

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: P386579

Luminaire Tested: GAW-SA2B-730-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386579
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-SA2B-730-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11102 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

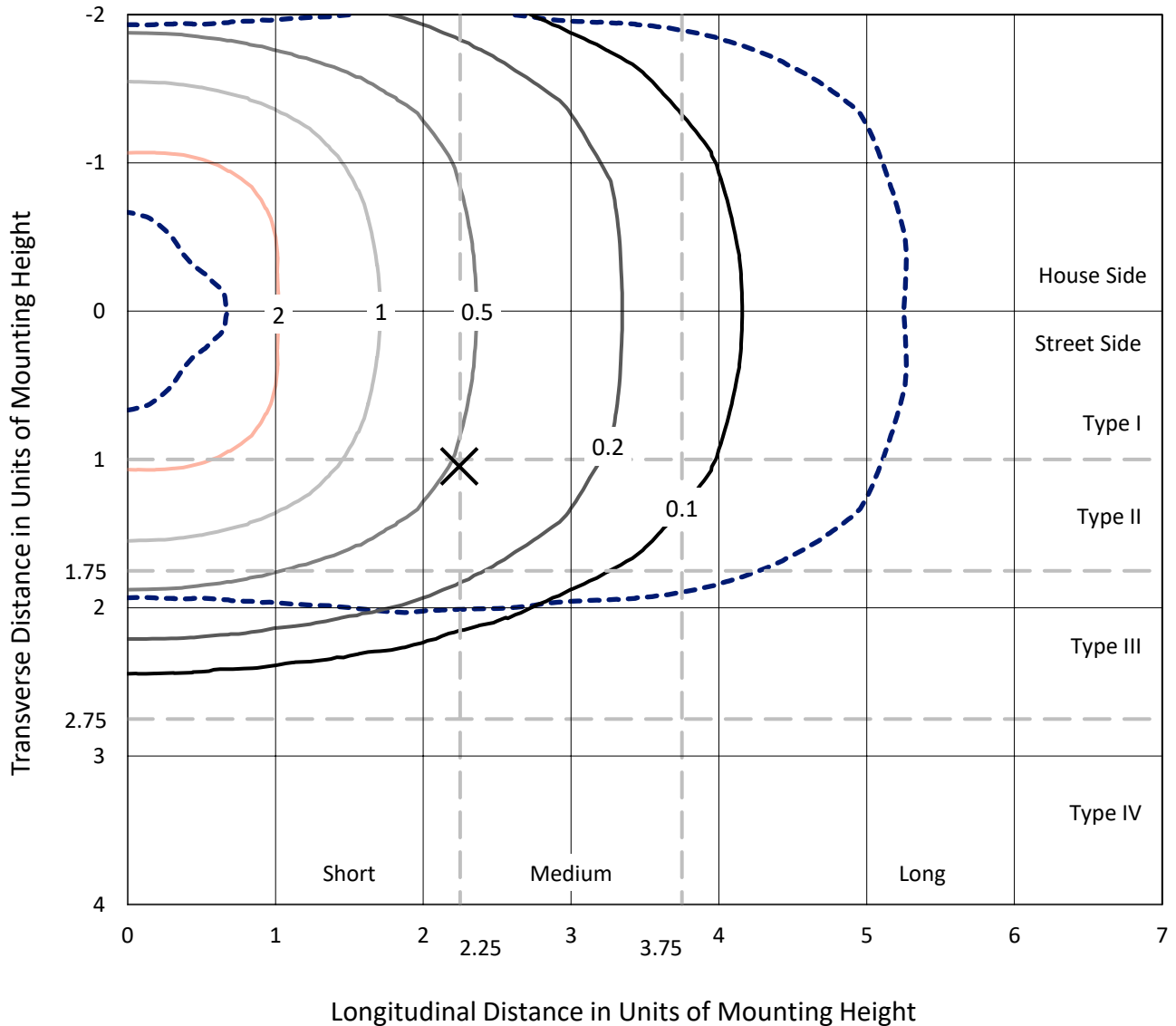
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

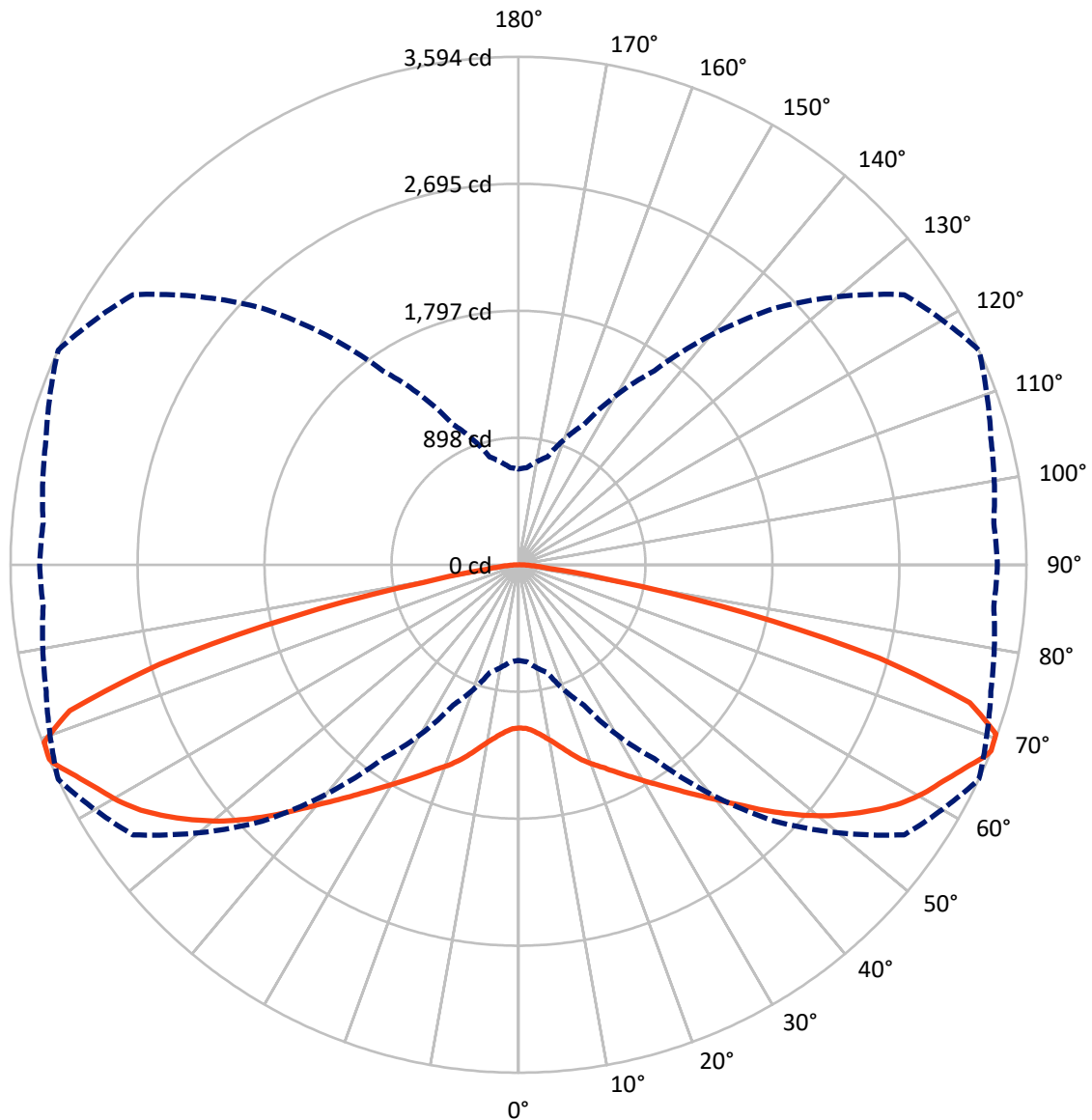
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 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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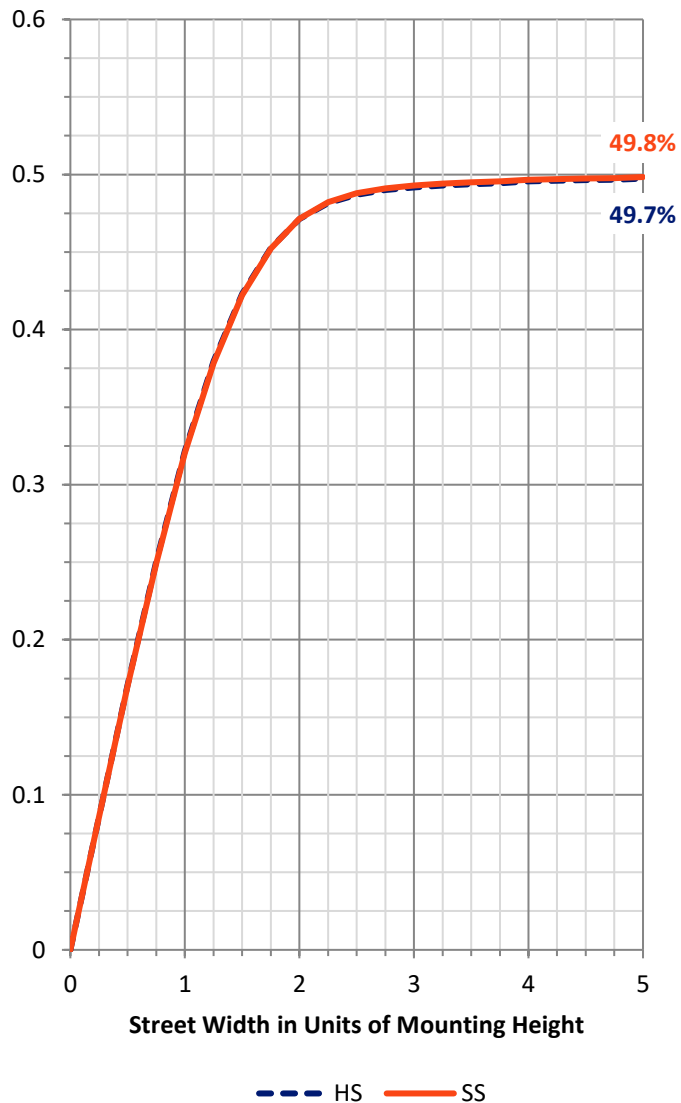
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5551.0	0.0	5551.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5551.0	0.0	5551.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11102.0	0.0	11102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.0
10°-20°	378.4	3.4
20°-30°	737.8	6.6
30°-40°	1239.5	11.2
40°-50°	1953.1	17.6
50°-60°	2611.9	23.5
60°-70°	2539.1	22.9
70°-80°	1388.0	12.5
80°-90°	141.2	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°	11102.0	100.0
0°-180°	11102.0	100.0

Coefficient of Utilization



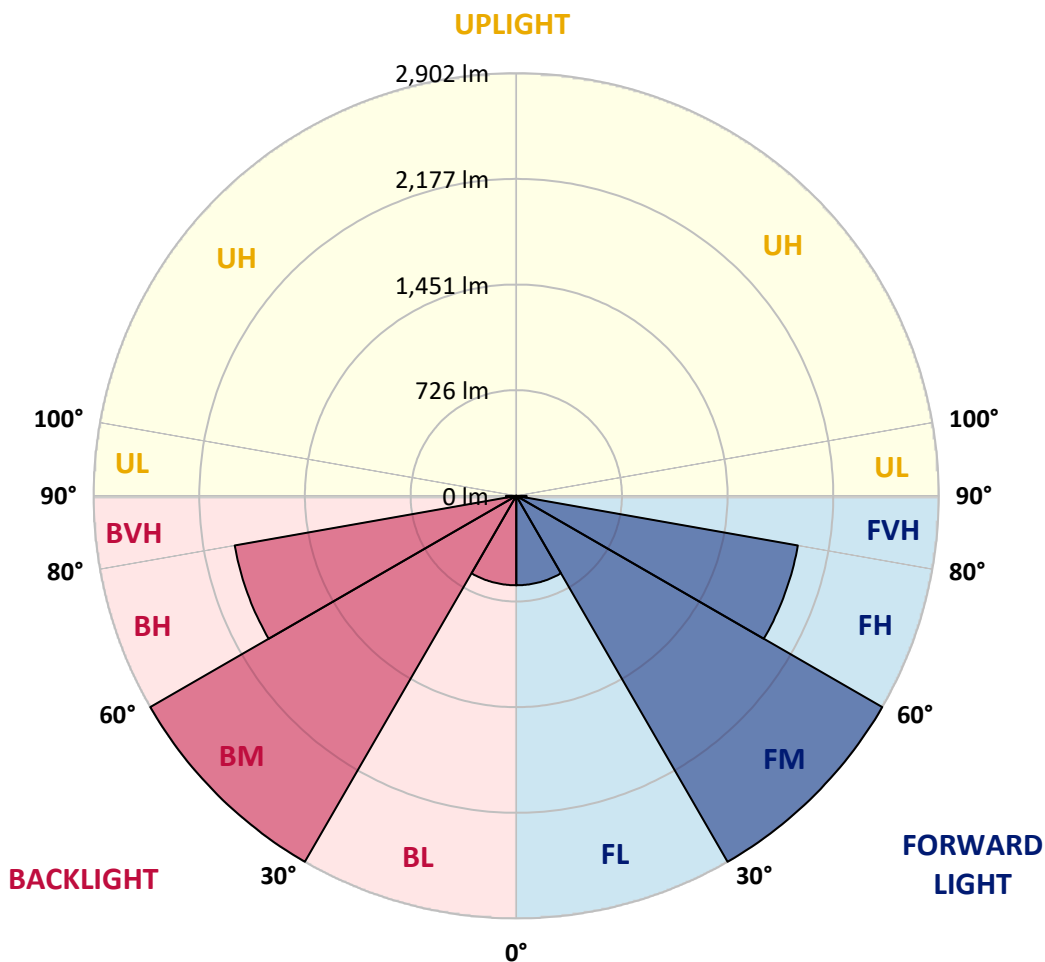
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.6	5.5			
FM (30°-60°)	2902.2	26.1			
FH (60°-80°)	1963.5	17.7			G2/5000
FVH (80°-90°)	70.6	0.6			G1/100
BL (0°-30°)	614.6	5.5	B2/1000		
BM (30°-60°)	2902.2	26.1	B3/5000		
BH (60°-80°)	1963.5	17.7	B3/2500		G3/2500
BVH (80°-90°)	70.6	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°	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3
2.5°	1146.2	1146.5	1148.4	1150.6	1152.5	1157.3	1158.4	1160.3	1161.0	1162.9	1162.9
5°	1136.1	1136.9	1141.3	1147.3	1154.0	1165.9	1174.4	1184.1	1189.0	1194.2	1193.8
7.5°	1135.0	1136.9	1143.2	1152.9	1164.0	1183.8	1201.6	1221.0	1234.0	1245.9	1245.2
10°	1146.5	1149.5	1158.4	1173.0	1189.7	1214.3	1240.7	1266.8	1289.5	1307.7	1308.5
12.5°	1164.0	1167.7	1181.9	1203.9	1229.2	1260.8	1292.1	1321.5	1352.8	1379.9	1382.2
15°	1187.1	1191.9	1213.2	1245.9	1284.6	1322.2	1355.7	1385.9	1422.0	1459.6	1463.3
17.5°	1221.4	1228.1	1256.0	1300.3	1351.3	1392.6	1427.6	1450.3	1480.4	1519.2	1526.2
20°	1273.5	1282.0	1317.4	1370.3	1432.4	1475.6	1502.4	1507.2	1522.1	1556.7	1564.9
22.5°	1341.2	1348.7	1388.1	1451.0	1520.6	1567.5	1581.7	1562.3	1560.8	1588.8	1596.6
25°	1416.8	1423.5	1469.3	1540.0	1614.8	1666.6	1666.2	1628.6	1602.5	1624.1	1632.3
27.5°	1501.7	1512.1	1556.0	1630.5	1710.5	1761.5	1758.5	1700.4	1650.9	1656.5	1663.6
30°	1599.2	1610.7	1653.5	1729.1	1809.1	1859.0	1855.3	1778.6	1704.2	1689.3	1694.5
32.5°	1720.2	1733.9	1774.5	1849.0	1919.7	1964.7	1953.9	1863.5	1768.2	1735.8	1740.6
35°	1865.7	1873.9	1916.7	1990.0	2047.4	2078.3	2055.6	1961.8	1849.3	1810.3	1810.3
37.5°	2013.1	2019.5	2067.5	2138.6	2194.0	2210.4	2166.1	2069.3	1955.4	1900.0	1901.1
40°	2154.6	2171.7	2225.7	2298.6	2353.4	2357.8	2299.0	2192.2	2073.4	2016.1	2022.8
42.5°	2302.4	2319.1	2383.5	2466.2	2514.5	2522.0	2453.1	2329.9	2206.7	2160.2	2167.6
45°	2434.1	2447.5	2522.0	2618.0	2678.3	2697.7	2616.2	2487.7	2350.8	2305.3	2307.2
47.5°	2526.1	2543.6	2625.5	2738.6	2826.5	2856.3	2776.2	2641.5	2492.6	2437.5	2442.3
50°	2609.5	2618.8	2701.8	2825.4	2937.1	2998.5	2930.0	2793.4	2635.9	2577.5	2582.7
52.5°	2656.0	2667.9	2748.3	2877.1	3009.3	3108.3	3066.6	2930.0	2774.4	2717.4	2723.8
55°	2623.6	2632.6	2729.0	2888.7	3053.9	3176.0	3182.4	3063.6	2910.2	2860.4	2878.2
57.5°	2476.2	2487.4	2605.0	2814.2	3059.5	3221.8	3269.5	3187.6	3037.2	2996.6	3007.0
60°	2245.8	2252.9	2378.3	2613.6	2950.8	3240.8	3324.9	3288.8	3161.5	3120.9	3135.1
62.5°	1835.2	1845.6	1995.6	2310.9	2721.1	3184.6	3378.5	3372.6	3277.3	3240.1	3252.7
65°	1254.5	1272.7	1438.7	1837.4	2367.1	3012.6	3427.3	3470.1	3379.7	3332.8	3349.5
67.5°	757.5	770.9	891.2	1213.2	1811.4	2665.7	3377.1	3581.0	3451.9	3376.3	3390.1
68°	677.1	689.4	789.9	1094.8	1675.5	2567.8	3331.3	3593.7	3459.7	3375.6	3387.8
70°	409.1	417.3	484.7	676.8	1117.1	2037.0	3018.9	3583.3	3509.6	3386.0	3393.1
72.5°	266.5	269.1	280.3	347.3	570.7	1139.1	2265.9	3339.1	3584.4	3446.7	3445.5
75°	221.5	220.0	221.1	228.9	281.4	499.6	1324.1	2637.8	3416.9	3351.0	3327.5
77.5°	187.2	186.1	185.8	186.1	188.4	241.2	574.8	1643.1	2614.7	2964.2	2985.1
80°	151.5	150.0	154.9	152.6	145.9	150.0	240.8	683.5	1232.5	1326.0	1242.6
82.5°	110.2	104.6	125.4	119.5	113.9	105.7	132.9	220.7	294.1	201.8	141.8
85°	84.9	78.9	95.3	91.6	78.2	54.0	78.9	108.0	119.1	68.1	53.6
87.5°	34.6	36.5	68.9	54.3	45.8	26.1	32.4	43.2	58.1	29.0	22.3
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)