

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: P386098

Luminaire Tested: GAW-SA1D-727-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386098
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-SA1D-727-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7279 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

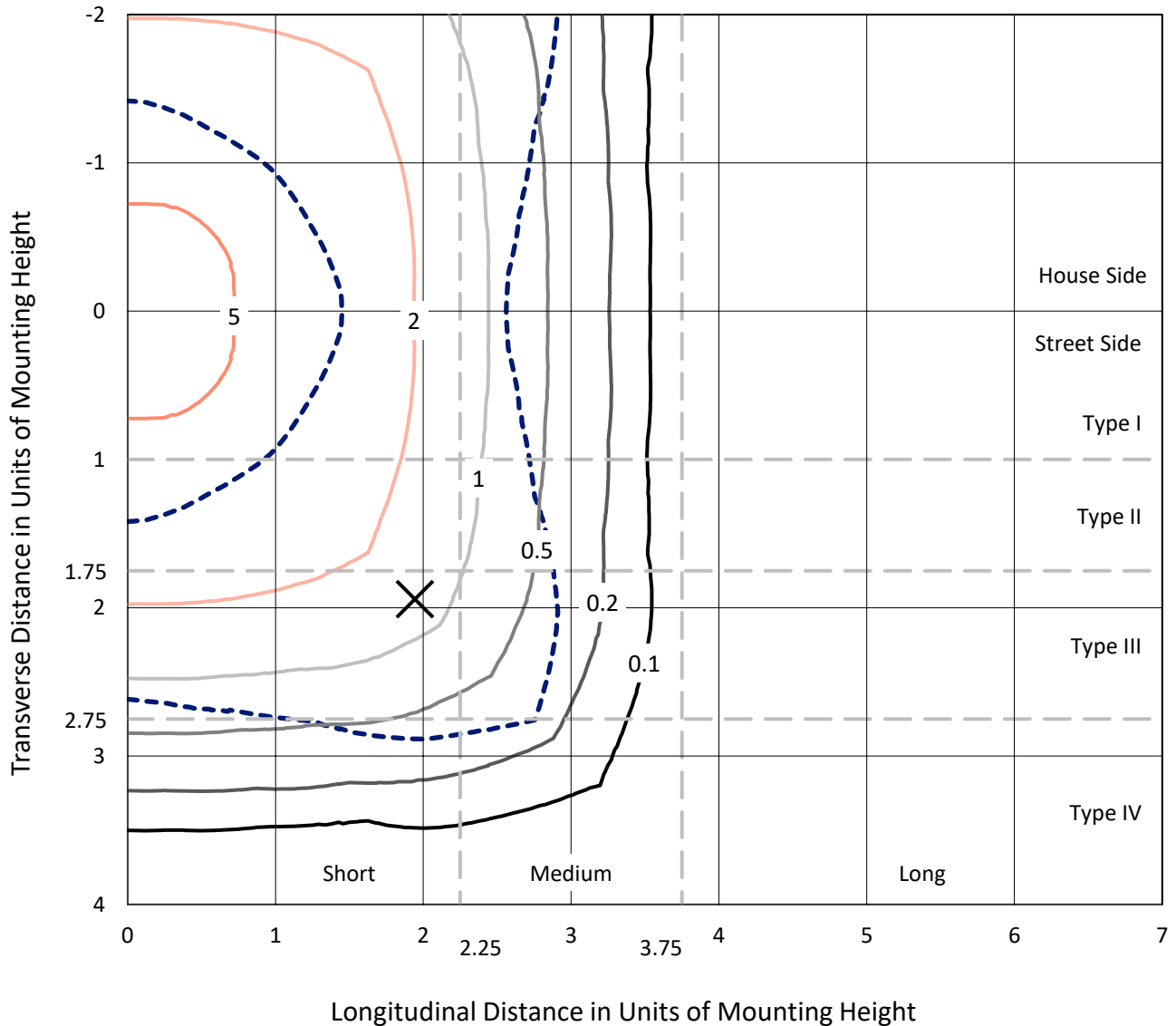
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

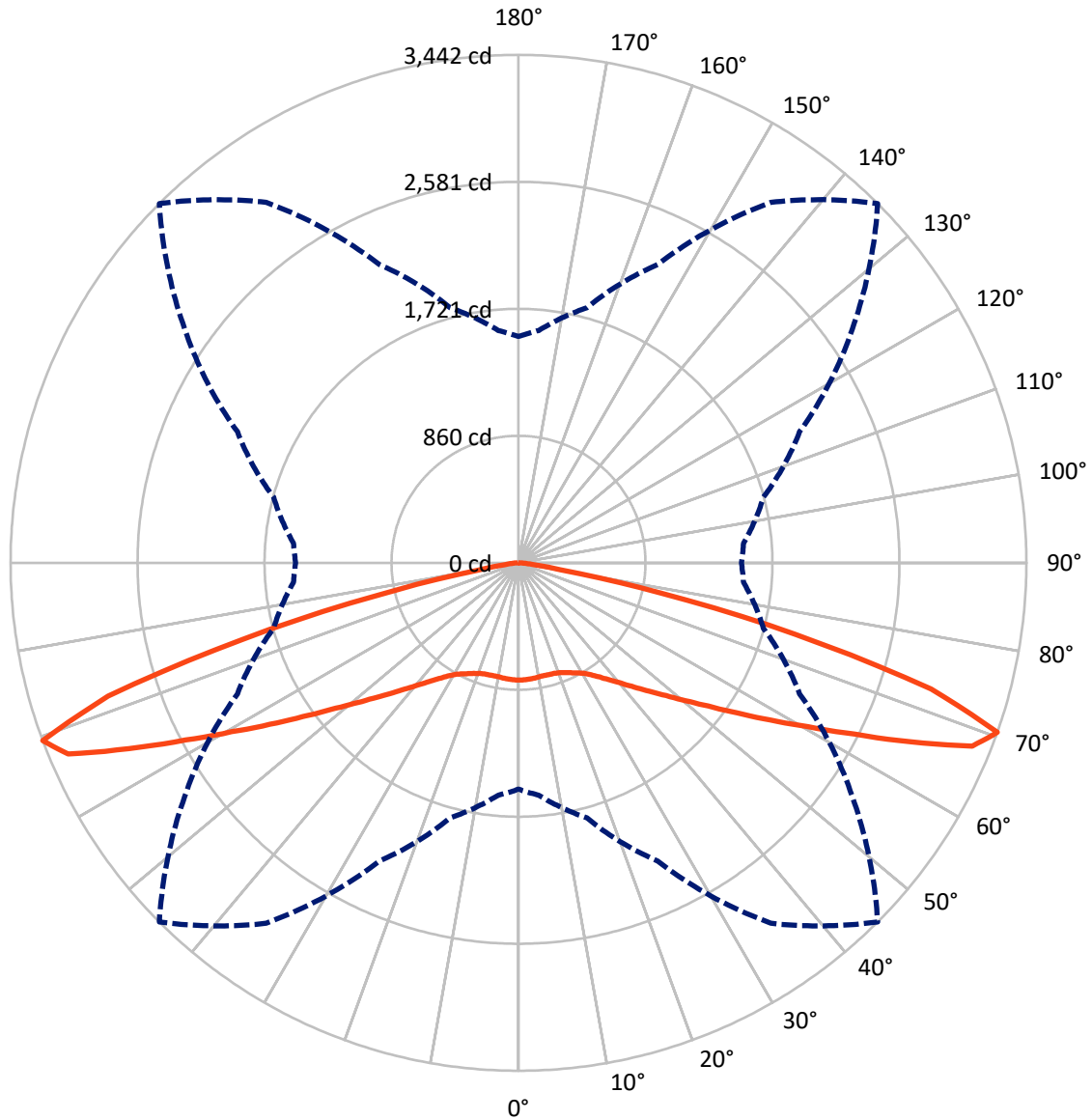
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	3639.5	0.0	3639.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3639.5	0.0	3639.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7279.0	0.0	7279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.0
10°-20°	221.0	3.0
20°-30°	376.3	5.2
30°-40°	596.8	8.2
40°-50°	971.1	13.3
50°-60°	1601.2	22.0
60°-70°	2350.7	32.3
70°-80°	1039.5	14.3
80°-90°	47.1	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°	7279.0	100.0
0°-180°	7279.0	100.0

Coefficient of Utilization



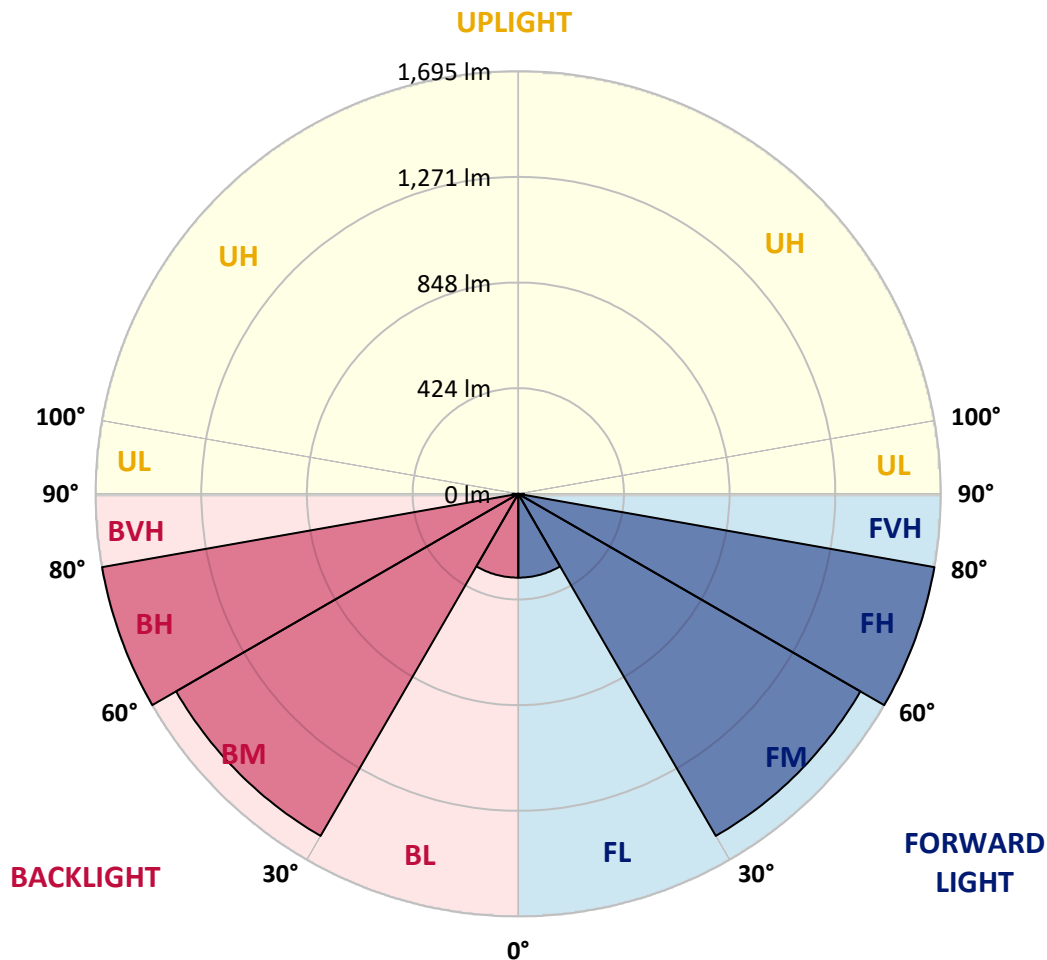
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.3	4.6			
FM (30°-60°)	1584.6	21.8			
FH (60°-80°)	1695.1	23.3			G1/1800
FVH (80°-90°)	23.5	0.3			G1/100
BL (0°-30°)	336.3	4.6	B1/500		
BM (30°-60°)	1584.6	21.8	B2/2500		
BH (60°-80°)	1695.1	23.3	B3/2500		G1/1800
BVH (80°-90°)	23.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0
2.5°	793.8	793.1	794.7	794.5	793.1	793.3	793.3	794.0	794.0	793.5	793.5
5°	790.9	790.4	792.3	792.3	790.9	791.4	791.8	792.6	792.3	791.8	791.6
7.5°	787.3	787.0	789.0	789.0	788.0	788.5	788.0	788.2	787.8	787.3	786.5
10°	781.2	781.7	783.4	783.9	783.9	784.1	783.7	782.5	781.7	781.0	780.3
12.5°	775.7	775.5	777.9	779.1	781.0	783.2	781.7	778.4	776.9	775.5	775.0
15°	772.1	772.3	774.7	776.9	780.3	784.9	783.2	777.9	775.0	773.3	772.8
17.5°	771.4	771.9	775.0	778.8	782.5	787.5	786.5	781.2	776.4	773.3	772.6
20°	773.1	773.3	778.1	783.7	789.9	794.7	792.6	786.8	780.3	775.5	774.3
22.5°	776.2	777.2	783.2	791.8	801.5	808.0	805.3	795.5	785.3	779.3	777.6
25°	786.1	786.3	794.5	806.3	817.9	825.3	822.2	808.2	795.2	788.5	786.3
27.5°	806.5	807.3	815.5	829.2	839.1	843.9	842.0	830.6	819.6	812.3	813.0
30°	836.2	837.1	846.3	861.5	867.5	868.7	868.2	862.9	852.8	843.2	843.9
32.5°	872.3	872.8	885.1	898.8	903.6	904.6	903.6	898.8	886.8	873.8	874.5
35°	918.8	920.2	932.1	945.3	949.2	951.1	949.4	943.1	930.6	917.8	917.4
37.5°	976.1	976.4	988.7	1002.4	1007.2	1007.7	1005.8	1001.7	986.0	974.5	973.7
40°	1042.6	1043.6	1058.0	1072.7	1074.7	1072.5	1075.2	1072.7	1056.6	1043.4	1045.5
42.5°	1123.6	1125.7	1143.1	1157.5	1152.0	1150.8	1152.5	1153.2	1140.2	1124.1	1122.6
45°	1217.8	1219.7	1241.4	1252.9	1249.3	1241.4	1244.7	1250.5	1232.5	1212.5	1214.4
47.5°	1325.2	1330.0	1353.2	1364.0	1355.1	1344.2	1350.7	1359.4	1338.2	1313.4	1312.2
50°	1444.7	1450.7	1481.6	1496.7	1487.8	1467.8	1478.7	1484.4	1453.8	1421.8	1419.2
52.5°	1572.1	1578.2	1616.9	1648.3	1642.5	1611.4	1626.6	1620.6	1585.4	1542.3	1538.9
55°	1716.4	1718.8	1760.8	1811.4	1817.1	1794.2	1793.3	1783.4	1731.4	1681.5	1679.1
57.5°	1864.8	1866.5	1920.7	1980.5	2007.7	2007.7	1980.7	1959.7	1890.6	1832.8	1826.8
60°	2025.0	2031.1	2091.0	2172.2	2235.8	2254.6	2206.9	2149.8	2074.7	2004.1	1997.1
62.5°	2167.6	2174.6	2266.4	2387.3	2489.5	2557.9	2441.3	2348.3	2211.5	2098.3	2085.0
65°	2185.7	2204.5	2338.2	2557.2	2785.8	2922.4	2698.8	2469.7	2220.4	2063.1	2049.6
67.5°	1996.1	2027.9	2208.6	2549.5	3021.9	3315.1	2863.4	2400.4	2060.4	1886.5	1871.6
70°	1533.8	1580.1	1788.5	2230.0	2981.2	3441.5	2760.3	2101.4	1717.9	1530.7	1509.7
72.5°	841.5	860.5	1047.9	1527.1	2390.0	2924.6	2302.3	1553.8	1139.2	927.0	891.8
75°	266.9	273.7	369.1	624.9	1351.9	1937.1	1462.5	762.7	419.9	309.6	305.9
77.5°	118.5	119.2	133.5	182.4	465.7	981.4	559.4	207.7	143.1	125.0	129.1
80°	74.9	74.9	82.6	90.3	126.7	285.0	151.3	98.8	84.3	78.3	80.0
82.5°	35.9	39.7	53.7	57.8	69.6	95.9	77.6	64.6	56.4	41.9	39.0
85°	23.6	19.8	34.0	38.3	40.5	46.0	45.0	42.6	36.9	21.0	23.4
87.5°	10.6	10.1	17.6	16.1	15.2	11.6	17.3	21.4	20.7	10.4	10.4
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)