

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: P316319

Luminaire Tested: **GAN-SA5B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316319
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-SA5B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 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: 23907 lumens
Efficiency: N/A
Efficacy: 113.8 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): 210
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

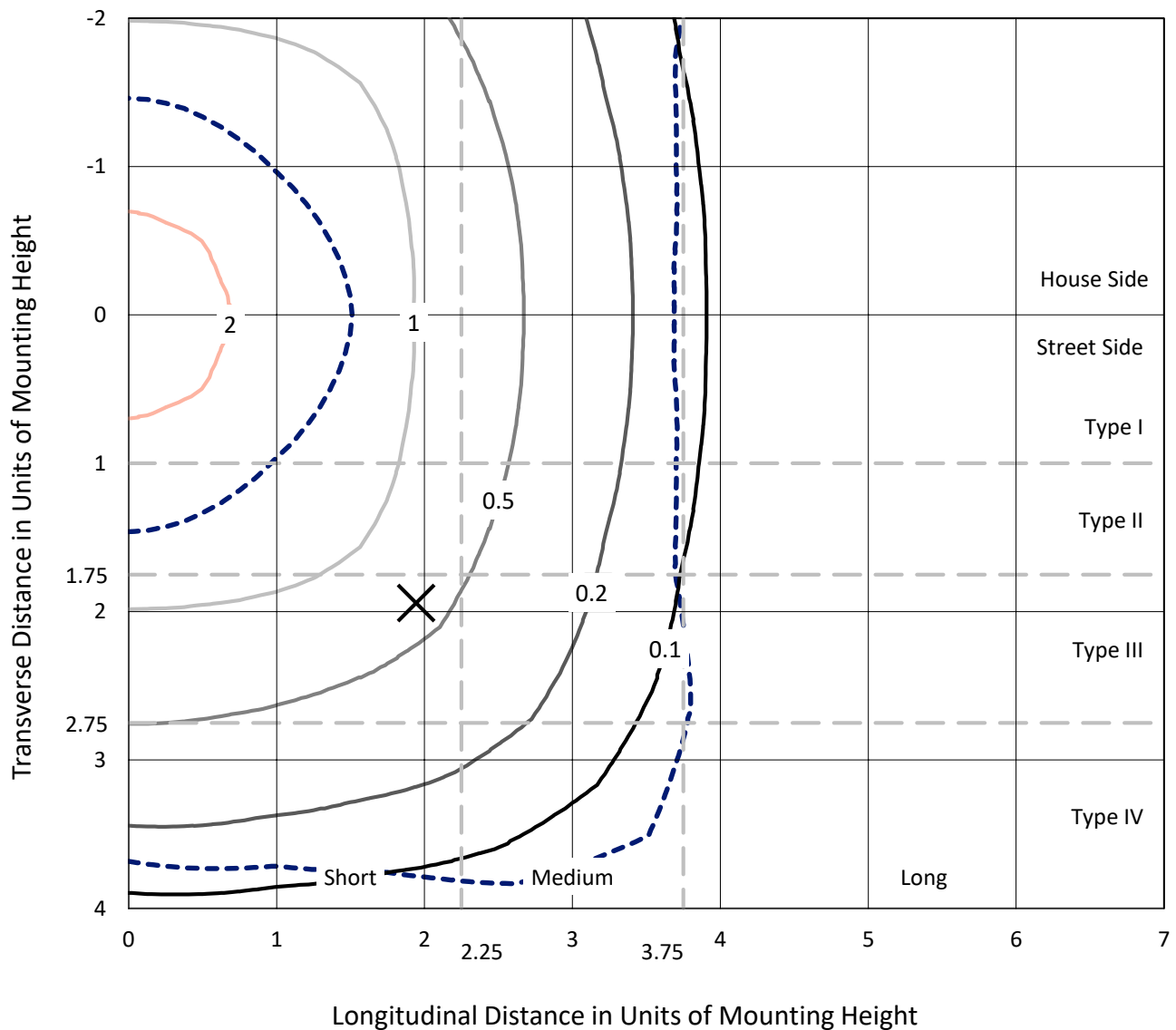


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Iso-Footcandle Lines of Horizontal Illumination

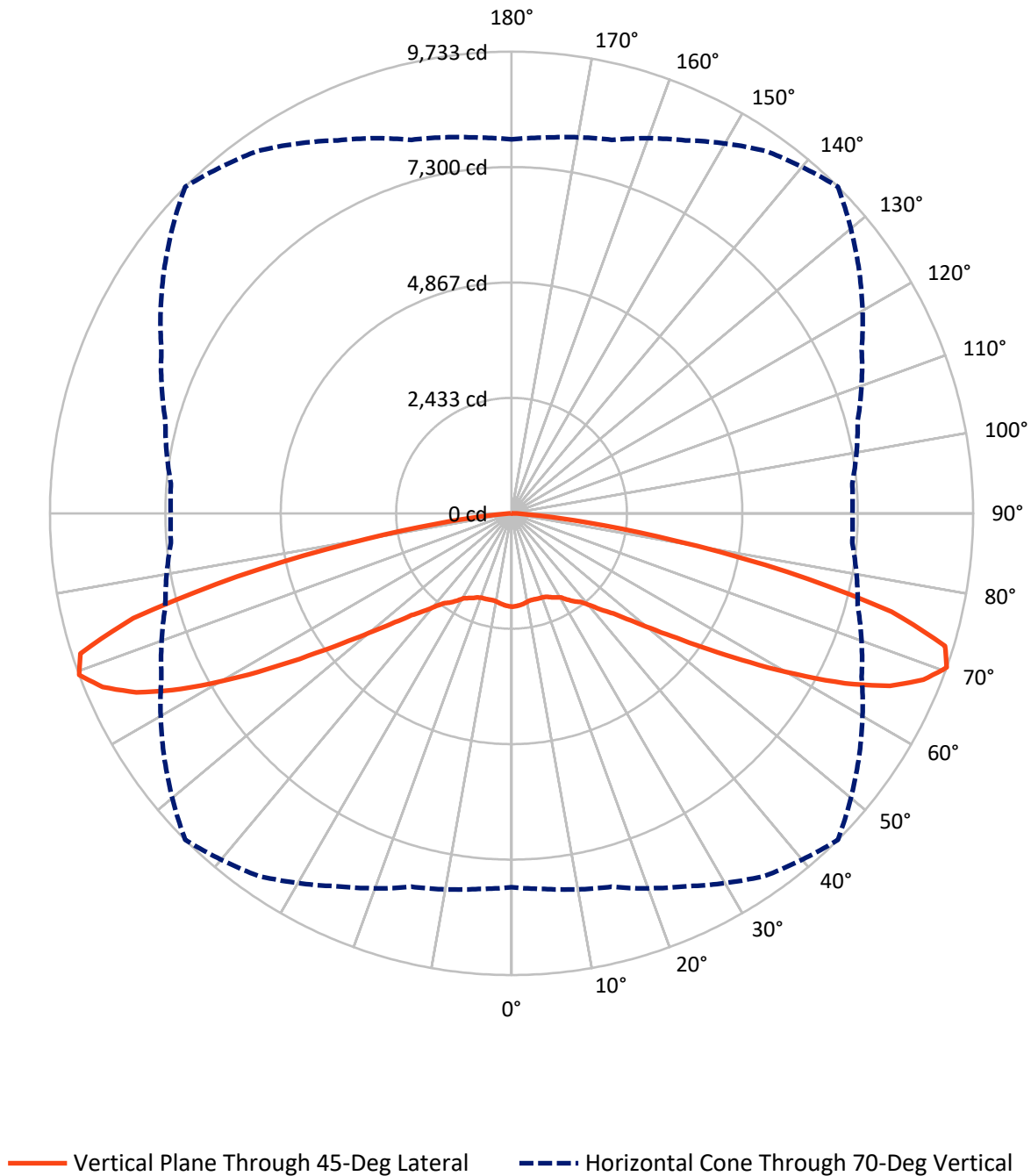
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	11953.5	0.0	11953.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11953.5	0.0	11953.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23907.0	0.0	23907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	0.8
10°-20°	536.4	2.2
20°-30°	914.6	3.8
30°-40°	1429.0	6.0
40°-50°	2421.9	10.1
50°-60°	4416.5	18.5
60°-70°	7603.3	31.8
70°-80°	5959.8	24.9
80°-90°	441.9	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°	23907.0	100.0
0°-180°	23907.0	100.0

Coefficient of Utilization



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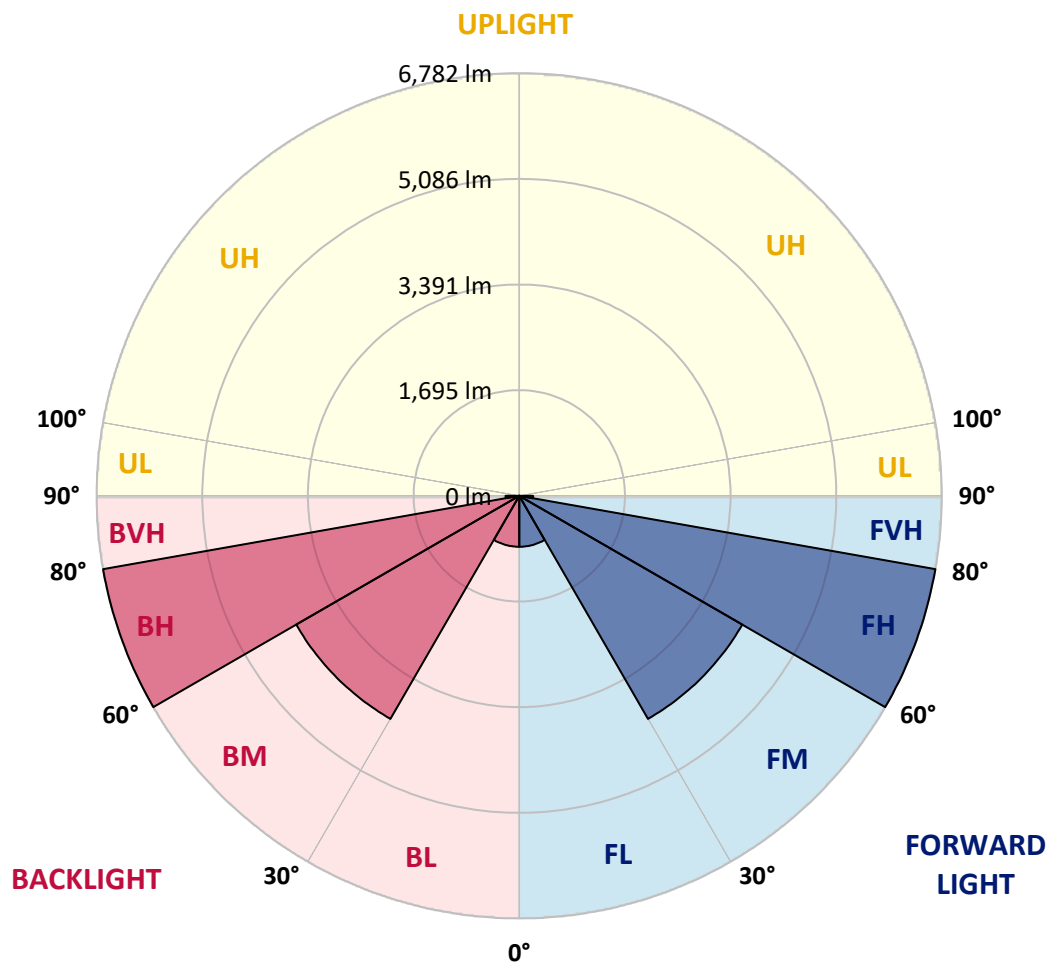
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	817.3	3.4			
FM	(30°-60°)	4133.7	17.3			
FH	(60°-80°)	6781.5	28.4			G3/7500
FVH	(80°-90°)	221.0	0.9			G2/225
BL	(0°-30°)	817.3	3.4	B2/1000		
BM	(30°-60°)	4133.7	17.3	B3/5000		
BH	(60°-80°)	6781.5	28.4	B5		G3/7500
BVH	(80°-90°)	221.0	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°	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5	1967.5
2.5°	1958.9	1961.2	1958.9	1960.4	1956.5	1958.1	1958.1	1958.1	1957.3	1958.1	1956.5
5°	1941.5	1943.0	1939.9	1941.5	1939.1	1941.5	1942.2	1941.5	1939.9	1940.7	1937.5
7.5°	1915.4	1916.9	1914.6	1916.9	1913.8	1917.7	1916.9	1914.6	1912.2	1912.2	1909.0
10°	1901.1	1901.9	1895.6	1893.2	1886.1	1887.7	1890.0	1892.4	1894.8	1899.5	1898.7
12.5°	1901.9	1901.9	1892.4	1882.1	1871.9	1874.2	1878.2	1886.9	1896.4	1905.1	1905.9
15°	1909.8	1909.0	1894.8	1878.2	1871.1	1878.2	1880.6	1886.1	1901.1	1916.1	1916.9
17.5°	1915.4	1915.4	1893.2	1874.2	1873.4	1884.5	1883.7	1886.1	1902.7	1924.8	1925.6
20°	1925.6	1925.6	1897.2	1876.6	1876.6	1888.5	1889.3	1893.2	1909.8	1934.3	1938.3
22.5°	1948.6	1949.4	1919.3	1902.7	1904.3	1911.4	1913.8	1920.1	1935.1	1962.0	1966.8
25°	1981.0	1982.6	1951.7	1942.2	1947.8	1961.2	1959.6	1964.4	1981.0	2007.1	2011.8
27.5°	2026.1	2022.1	1993.6	1989.7	1995.2	2004.7	2003.9	2004.7	2018.2	2041.9	2047.4
30°	2084.6	2083.0	2062.4	2064.8	2062.4	2059.3	2060.1	2066.4	2073.5	2092.5	2098.0
32.5°	2141.5	2143.1	2130.5	2142.3	2159.7	2171.6	2153.4	2136.0	2128.1	2138.4	2143.1
35°	2244.3	2248.3	2228.5	2220.6	2244.3	2279.1	2227.7	2199.3	2215.1	2228.5	2232.5
37.5°	2419.1	2421.5	2388.3	2356.6	2339.2	2372.4	2321.0	2323.4	2378.8	2404.1	2403.3
40°	2618.4	2619.2	2597.0	2569.4	2539.3	2547.2	2526.7	2533.0	2569.4	2592.3	2598.6
42.5°	2855.6	2853.3	2818.5	2778.9	2770.2	2778.1	2743.3	2738.6	2780.5	2821.6	2822.4
45°	3163.3	3157.7	3112.7	3069.2	3027.2	3009.8	3001.1	3024.1	3081.8	3119.8	3120.6
47.5°	3494.6	3479.6	3455.9	3421.1	3384.7	3367.3	3353.1	3364.1	3406.0	3421.1	3422.7
50°	3835.5	3838.6	3843.4	3829.9	3816.5	3810.9	3773.8	3752.4	3765.1	3737.4	3733.4
52.5°	4239.6	4245.9	4291.8	4330.5	4353.4	4365.3	4294.9	4221.4	4180.3	4126.5	4110.7
55°	4716.4	4726.7	4793.9	4901.5	5012.2	5070.7	4943.4	4805.8	4678.5	4578.0	4545.6
57.5°	5247.9	5266.0	5358.6	5565.0	5791.9	5930.3	5715.2	5465.3	5219.4	5074.7	5049.4
60°	5871.0	5888.4	6016.5	6312.3	6680.0	6888.0	6562.2	6153.3	5847.3	5708.9	5662.2
62.5°	6612.8	6614.4	6771.8	7117.3	7602.9	7892.3	7451.1	6904.6	6589.1	6422.2	6377.1
65°	7410.7	7414.7	7577.6	7950.9	8453.0	8767.8	8269.6	7700.2	7314.3	7068.3	7033.5
67.5°	7974.6	7991.2	8162.8	8612.0	9081.7	9365.6	8850.0	8206.3	7760.3	7466.9	7437.6
70°	7884.4	7949.3	8150.9	8675.2	9328.5	9733.4	8944.1	8146.2	7557.8	7211.4	7186.9
72.5°	6876.1	7000.3	7269.2	7957.2	9001.9	9559.4	8430.9	7296.1	6630.2	6335.2	6290.9
75°	4682.4	4884.1	5289.8	6282.2	7690.7	8276.7	7097.6	5817.2	5190.9	4782.9	4752.8
77.5°	2087.8	2133.6	2647.7	3790.4	5307.2	5943.8	5156.9	3805.4	2856.4	2278.3	2156.6
80°	582.0	589.2	786.1	1411.6	2656.3	3492.2	2851.7	1482.8	833.5	587.6	553.6
82.5°	185.1	200.9	245.2	366.1	892.8	1593.5	916.6	395.4	281.5	224.6	202.4
85°	90.2	89.4	124.2	148.7	227.8	352.7	242.8	183.5	160.5	106.8	96.5
87.5°	38.0	38.7	57.7	52.2	66.4	56.9	78.3	82.2	86.2	47.4	41.1
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)