

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: P386016

Luminaire Tested: GAW-SA1C-827-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-827-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5849 lumens
Efficiency: N/A
Efficacy: 100.8 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

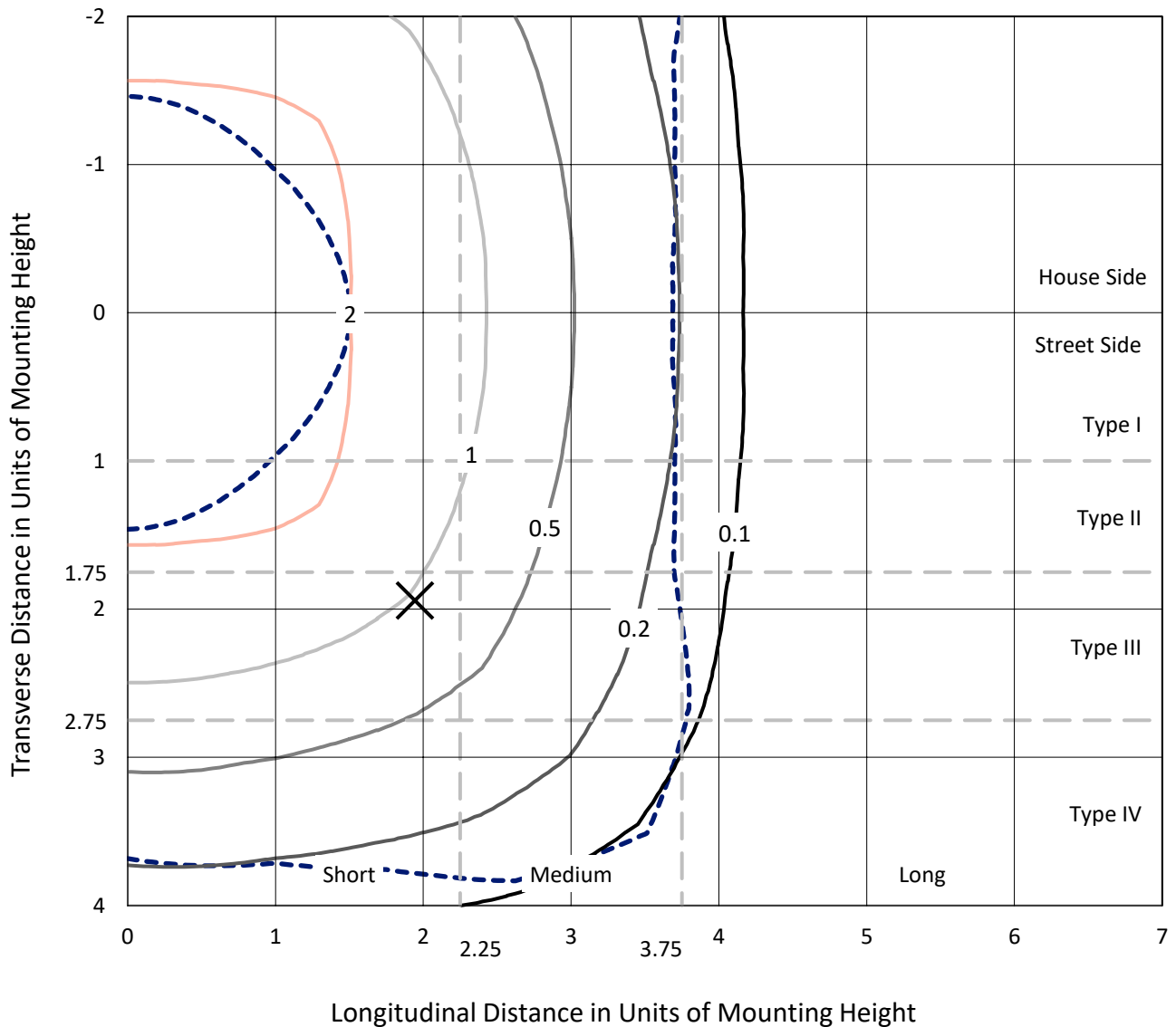
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

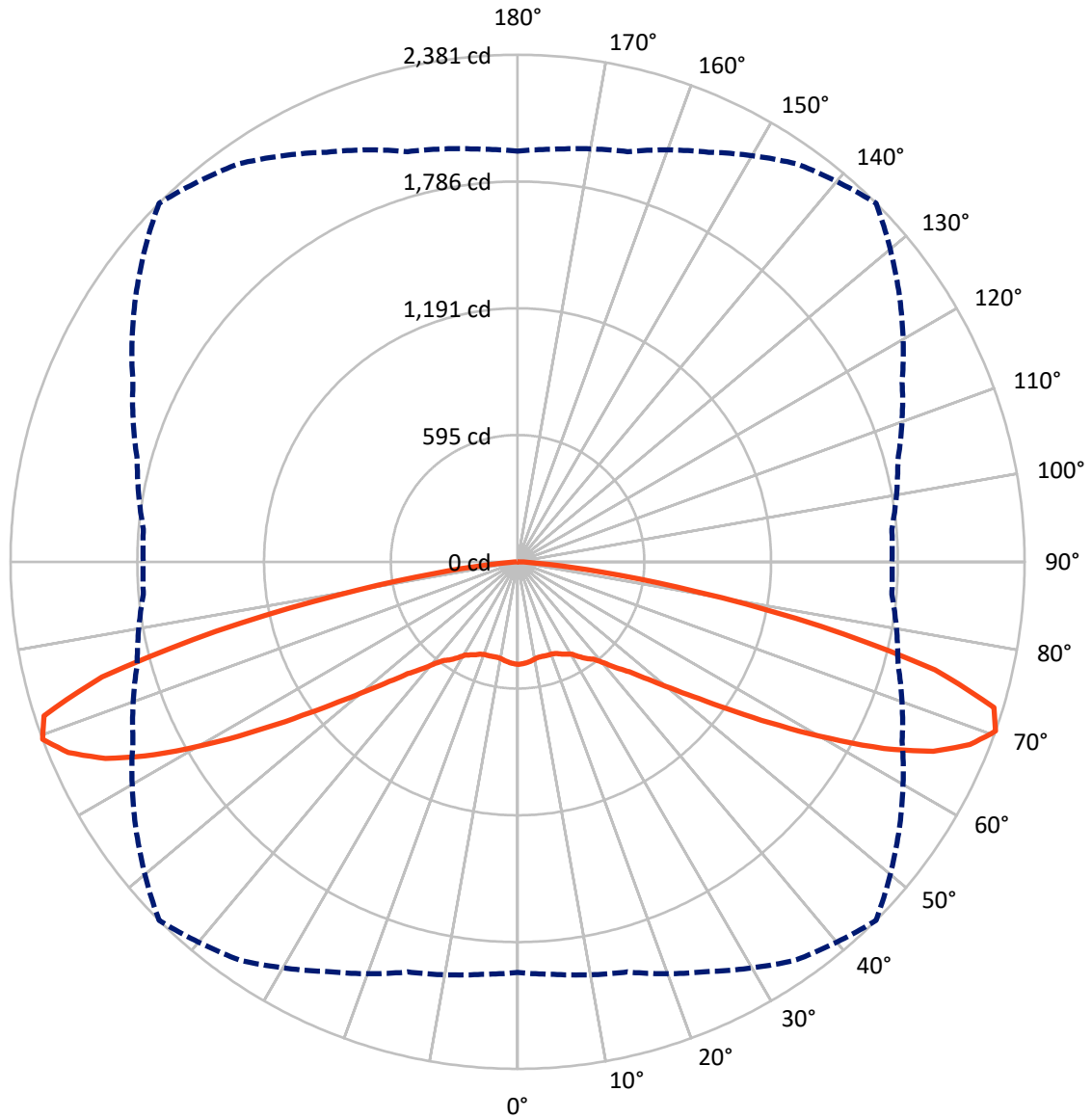
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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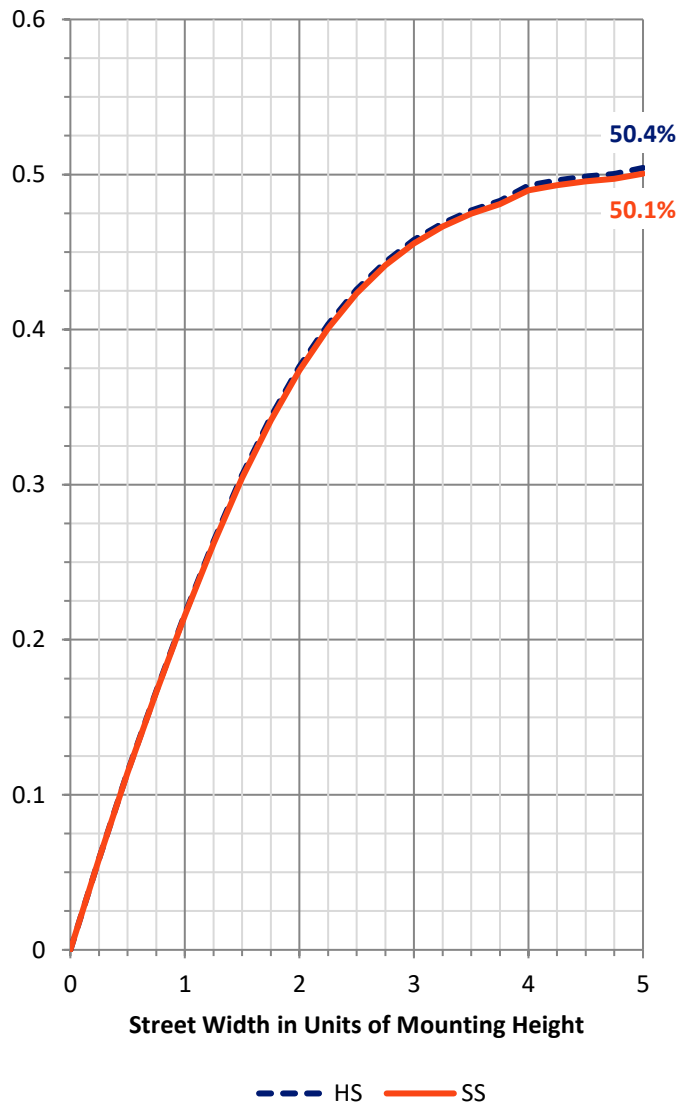
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2924.5	0.0	2924.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2924.5	0.0	2924.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5849.0	0.0	5849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	0.8
10°-20°	131.2	2.2
20°-30°	223.8	3.8
30°-40°	349.6	6.0
40°-50°	592.5	10.1
50°-60°	1080.5	18.5
60°-70°	1860.2	31.8
70°-80°	1458.1	24.9
80°-90°	108.1	1.8
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°	5849.0	100.0
0°-180°	5849.0	100.0

Coefficient of Utilization



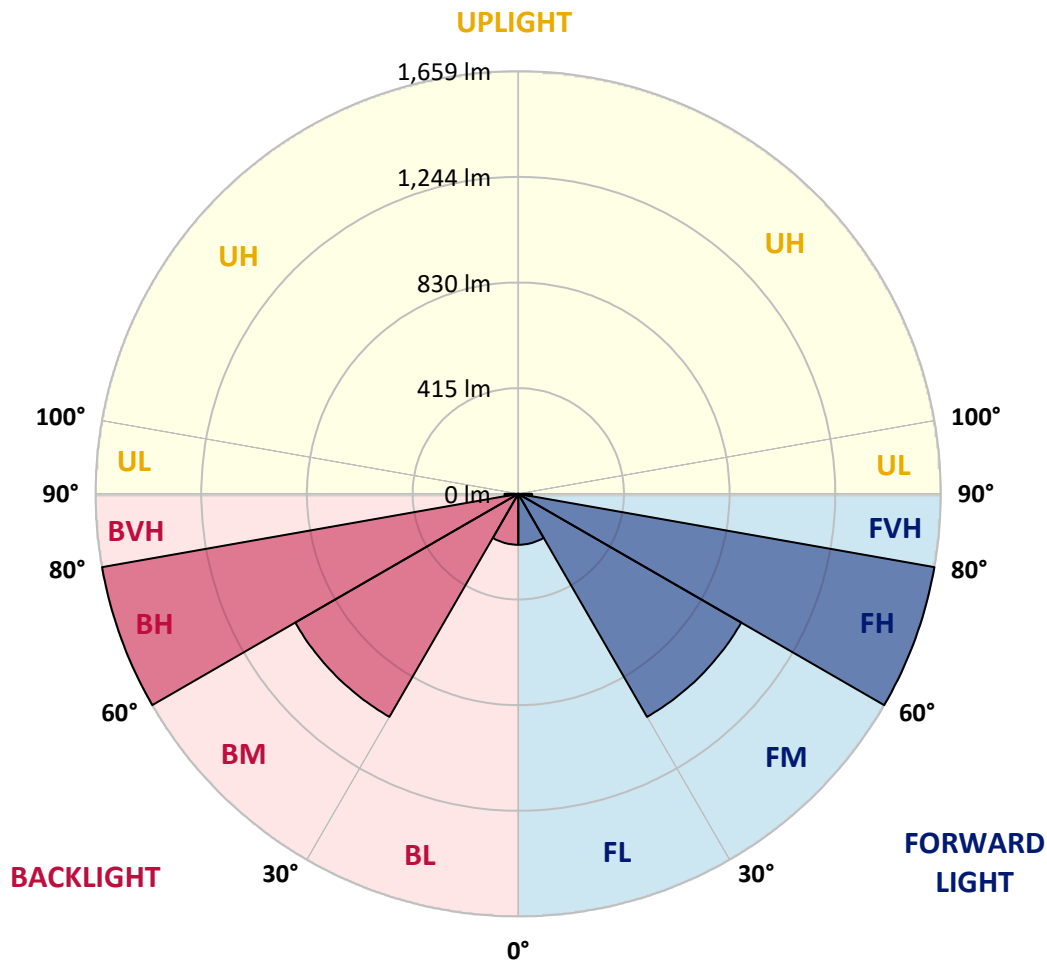
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.0	3.4			
FM (30°-60°)	1011.3	17.3			
FH (60°-80°)	1659.2	28.4			G1/1800
FVH (80°-90°)	54.1	0.9			G1/100
BL (0°-30°)	200.0	3.4	B1/500		
BM (30°-60°)	1011.3	17.3	B2/2500		
BH (60°-80°)	1659.2	28.4	B3/2500		G1/1800
BVH (80°-90°)	54.1	0.9			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°	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4
2.5°	479.2	479.8	479.2	479.6	478.7	479.1	479.1	479.1	478.9	479.1	478.7
5°	475.0	475.4	474.6	475.0	474.4	475.0	475.2	475.0	474.6	474.8	474.0
7.5°	468.6	469.0	468.4	469.0	468.2	469.2	469.0	468.4	467.8	467.8	467.1
10°	465.1	465.3	463.8	463.2	461.4	461.8	462.4	463.0	463.6	464.7	464.5
12.5°	465.3	465.3	463.0	460.5	458.0	458.5	459.5	461.6	464.0	466.1	466.3
15°	467.2	467.1	463.6	459.5	457.8	459.5	460.1	461.4	465.1	468.8	469.0
17.5°	468.6	468.6	463.2	458.5	458.3	461.1	460.9	461.4	465.5	470.9	471.1
20°	471.1	471.1	464.2	459.1	459.1	462.0	462.2	463.2	467.2	473.2	474.2
22.5°	476.7	476.9	469.6	465.5	465.9	467.6	468.2	469.8	473.4	480.0	481.2
25°	484.7	485.0	477.5	475.2	476.5	479.8	479.4	480.6	484.7	491.0	492.2
27.5°	495.7	494.7	487.8	486.8	488.1	490.5	490.3	490.5	493.8	499.6	500.9
30°	510.0	509.6	504.6	505.2	504.6	503.8	504.0	505.6	507.3	511.9	513.3
32.5°	523.9	524.3	521.2	524.1	528.4	531.3	526.8	522.6	520.6	523.2	524.3
35°	549.1	550.1	545.2	543.3	549.1	557.6	545.0	538.1	541.9	545.2	546.2
37.5°	591.8	592.4	584.3	576.6	572.3	580.4	567.9	568.4	582.0	588.2	588.0
40°	640.6	640.8	635.4	628.6	621.3	623.2	618.2	619.7	628.6	634.2	635.8
42.5°	698.6	698.1	689.6	679.9	677.8	679.7	671.2	670.0	680.3	690.3	690.5
45°	773.9	772.6	761.5	750.9	740.6	736.4	734.2	739.9	754.0	763.3	763.5
47.5°	855.0	851.3	845.5	837.0	828.1	823.8	820.3	823.1	833.3	837.0	837.4
50°	938.4	939.1	940.3	937.0	933.7	932.4	923.3	918.1	921.1	914.4	913.4
52.5°	1037.2	1038.8	1050.0	1059.5	1065.1	1068.0	1050.8	1032.8	1022.7	1009.6	1005.7
55°	1153.9	1156.4	1172.9	1199.2	1226.3	1240.6	1209.4	1175.8	1144.6	1120.0	1112.1
57.5°	1283.9	1288.4	1311.0	1361.5	1417.0	1450.9	1398.3	1337.1	1277.0	1241.5	1235.4
60°	1436.4	1440.6	1472.0	1544.3	1634.3	1685.2	1605.5	1505.5	1430.6	1396.7	1385.3
62.5°	1617.9	1618.3	1656.8	1741.3	1860.1	1930.9	1823.0	1689.3	1612.1	1571.2	1560.2
65°	1813.1	1814.1	1853.9	1945.2	2068.1	2145.1	2023.2	1883.9	1789.5	1729.3	1720.8
67.5°	1951.0	1955.1	1997.1	2107.0	2221.9	2291.4	2165.2	2007.7	1898.6	1826.8	1819.7
70°	1929.0	1944.8	1994.2	2122.5	2282.3	2381.3	2188.2	1993.0	1849.1	1764.3	1758.3
72.5°	1682.3	1712.7	1778.5	1946.8	2202.4	2338.8	2062.7	1785.0	1622.1	1550.0	1539.1
75°	1145.6	1194.9	1294.2	1537.0	1881.6	2024.9	1736.5	1423.2	1270.0	1170.2	1162.8
77.5°	510.8	522.0	647.8	927.3	1298.4	1454.2	1261.7	931.0	698.8	557.4	527.6
80°	142.4	144.1	192.3	345.4	649.9	854.4	697.7	362.8	203.9	143.8	135.4
82.5°	45.3	49.1	60.0	89.6	218.4	389.9	224.2	96.7	68.9	54.9	49.5
85°	22.1	21.9	30.4	36.4	55.7	86.3	59.4	44.9	39.3	26.1	23.6
87.5°	9.3	9.5	14.1	12.8	16.3	13.9	19.2	20.1	21.1	11.6	10.1
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)