3	14840.9	15060.4	14683.2	13990.4	13803.5	13851.5
60°	10344.9	10377.5	10955.4	12039.1	13592.6	14928.4	15315.9	15149.6	14563.1	14376.2	14441.4
62.5°	8453.6	8501.6	9192.6	10645.0	12534.6	14669.5	15562.8	15535.4	15096.4	14925.0	14983.3
65°	5778.6	5862.6	6627.4	8463.9	10903.9	13877.3	15787.5	15984.6	15568.0	15351.9	15429.1
67.5°	3489.5	3551.2	4105.0	5588.3	8343.8	12279.1	15556.0	16495.6	15900.6	15552.5	15616.0
68°	3119.1	3175.7	3638.6	5043.0	7718.0	11828.2	15345.1	16553.9	15936.6	15549.1	15605.7
70°	1884.5	1922.2	2232.6	3117.4	5145.9	9383.0	13906.4	16505.9	16166.4	15597.1	15629.7
72.5°	1227.7	1239.7	1291.2	1599.8	2628.7	5247.1	10437.5	15381.1	16511.1	15876.6	15871.5
75°	1020.3	1013.4	1018.5	1054.6	1296.3	2301.2	6099.3	12150.5	15739.4	15435.9	15327.9
77.5°	862.5	857.4	855.6	857.4	867.6	1111.1	2647.5	7568.8	12044.2	13654.3	13750.4
80°	697.9	691.0	713.3	703.0	672.2	691.0	1109.4	3148.2	5677.4	6107.8	5723.7
82.5°	507.6	481.8	577.9	550.4	524.7	487.0	612.2	1016.8	1354.6	929.4	653.3
85°	391.0	363.5	439.0	421.8	360.1	248.6	363.5	497.3	548.7	313.8	246.9
87.5°	159.5	168.0	317.2	250.3	210.9	120.0	149.2	198.9	267.5	133.7	102.9
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)