

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: P386775

Luminaire Tested: GAW-SA2C-727-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386775
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-SA2C-727-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12618 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

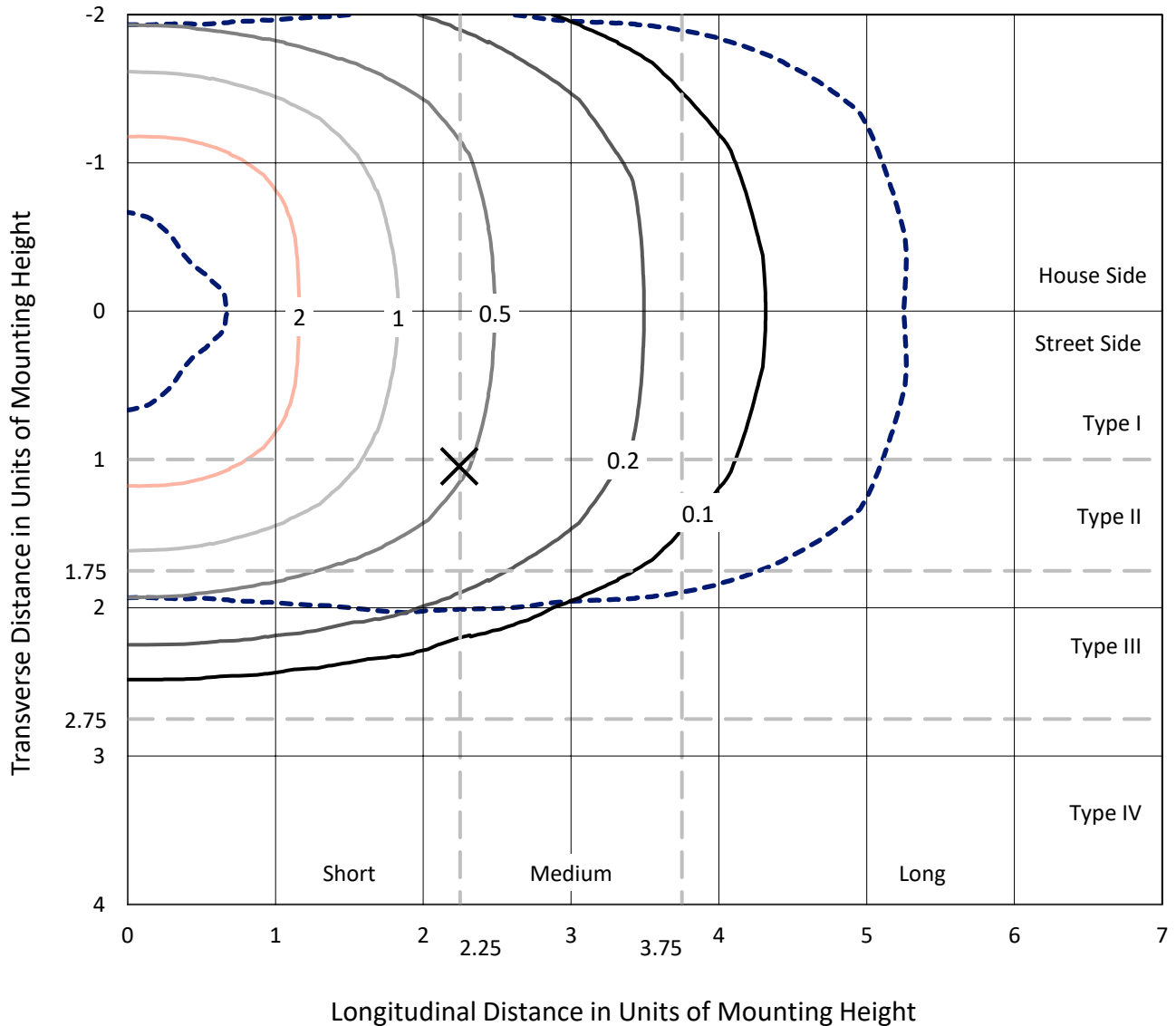
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

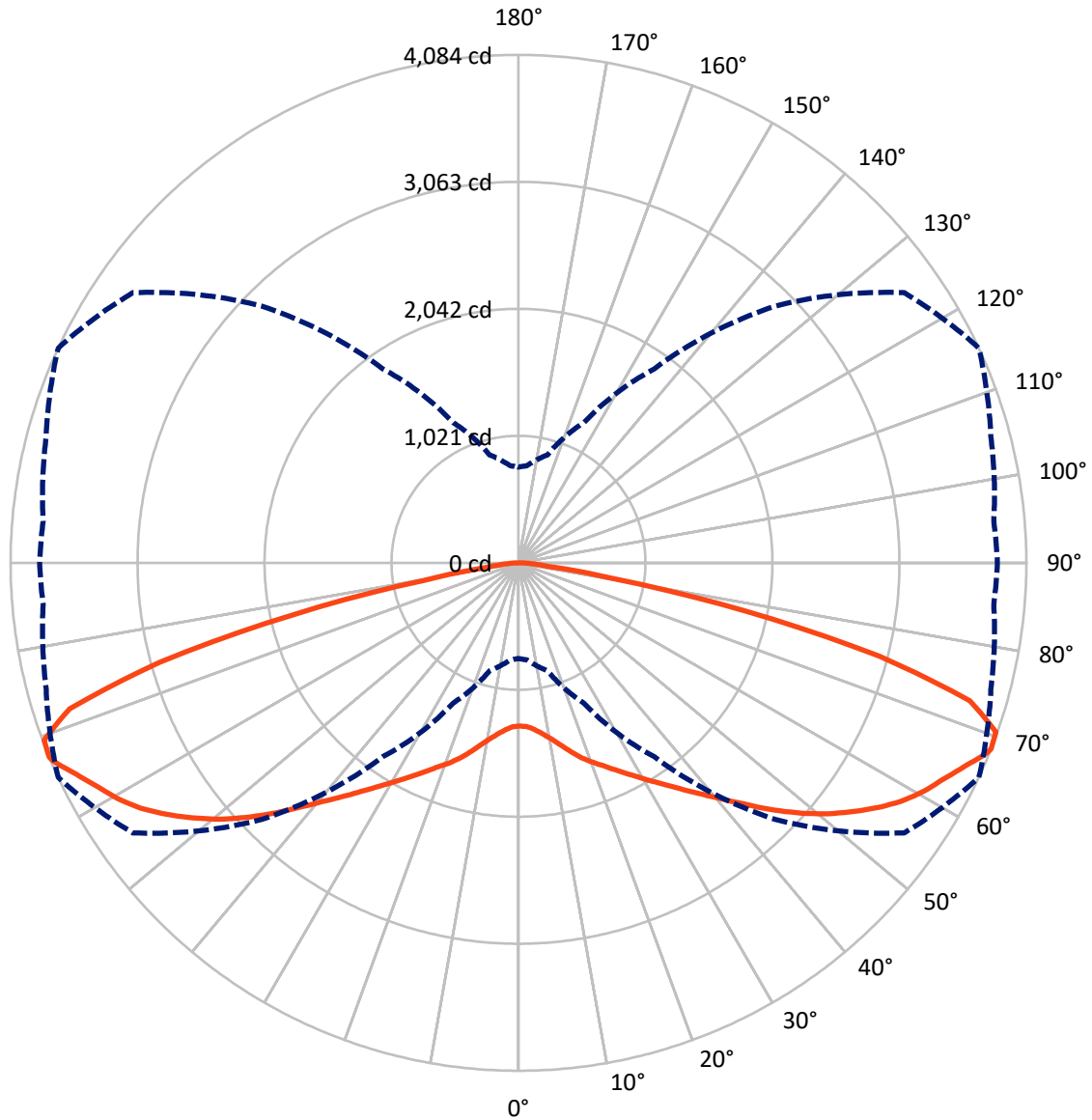
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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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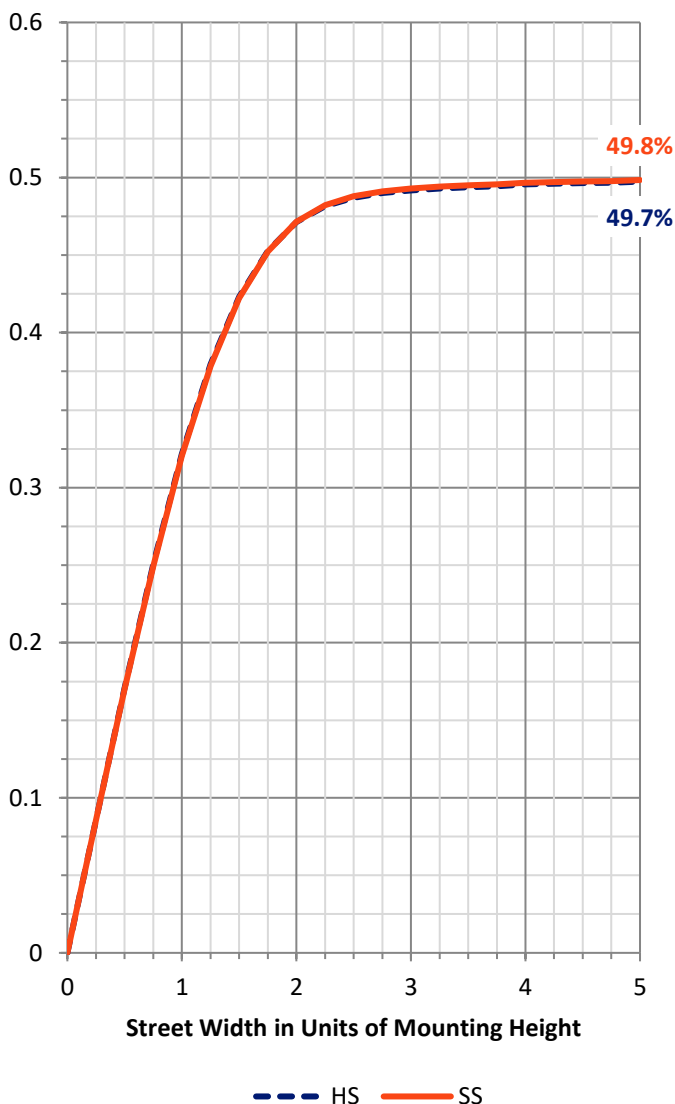
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6309.0	0.0	6309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6309.0	0.0	6309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12618.0	0.0	12618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	1.0
10°-20°	430.1	3.4
20°-30°	838.6	6.6
30°-40°	1408.8	11.2
40°-50°	2219.8	17.6
50°-60°	2968.5	23.5
60°-70°	2885.8	22.9
70°-80°	1577.5	12.5
80°-90°	160.4	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°	12618.0	100.0
0°-180°	12618.0	100.0

Coefficient of Utilization

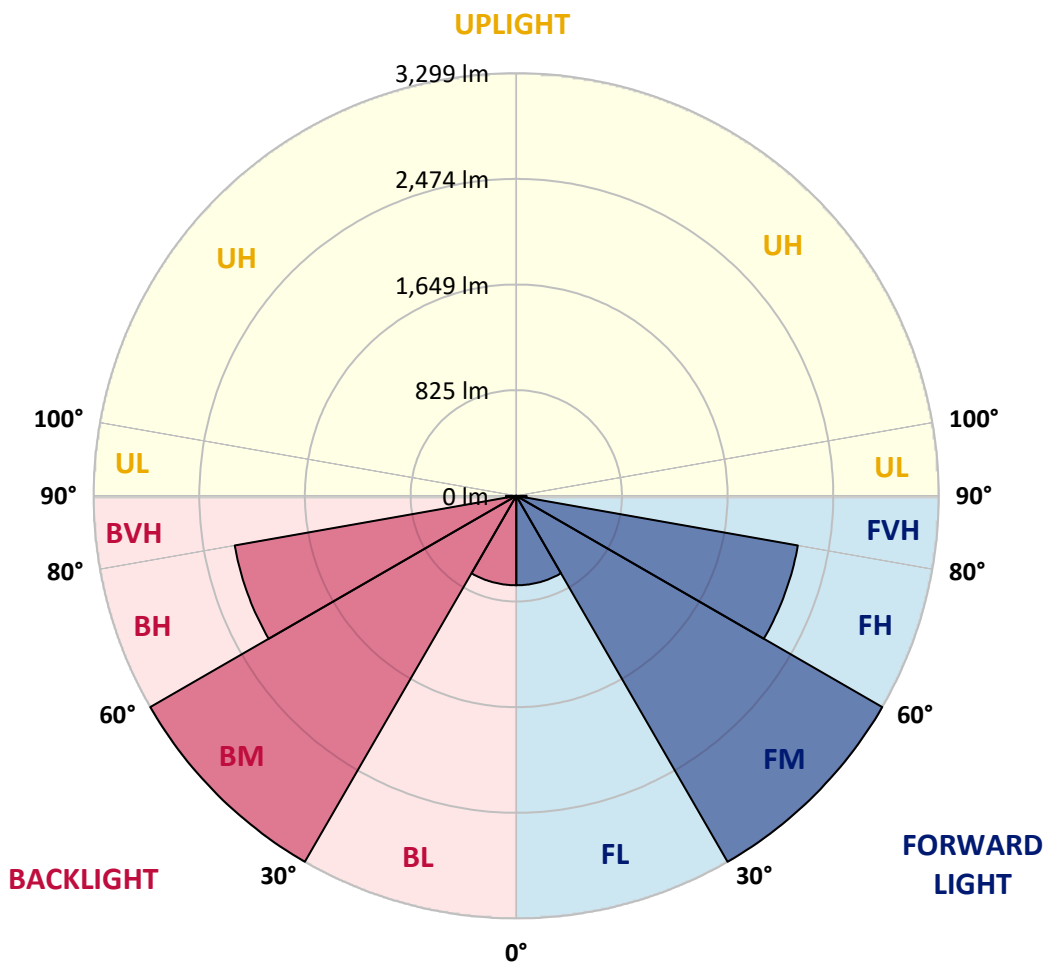


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.6	5.5			
FM (30°-60°)	3298.5	26.1			
FH (60°-80°)	2231.7	17.7			G2/5000
FVH (80°-90°)	80.2	0.6			G1/100
BL (0°-30°)	698.6	5.5	B2/1000		
BM (30°-60°)	3298.5	26.1	B3/5000		
BH (60°-80°)	2231.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	80.2	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°	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0	1312.0
2.5°	1302.7	1303.1	1305.2	1307.7	1309.9	1315.4	1316.6	1318.7	1319.6	1321.7	1321.7
5°	1291.2	1292.1	1297.2	1303.9	1311.6	1325.1	1334.8	1345.8	1351.3	1357.2	1356.8
7.5°	1290.0	1292.1	1299.3	1310.3	1323.0	1345.4	1365.7	1387.7	1402.5	1416.1	1415.2
10°	1303.1	1306.5	1316.6	1333.1	1352.2	1380.1	1410.1	1439.7	1465.6	1486.3	1487.1
12.5°	1323.0	1327.2	1343.3	1368.2	1397.0	1433.0	1468.5	1501.9	1537.5	1568.4	1570.9
15°	1349.2	1354.7	1378.8	1416.1	1460.1	1502.8	1540.9	1575.1	1616.2	1658.9	1663.1
17.5°	1388.1	1395.7	1427.5	1477.8	1535.8	1582.7	1622.5	1648.3	1682.6	1726.6	1734.6
20°	1447.4	1457.1	1497.3	1557.4	1628.0	1677.1	1707.6	1713.1	1730.0	1769.3	1778.6
22.5°	1524.4	1532.8	1577.7	1649.2	1728.3	1781.6	1797.7	1775.7	1774.0	1805.7	1814.6
25°	1610.2	1617.9	1669.9	1750.3	1835.3	1894.1	1893.7	1851.0	1821.4	1845.9	1855.2
27.5°	1706.7	1718.6	1768.5	1853.1	1944.1	2002.0	1998.6	1932.6	1876.4	1882.7	1890.8
30°	1817.6	1830.7	1879.3	1965.2	2056.2	2112.9	2108.6	2021.5	1936.9	1919.9	1925.9
32.5°	1955.1	1970.7	2016.8	2101.4	2181.8	2233.0	2220.8	2117.9	2009.6	1972.8	1978.3
35°	2120.5	2129.8	2178.4	2261.8	2326.9	2362.1	2336.3	2229.6	2101.9	2057.4	2057.4
37.5°	2288.0	2295.2	2349.8	2430.6	2493.6	2512.3	2461.9	2351.9	2222.4	2159.4	2160.7
40°	2448.8	2468.3	2529.6	2612.5	2674.7	2679.8	2613.0	2491.5	2356.6	2291.4	2299.0
42.5°	2616.8	2635.8	2709.0	2802.9	2857.9	2866.4	2788.1	2648.1	2508.0	2455.1	2463.6
45°	2766.5	2781.8	2866.4	2975.5	3044.1	3066.1	2973.4	2827.5	2671.8	2620.1	2622.3
47.5°	2871.0	2890.9	2984.0	3112.6	3212.5	3246.3	3155.3	3002.2	2833.0	2770.3	2775.8
50°	2965.8	2976.4	3070.7	3211.2	3338.1	3407.9	3330.1	3174.8	2995.8	2929.4	2935.3
52.5°	3018.7	3032.2	3123.6	3270.0	3420.2	3532.7	3485.3	3330.1	3153.2	3088.5	3095.7
55°	2981.9	2992.0	3101.6	3283.1	3471.0	3609.7	3616.9	3482.0	3307.6	3251.0	3271.3
57.5°	2814.3	2827.0	2960.7	3198.5	3477.3	3661.8	3715.9	3622.8	3451.9	3405.8	3417.7
60°	2552.4	2560.5	2703.1	2970.5	3353.8	3683.3	3779.0	3737.9	3593.2	3547.1	3563.2
62.5°	2085.8	2097.6	2268.1	2626.5	3092.7	3619.5	3839.9	3833.1	3724.8	3682.5	3696.9
65°	1425.8	1446.5	1635.2	2088.3	2690.4	3424.0	3895.3	3944.0	3841.2	3787.8	3806.9
67.5°	861.0	876.2	1012.9	1378.8	2058.7	3029.7	3838.2	4070.0	3923.2	3837.3	3853.0
68°	769.6	783.5	897.8	1244.3	1904.3	2918.4	3786.2	4084.4	3932.1	3836.5	3850.5
70°	465.0	474.3	550.9	769.2	1269.7	2315.1	3431.2	4072.6	3988.8	3848.3	3856.4
72.5°	302.9	305.9	318.6	394.7	648.6	1294.6	2575.3	3795.0	4073.8	3917.3	3916.0
75°	251.7	250.0	251.3	260.2	319.8	567.8	1504.9	2998.0	3883.5	3808.6	3781.9
77.5°	212.8	211.5	211.1	211.5	214.1	274.2	653.2	1867.5	2971.7	3369.0	3392.7
80°	172.2	170.5	176.0	173.5	165.8	170.5	273.7	776.8	1400.8	1507.0	1412.2
82.5°	125.2	118.9	142.6	135.8	129.5	120.2	151.0	250.9	334.2	229.3	161.2
85°	96.5	89.7	108.3	104.1	88.8	61.3	89.7	122.7	135.4	77.4	60.9
87.5°	39.3	41.5	78.3	61.8	52.0	29.6	36.8	49.1	66.0	33.0	25.4
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)