

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: P316137

Luminaire Tested: **GAN-SA3D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316137
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-SA3D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22722 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

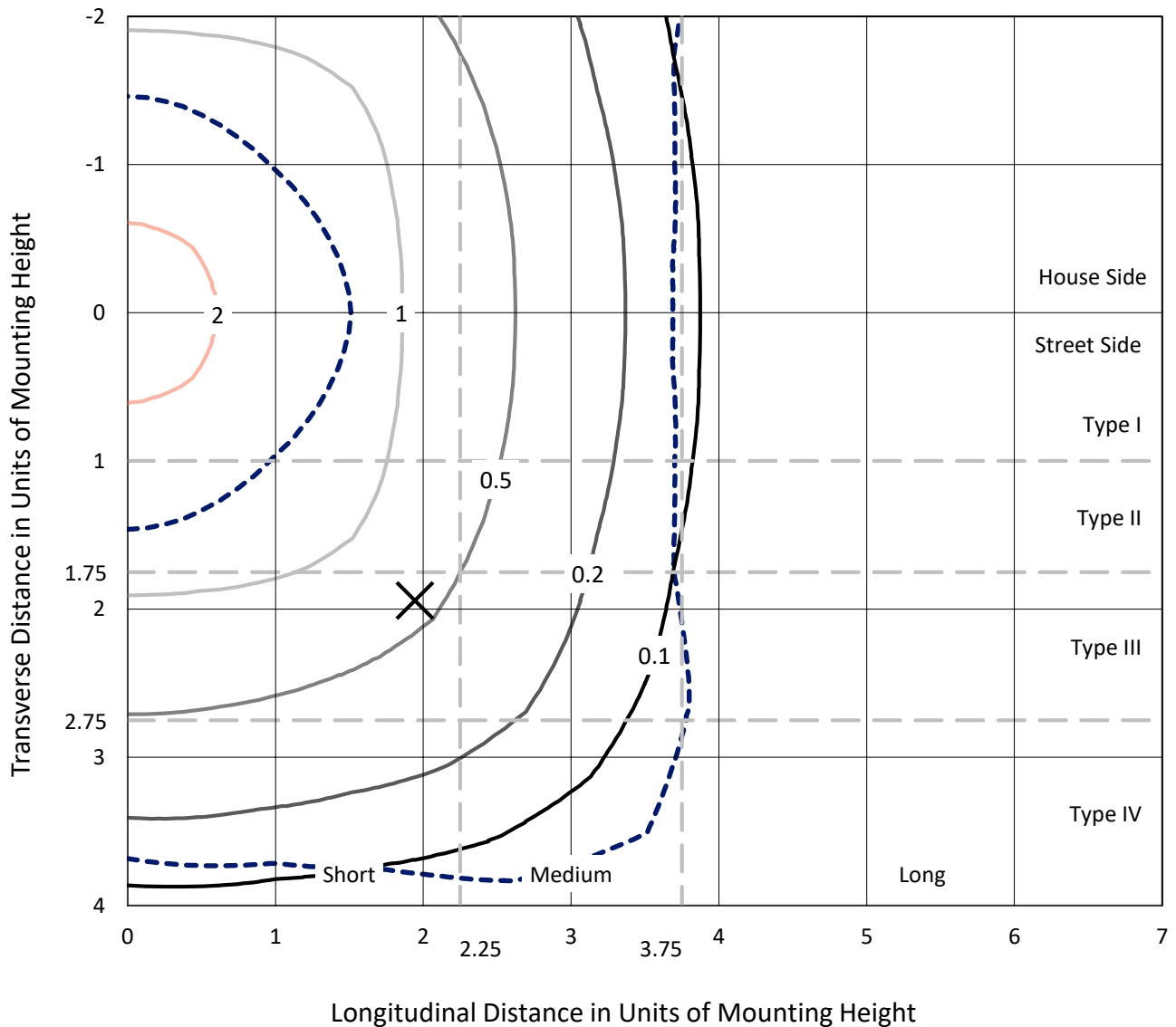
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

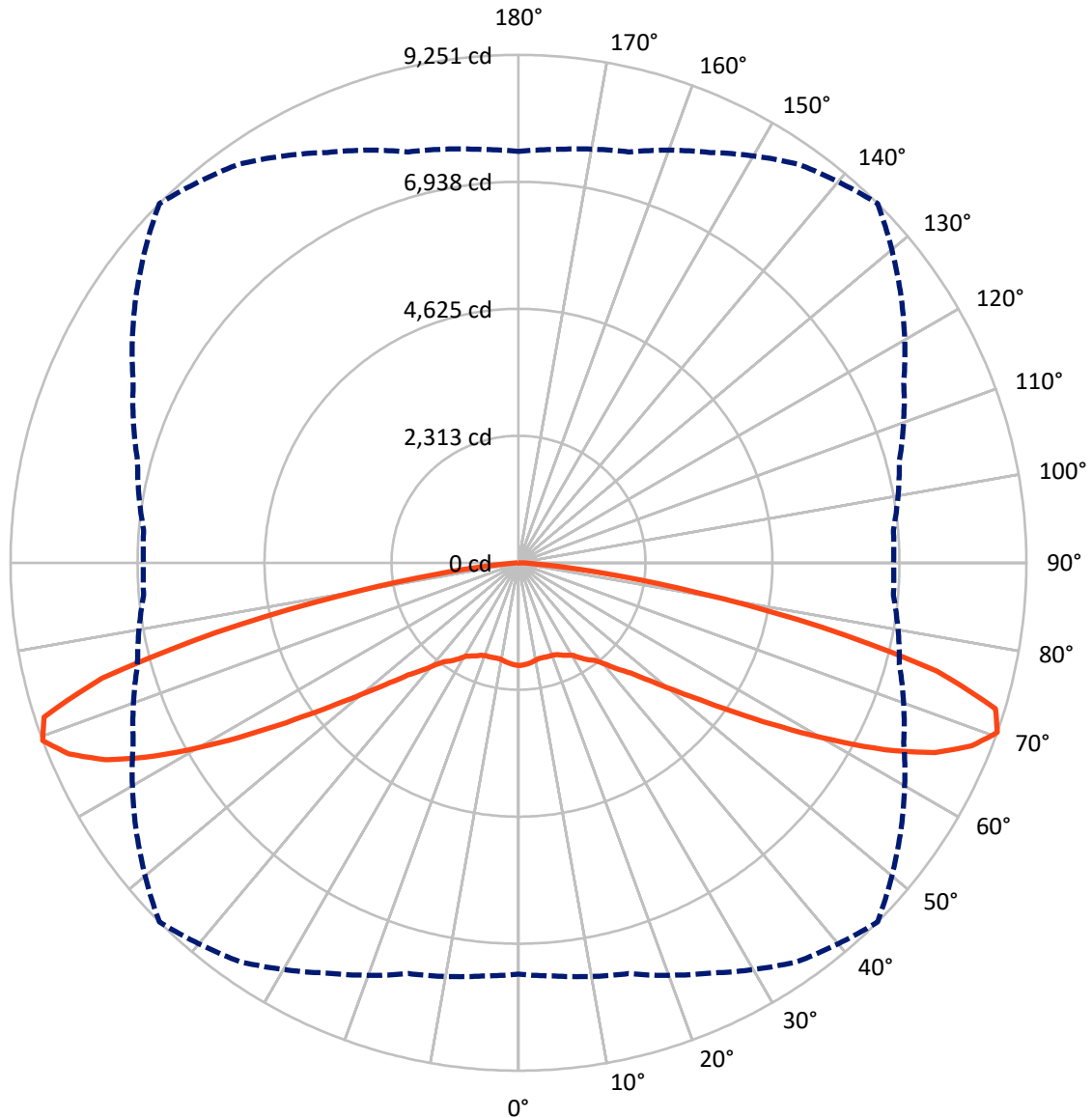
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	11361.0	0.0	11361.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11361.0	0.0	11361.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22722.0	0.0	22722.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	0.8
10°-20°	509.8	2.2
20°-30°	869.2	3.8
30°-40°	1358.2	6.0
40°-50°	2301.8	10.1
50°-60°	4197.6	18.5
60°-70°	7226.4	31.8
70°-80°	5664.3	24.9
80°-90°	420.0	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°	22722.0	100.0
0°-180°	22722.0	100.0



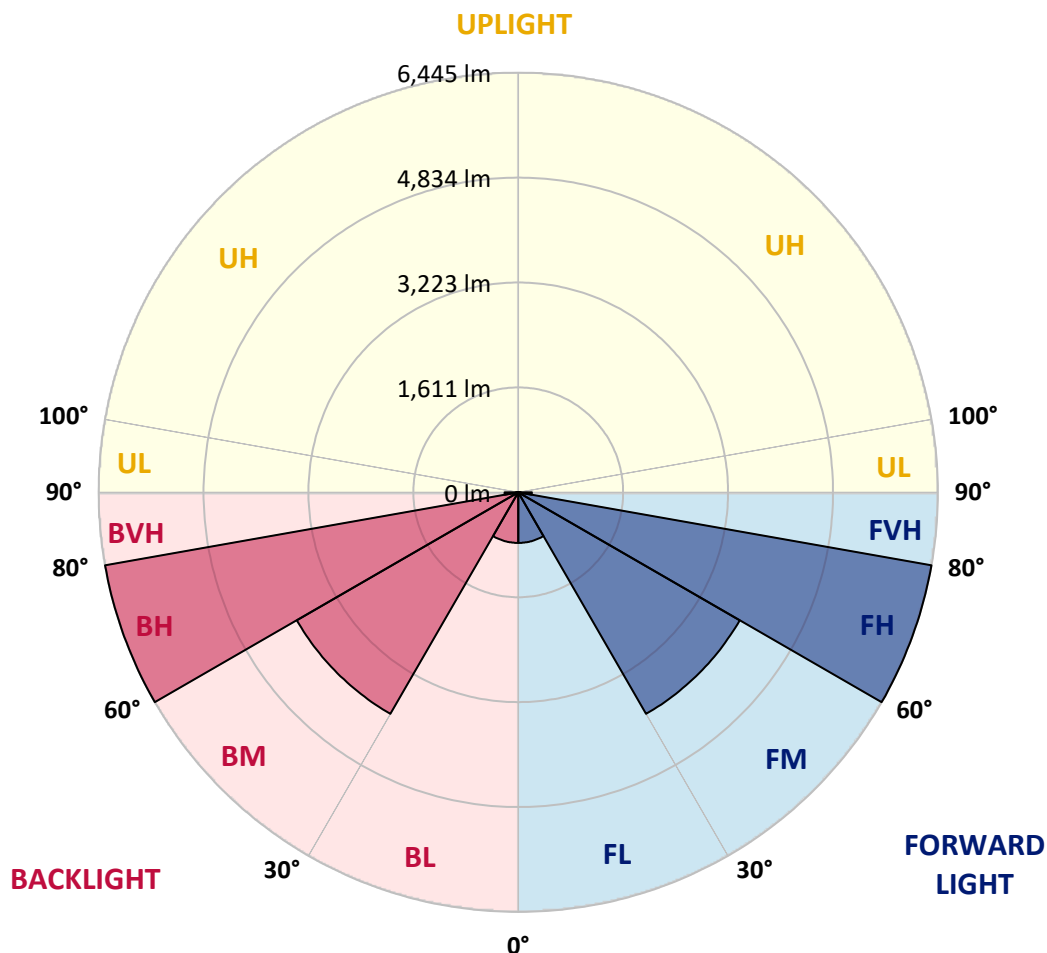
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	776.8	3.4			
FM (30°-60°)	3928.8	17.3			
FH (60°-80°)	6445.4	28.4			G3/7500
FVH (80°-90°)	210.0	0.9			G2/225
BL (0°-30°)	776.8	3.4	B2/1000		
BM (30°-60°)	3928.8	17.3	B3/5000		
BH (60°-80°)	6445.4	28.4	B5		G3/7500
BVH (80°-90°)	210.0	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°	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0
2.5°	1861.8	1864.0	1861.8	1863.3	1859.5	1861.0	1861.0	1861.0	1860.3	1861.0	1859.5
5°	1845.2	1846.7	1843.7	1845.2	1843.0	1845.2	1846.0	1845.2	1843.7	1844.5	1841.5
7.5°	1820.4	1821.9	1819.7	1821.9	1818.9	1822.7	1821.9	1819.7	1817.4	1817.4	1814.4
10°	1806.9	1807.6	1801.6	1799.4	1792.6	1794.1	1796.4	1798.6	1800.9	1805.4	1804.6
12.5°	1807.6	1807.6	1798.6	1788.8	1779.1	1781.3	1785.1	1793.4	1802.4	1810.6	1811.4
15°	1815.2	1814.4	1800.9	1785.1	1778.3	1785.1	1787.3	1792.6	1806.9	1821.2	1821.9
17.5°	1820.4	1820.4	1799.4	1781.3	1780.6	1791.1	1790.4	1792.6	1808.4	1829.4	1830.2
20°	1830.2	1830.2	1803.1	1783.6	1783.6	1794.9	1795.6	1799.4	1815.2	1838.5	1842.2
22.5°	1852.0	1852.7	1824.2	1808.4	1809.9	1816.7	1818.9	1824.9	1839.2	1864.8	1869.3
25°	1882.8	1884.3	1855.0	1846.0	1851.2	1864.0	1862.5	1867.0	1882.8	1907.6	1912.1
27.5°	1925.6	1921.9	1894.8	1891.1	1896.3	1905.3	1904.6	1905.3	1918.1	1940.7	1945.9
30°	1981.3	1979.8	1960.2	1962.5	1960.2	1957.2	1958.0	1964.0	1970.7	1988.8	1994.0
32.5°	2035.4	2036.9	2024.9	2036.1	2052.7	2063.9	2046.7	2030.1	2022.6	2032.4	2036.9
35°	2133.1	2136.8	2118.1	2110.5	2133.1	2166.2	2117.3	2090.2	2105.3	2118.1	2121.8
37.5°	2299.2	2301.5	2269.9	2239.8	2223.3	2254.9	2206.0	2208.3	2260.9	2284.9	2284.2
40°	2488.6	2489.4	2468.3	2442.0	2413.4	2421.0	2401.4	2407.4	2442.0	2463.8	2469.8
42.5°	2714.1	2711.8	2678.8	2641.2	2632.9	2640.4	2607.4	2602.9	2642.7	2681.8	2682.5
45°	3006.5	3001.2	2958.4	2917.0	2877.2	2860.7	2852.4	2874.2	2929.1	2965.1	2965.9
47.5°	3321.4	3307.1	3284.6	3251.5	3216.9	3200.4	3186.9	3197.4	3237.2	3251.5	3253.0
50°	3645.3	3648.4	3652.9	3640.1	3627.3	3622.0	3586.7	3566.4	3578.4	3552.1	3548.4
52.5°	4029.4	4035.4	4079.0	4115.9	4137.7	4148.9	4082.0	4012.1	3973.0	3921.9	3906.9
55°	4482.6	4492.4	4556.3	4658.5	4763.8	4819.4	4698.4	4567.6	4446.6	4351.1	4320.3
57.5°	4987.7	5005.0	5093.0	5289.1	5504.8	5636.4	5431.9	5194.4	4960.7	4823.1	4799.1
60°	5580.0	5596.5	5718.3	5999.4	6348.9	6546.6	6236.9	5848.3	5557.5	5425.9	5381.6
62.5°	6285.0	6286.5	6436.1	6764.6	7226.0	7501.1	7081.7	6562.4	6262.5	6103.9	6061.0
65°	7043.4	7047.2	7202.0	7556.8	8034.0	8333.2	7859.7	7318.5	6951.7	6718.0	6684.9
67.5°	7579.3	7595.1	7758.2	8185.1	8631.6	8901.4	8411.3	7799.5	7375.6	7096.8	7069.0
70°	7493.6	7555.3	7746.9	8245.2	8866.1	9250.9	8500.8	7742.4	7183.2	6854.0	6830.7
72.5°	6535.3	6653.3	6908.9	7562.8	8555.7	9085.5	8013.0	6934.4	6301.6	6021.2	5979.1
75°	4450.3	4642.0	5027.6	5970.8	7309.5	7866.4	6745.8	5528.9	4933.6	4545.8	4517.2
77.5°	1984.3	2027.9	2516.4	3602.5	5044.1	5649.2	4901.3	3616.8	2714.8	2165.4	2049.7
80°	553.2	560.0	747.1	1341.6	2524.7	3319.1	2710.3	1409.3	792.2	558.5	526.1
82.5°	175.9	190.9	233.0	348.0	848.6	1514.5	871.1	375.8	267.6	213.5	192.4
85°	85.7	84.9	118.0	141.3	216.5	335.2	230.7	174.4	152.6	101.5	91.7
87.5°	36.1	36.8	54.9	49.6	63.1	54.1	74.4	78.2	81.9	45.1	39.1
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)