

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-735-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-735-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 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: 15980 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

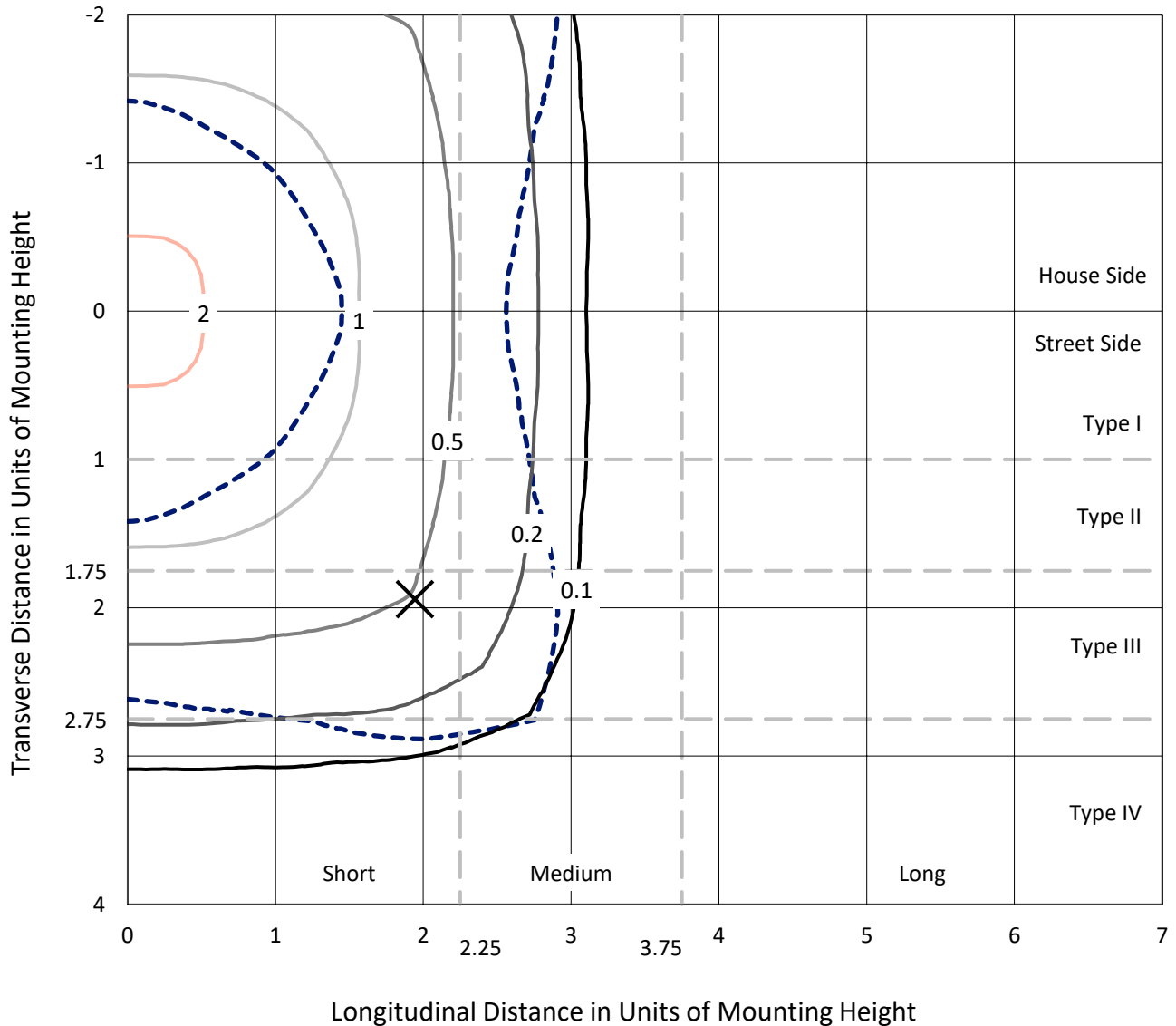
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

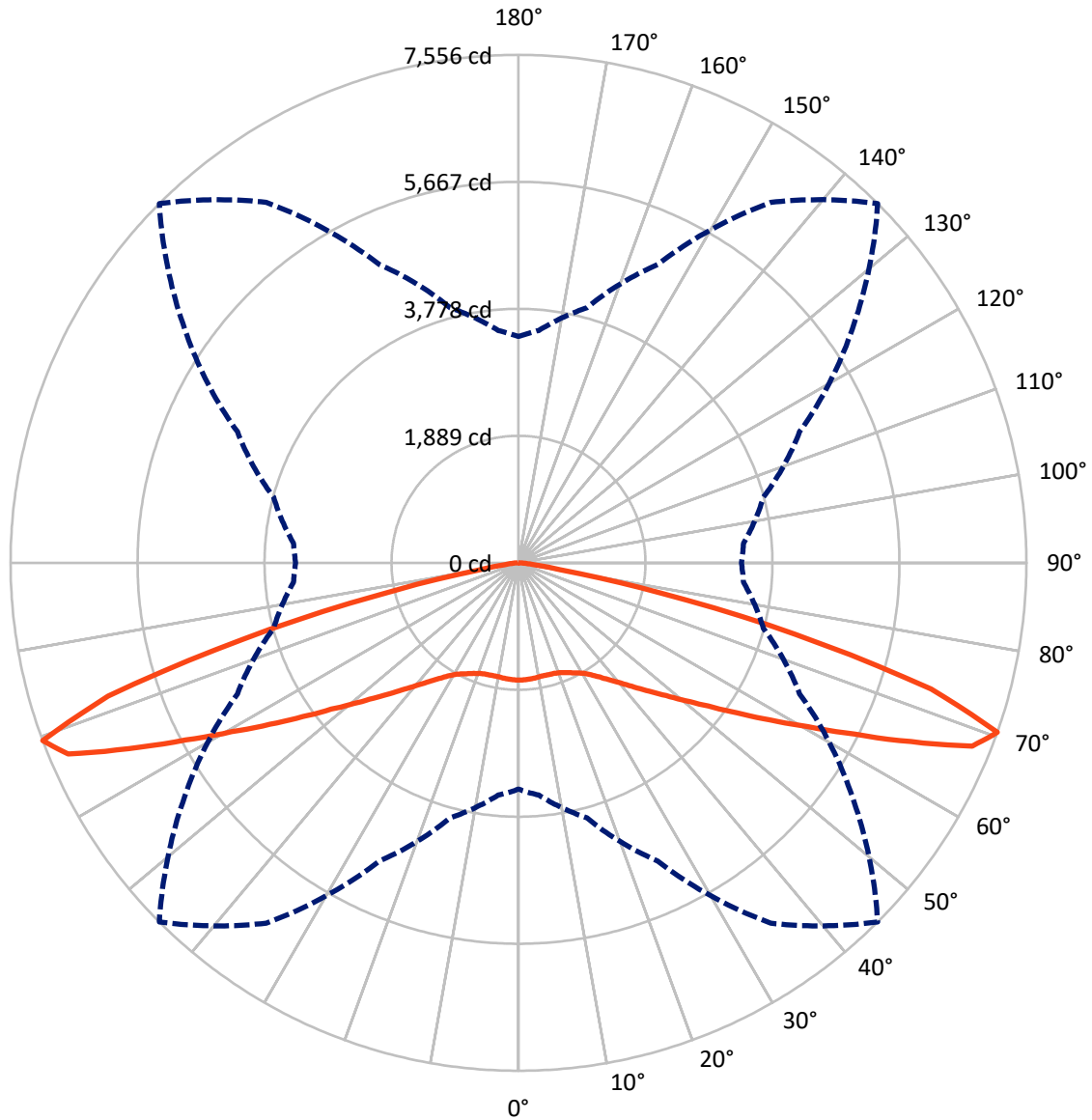
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7990.0	0.0	7990.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7990.0	0.0	7990.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15980.0	0.0	15980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	1.0
10°-20°	485.3	3.0
20°-30°	826.1	5.2
30°-40°	1310.1	8.2
40°-50°	2132.0	13.3
50°-60°	3515.3	22.0
60°-70°	5160.6	32.3
70°-80°	2282.0	14.3
80°-90°	103.3	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°	15980.0	100.0
0°-180°	15980.0	100.0

Coefficient of Utilization



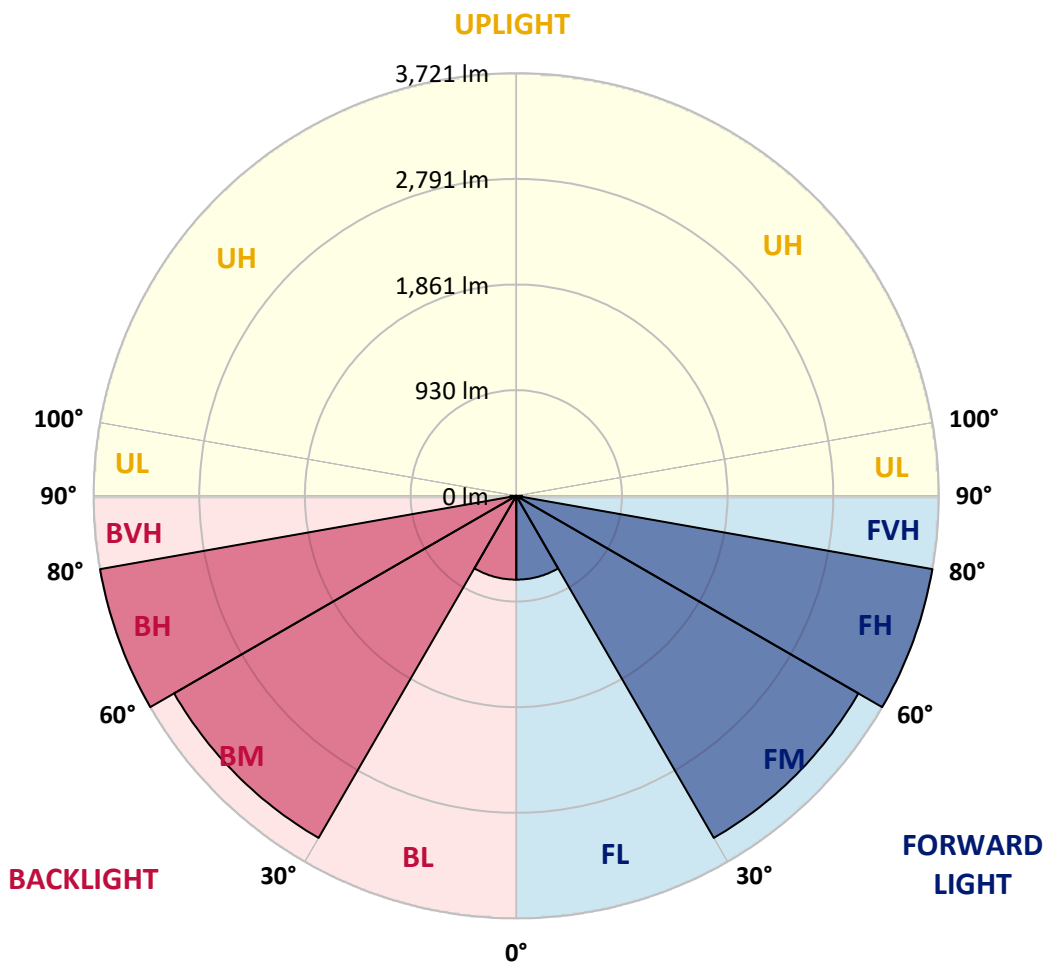
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	738.3	4.6			
FM (30°-60°)	3478.7	21.8			
FH (60°-80°)	3721.3	23.3			G2/5000
FVH (80°-90°)	51.7	0.3			G1/100
BL (0°-30°)	738.3	4.6	B2/1000		
BM (30°-60°)	3478.7	21.8	B3/5000		
BH (60°-80°)	3721.3	23.3	B4/5000		G2/5000
BVH (80°-90°)	51.7	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°	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3
2.5°	1742.7	1741.1	1744.7	1744.2	1741.1	1741.5	1741.5	1743.1	1743.1	1742.1	1742.1
5°	1736.3	1735.2	1739.5	1739.5	1736.3	1737.3	1738.3	1739.9	1739.5	1738.3	1737.9
7.5°	1728.4	1727.8	1732.1	1732.1	1729.9	1731.0	1729.9	1730.5	1729.4	1728.4	1726.8
10°	1715.1	1716.2	1719.8	1721.0	1721.0	1721.4	1720.4	1717.8	1716.2	1714.6	1713.0
12.5°	1702.9	1702.5	1707.7	1710.4	1714.6	1719.4	1716.2	1708.8	1705.6	1702.5	1701.3
15°	1695.0	1695.5	1700.9	1705.6	1713.0	1723.0	1719.4	1707.7	1701.3	1697.7	1696.6
17.5°	1693.4	1694.5	1701.3	1709.8	1717.8	1728.9	1726.8	1715.1	1704.5	1697.7	1696.1
20°	1697.1	1697.7	1708.3	1720.4	1734.1	1744.7	1739.9	1727.3	1713.0	1702.5	1699.7
22.5°	1704.1	1706.1	1719.4	1738.3	1759.6	1773.9	1768.0	1746.3	1724.1	1710.9	1707.2
25°	1725.7	1726.2	1744.2	1770.1	1795.5	1811.9	1805.0	1774.3	1745.8	1731.0	1726.2
27.5°	1770.7	1772.3	1790.2	1820.4	1842.1	1852.7	1848.4	1823.6	1799.2	1783.3	1784.9
30°	1835.7	1837.8	1857.9	1891.3	1904.4	1907.1	1906.0	1894.4	1872.2	1851.1	1852.7
32.5°	1915.0	1916.1	1943.0	1973.2	1983.8	1985.9	1983.8	1973.2	1946.8	1918.2	1919.8
35°	2017.1	2020.3	2046.2	2075.3	2083.8	2088.0	2084.2	2070.5	2043.0	2015.0	2014.0
37.5°	2142.9	2143.5	2170.5	2200.6	2211.2	2212.3	2208.0	2199.0	2164.6	2139.3	2137.7
40°	2288.9	2291.1	2322.8	2355.1	2359.3	2354.5	2360.3	2355.1	2319.6	2290.5	2295.3
42.5°	2466.7	2471.5	2509.5	2541.2	2529.0	2526.4	2530.1	2531.7	2503.1	2467.7	2464.5
45°	2673.4	2677.6	2725.3	2750.6	2742.7	2725.3	2732.7	2745.4	2705.7	2661.8	2666.0
47.5°	2909.3	2919.9	2970.6	2994.4	2974.9	2951.1	2965.4	2984.5	2937.9	2883.4	2880.7
50°	3171.6	3184.8	3252.6	3285.9	3266.3	3222.4	3246.2	3258.9	3191.7	3121.4	3115.6
52.5°	3451.4	3464.6	3549.8	3618.5	3605.9	3537.6	3570.9	3557.7	3480.5	3385.9	3378.4
55°	3768.2	3773.5	3865.5	3976.5	3989.2	3939.0	3936.9	3915.2	3801.0	3691.5	3686.2
57.5°	4094.0	4097.6	4216.7	4347.8	4407.6	4407.6	4348.4	4302.3	4150.5	4023.6	4010.5
60°	4445.7	4458.9	4590.6	4768.8	4908.4	4949.7	4844.9	4719.6	4554.7	4399.7	4384.3
62.5°	4758.8	4774.1	4975.6	5241.1	5465.3	5615.5	5359.5	5155.4	4855.0	4606.4	4577.4
65°	4798.4	4839.7	5133.2	5613.9	6115.8	6415.7	5924.9	5422.0	4874.6	4529.2	4499.6
67.5°	4382.2	4452.0	4848.7	5597.0	6634.1	7277.8	6286.1	5269.6	4523.5	4141.6	4108.8
70°	3367.4	3468.8	3926.3	4895.7	6544.8	7555.5	6059.7	4613.4	3771.4	3360.4	3314.5
72.5°	1847.3	1889.1	2300.6	3352.5	5246.9	6420.5	5054.4	3411.2	2501.0	2035.1	1957.9
75°	586.0	600.8	810.2	1371.9	2968.0	4252.6	3210.8	1674.4	921.8	679.6	671.7
77.5°	260.2	261.8	293.0	400.4	1022.3	2154.6	1228.1	455.9	314.1	274.5	283.5
80°	164.5	164.5	181.4	198.3	278.2	625.6	332.2	216.8	185.1	171.9	175.6
82.5°	78.8	87.3	117.9	126.9	152.8	210.5	170.3	141.8	123.7	92.1	85.7
85°	51.9	43.4	74.6	84.1	88.9	101.0	98.9	93.6	80.9	46.0	51.3
87.5°	23.3	22.2	38.6	35.4	33.3	25.4	38.0	47.1	45.5	22.7	22.7
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)