

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: P385935

Luminaire Tested: GAW-SA1C-740-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385935
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-740-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7721 lumens
Efficiency: N/A
Efficacy: 130.9 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

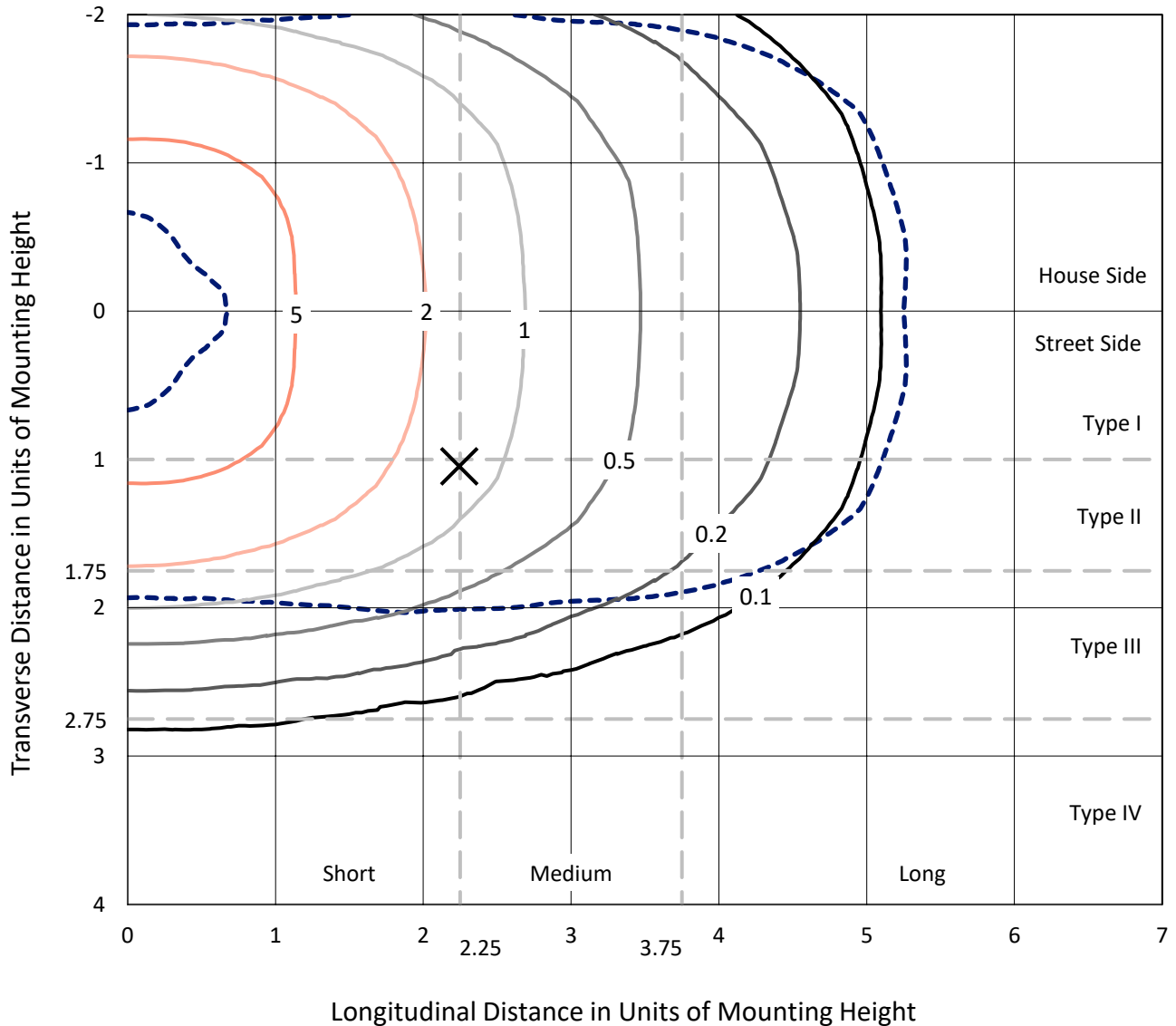
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

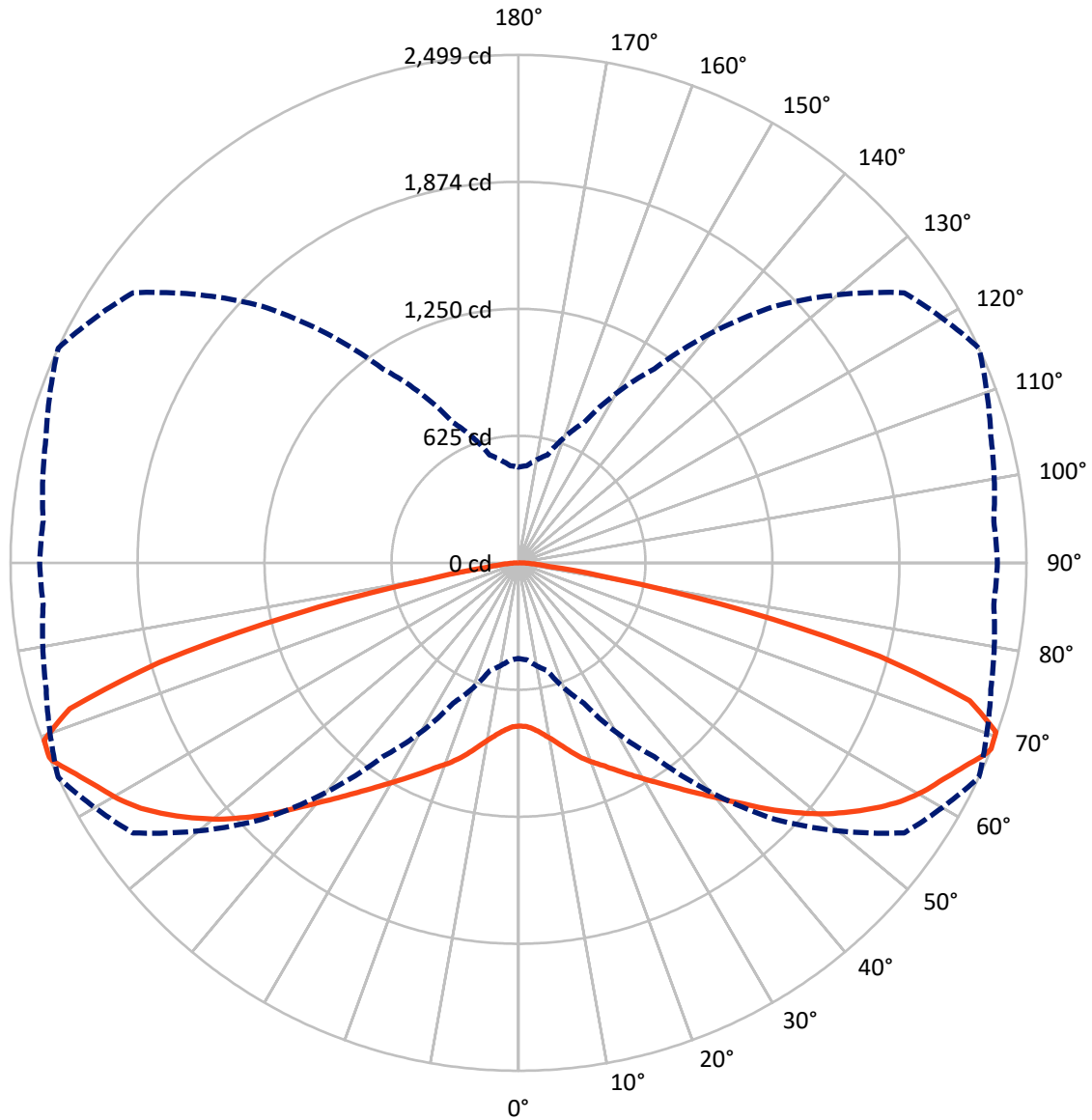
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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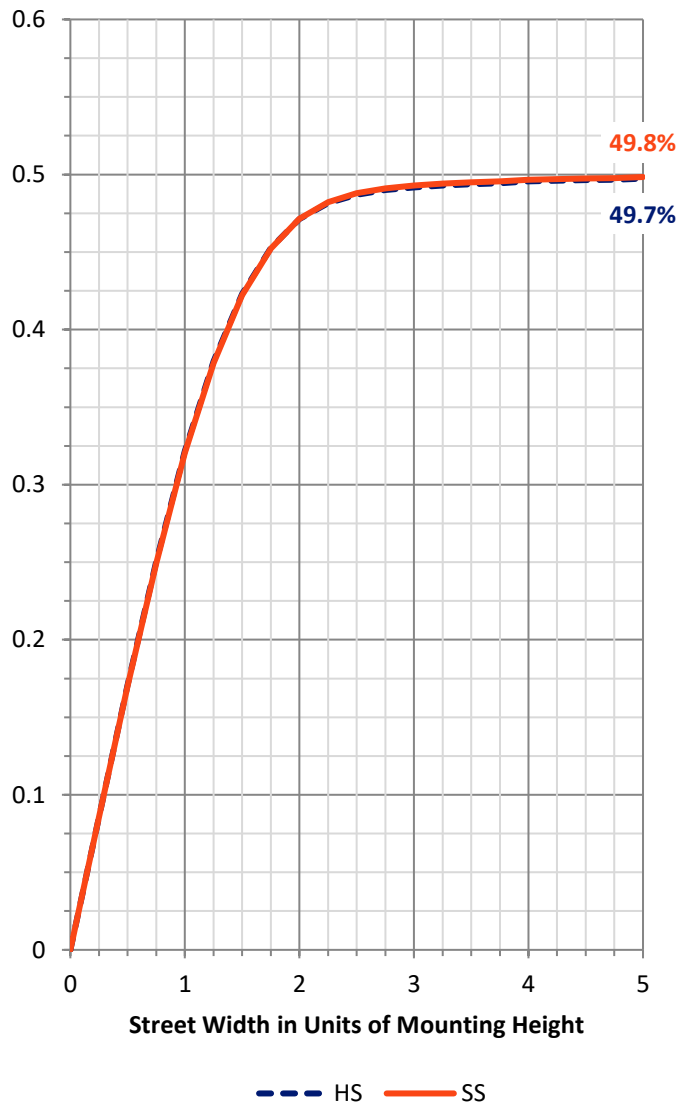
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3860.5	0.0	3860.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3860.5	0.0	3860.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7721.0	0.0	7721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.0
10°-20°	263.2	3.4
20°-30°	513.1	6.6
30°-40°	862.0	11.2
40°-50°	1358.3	17.6
50°-60°	1816.5	23.5
60°-70°	1765.8	22.9
70°-80°	965.3	12.5
80°-90°	98.2	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°	7721.0	100.0
0°-180°	7721.0	100.0

Coefficient of Utilization



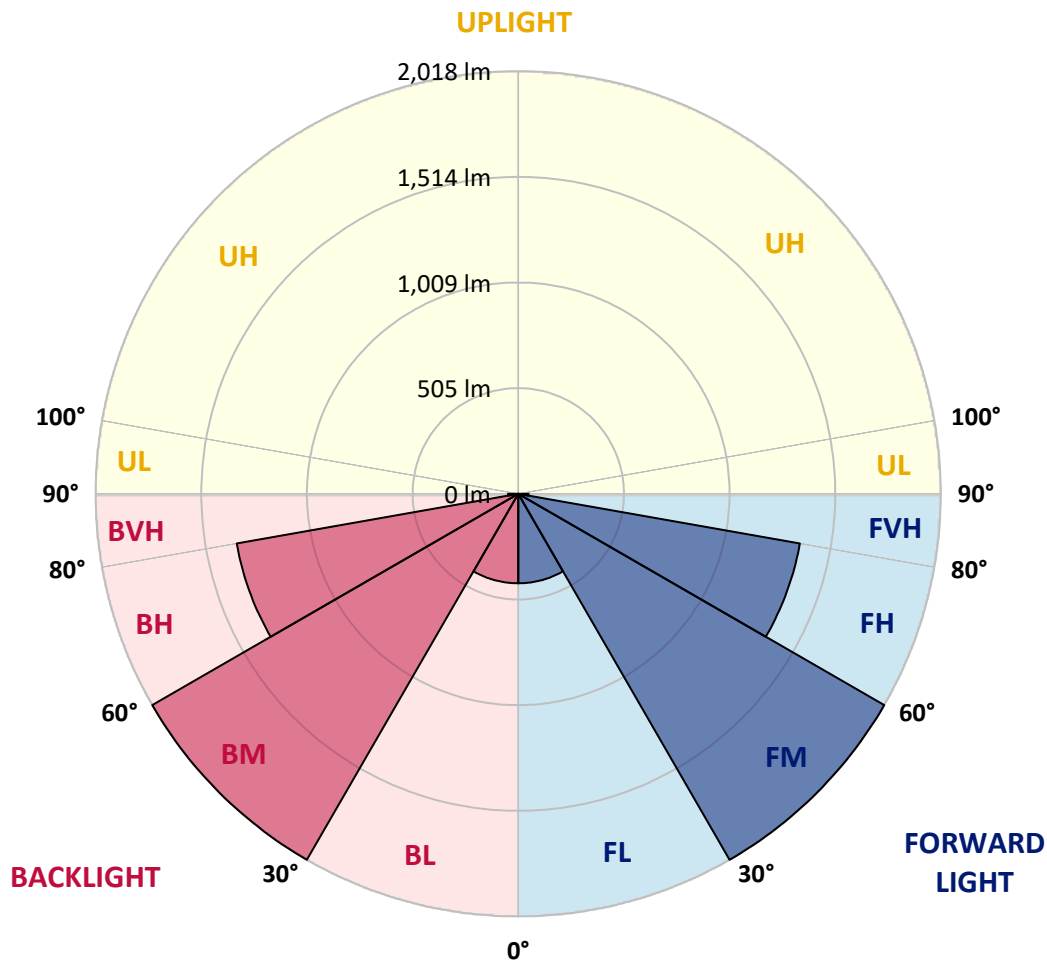
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.5	5.5			
FM (30°-60°)	2018.4	26.1			
FH (60°-80°)	1365.6	17.7			G1/1800
FVH (80°-90°)	49.1	0.6			G1/100
BL (0°-30°)	427.5	5.5	B1/500		
BM (30°-60°)	2018.4	26.1	B2/2500		
BH (60°-80°)	1365.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	49.1	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°	802.8	802.8	802.8	802.8	802.8	802.8	802.8	802.8	802.8	802.8	802.8
2.5°	797.1	797.4	798.7	800.2	801.5	804.9	805.7	806.9	807.5	808.8	808.8
5°	790.1	790.6	793.7	797.9	802.5	810.8	816.8	823.5	826.9	830.5	830.2
7.5°	789.3	790.6	795.0	801.8	809.5	823.3	835.7	849.1	858.2	866.5	866.0
10°	797.4	799.4	805.7	815.7	827.4	844.5	862.9	881.0	896.8	909.5	910.0
12.5°	809.5	812.1	822.0	837.2	854.8	876.8	898.6	919.0	940.8	959.7	961.2
15°	825.6	828.9	843.7	866.5	893.4	919.6	942.9	963.8	988.9	1015.1	1017.7
17.5°	849.4	854.1	873.5	904.3	939.8	968.5	992.8	1008.6	1029.6	1056.5	1061.4
20°	885.6	891.6	916.2	953.0	996.2	1026.2	1044.9	1048.2	1058.6	1082.7	1088.4
22.5°	932.8	937.9	965.4	1009.1	1057.5	1090.2	1100.0	1086.5	1085.5	1104.9	1110.4
25°	985.3	990.0	1021.8	1071.0	1123.0	1159.0	1158.8	1132.6	1114.5	1129.5	1135.2
27.5°	1044.3	1051.6	1082.1	1133.9	1189.6	1225.0	1223.0	1182.6	1148.2	1152.0	1157.0
30°	1112.2	1120.2	1150.0	1202.5	1258.2	1292.9	1290.3	1237.0	1185.2	1174.8	1178.4
32.5°	1196.3	1205.9	1234.1	1285.9	1335.1	1366.4	1358.9	1296.0	1229.7	1207.2	1210.5
35°	1297.5	1303.2	1333.0	1384.0	1423.9	1445.4	1429.6	1364.3	1286.1	1259.0	1259.0
37.5°	1400.0	1404.5	1437.8	1487.3	1525.9	1537.3	1506.5	1439.1	1359.9	1321.3	1322.1
40°	1498.4	1510.3	1547.9	1598.6	1636.7	1639.8	1598.9	1524.6	1442.0	1402.1	1406.8
42.5°	1601.2	1612.9	1657.6	1715.1	1748.8	1753.9	1706.1	1620.4	1534.7	1502.3	1507.5
45°	1692.8	1702.2	1753.9	1820.7	1862.7	1876.1	1819.4	1730.1	1634.9	1603.3	1604.6
47.5°	1756.8	1769.0	1825.9	1904.6	1965.7	1986.4	1930.8	1837.0	1733.5	1695.2	1698.5
50°	1814.8	1821.3	1879.0	1964.9	2042.6	2085.3	2037.7	1942.7	1833.2	1792.5	1796.1
52.5°	1847.1	1855.4	1911.3	2000.9	2092.8	2161.7	2132.7	2037.7	1929.5	1889.9	1894.3
55°	1824.6	1830.8	1897.9	2008.9	2123.9	2208.8	2213.2	2130.6	2024.0	1989.3	2001.7
57.5°	1722.1	1729.9	1811.7	1957.2	2127.8	2240.6	2273.8	2216.8	2112.2	2084.0	2091.3
60°	1561.9	1566.8	1654.0	1817.6	2052.2	2253.9	2312.4	2287.2	2198.7	2170.5	2180.3
62.5°	1276.3	1283.6	1387.9	1607.2	1892.4	2214.8	2349.6	2345.5	2279.2	2253.3	2262.1
65°	872.4	885.1	1000.6	1277.9	1646.2	2095.2	2383.6	2413.3	2350.4	2317.8	2329.4
67.5°	526.8	536.2	619.8	843.7	1259.7	1853.9	2348.6	2490.5	2400.6	2348.1	2357.7
68°	470.9	479.5	549.4	761.4	1165.2	1785.8	2316.8	2499.3	2406.1	2347.6	2356.1
70°	284.5	290.2	337.1	470.7	776.9	1416.6	2099.6	2492.0	2440.8	2354.8	2359.7
72.5°	185.4	187.2	194.9	241.5	396.9	792.2	1575.8	2322.2	2492.8	2397.0	2396.2
75°	154.0	153.0	153.8	159.2	195.7	347.4	920.9	1834.5	2376.3	2330.5	2314.2
77.5°	130.2	129.4	129.2	129.4	131.0	167.8	399.7	1142.7	1818.4	2061.5	2076.0
80°	105.4	104.3	107.7	106.1	101.5	104.3	167.5	475.3	857.2	922.1	864.2
82.5°	76.6	72.7	87.2	83.1	79.2	73.5	92.4	153.5	204.5	140.3	98.6
85°	59.0	54.9	66.3	63.7	54.4	37.5	54.9	75.1	82.8	47.4	37.3
87.5°	24.1	25.4	47.9	37.8	31.8	18.1	22.5	30.0	40.4	20.2	15.5
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)