

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: P385879

Luminaire Tested: GAW-SA1C-727-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-727-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6458 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

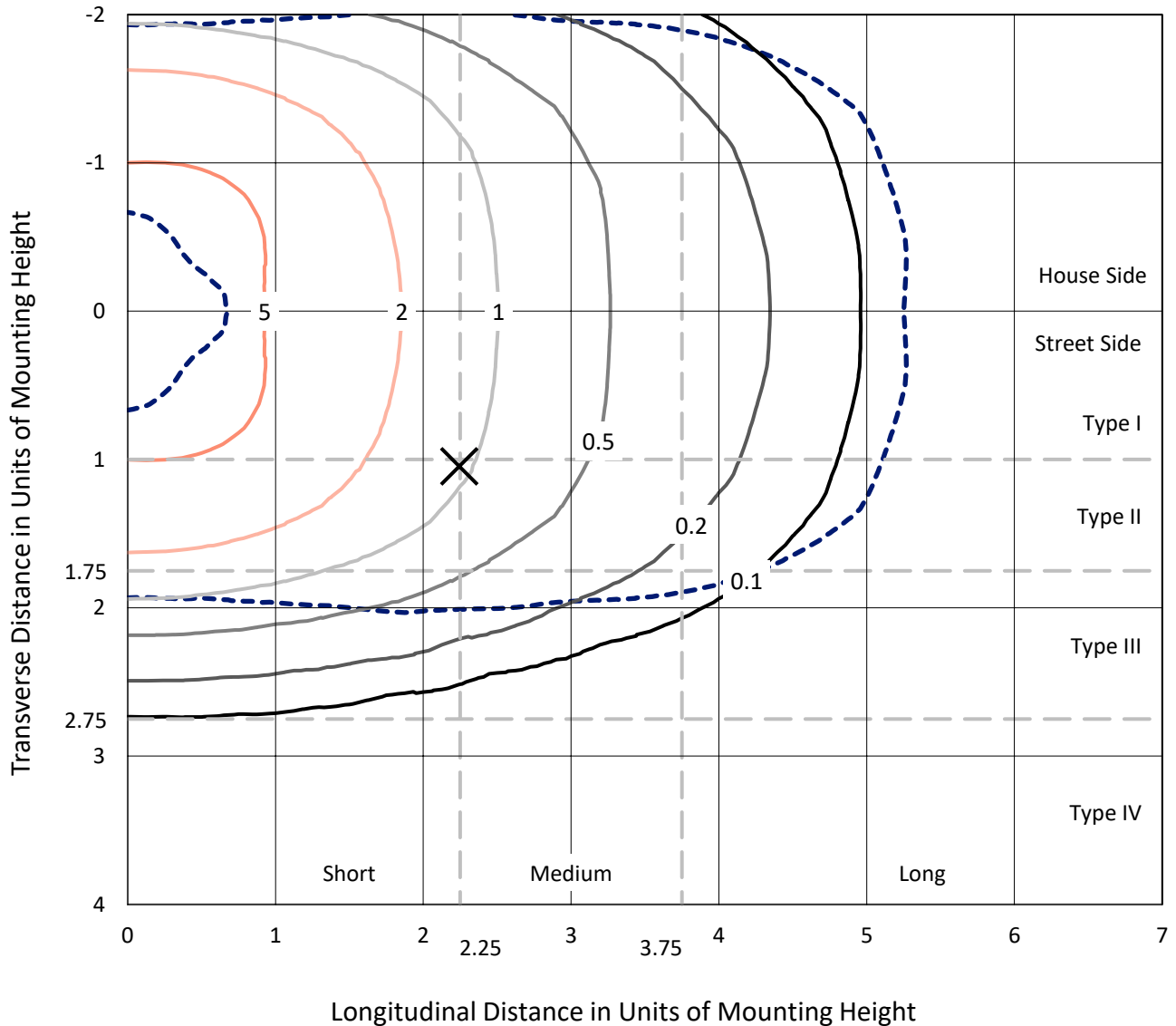
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

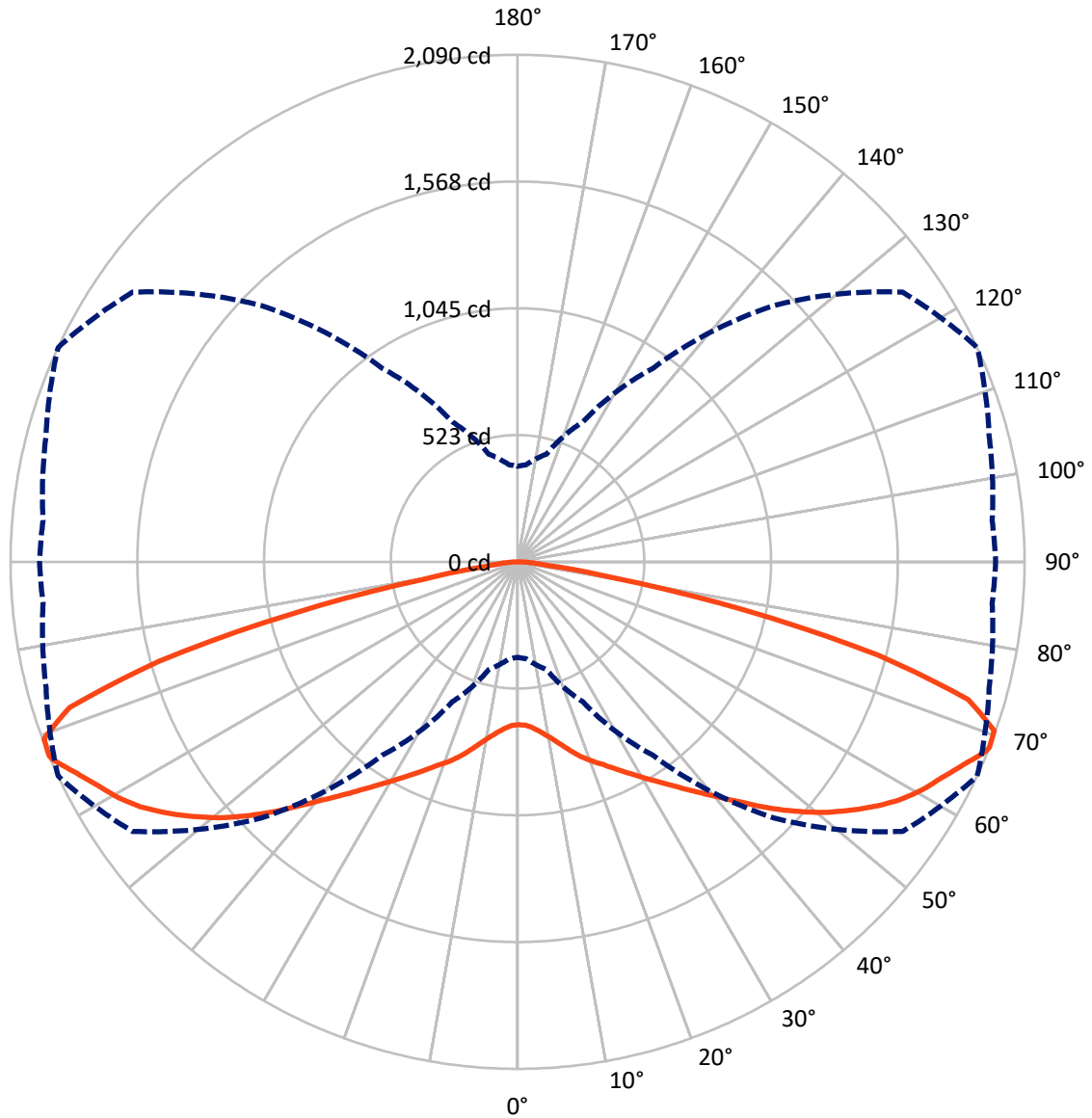
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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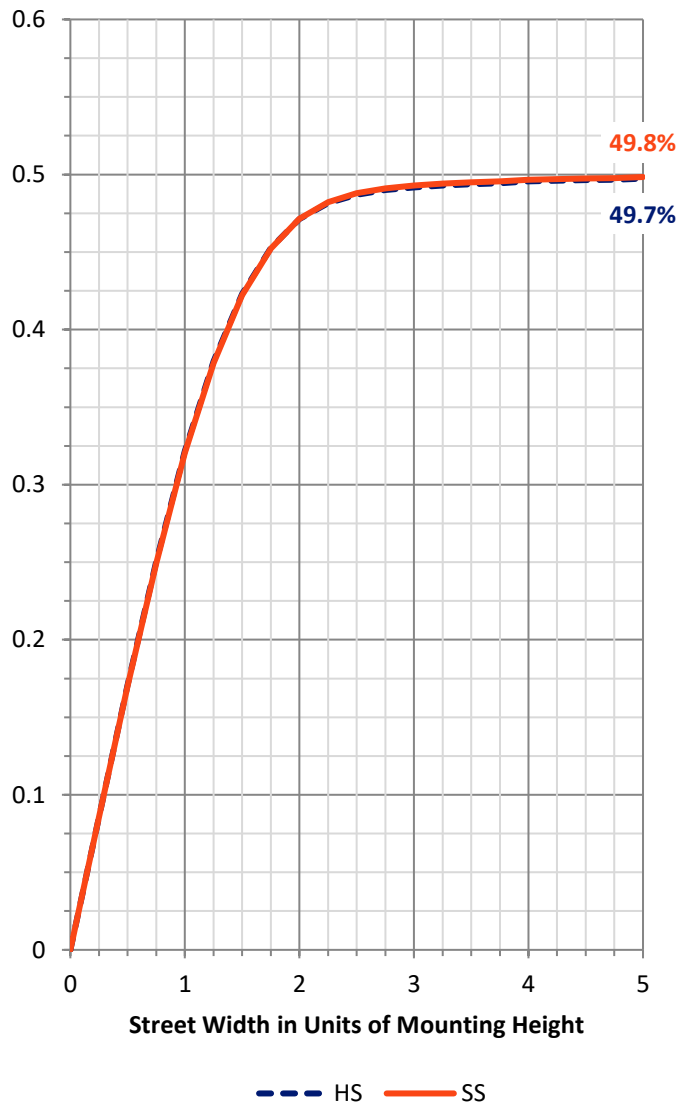
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3229.0	0.0	3229.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3229.0	0.0	3229.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6458.0	0.0	6458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	1.0
10°-20°	220.1	3.4
20°-30°	429.2	6.6
30°-40°	721.0	11.2
40°-50°	1136.1	17.6
50°-60°	1519.3	23.5
60°-70°	1477.0	22.9
70°-80°	807.4	12.5
80°-90°	82.1	1.3
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°	6458.0	100.0
0°-180°	6458.0	100.0

Coefficient of Utilization



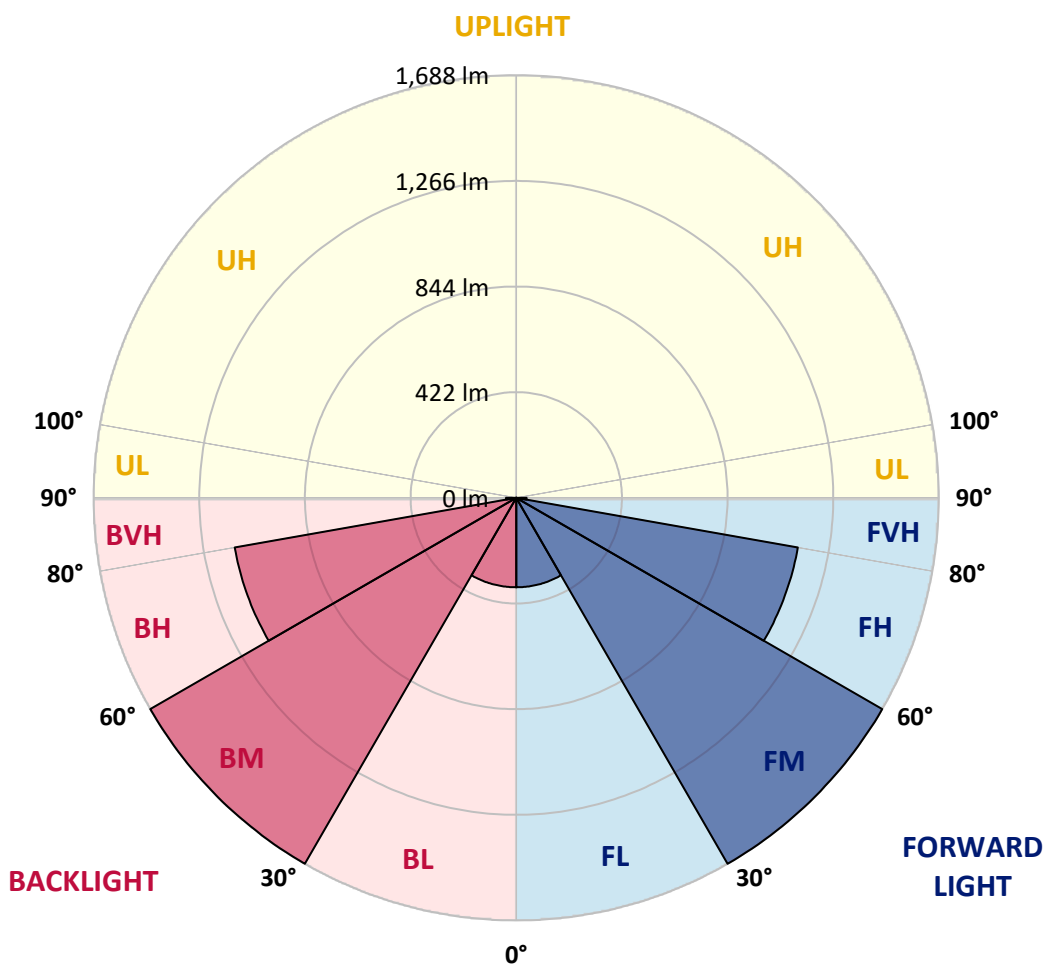
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.5	5.5			
FM (30°-60°)	1688.2	26.1			
FH (60°-80°)	1142.2	17.7			G1/1800
FVH (80°-90°)	41.1	0.6			G1/100
BL (0°-30°)	357.5	5.5	B1/500		
BM (30°-60°)	1688.2	26.1	B2/2500		
BH (60°-80°)	1142.2	17.7	B3/2500		G3/2500
BVH (80°-90°)	41.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5
2.5°	666.7	666.9	668.0	669.3	670.4	673.2	673.9	674.9	675.4	676.5	676.5
5°	660.9	661.3	663.9	667.4	671.3	678.2	683.2	688.8	691.6	694.6	694.4
7.5°	660.2	661.3	665.0	670.6	677.1	688.6	699.0	710.2	717.8	724.7	724.3
10°	666.9	668.7	673.9	682.3	692.1	706.3	721.7	736.9	750.1	760.7	761.1
12.5°	677.1	679.3	687.5	700.3	715.0	733.4	751.6	768.7	786.9	802.7	804.0
15°	690.5	693.4	705.7	724.7	747.3	769.1	788.6	806.2	827.2	849.0	851.2
17.5°	710.5	714.4	730.6	756.4	786.0	810.1	830.4	843.6	861.2	883.7	887.8
20°	740.8	745.8	766.3	797.1	833.2	858.4	873.9	876.8	885.4	905.6	910.3
22.5°	780.2	784.5	807.5	844.1	884.6	911.8	920.1	908.8	907.9	924.2	928.7
25°	824.1	828.0	854.7	895.8	939.3	969.4	969.2	947.3	932.2	944.7	949.5
27.5°	873.5	879.6	905.1	948.4	995.0	1024.7	1022.9	989.1	960.3	963.6	967.7
30°	930.2	937.0	961.9	1005.8	1052.4	1081.4	1079.2	1034.6	991.3	982.6	985.7
32.5°	1000.6	1008.6	1032.2	1075.5	1116.7	1142.9	1136.6	1084.0	1028.5	1009.7	1012.5
35°	1085.3	1090.0	1114.9	1157.6	1191.0	1208.9	1195.7	1141.1	1075.8	1053.0	1053.0
37.5°	1171.0	1174.7	1202.6	1244.0	1276.3	1285.8	1260.0	1203.7	1137.5	1105.2	1105.9
40°	1253.3	1263.3	1294.7	1337.1	1368.9	1371.5	1337.3	1275.2	1206.1	1172.8	1176.7
42.5°	1339.3	1349.0	1386.5	1434.6	1462.7	1467.0	1427.0	1355.3	1283.6	1256.6	1260.9
45°	1415.9	1423.7	1467.0	1522.9	1558.0	1569.2	1521.8	1447.1	1367.4	1341.0	1342.1
47.5°	1469.4	1479.6	1527.2	1593.1	1644.2	1661.5	1614.9	1536.5	1449.9	1417.9	1420.7
50°	1517.9	1523.3	1571.6	1643.5	1708.5	1744.2	1704.4	1624.9	1533.3	1499.3	1502.3
52.5°	1545.0	1551.9	1598.7	1673.6	1750.5	1808.1	1783.8	1704.4	1613.8	1580.7	1584.4
55°	1526.2	1531.3	1587.4	1680.3	1776.5	1847.5	1851.2	1782.1	1692.9	1663.9	1674.3
57.5°	1440.4	1446.9	1515.3	1637.0	1779.7	1874.1	1901.8	1854.2	1766.7	1743.1	1749.2
60°	1306.4	1310.5	1383.5	1520.3	1716.5	1885.2	1934.1	1913.1	1839.0	1815.4	1823.7
62.5°	1067.5	1073.6	1160.9	1344.3	1582.9	1852.5	1965.3	1961.8	1906.4	1884.7	1892.1
65°	729.7	740.3	836.9	1068.8	1377.0	1752.4	1993.7	2018.6	1965.9	1938.7	1948.4
67.5°	440.7	448.4	518.4	705.7	1053.7	1550.6	1964.4	2083.1	2007.9	1964.0	1972.0
68°	393.9	401.0	459.5	636.8	974.6	1493.7	1937.8	2090.4	2012.5	1963.6	1970.7
70°	238.0	242.7	281.9	393.7	649.8	1184.9	1756.1	2084.4	2041.5	1969.6	1973.7
72.5°	155.0	156.6	163.1	202.0	332.0	662.6	1318.1	1942.3	2085.0	2004.9	2004.3
75°	128.8	128.0	128.6	133.2	163.7	290.6	770.2	1534.4	1987.6	1949.3	1935.6
77.5°	108.9	108.3	108.1	108.3	109.6	140.3	334.3	955.8	1521.0	1724.3	1736.4
80°	88.1	87.3	90.1	88.8	84.9	87.3	140.1	397.6	717.0	771.3	722.8
82.5°	64.1	60.8	73.0	69.5	66.3	61.5	77.3	128.4	171.1	117.4	82.5
85°	49.4	45.9	55.4	53.3	45.5	31.4	45.9	62.8	69.3	39.6	31.2
87.5°	20.1	21.2	40.1	31.6	26.6	15.2	18.8	25.1	33.8	16.9	13.0
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)