

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: P386994

Luminaire Tested: GAW-SA2D-727-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-727-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14225 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

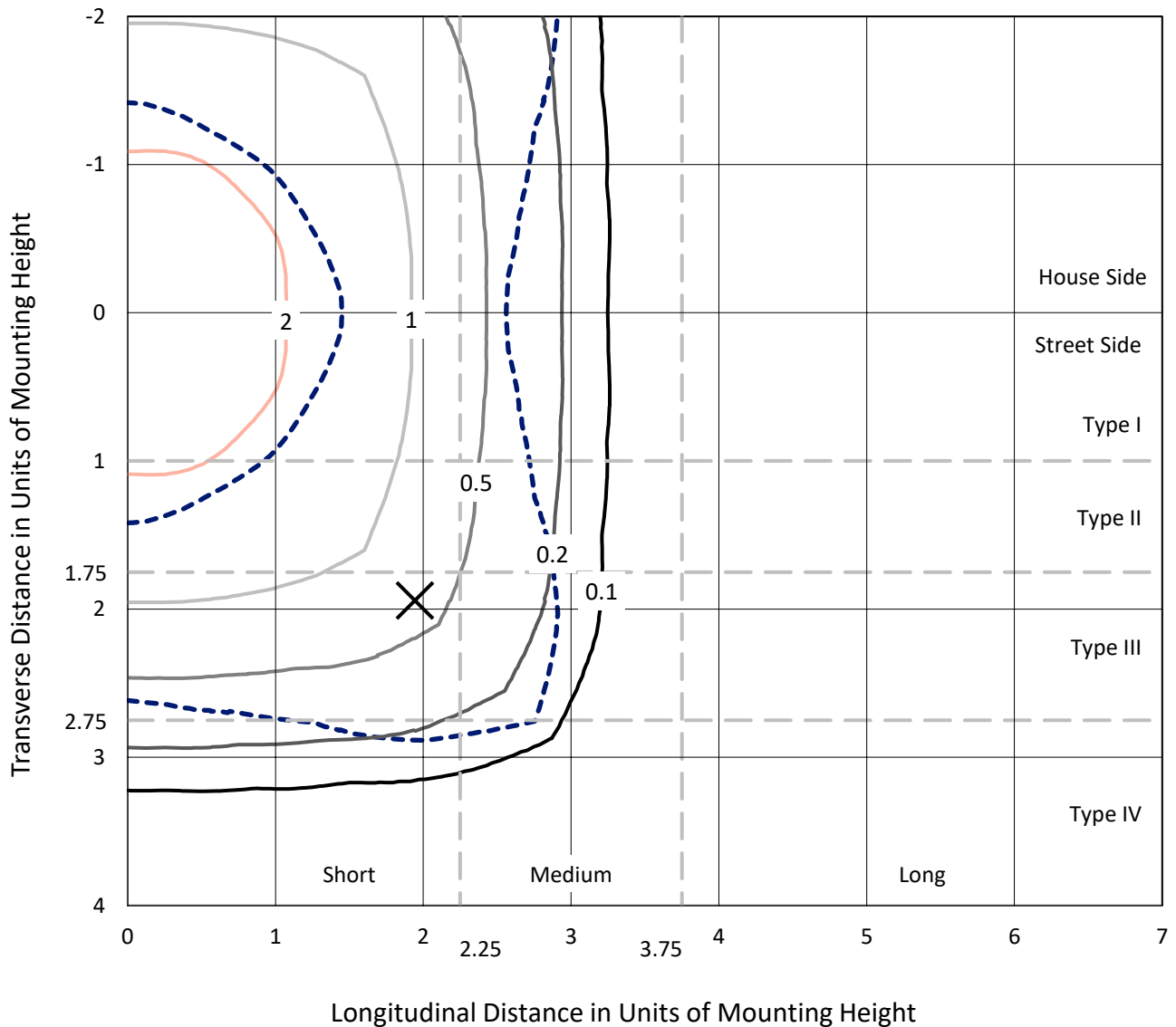
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

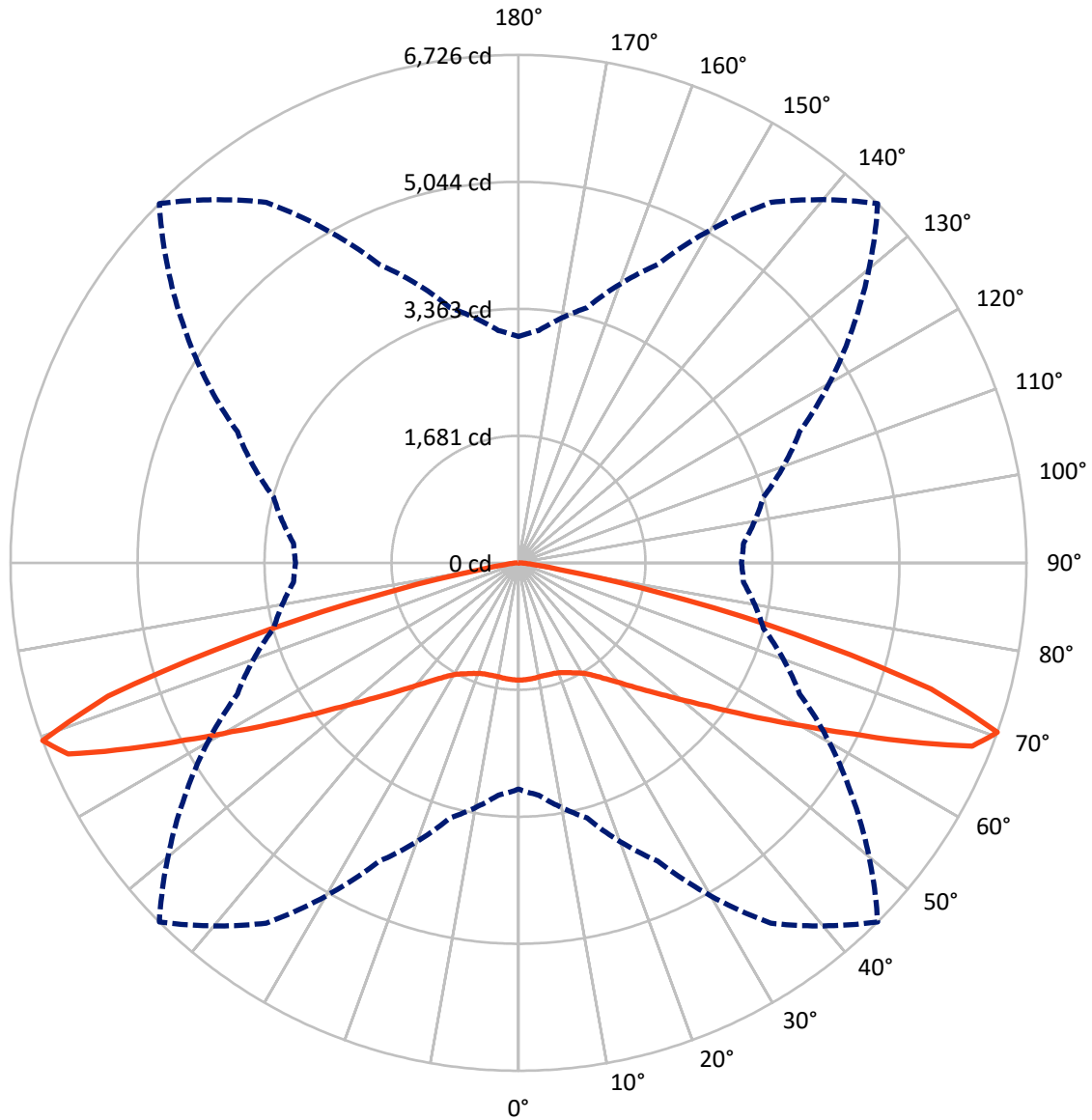
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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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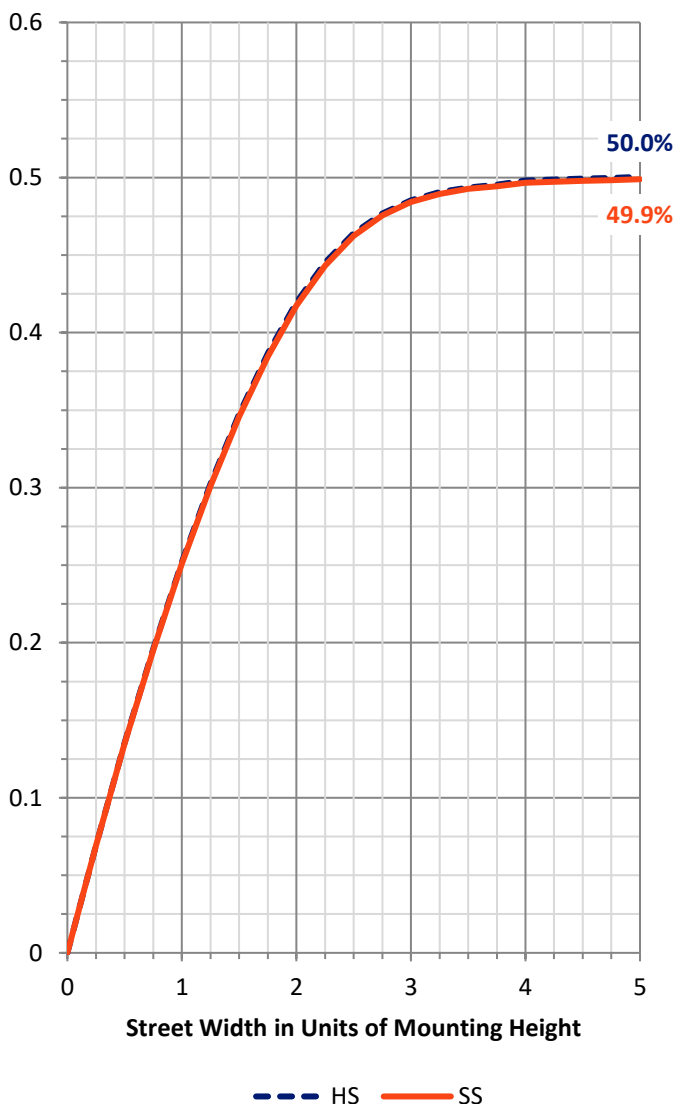
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7112.5	0.0	7112.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7112.5	0.0	7112.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14225.0	0.0	14225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.0
10°-20°	432.0	3.0
20°-30°	735.4	5.2
30°-40°	1166.3	8.2
40°-50°	1897.9	13.3
50°-60°	3129.2	22.0
60°-70°	4593.8	32.3
70°-80°	2031.4	14.3
80°-90°	92.0	0.6
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°	14225.0	100.0
0°-180°	14225.0	100.0

Coefficient of Utilization



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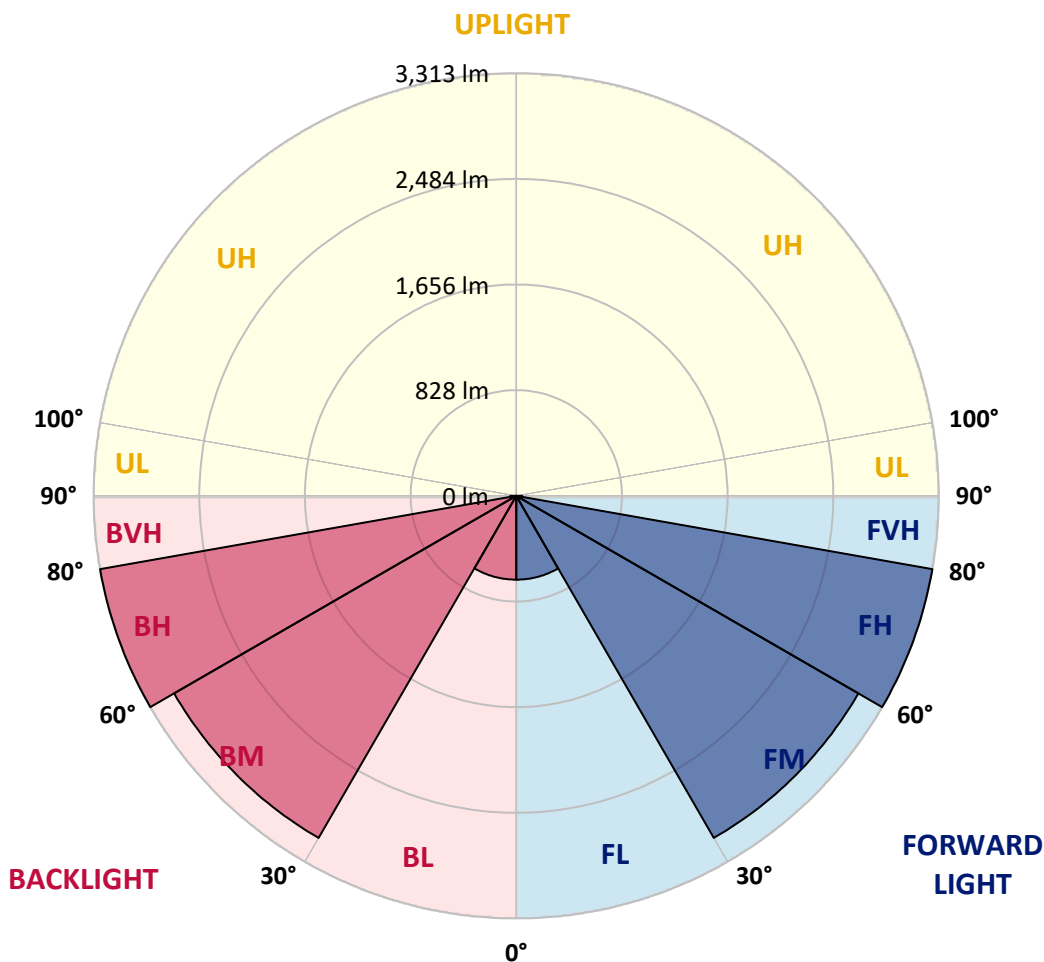
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.2	4.6			
FM (30°-60°)	3096.7	21.8			
FH (60°-80°)	3312.6	23.3			G2/5000
FVH (80°-90°)	46.0	0.3			G1/100
BL (0°-30°)	657.2	4.6	B2/1000		
BM (30°-60°)	3096.7	21.8	B3/5000		
BH (60°-80°)	3312.6	23.3	B4/5000		G2/5000
BVH (80°-90°)	46.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
2.5°	1551.2	1549.8	1553.1	1552.6	1549.8	1550.3	1550.3	1551.7	1551.7	1550.8	1550.8
5°	1545.6	1544.6	1548.4	1548.4	1545.6	1546.5	1547.5	1548.9	1548.4	1547.5	1547.0
7.5°	1538.5	1538.1	1541.8	1541.8	1539.9	1540.9	1539.9	1540.4	1539.5	1538.5	1537.1
10°	1526.8	1527.7	1531.0	1531.9	1531.9	1532.4	1531.5	1529.1	1527.7	1526.3	1524.9
12.5°	1515.9	1515.5	1520.2	1522.5	1526.3	1530.5	1527.7	1521.1	1518.3	1515.5	1514.5
15°	1508.9	1509.3	1514.0	1518.3	1524.9	1533.8	1530.5	1520.2	1514.5	1511.2	1510.3
17.5°	1507.5	1508.4	1514.5	1522.0	1529.1	1539.0	1537.1	1526.8	1517.3	1511.2	1509.8
20°	1510.7	1511.2	1520.6	1531.5	1543.7	1553.1	1548.9	1537.6	1524.9	1515.5	1513.1
22.5°	1516.9	1518.8	1530.5	1547.5	1566.3	1579.0	1573.8	1554.5	1534.8	1523.0	1519.7
25°	1536.2	1536.6	1552.6	1575.7	1598.3	1612.9	1606.8	1579.5	1554.1	1540.9	1536.6
27.5°	1576.2	1577.6	1593.6	1620.4	1639.7	1649.2	1645.4	1623.3	1601.6	1587.5	1588.9
30°	1634.1	1636.0	1653.9	1683.5	1695.3	1697.7	1696.7	1686.4	1666.6	1647.7	1649.2
32.5°	1704.7	1705.7	1729.7	1756.5	1765.9	1767.8	1765.9	1756.5	1733.0	1707.5	1709.0
35°	1795.6	1798.4	1821.5	1847.4	1854.9	1858.7	1855.4	1843.1	1818.6	1793.7	1792.8
37.5°	1907.6	1908.1	1932.1	1958.9	1968.4	1969.3	1965.5	1957.5	1926.9	1904.3	1902.9
40°	2037.6	2039.4	2067.7	2096.4	2100.2	2095.9	2101.1	2096.4	2064.9	2039.0	2043.2
42.5°	2195.7	2200.0	2233.9	2262.1	2251.3	2248.9	2252.2	2253.6	2228.2	2196.7	2193.9
45°	2379.8	2383.6	2426.0	2448.6	2441.5	2426.0	2432.5	2443.8	2408.5	2369.5	2373.2
47.5°	2589.8	2599.2	2644.4	2665.6	2648.2	2627.0	2639.7	2656.6	2615.2	2566.7	2564.4
50°	2823.3	2835.1	2895.3	2925.0	2907.6	2868.5	2889.7	2901.0	2841.2	2778.6	2773.4
52.5°	3072.3	3084.1	3159.9	3221.1	3209.8	3149.1	3178.7	3167.0	3098.2	3014.0	3007.4
55°	3354.3	3359.1	3441.0	3539.8	3551.1	3506.4	3504.5	3485.2	3383.5	3286.1	3281.4
57.5°	3644.3	3647.6	3753.6	3870.3	3923.5	3923.5	3870.8	3829.8	3694.7	3581.7	3570.0
60°	3957.4	3969.2	4086.4	4245.1	4369.4	4406.1	4312.9	4201.3	4054.4	3916.5	3902.8
62.5°	4236.1	4249.8	4429.1	4665.5	4865.1	4998.8	4770.9	4589.2	4321.8	4100.5	4074.6
65°	4271.4	4308.2	4569.4	4997.4	5444.2	5711.1	5274.2	4826.5	4339.2	4031.8	4005.4
67.5°	3900.9	3963.1	4316.2	4982.3	5905.5	6478.5	5595.8	4690.9	4026.6	3686.7	3657.5
70°	2997.5	3087.9	3495.1	4358.1	5826.0	6725.6	5394.3	4106.7	3357.2	2991.4	2950.4
72.5°	1644.5	1681.6	2047.9	2984.3	4670.7	5715.3	4499.3	3036.6	2226.3	1811.6	1742.8
75°	521.6	534.8	721.2	1221.2	2642.0	3785.6	2858.1	1490.5	820.6	605.0	597.9
77.5°	231.6	233.0	260.8	356.4	910.0	1918.0	1093.2	405.8	279.6	244.3	252.3
80°	146.4	146.4	161.5	176.5	247.6	556.9	295.7	193.0	164.8	153.0	156.3
82.5°	70.1	77.7	105.0	113.0	136.1	187.4	151.6	126.2	110.2	81.9	76.3
85°	46.1	38.6	66.4	74.9	79.1	89.9	88.0	83.3	72.0	41.0	45.7
87.5°	20.7	19.8	34.4	31.5	29.7	22.6	33.9	41.9	40.5	20.2	20.2
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)