

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: P316310

Luminaire Tested: **GAN-SA6A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316310
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 23330 lumens
Efficiency: N/A
Efficacy: 120.9 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

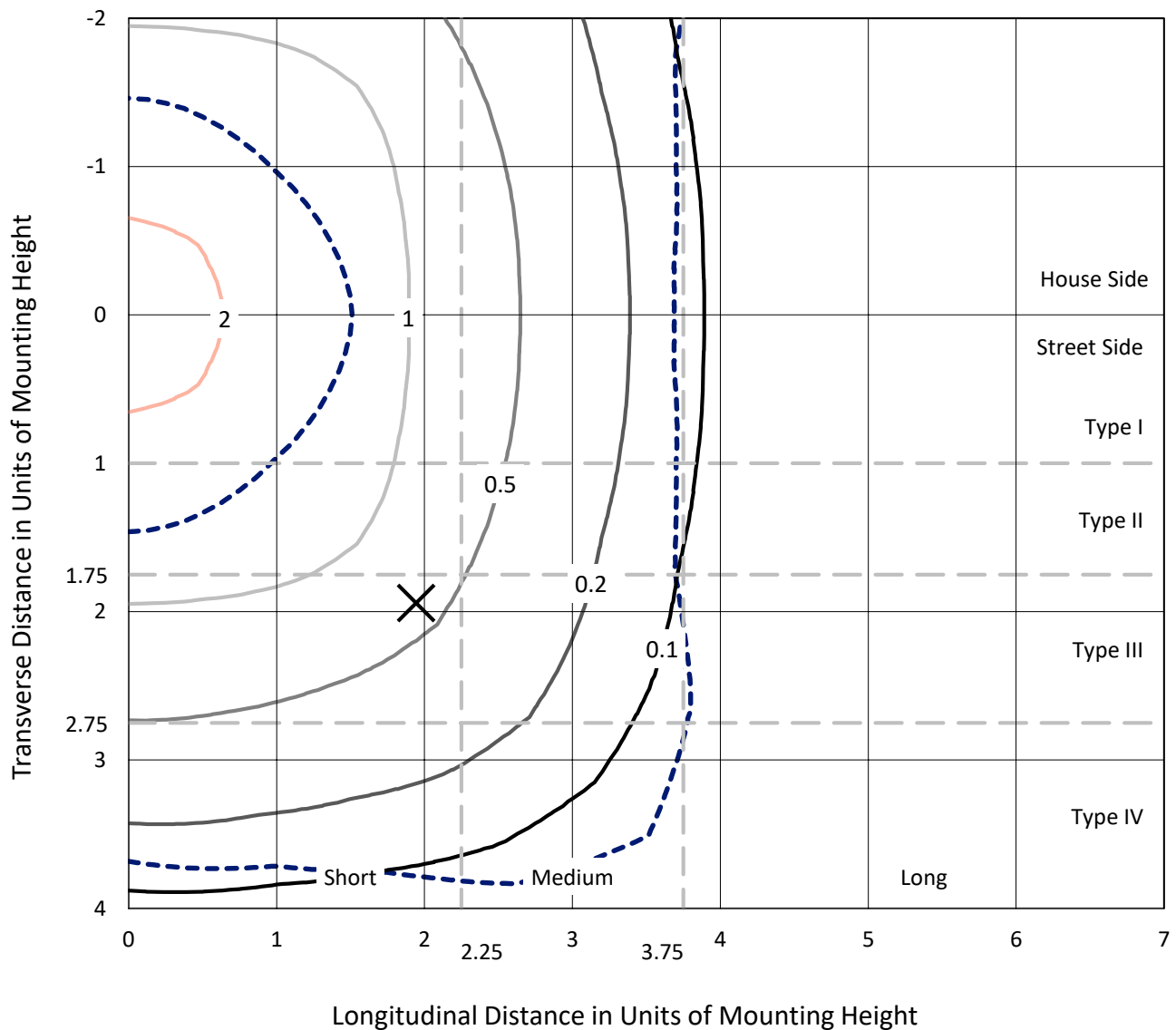


REPORT NUMBER: P316310

CATALOG NUMBER: GAN-SA6A-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

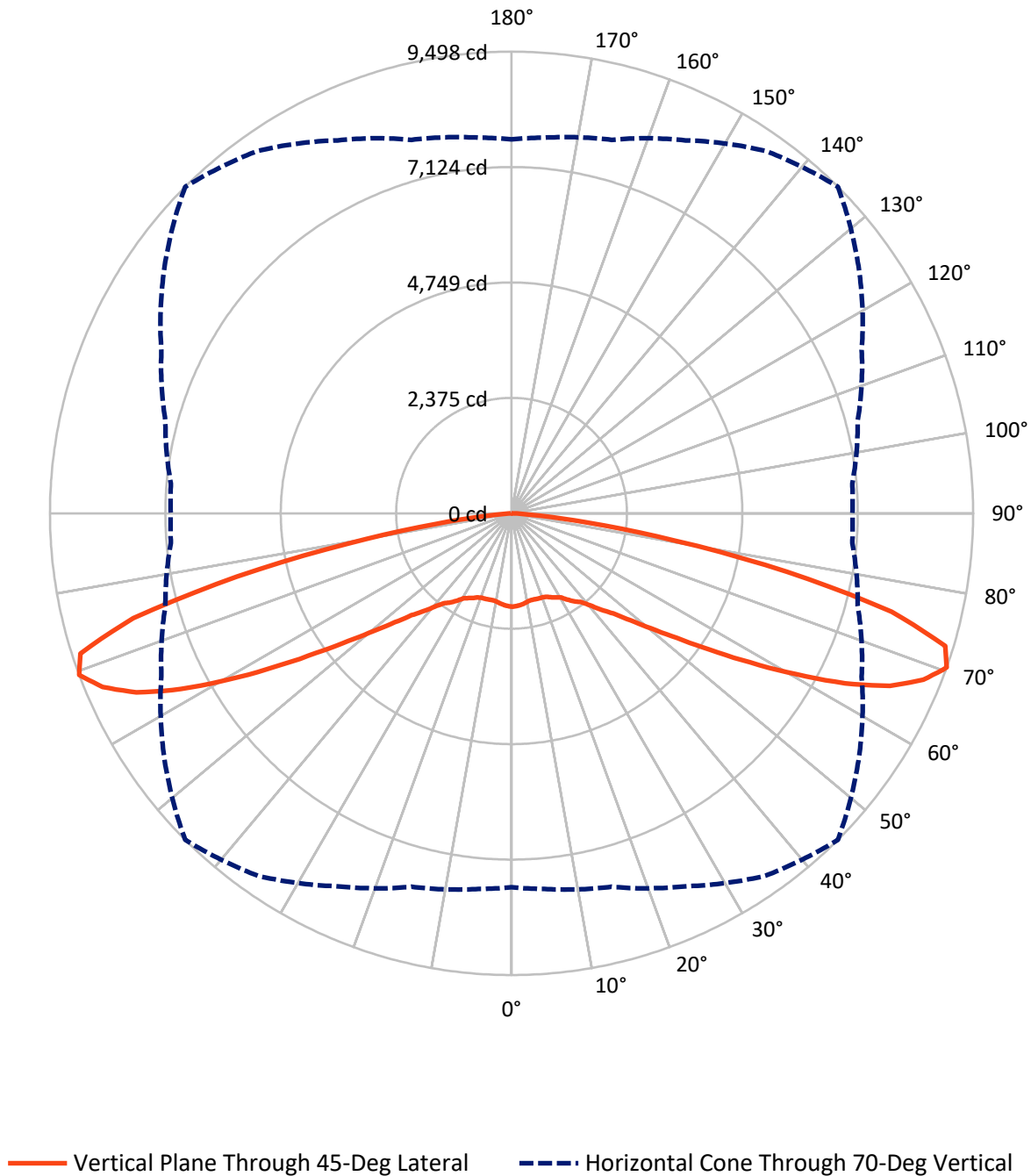
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316310
CATALOG NUMBER: GAN-SA6A-830-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11665.0	0.0	11665.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11665.0	0.0	11665.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23330.0	0.0	23330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	0.8
10°-20°	523.5	2.2
20°-30°	892.5	3.8
30°-40°	1394.5	6.0
40°-50°	2363.4	10.1
50°-60°	4309.9	18.5
60°-70°	7419.8	31.8
70°-80°	5815.9	24.9
80°-90°	431.2	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°	23330.0	100.0
0°-180°	23330.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316310

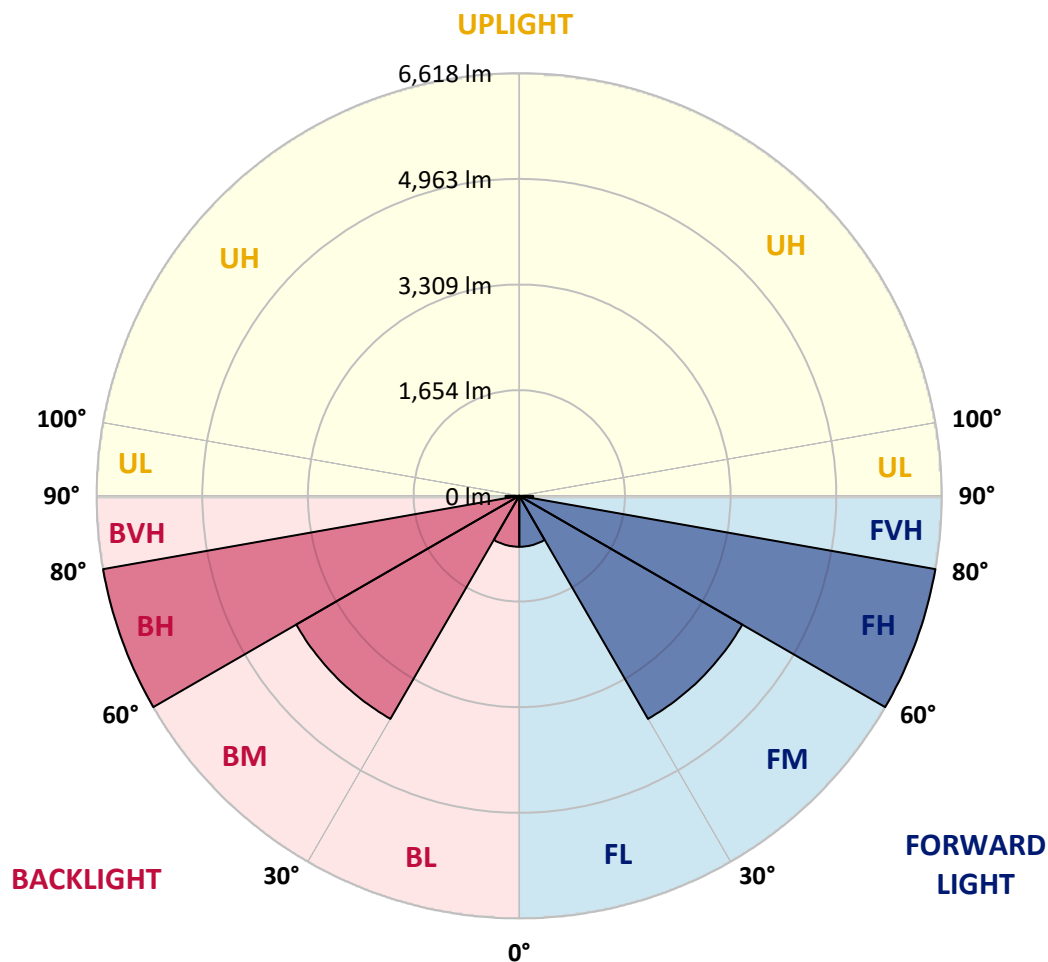
CATALOG NUMBER: GAN-SA6A-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	797.6	3.4			
FM	(30°-60°)	4033.9	17.3			
FH	(60°-80°)	6617.9	28.4			G3/7500
FVH	(80°-90°)	215.6	0.9			G2/225
BL	(0°-30°)	797.6	3.4	B2/1000		
BM	(30°-60°)	4033.9	17.3	B3/5000		
BH	(60°-80°)	6617.9	28.4	B5		G3/7500
BVH	(80°-90°)	215.6	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





REPORT NUMBER: P316310

CATALOG NUMBER: GAN-SA6A-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1	1920.1
2.5°	1911.6	1913.9	1911.6	1913.1	1909.3	1910.8	1910.8	1910.8	1910.0	1910.8	1909.3
5°	1894.6	1896.1	1893.1	1894.6	1892.3	1894.6	1895.4	1894.6	1893.1	1893.8	1890.7
7.5°	1869.1	1870.7	1868.4	1870.7	1867.6	1871.4	1870.7	1868.4	1866.0	1866.0	1863.0
10°	1855.2	1856.0	1849.8	1847.5	1840.6	1842.1	1844.4	1846.7	1849.1	1853.7	1852.9
12.5°	1856.0	1856.0	1846.7	1836.7	1826.7	1829.0	1832.9	1841.3	1850.6	1859.1	1859.9
15°	1863.7	1863.0	1849.1	1832.9	1825.9	1832.9	1835.2	1840.6	1855.2	1869.9	1870.7
17.5°	1869.1	1869.1	1847.5	1829.0	1828.2	1839.0	1838.3	1840.6	1856.8	1878.4	1879.2
20°	1879.2	1879.2	1851.4	1831.3	1831.3	1842.9	1843.7	1847.5	1863.7	1887.6	1891.5
22.5°	1901.5	1902.3	1873.0	1856.8	1858.3	1865.3	1867.6	1873.8	1888.4	1914.7	1919.3
25°	1933.2	1934.7	1904.6	1895.4	1900.8	1913.9	1912.3	1917.0	1933.2	1958.6	1963.3
27.5°	1977.2	1973.3	1945.5	1941.7	1947.1	1956.3	1955.6	1956.3	1969.5	1992.6	1998.0
30°	2034.3	2032.7	2012.7	2015.0	2012.7	2009.6	2010.4	2016.5	2023.5	2042.0	2047.4
32.5°	2089.8	2091.4	2079.0	2090.6	2107.6	2119.2	2101.4	2084.4	2076.7	2086.8	2091.4
35°	2190.2	2194.0	2174.7	2167.0	2190.2	2224.1	2174.0	2146.2	2161.6	2174.7	2178.6
37.5°	2360.7	2363.0	2330.6	2299.8	2282.8	2315.2	2265.0	2267.3	2321.4	2346.1	2345.3
40°	2555.2	2556.0	2534.4	2507.3	2478.0	2485.7	2465.7	2471.8	2507.3	2529.7	2535.9
42.5°	2786.7	2784.4	2750.4	2711.9	2703.4	2711.1	2677.1	2672.5	2713.4	2753.5	2754.3
45°	3086.9	3081.5	3037.5	2995.1	2954.2	2937.2	2928.7	2951.1	3007.4	3044.5	3045.2
47.5°	3410.3	3395.6	3372.5	3338.5	3303.0	3286.0	3272.1	3282.9	3323.8	3338.5	3340.0
50°	3742.9	3746.0	3750.6	3737.5	3724.4	3719.0	3682.7	3661.9	3674.2	3647.2	3643.3
52.5°	4137.2	4143.4	4188.2	4226.0	4248.4	4259.9	4191.3	4119.5	4079.4	4026.9	4011.4
55°	4602.6	4612.6	4678.2	4783.2	4891.2	4948.3	4824.1	4689.8	4565.5	4467.5	4435.9
57.5°	5121.2	5138.9	5229.2	5430.7	5652.1	5787.2	5577.3	5333.4	5093.4	4952.2	4927.5
60°	5729.3	5746.3	5871.3	6159.9	6518.8	6721.8	6403.8	6004.8	5706.2	5571.1	5525.6
62.5°	6453.2	6454.7	6608.3	6945.6	7419.4	7701.9	7271.2	6738.0	6430.0	6267.2	6223.2
65°	7231.9	7235.7	7394.7	7759.0	8249.0	8556.2	8070.0	7514.3	7137.7	6897.7	6863.8
67.5°	7782.1	7798.3	7965.8	8404.1	8862.5	9139.6	8636.4	8008.2	7573.0	7286.7	7258.1
70°	7694.1	7757.4	7954.2	8465.9	9103.3	9498.4	8728.3	7949.6	7375.4	7037.4	7013.5
72.5°	6710.2	6831.3	7093.7	7765.1	8784.6	9328.7	8227.4	7120.0	6470.2	6182.3	6139.1
75°	4569.4	4766.2	5162.1	6130.6	7505.1	8076.9	6926.3	5676.8	5065.6	4667.4	4638.1
77.5°	2037.4	2082.1	2583.7	3698.9	5179.1	5800.3	5032.4	3713.6	2787.5	2223.4	2104.5
80°	568.0	574.9	767.1	1377.5	2592.2	3408.0	2782.9	1447.0	813.4	573.4	540.2
82.5°	180.6	196.0	239.2	357.3	871.3	1555.0	894.4	385.9	274.7	219.2	197.6
85°	88.0	87.2	121.2	145.1	222.3	344.2	236.9	179.0	156.7	104.2	94.2
87.5°	37.0	37.8	56.3	50.9	64.8	55.6	76.4	80.3	84.1	46.3	40.1
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)