

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: P316787

Luminaire Tested: **GAN-SA3A-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316787  
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-SA3A-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 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: 14676 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

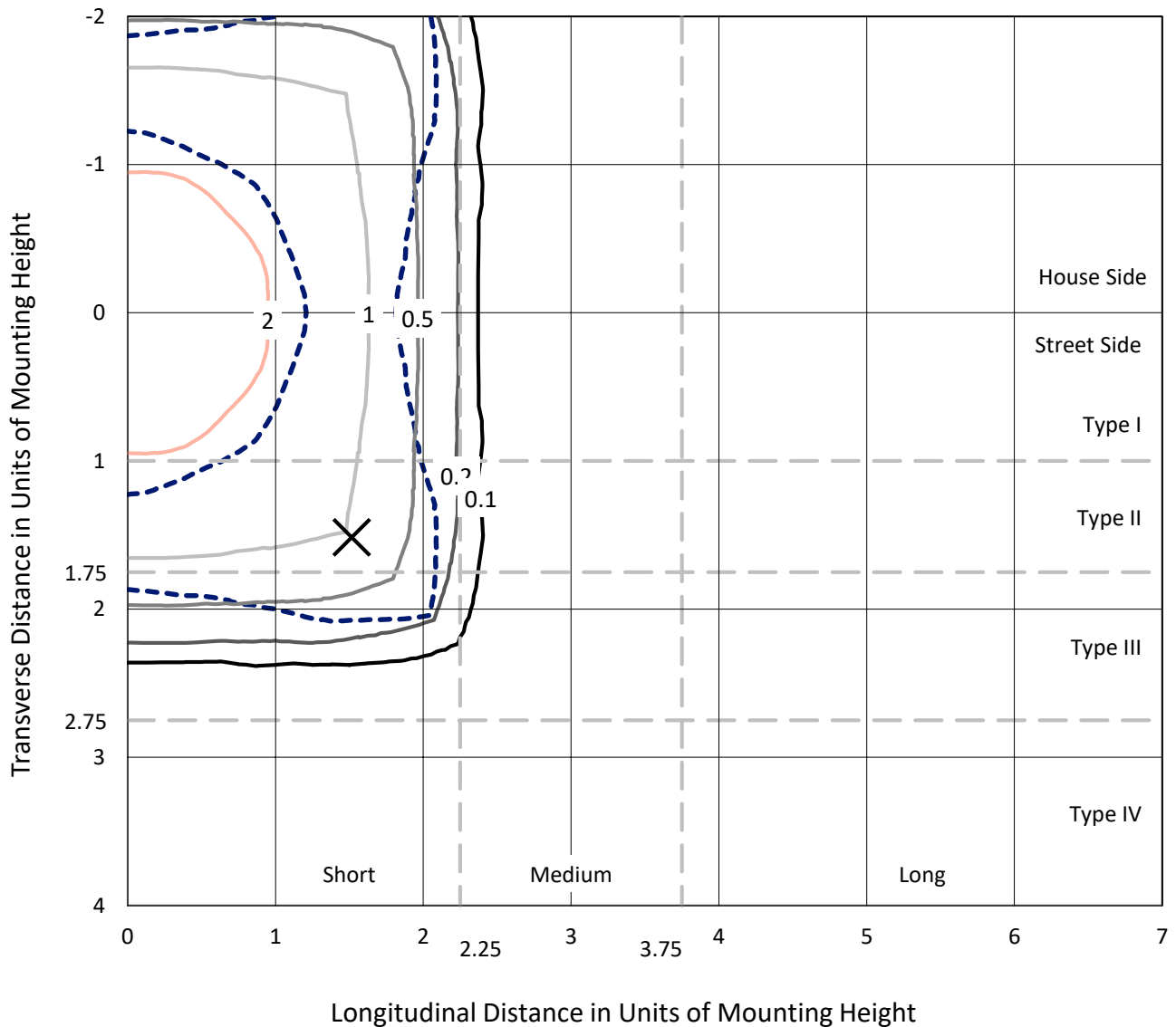
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

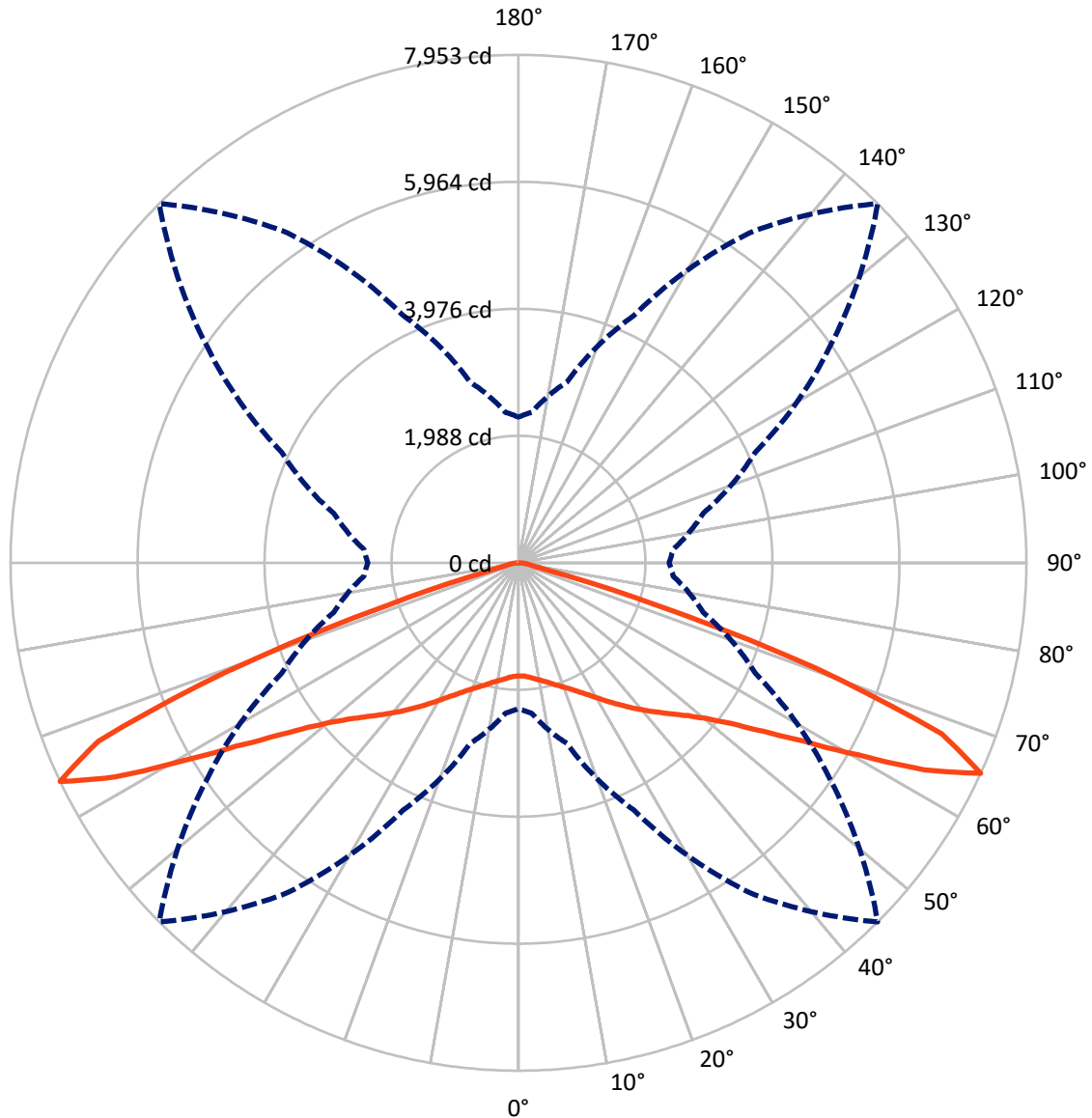
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	7338.0	0.0	7338.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7338.0	0.0	7338.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14676.0	0.0	14676.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.9	1.2
10°-20°	558.9	3.8
20°-30°	1048.6	7.1
30°-40°	1734.2	11.8
40°-50°	2686.1	18.3
50°-60°	4119.7	28.1
60°-70°	3844.2	26.2
70°-80°	447.4	3.0
80°-90°	62.9	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°	14676.0	100.0
0°-180°	14676.0	100.0

**Coefficient of Utilization**



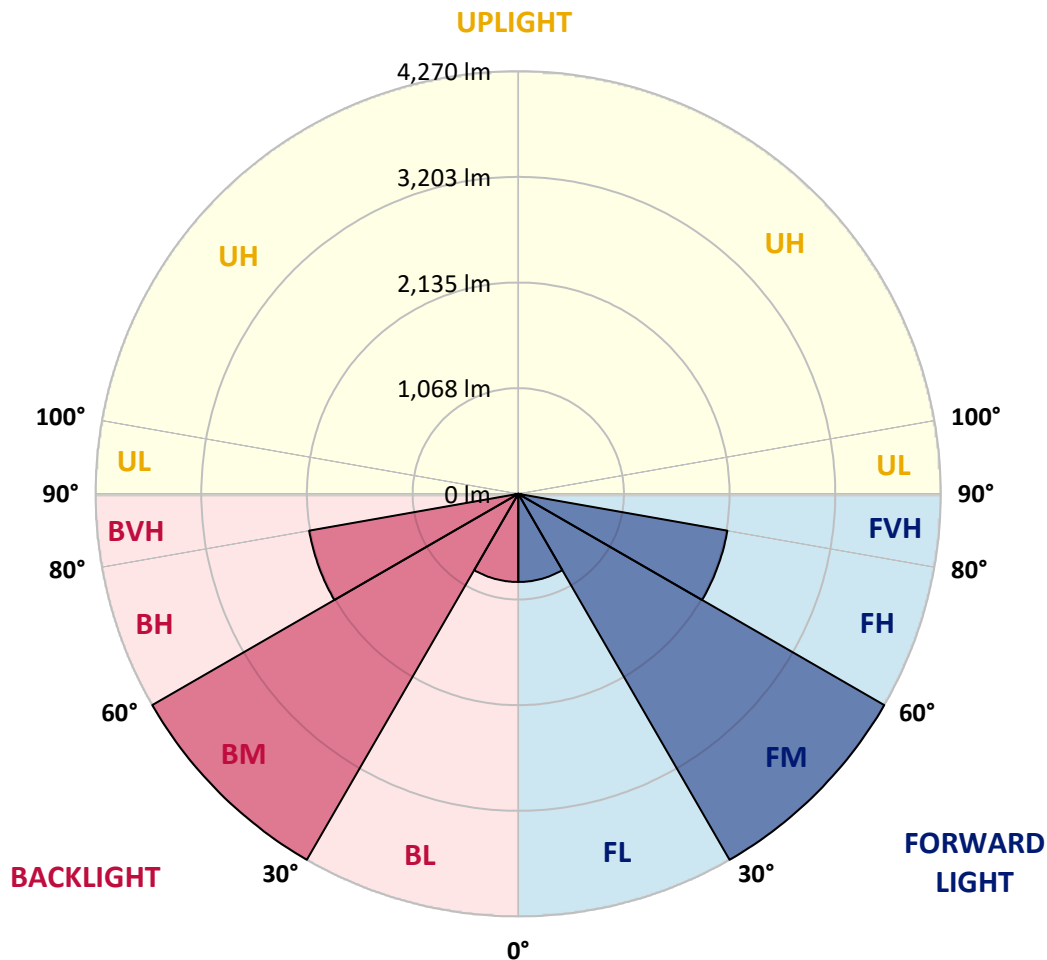
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.7	6.1			
FM (30°-60°)	4270.1	29.1			
FH (60°-80°)	2145.8	14.6			G2/5000
FVH (80°-90°)	31.4	0.2			G1/100
BL (0°-30°)	890.7	6.1	B2/1000		
BM (30°-60°)	4270.1	29.1	B3/5000		
BH (60°-80°)	2145.8	14.6	B3/2500		G2/5000
BVH (80°-90°)	31.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3	1772.3
2.5°	1778.2	1777.2	1778.2	1778.6	1775.7	1777.2	1776.7	1779.1	1780.1	1779.1	1779.1
5°	1798.6	1797.2	1799.1	1801.5	1797.6	1798.6	1797.2	1800.1	1801.1	1799.1	1800.6
7.5°	1826.9	1827.4	1829.3	1833.7	1831.3	1833.2	1830.3	1830.8	1830.3	1827.4	1827.8
10°	1857.6	1858.1	1861.5	1867.3	1868.3	1868.3	1866.3	1864.9	1862.9	1861.0	1861.5
12.5°	1894.6	1897.0	1899.5	1906.8	1906.8	1910.7	1909.7	1905.8	1902.4	1899.5	1899.5
15°	1944.8	1944.3	1947.2	1954.5	1957.9	1964.3	1964.3	1958.9	1954.5	1951.6	1950.6
17.5°	1997.4	1998.8	2000.8	2009.6	2014.9	2022.2	2023.2	2018.8	2015.9	2012.0	2009.6
20°	2058.8	2061.2	2069.0	2072.4	2077.3	2084.1	2086.5	2085.6	2082.6	2080.7	2081.2
22.5°	2130.4	2136.7	2141.6	2146.5	2152.3	2157.2	2159.6	2163.0	2160.1	2158.6	2157.7
25°	2217.1	2221.5	2231.2	2240.0	2243.9	2245.4	2248.3	2253.1	2252.7	2249.2	2249.2
27.5°	2315.5	2323.8	2336.0	2348.6	2348.6	2343.8	2353.5	2361.8	2358.9	2354.5	2348.6
30°	2434.9	2442.7	2456.8	2474.3	2465.6	2462.1	2475.3	2490.4	2486.0	2478.7	2477.7
32.5°	2563.5	2570.8	2589.3	2608.3	2597.1	2592.2	2606.3	2628.3	2620.5	2605.9	2597.1
35°	2702.8	2710.1	2736.4	2759.3	2740.3	2732.0	2743.7	2767.6	2754.0	2726.7	2719.9
37.5°	2854.3	2858.2	2892.3	2915.7	2902.5	2880.6	2895.2	2912.8	2901.1	2868.0	2854.8
40°	3011.7	3025.8	3065.3	3092.5	3069.6	3035.0	3059.4	3083.8	3066.2	3023.8	3001.4
42.5°	3195.3	3206.0	3258.7	3283.0	3246.0	3197.3	3230.4	3263.5	3246.0	3205.1	3185.6
45°	3386.3	3402.9	3465.7	3490.1	3436.5	3374.6	3415.0	3473.0	3471.6	3412.6	3392.1
47.5°	3594.3	3610.9	3685.9	3718.1	3660.1	3577.3	3634.3	3716.1	3710.3	3645.5	3628.9
50°	3834.5	3852.0	3945.6	3986.0	3931.9	3835.5	3921.2	3993.3	3982.6	3902.7	3904.2
52.5°	4136.0	4135.1	4251.5	4321.7	4266.1	4180.9	4259.8	4329.9	4285.6	4175.0	4171.6
55°	4400.1	4416.2	4560.4	4693.4	4690.0	4657.3	4689.0	4691.9	4565.2	4418.1	4400.1
57.5°	4573.5	4604.2	4807.4	5048.0	5228.3	5271.6	5210.2	5024.2	4727.5	4492.2	4463.4
60°	4466.8	4513.6	4832.7	5323.3	5854.3	6109.1	5762.7	5185.4	4601.3	4273.4	4234.5
62.5°	3746.8	3825.7	4292.9	5190.3	6393.1	7138.0	6163.1	4926.7	4099.5	3647.9	3581.2
65°	2281.9	2365.2	2928.4	4272.0	6305.9	7952.5	5980.5	4089.3	2992.2	2430.5	2358.4
67.5°	760.5	784.8	1116.6	2361.3	4955.9	7145.3	4964.2	2448.0	1302.2	863.3	837.9
70°	297.7	300.1	354.2	684.5	2340.3	4907.7	2582.5	696.6	370.2	292.8	299.1
72.5°	218.7	219.7	234.8	286.0	609.9	2162.0	631.9	287.4	228.5	205.1	205.1
75°	175.9	175.9	186.6	208.5	273.3	495.9	277.2	206.1	178.8	163.7	161.7
77.5°	138.8	141.8	150.0	164.2	185.1	238.7	191.9	163.2	144.2	130.1	127.2
80°	103.3	106.2	119.8	126.7	133.0	165.6	141.8	127.6	114.0	97.4	94.5
82.5°	67.7	70.6	87.7	91.6	90.1	108.2	95.5	94.0	83.8	62.8	59.9
85°	44.3	45.3	58.5	60.9	56.0	49.2	60.9	64.3	58.5	40.9	39.5
87.5°	20.9	20.9	29.7	27.8	25.3	20.5	27.8	32.6	33.1	20.0	19.5
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)