

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: P386266

Luminaire Tested: GAW-SA1D-830-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386266
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-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6917 lumens
Efficiency: N/A
Efficacy: 104.8 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

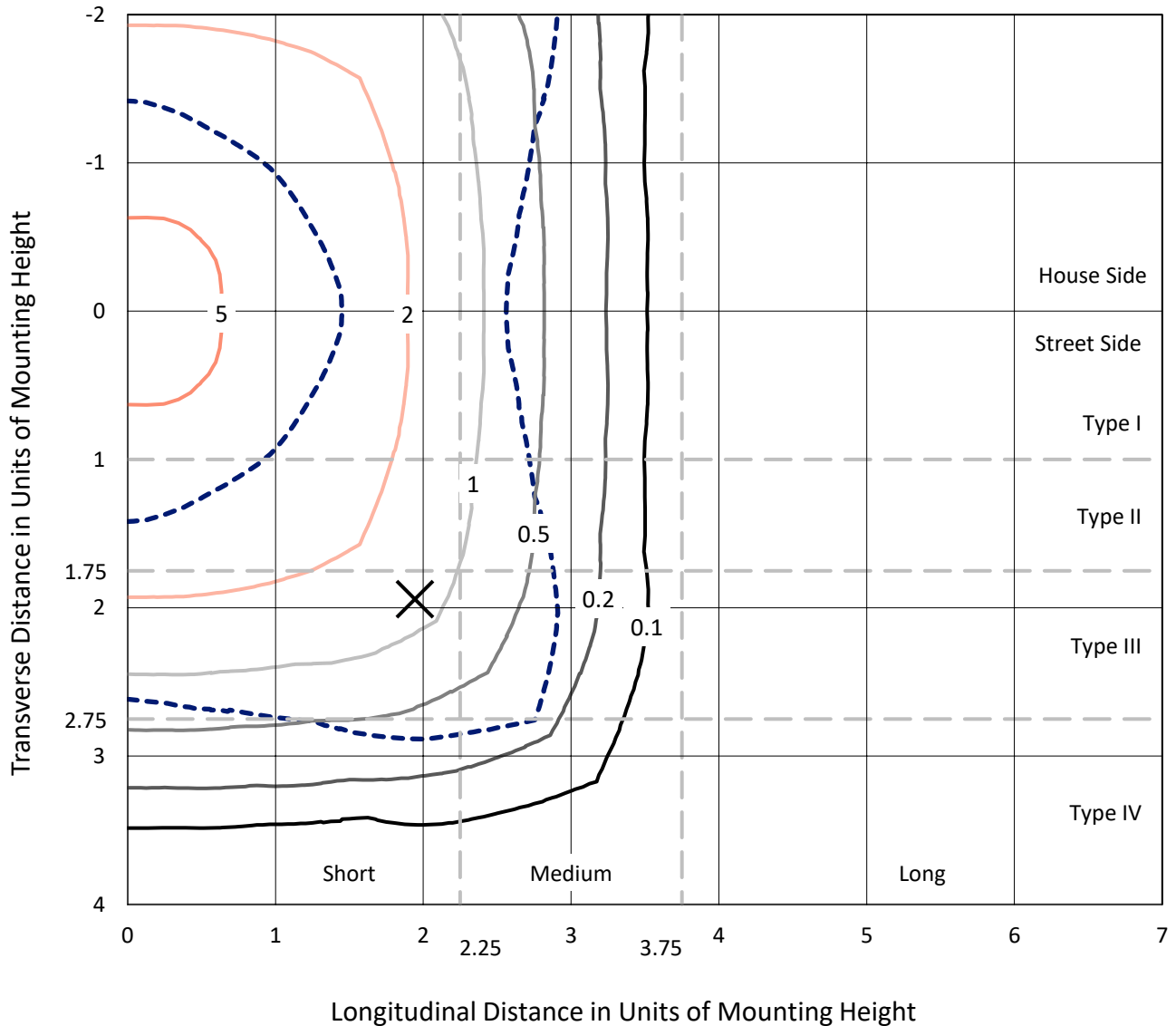
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

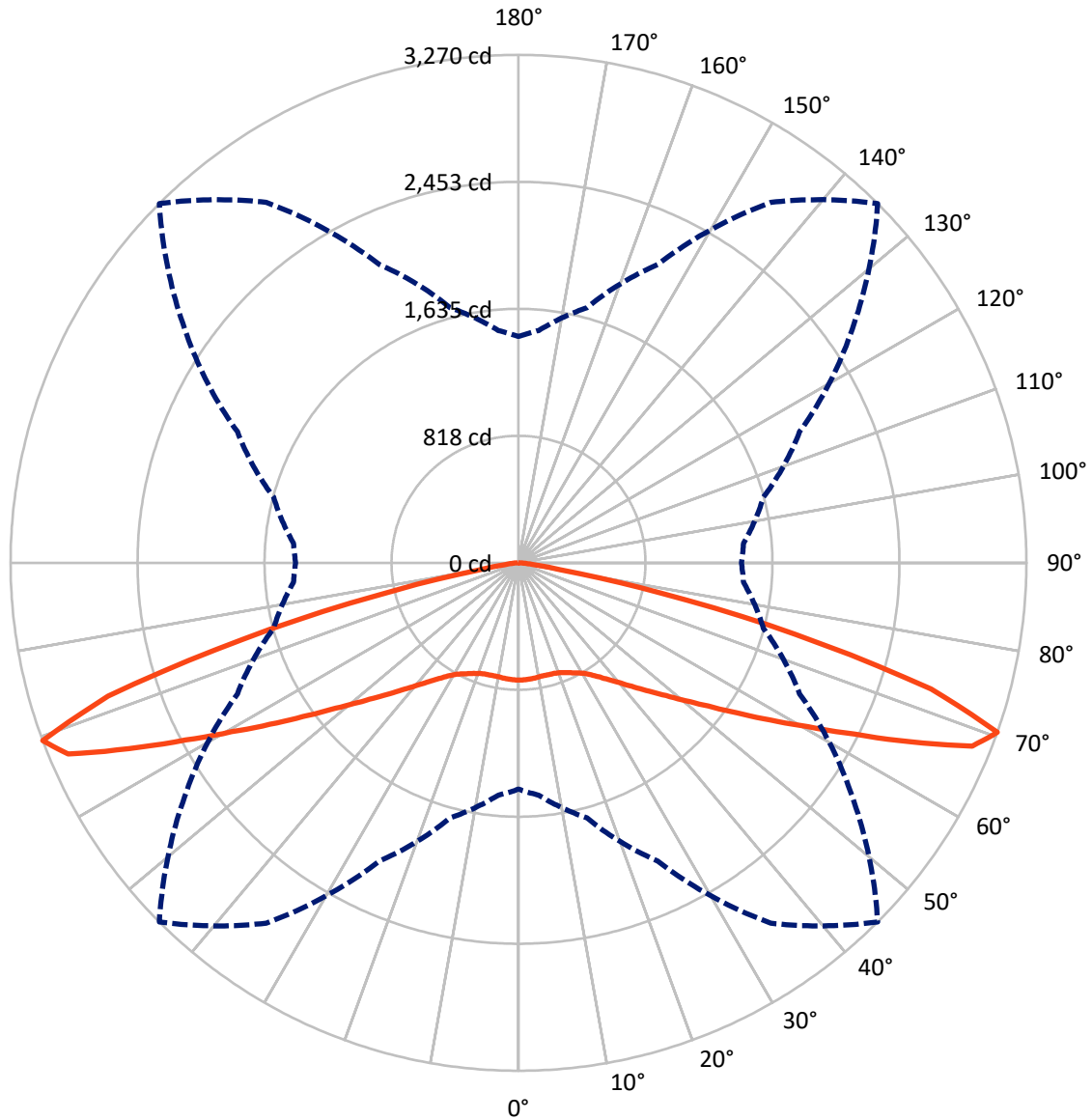
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	3458.5	0.0	3458.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3458.5	0.0	3458.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6917.0	0.0	6917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.0
10°-20°	210.0	3.0
20°-30°	357.6	5.2
30°-40°	567.1	8.2
40°-50°	922.9	13.3
50°-60°	1521.6	22.0
60°-70°	2233.8	32.3
70°-80°	987.8	14.3
80°-90°	44.7	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°	6917.0	100.0
0°-180°	6917.0	100.0

Coefficient of Utilization



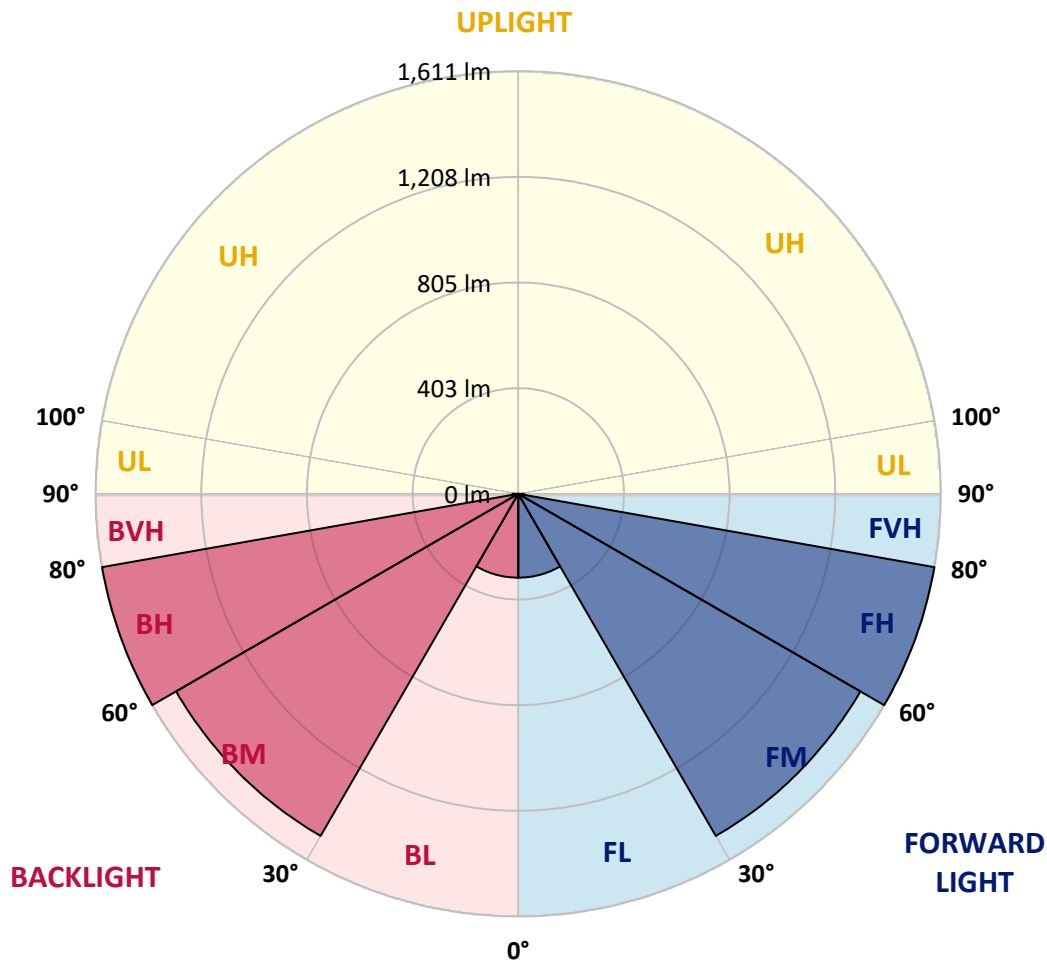
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.6	4.6			
FM (30°-60°)	1505.8	21.8			
FH (60°-80°)	1610.8	23.3			G1/1800
FVH (80°-90°)	22.4	0.3			G1/100
BL (0°-30°)	319.6	4.6	B1/500		
BM (30°-60°)	1505.8	21.8	B2/2500		
BH (60°-80°)	1610.8	23.3	B3/2500		G1/1800
BVH (80°-90°)	22.4	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°	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
2.5°	754.3	753.6	755.2	755.0	753.6	753.8	753.8	754.5	754.5	754.1	754.1
5°	751.6	751.1	752.9	752.9	751.6	752.0	752.5	753.2	752.9	752.5	752.2
7.5°	748.1	747.9	749.7	749.7	748.8	749.3	748.8	749.0	748.6	748.1	747.4
10°	742.4	742.9	744.5	744.9	744.9	745.1	744.7	743.5	742.9	742.2	741.5
12.5°	737.1	736.9	739.2	740.3	742.2	744.2	742.9	739.6	738.3	736.9	736.4
15°	733.7	733.9	736.2	738.3	741.5	745.8	744.2	739.2	736.4	734.8	734.4
17.5°	733.0	733.5	736.4	740.1	743.5	748.3	747.4	742.4	737.8	734.8	734.2
20°	734.6	734.8	739.4	744.7	750.6	755.2	753.2	747.7	741.5	736.9	735.8
22.5°	737.6	738.5	744.2	752.5	761.6	767.8	765.3	755.9	746.3	740.6	739.0
25°	747.0	747.2	755.0	766.2	777.2	784.3	781.3	768.0	755.7	749.3	747.2
27.5°	766.4	767.1	774.9	788.0	797.3	801.9	800.1	789.3	778.8	771.9	772.6
30°	794.6	795.5	804.2	818.6	824.3	825.5	825.0	820.0	810.4	801.2	801.9
32.5°	828.9	829.4	841.1	854.1	858.7	859.6	858.7	854.1	842.7	830.3	831.0
35°	873.1	874.5	885.7	898.3	902.0	903.8	902.2	896.2	884.3	872.2	871.7
37.5°	927.6	927.8	939.5	952.5	957.1	957.6	955.8	951.9	937.0	926.0	925.3
40°	990.8	991.7	1005.4	1019.4	1021.2	1019.2	1021.7	1019.4	1004.1	991.5	993.5
42.5°	1067.7	1069.8	1086.2	1100.0	1094.7	1093.6	1095.2	1095.9	1083.5	1068.2	1066.8
45°	1157.2	1159.0	1179.6	1190.6	1187.2	1179.6	1182.8	1188.3	1171.2	1152.2	1154.0
47.5°	1259.3	1263.9	1285.9	1296.2	1287.7	1277.4	1283.6	1291.8	1271.7	1248.1	1246.9
50°	1372.8	1378.6	1407.9	1422.3	1413.8	1394.8	1405.1	1410.6	1381.5	1351.1	1348.6
52.5°	1493.9	1499.7	1536.5	1566.3	1560.8	1531.3	1545.7	1540.0	1506.5	1465.6	1462.4
55°	1631.1	1633.4	1673.2	1721.3	1726.8	1705.0	1704.1	1694.7	1645.3	1597.9	1595.6
57.5°	1772.1	1773.7	1825.2	1882.0	1907.8	1907.8	1882.2	1862.3	1796.6	1741.6	1735.9
60°	1924.3	1930.0	1987.0	2064.2	2124.6	2142.5	2097.2	2042.9	1971.5	1904.4	1897.8
62.5°	2059.8	2066.5	2153.7	2268.6	2365.7	2430.7	2319.9	2231.5	2101.5	1993.9	1981.3
65°	2077.0	2094.9	2221.9	2430.0	2647.3	2777.1	2564.6	2346.9	2110.0	1960.5	1947.7
67.5°	1896.9	1927.1	2098.8	2422.7	2871.6	3150.2	2721.0	2281.0	1958.0	1792.7	1778.5
70°	1457.5	1501.5	1699.5	2119.1	2832.9	3270.4	2623.0	1996.9	1632.4	1454.6	1434.7
72.5°	799.6	817.7	995.8	1451.1	2271.1	2779.1	2187.8	1476.5	1082.6	880.9	847.5
75°	253.6	260.1	350.7	593.8	1284.7	1840.8	1389.8	724.8	399.0	294.2	290.7
77.5°	112.6	113.3	126.8	173.3	442.5	932.6	531.6	197.3	136.0	118.8	122.7
80°	71.2	71.2	78.5	85.8	120.4	270.8	143.8	93.9	80.1	74.4	76.0
82.5°	34.1	37.8	51.0	54.9	66.2	91.1	73.7	61.4	53.6	39.8	37.1
85°	22.4	18.8	32.3	36.4	38.5	43.7	42.8	40.5	35.0	19.9	22.2
87.5°	10.1	9.6	16.7	15.3	14.4	11.0	16.5	20.4	19.7	9.8	9.8
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)