

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: P316158

Luminaire Tested: **GAN-SA4B-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316158
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-SA4B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24281 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

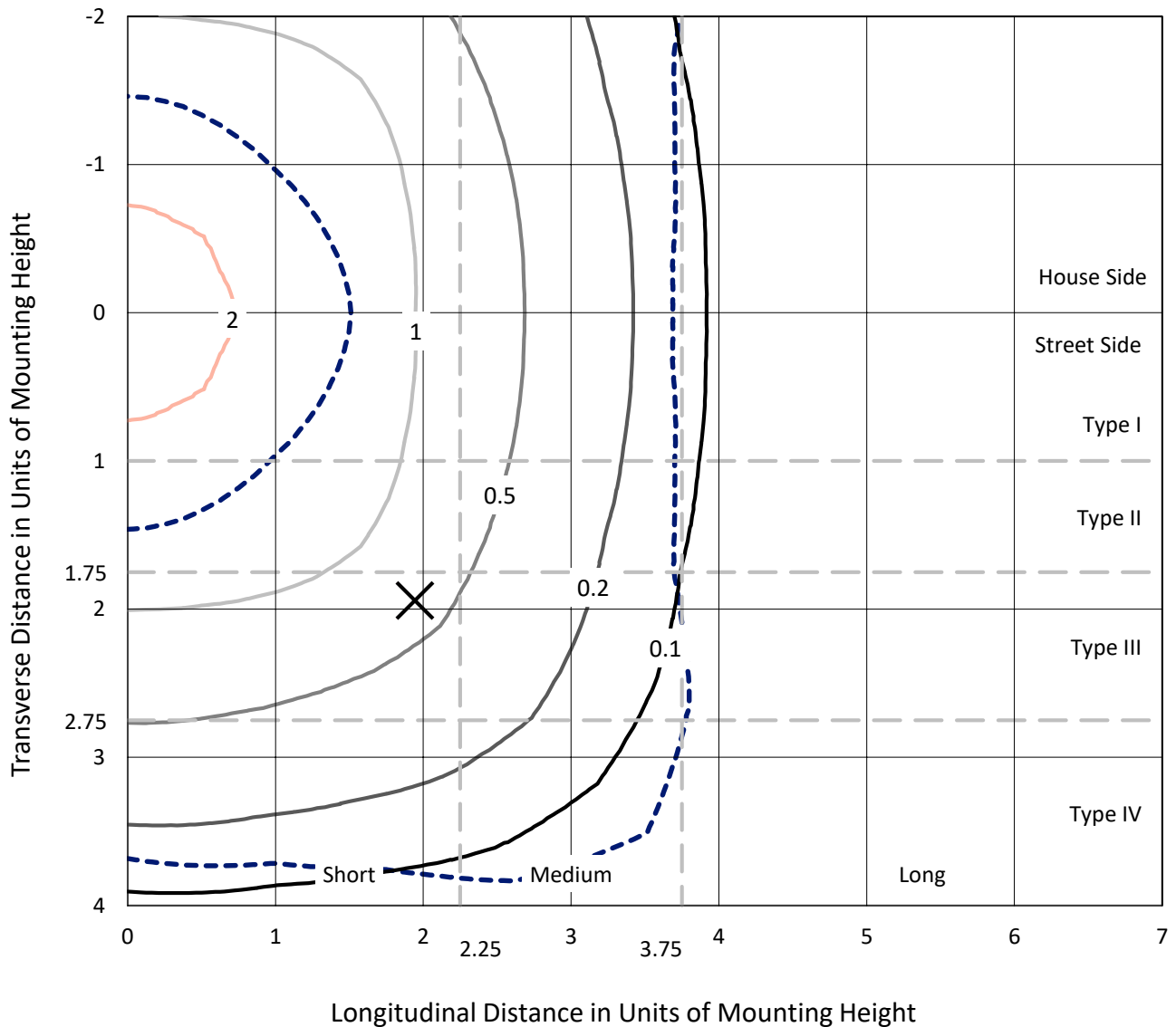
Input Watts (W): 171
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

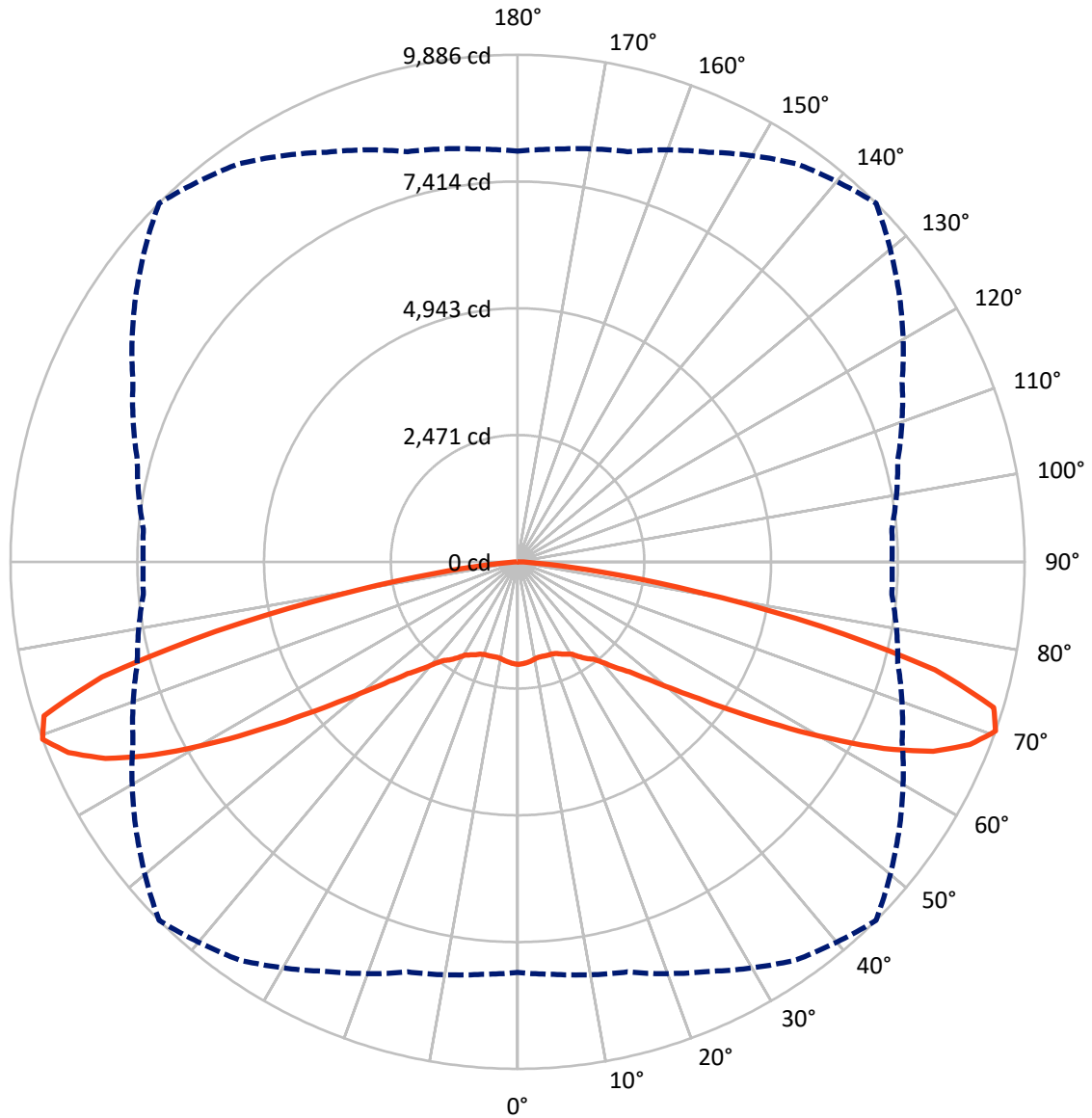
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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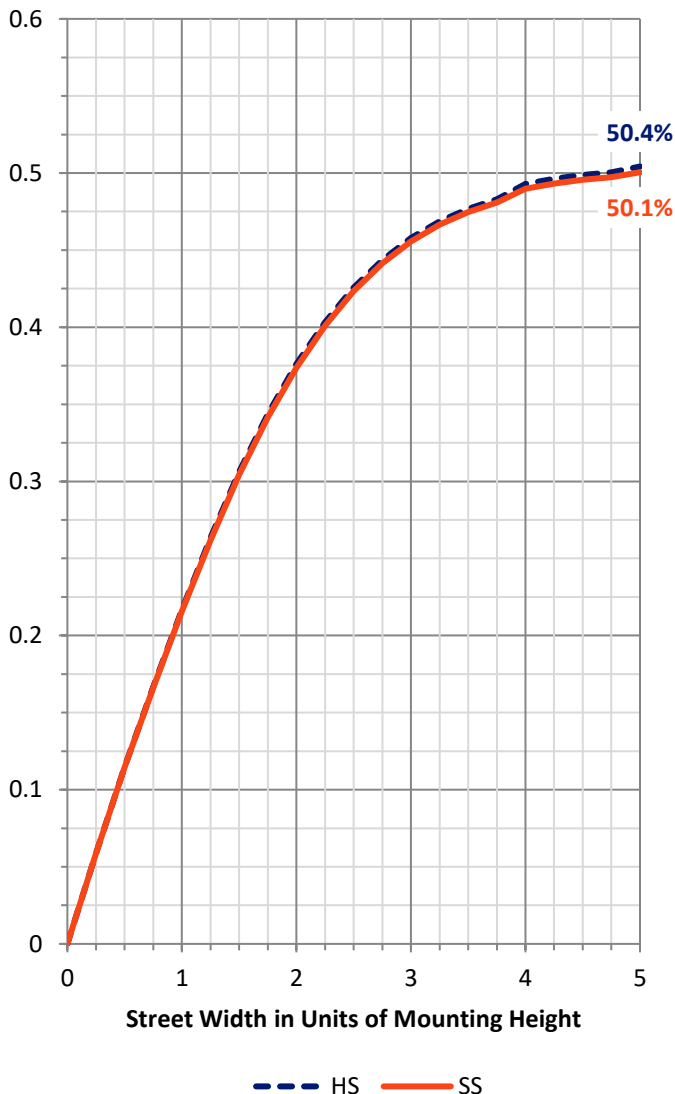
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12140.5	0.0	12140.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12140.5	0.0	12140.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24281.0	0.0	24281.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	0.8
10°-20°	544.8	2.2
20°-30°	928.9	3.8
30°-40°	1451.4	6.0
40°-50°	2459.8	10.1
50°-60°	4485.6	18.5
60°-70°	7722.2	31.8
70°-80°	6053.0	24.9
80°-90°	448.8	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°	24281.0	100.0
0°-180°	24281.0	100.0



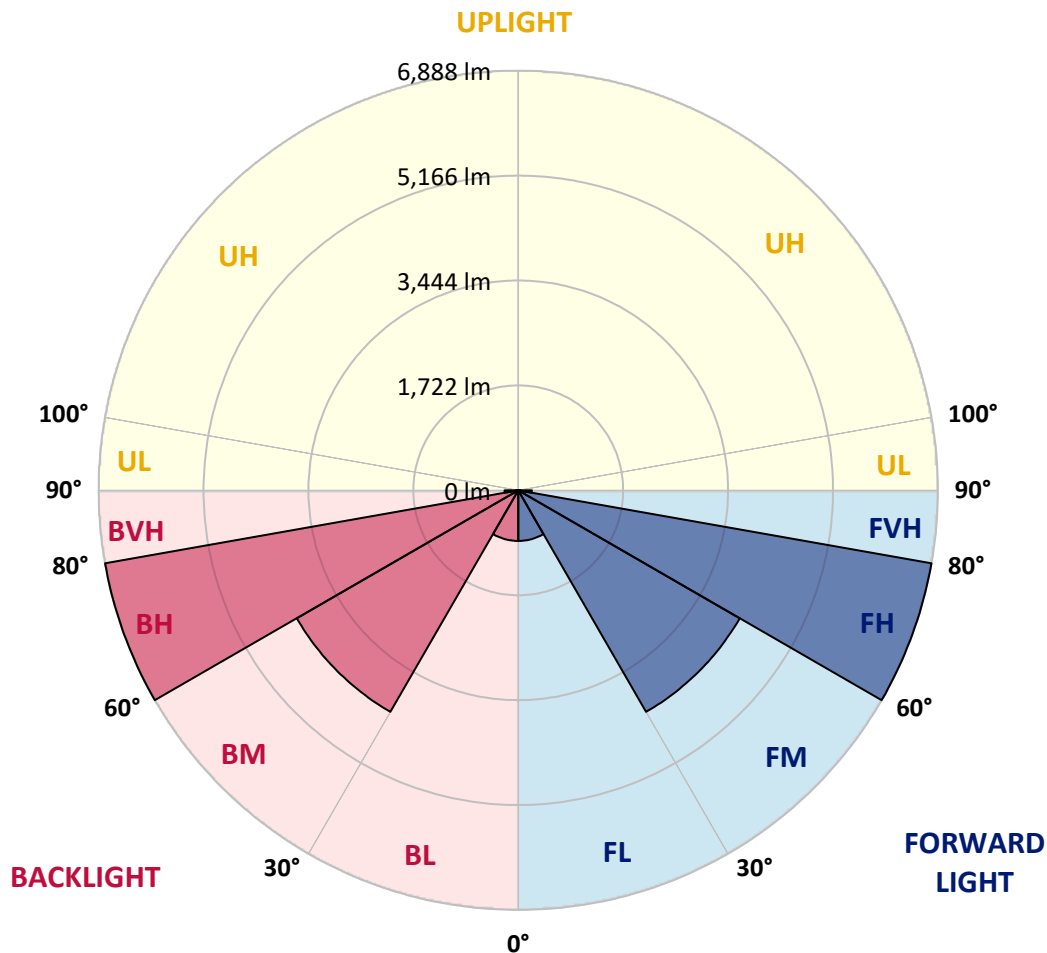
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.1	3.4			
FM (30°-60°)	4198.4	17.3			
FH (60°-80°)	6887.6	28.4			G3/7500
FVH (80°-90°)	224.4	0.9			G2/225
BL (0°-30°)	830.1	3.4	B2/1000		
BM (30°-60°)	4198.4	17.3	B3/5000		
BH (60°-80°)	6887.6	28.4	B5		G3/7500
BVH (80°-90°)	224.4	0.9			G2/225
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°	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3	1998.3
2.5°	1989.5	1991.9	1989.5	1991.1	1987.1	1988.7	1988.7	1988.7	1987.9	1988.7	1987.1
5°	1971.8	1973.4	1970.2	1971.8	1969.4	1971.8	1972.6	1971.8	1970.2	1971.0	1967.8
7.5°	1945.3	1946.9	1944.5	1946.9	1943.7	1947.7	1946.9	1944.5	1942.1	1942.1	1938.9
10°	1930.9	1931.7	1925.2	1922.8	1915.6	1917.2	1919.6	1922.0	1924.4	1929.3	1928.5
12.5°	1931.7	1931.7	1922.0	1911.6	1901.1	1903.6	1907.6	1916.4	1926.0	1934.9	1935.7
15°	1939.7	1938.9	1924.4	1907.6	1900.3	1907.6	1910.0	1915.6	1930.9	1946.1	1946.9
17.5°	1945.3	1945.3	1922.8	1903.6	1902.8	1914.0	1913.2	1915.6	1932.5	1955.0	1955.8
20°	1955.8	1955.8	1926.8	1906.0	1906.0	1918.0	1918.8	1922.8	1939.7	1964.6	1968.6
22.5°	1979.1	1979.9	1949.3	1932.5	1934.1	1941.3	1943.7	1950.1	1965.4	1992.7	1997.5
25°	2012.0	2013.6	1982.3	1972.6	1978.2	1991.9	1990.3	1995.1	2012.0	2038.5	2043.3
27.5°	2057.8	2053.7	2024.8	2020.8	2026.4	2036.1	2035.3	2036.1	2049.7	2073.8	2079.5
30°	2117.2	2115.6	2094.7	2097.1	2094.7	2091.5	2092.3	2098.7	2106.0	2125.2	2130.9
32.5°	2175.0	2176.6	2163.8	2175.8	2193.5	2205.6	2187.1	2169.4	2161.4	2171.8	2176.6
35°	2279.4	2283.5	2263.4	2255.3	2279.4	2314.8	2262.6	2233.7	2249.7	2263.4	2267.4
37.5°	2456.9	2459.4	2425.6	2393.5	2375.8	2409.6	2357.4	2359.8	2416.0	2441.7	2440.9
40°	2659.4	2660.2	2637.7	2609.6	2579.0	2587.1	2566.2	2572.6	2609.6	2632.8	2639.3
42.5°	2900.3	2897.9	2862.6	2822.4	2813.6	2821.6	2786.3	2781.4	2824.0	2865.8	2866.6
45°	3212.7	3207.1	3161.3	3117.2	3074.6	3056.9	3048.1	3071.4	3130.0	3168.6	3169.4
47.5°	3549.3	3534.0	3509.9	3474.6	3437.6	3420.0	3405.5	3416.8	3459.3	3474.6	3476.2
50°	3895.5	3898.7	3903.5	3889.8	3876.2	3870.6	3832.8	3811.1	3824.0	3795.9	3791.8
52.5°	4305.9	4312.3	4358.9	4398.3	4421.5	4433.6	4362.1	4287.4	4245.6	4191.0	4175.0
55°	4790.2	4800.6	4868.9	4978.2	5090.6	5150.0	5020.7	4881.0	4751.7	4649.7	4616.7
57.5°	5329.9	5348.4	5442.4	5652.0	5882.5	6023.1	5804.6	5550.8	5301.0	5154.1	5128.3
60°	5962.9	5980.5	6110.6	6411.0	6784.5	6995.8	6664.8	6249.6	5938.8	5798.2	5750.8
62.5°	6716.3	6717.9	6877.7	7228.7	7721.8	8015.8	7567.6	7012.6	6692.2	6522.7	6476.9
65°	7526.7	7530.7	7696.1	8075.2	8585.3	8904.9	8398.9	7820.6	7428.7	7178.9	7143.5
67.5°	8099.3	8116.2	8290.5	8746.7	9223.8	9512.1	8988.5	8334.7	7881.7	7583.7	7554.0
70°	8007.8	8073.6	8278.4	8811.0	9474.4	9885.6	9084.0	8273.6	7676.1	7324.3	7299.4
72.5°	6983.7	7109.8	7382.9	8081.7	9142.7	9708.9	8562.8	7410.2	6733.9	6434.3	6389.4
75°	4755.7	4960.5	5372.5	6380.5	7811.0	8406.2	7208.6	5908.2	5272.1	4857.7	4827.2
77.5°	2120.4	2167.0	2689.1	3849.7	5390.2	6036.8	5237.6	3864.9	2901.1	2314.0	2190.3
80°	591.1	598.4	798.4	1433.7	2697.9	3546.9	2896.3	1506.0	846.6	596.8	562.2
82.5°	187.9	204.0	249.0	371.9	906.8	1618.4	930.9	401.6	285.9	228.1	205.6
85°	91.6	90.8	126.1	151.0	231.3	358.2	246.6	186.3	163.0	108.4	98.0
87.5°	38.6	39.4	58.6	53.0	67.5	57.8	79.5	83.5	87.5	48.2	41.8
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)