

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: P316070

Luminaire Tested: **GAN-SA6A-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24553 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

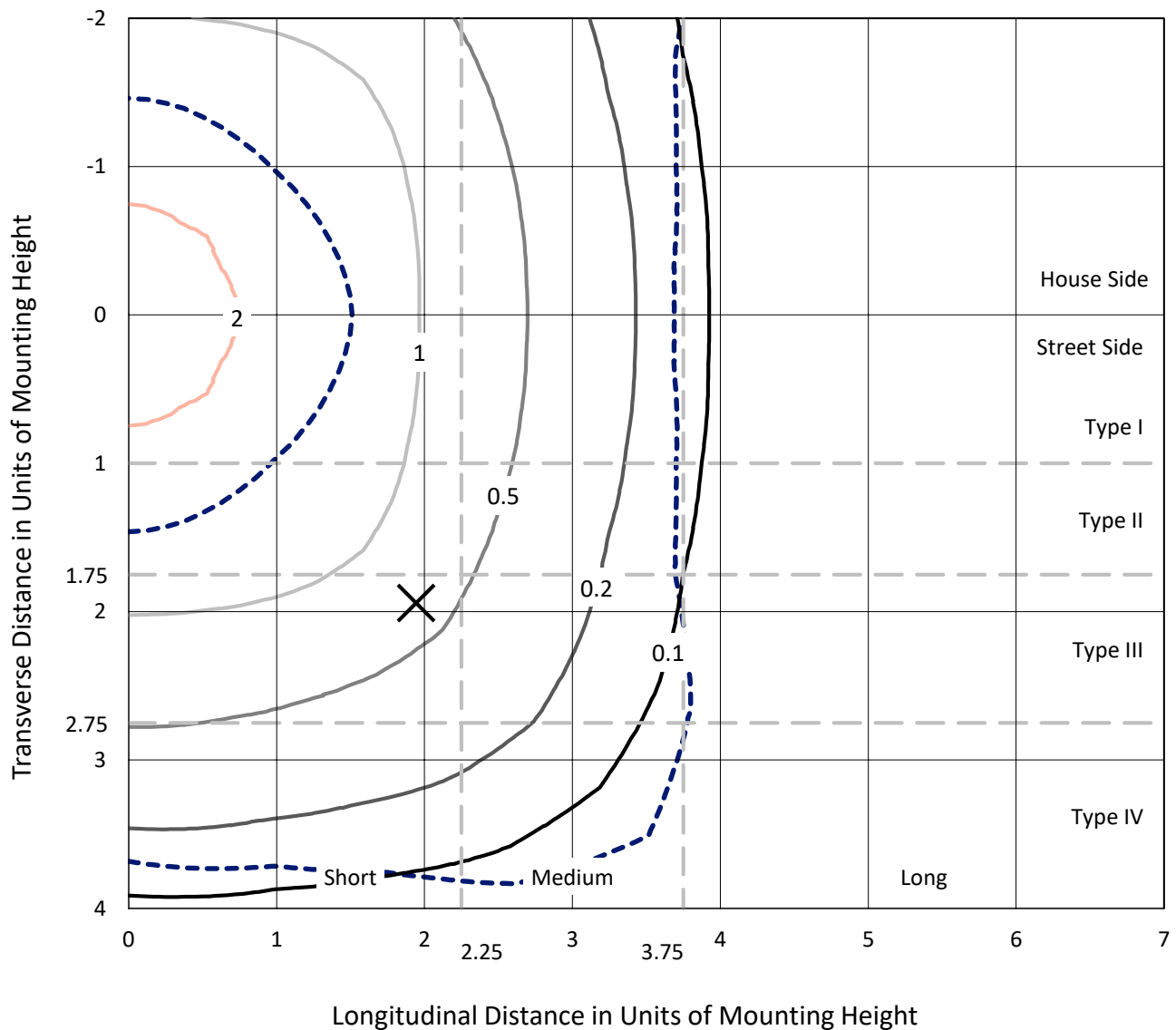
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

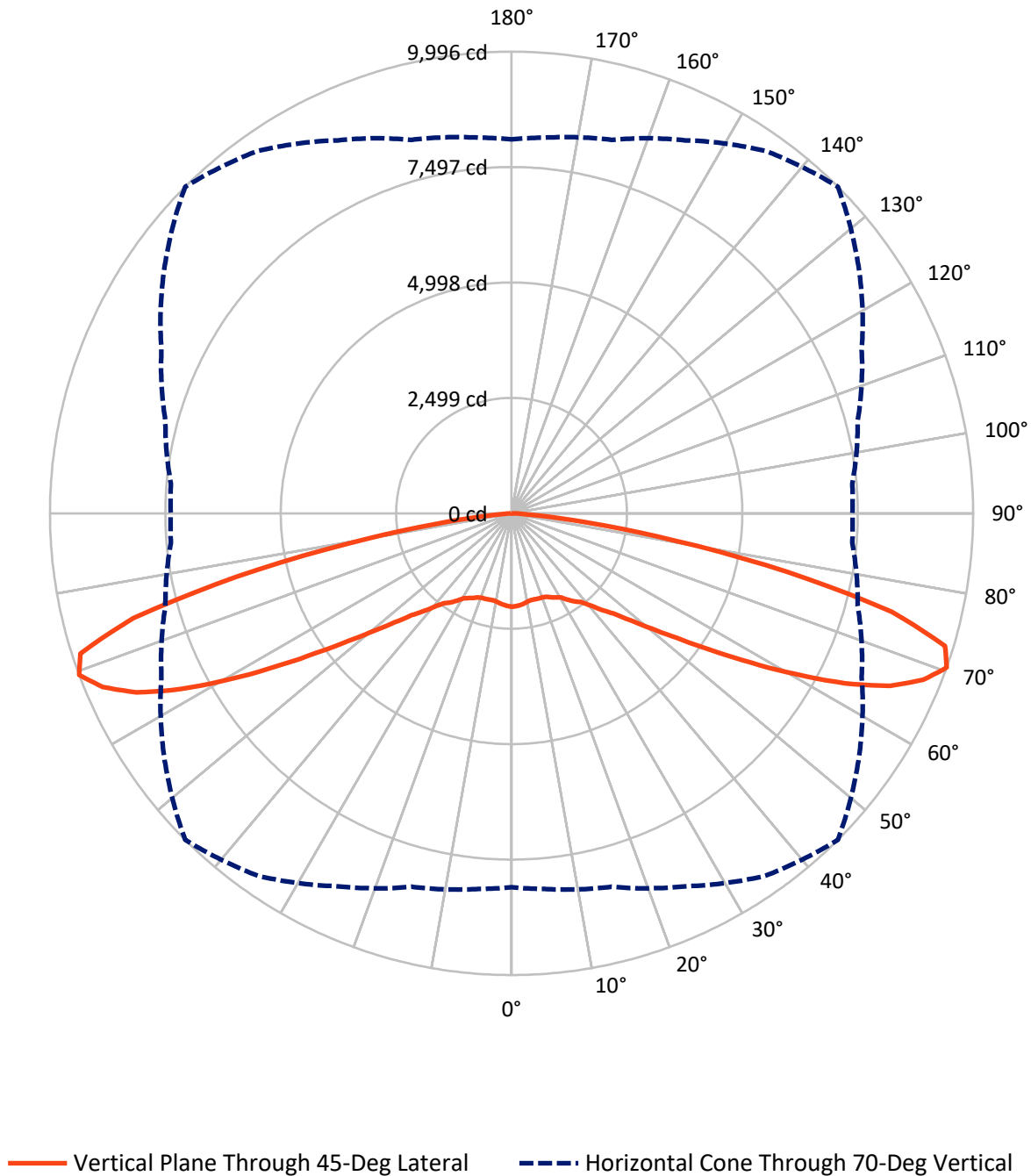
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12276.5	0.0	12276.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12276.5	0.0	12276.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24553.0	0.0	24553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	0.8
10°-20°	550.9	2.2
20°-30°	939.3	3.8
30°-40°	1467.6	6.0
40°-50°	2487.3	10.1
50°-60°	4535.8	18.5
60°-70°	7808.8	31.8
70°-80°	6120.8	24.9
80°-90°	453.8	1.8
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°	24553.0	100.0
0°-180°	24553.0	100.0

Coefficient of Utilization



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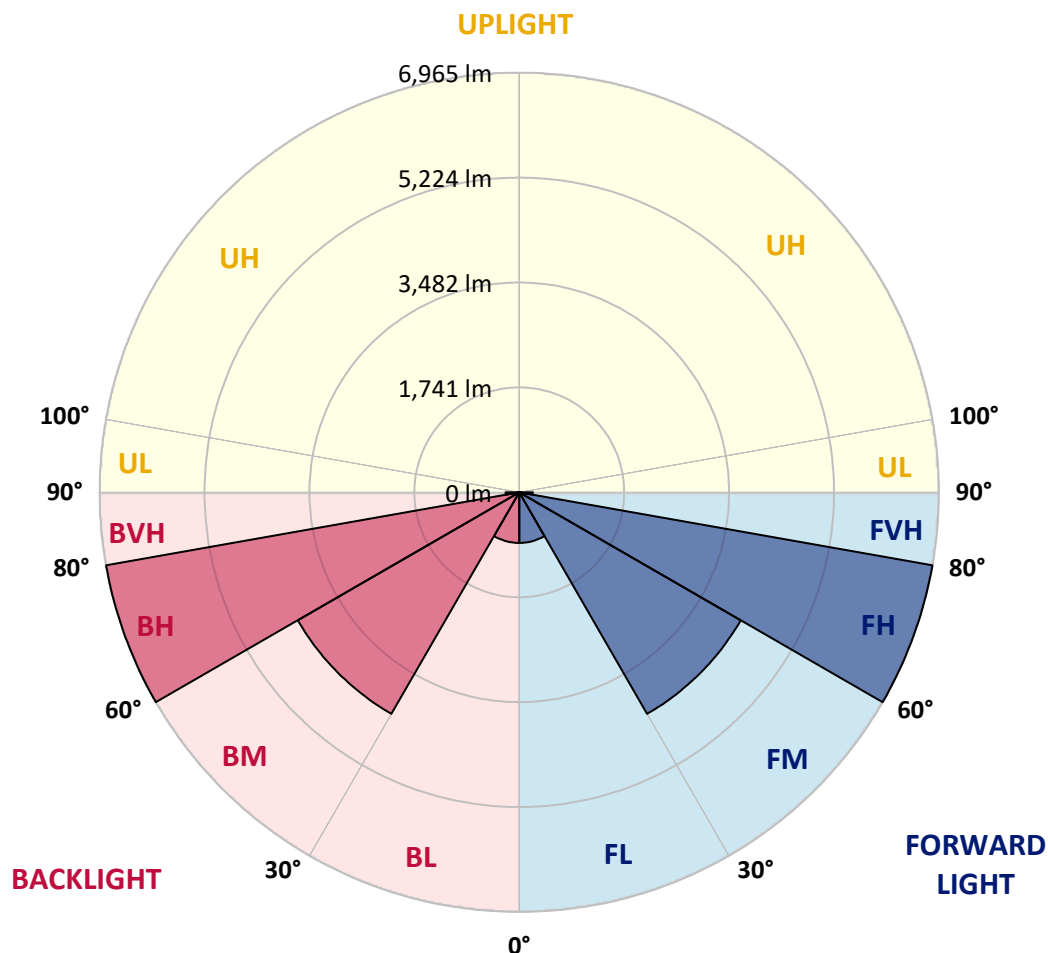
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	839.4	3.4			
FM	(30°-60°)	4245.4	17.3			
FH	(60°-80°)	6964.8	28.4			G3/7500
FVH	(80°-90°)	226.9	0.9			G3/500
BL	(0°-30°)	839.4	3.4	B2/1000		
BM	(30°-60°)	4245.4	17.3	B3/5000		
BH	(60°-80°)	6964.8	28.4	B5		G3/7500
BVH	(80°-90°)	226.9	0.9			G3/500
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°	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7
2.5°	2011.8	2014.2	2011.8	2013.4	2009.3	2011.0	2011.0	2011.0	2010.2	2011.0	2009.3
5°	1993.9	1995.5	1992.3	1993.9	1991.5	1993.9	1994.7	1993.9	1992.3	1993.1	1989.9
7.5°	1967.1	1968.7	1966.3	1968.7	1965.5	1969.5	1968.7	1966.3	1963.9	1963.9	1960.6
10°	1952.5	1953.3	1946.8	1944.4	1937.1	1938.7	1941.1	1943.6	1946.0	1950.9	1950.1
12.5°	1953.3	1953.3	1943.6	1933.0	1922.4	1924.9	1928.9	1937.9	1947.6	1956.6	1957.4
15°	1961.4	1960.6	1946.0	1928.9	1921.6	1928.9	1931.4	1937.1	1952.5	1967.9	1968.7
17.5°	1967.1	1967.1	1944.4	1924.9	1924.1	1935.4	1934.6	1937.1	1954.1	1976.9	1977.7
20°	1977.7	1977.7	1948.4	1927.3	1927.3	1939.5	1940.3	1944.4	1961.4	1986.6	1990.7
22.5°	2001.2	2002.0	1971.2	1954.1	1955.7	1963.1	1965.5	1972.0	1987.4	2015.0	2019.9
25°	2034.5	2036.1	2004.5	1994.7	2000.4	2014.2	2012.6	2017.5	2034.5	2061.3	2066.2
27.5°	2080.8	2076.8	2047.5	2043.5	2049.1	2058.9	2058.1	2058.9	2072.7	2097.1	2102.7
30°	2140.9	2139.3	2118.2	2120.6	2118.2	2114.9	2115.7	2122.2	2129.5	2149.0	2154.7
32.5°	2199.4	2201.0	2188.0	2200.2	2218.1	2230.3	2211.6	2193.7	2185.6	2196.1	2201.0
35°	2305.0	2309.0	2288.7	2280.6	2305.0	2340.7	2287.9	2258.7	2274.9	2288.7	2292.8
37.5°	2484.5	2486.9	2452.8	2420.3	2402.4	2436.6	2383.8	2386.2	2443.1	2469.0	2468.2
40°	2689.1	2690.0	2667.2	2638.8	2607.9	2616.0	2594.9	2601.4	2638.8	2662.3	2668.8
42.5°	2932.8	2930.4	2894.6	2854.0	2845.1	2853.2	2817.5	2812.6	2855.6	2897.9	2898.7
45°	3248.7	3243.1	3196.8	3152.1	3109.0	3091.2	3082.2	3105.8	3165.1	3204.1	3204.9
47.5°	3589.0	3573.6	3549.2	3513.5	3476.2	3458.3	3443.7	3455.0	3498.1	3513.5	3515.1
50°	3939.1	3942.3	3947.2	3933.4	3919.6	3913.9	3875.7	3853.8	3866.8	3838.4	3834.3
52.5°	4354.1	4360.6	4407.7	4447.5	4471.1	4483.3	4411.0	4335.4	4293.2	4238.0	4221.7
55°	4843.9	4854.4	4923.5	5033.9	5147.6	5207.7	5077.0	4935.6	4804.9	4701.7	4668.4
57.5°	5389.7	5408.3	5503.4	5715.3	5948.4	6090.6	5869.7	5613.0	5360.4	5211.8	5185.8
60°	6029.7	6047.5	6179.1	6482.9	6860.5	7074.1	6739.5	6319.6	6005.3	5863.2	5815.2
62.5°	6791.5	6793.1	6954.7	7309.7	7808.3	8105.6	7652.4	7091.2	6767.1	6595.8	6549.5
65°	7611.0	7615.0	7782.4	8165.7	8681.4	9004.7	8493.0	7908.2	7511.9	7259.3	7223.6
67.5°	8190.1	8207.1	8383.4	8844.7	9327.1	9618.7	9089.2	8428.0	7970.0	7668.6	7638.6
70°	8097.5	8164.1	8371.2	8909.7	9580.5	9996.4	9185.8	8366.3	7762.0	7406.3	7381.1
72.5°	7061.9	7189.5	7465.6	8172.2	9245.1	9817.7	8658.7	7493.2	6809.4	6506.4	6460.9
75°	4808.9	5016.1	5432.7	6452.0	7898.5	8500.3	7289.4	5974.4	5331.2	4912.1	4881.2
77.5°	2144.2	2191.3	2719.2	3892.8	5450.6	6104.4	5296.3	3908.2	2933.6	2339.9	2214.8
80°	597.8	605.1	807.3	1449.7	2728.1	3586.6	2928.7	1522.8	856.0	603.5	568.5
82.5°	190.1	206.3	251.8	376.0	917.0	1636.6	941.3	406.1	289.1	230.7	207.9
85°	92.6	91.8	127.5	152.7	233.9	362.2	249.3	188.4	164.9	109.6	99.1
87.5°	39.0	39.8	59.3	53.6	68.2	58.5	80.4	84.5	88.5	48.7	42.2
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)