

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P387050

Luminaire Tested: GAW-SA2D-740-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-740-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17011 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

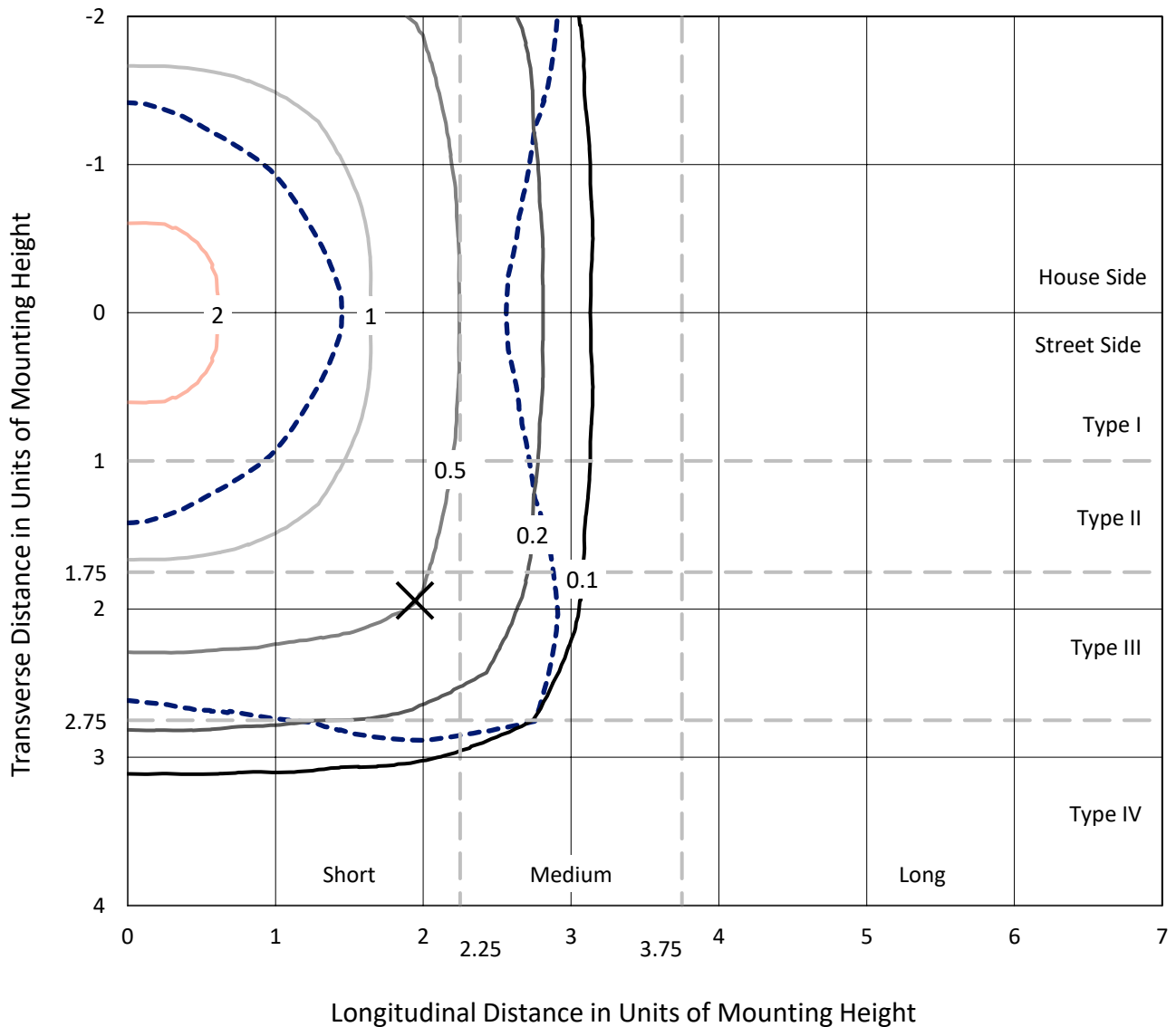
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

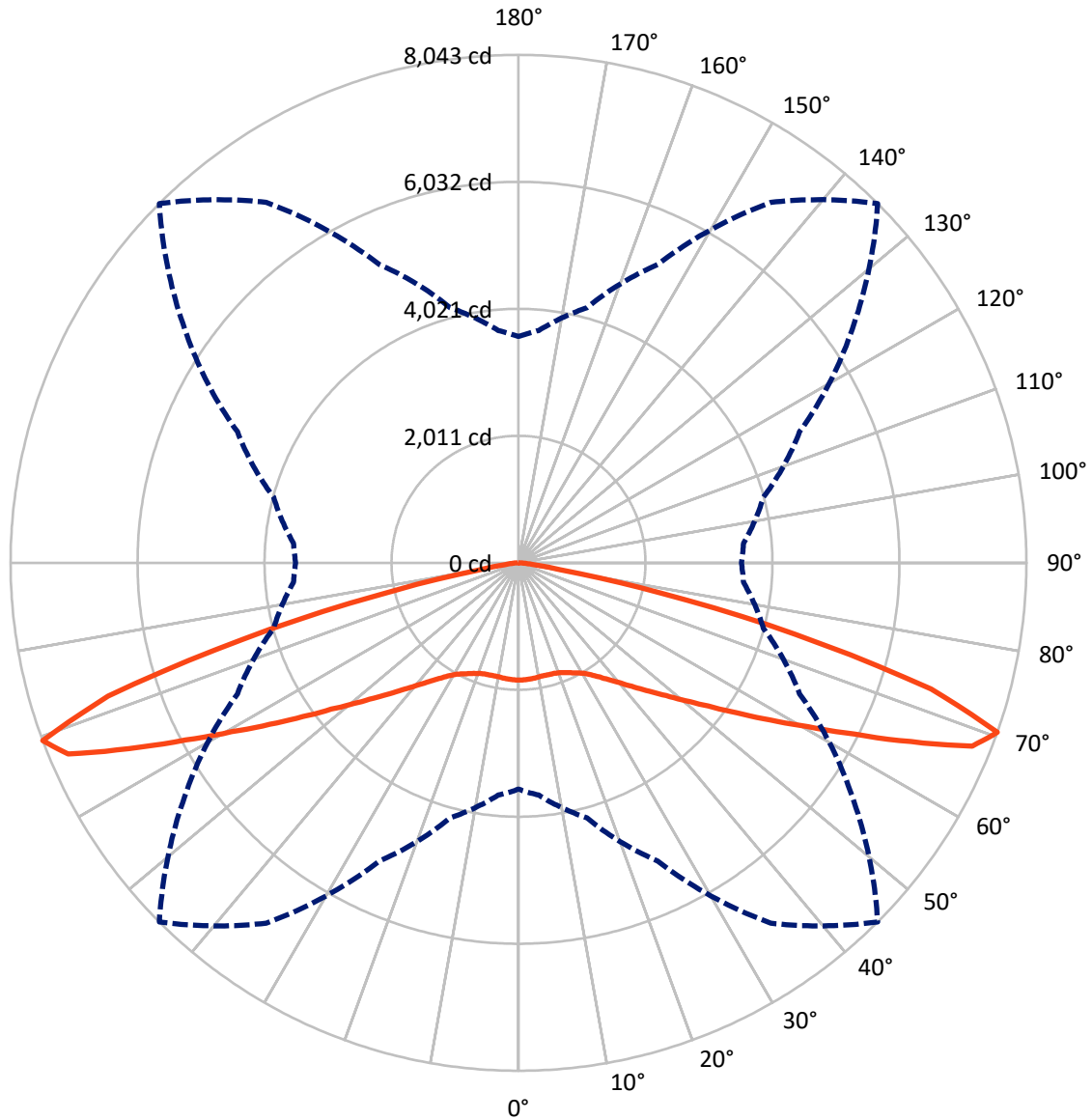
× Max cd
 - - - 1/2 Max cd



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	8505.5	0.0	8505.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8505.5	0.0	8505.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17011.0	0.0	17011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	1.0
10°-20°	516.6	3.0
20°-30°	879.4	5.2
30°-40°	1394.7	8.2
40°-50°	2269.6	13.3
50°-60°	3742.1	22.0
60°-70°	5493.5	32.3
70°-80°	2429.2	14.3
80°-90°	110.0	0.6
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°	17011.0	100.0
0°-180°	17011.0	100.0

Coefficient of Utilization



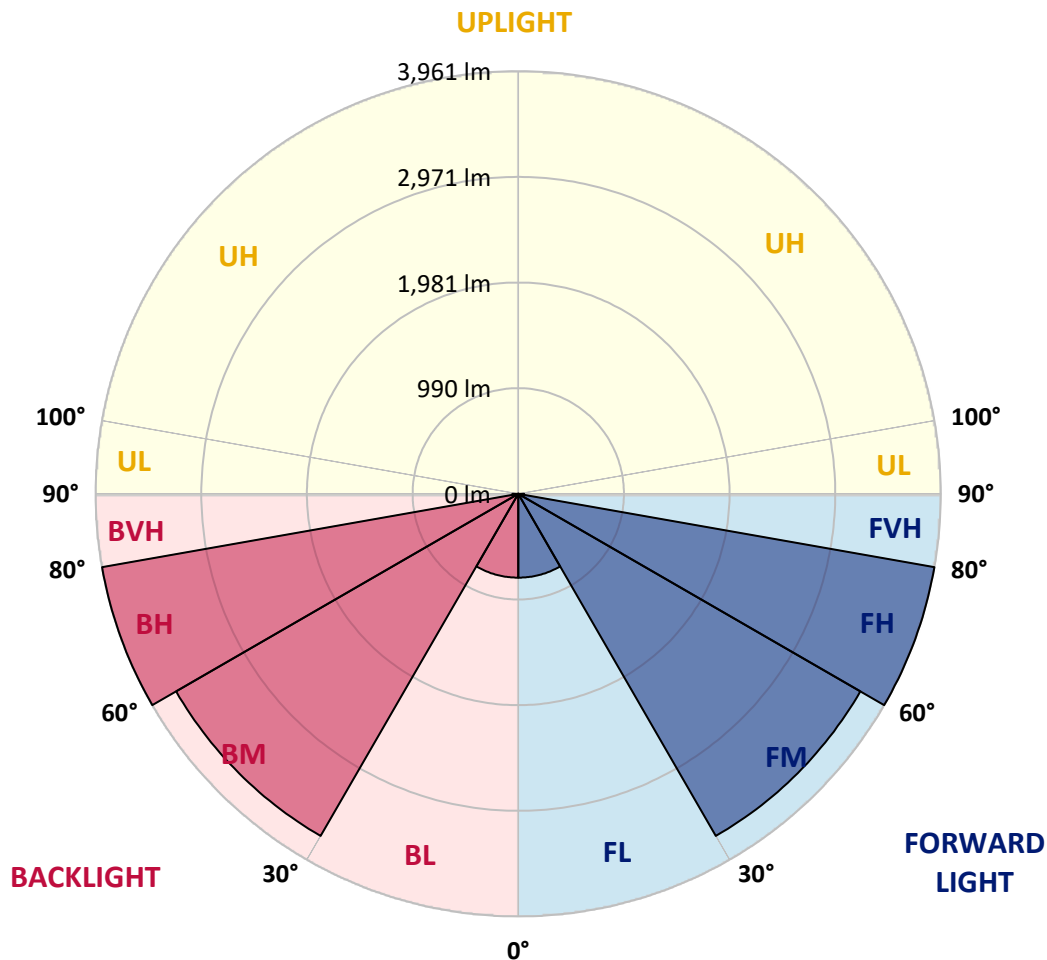
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.0	4.6			
FM (30°-60°)	3703.2	21.8			
FH (60°-80°)	3961.4	23.3			G2/5000
FVH (80°-90°)	55.0	0.3			G1/100
BL (0°-30°)	786.0	4.6	B2/1000		
BM (30°-60°)	3703.2	21.8	B3/5000		
BH (60°-80°)	3961.4	23.3	B4/5000		G2/5000
BVH (80°-90°)	55.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9	1857.9
2.5°	1855.1	1853.4	1857.3	1856.7	1853.4	1853.9	1853.9	1855.6	1855.6	1854.5	1854.5
5°	1848.3	1847.2	1851.7	1851.7	1848.3	1849.4	1850.5	1852.2	1851.7	1850.5	1850.0
7.5°	1839.9	1839.3	1843.8	1843.8	1841.5	1842.7	1841.5	1842.1	1841.0	1839.9	1838.2
10°	1825.8	1826.9	1830.8	1832.0	1832.0	1832.5	1831.4	1828.6	1826.9	1825.2	1823.5
12.5°	1812.8	1812.3	1817.9	1820.7	1825.2	1830.3	1826.9	1819.0	1815.6	1812.3	1811.1
15°	1804.4	1804.9	1810.6	1815.6	1823.5	1834.2	1830.3	1817.9	1811.1	1807.2	1806.1
17.5°	1802.7	1803.8	1811.1	1820.1	1828.6	1840.4	1838.2	1825.8	1814.5	1807.2	1805.5
20°	1806.6	1807.2	1818.5	1831.4	1846.0	1857.3	1852.2	1838.7	1823.5	1812.3	1809.4
22.5°	1814.0	1816.2	1830.3	1850.5	1873.1	1888.3	1882.1	1859.0	1835.3	1821.3	1817.3
25°	1837.0	1837.6	1856.7	1884.3	1911.3	1928.8	1921.5	1888.8	1858.4	1842.7	1837.6
27.5°	1884.9	1886.6	1905.7	1937.8	1960.9	1972.2	1967.6	1941.2	1915.3	1898.4	1900.1
30°	1954.1	1956.4	1977.8	2013.3	2027.3	2030.1	2029.0	2016.6	1993.0	1970.5	1972.2
32.5°	2038.6	2039.7	2068.4	2100.5	2111.8	2114.0	2111.8	2100.5	2072.4	2042.0	2043.7
35°	2147.2	2150.6	2178.2	2209.2	2218.2	2222.7	2218.7	2204.1	2174.8	2145.0	2143.9
37.5°	2281.2	2281.8	2310.5	2342.6	2353.9	2355.0	2350.5	2340.9	2304.3	2277.3	2275.6
40°	2436.6	2438.9	2472.7	2507.0	2511.5	2506.4	2512.6	2507.0	2469.3	2438.3	2443.4
42.5°	2625.8	2630.9	2671.4	2705.2	2692.2	2689.4	2693.3	2695.0	2664.6	2626.9	2623.5
45°	2845.9	2850.4	2901.1	2928.1	2919.7	2901.1	2909.0	2922.5	2880.3	2833.5	2838.0
47.5°	3097.0	3108.3	3162.3	3187.6	3166.8	3141.5	3156.7	3177.0	3127.4	3069.4	3066.6
50°	3376.2	3390.3	3462.4	3497.9	3477.0	3430.3	3455.6	3469.1	3397.6	3322.8	3316.6
52.5°	3674.1	3688.1	3778.8	3852.0	3838.5	3765.8	3801.3	3787.2	3705.0	3604.3	3596.4
55°	4011.3	4016.9	4114.9	4233.1	4246.6	4193.1	4190.9	4167.8	4046.2	3929.7	3924.0
57.5°	4358.1	4362.0	4488.7	4628.3	4692.0	4692.0	4628.9	4579.9	4418.3	4283.2	4269.2
60°	4732.5	4746.6	4886.8	5076.5	5225.1	5269.0	5157.5	5024.1	4848.5	4683.5	4667.2
62.5°	5065.8	5082.1	5296.6	5579.2	5817.9	5977.8	5705.3	5488.0	5168.2	4903.6	4872.7
65°	5108.0	5151.9	5464.4	5976.1	6510.4	6829.6	6307.2	5771.8	5189.1	4821.4	4789.9
67.5°	4664.9	4739.2	5161.5	5958.1	7062.1	7747.3	6691.7	5609.6	4815.3	4408.8	4373.9
70°	3584.6	3692.6	4179.6	5211.6	6967.0	8042.9	6450.7	4911.0	4014.7	3577.2	3528.3
72.5°	1966.5	2011.0	2449.0	3568.8	5585.4	6834.7	5380.5	3631.3	2662.4	2166.4	2084.2
75°	623.8	639.6	862.5	1460.4	3159.5	4527.0	3417.9	1782.4	981.3	723.4	715.0
77.5°	277.0	278.7	311.9	426.2	1088.3	2293.6	1307.3	485.3	334.4	292.2	301.8
80°	175.1	175.1	193.1	211.1	296.1	666.0	353.6	230.8	197.0	183.0	186.9
82.5°	83.9	92.9	125.5	135.1	162.7	224.1	181.3	150.9	131.7	98.0	91.2
85°	55.2	46.2	79.4	89.5	94.6	107.5	105.3	99.6	86.1	49.0	54.6
87.5°	24.8	23.6	41.1	37.7	35.5	27.0	40.5	50.1	48.4	24.2	24.2
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)