

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: P387022

Luminaire Tested: GAW-SA2D-730-U-5MQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387022  
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-730-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 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: 15491 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

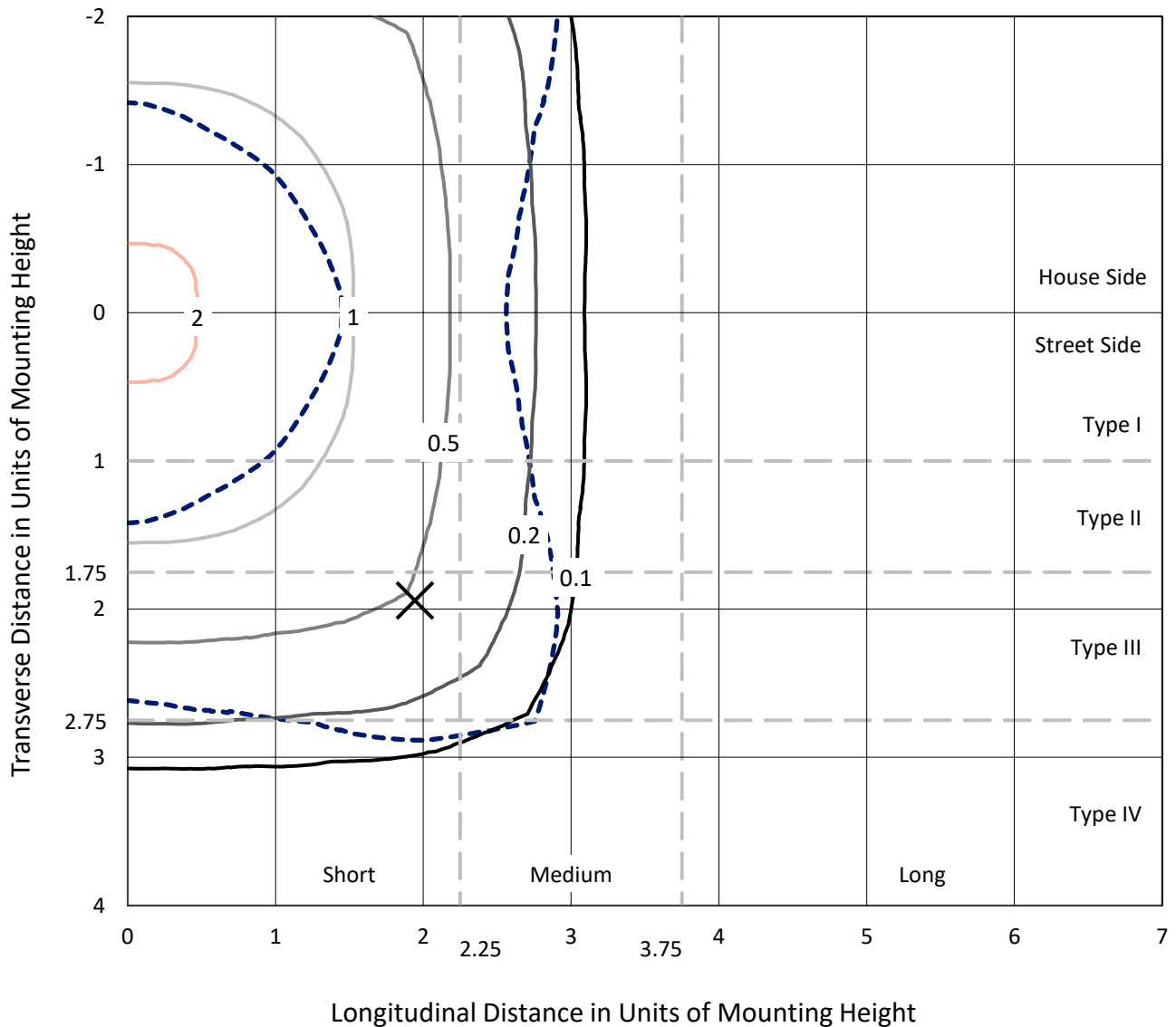
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

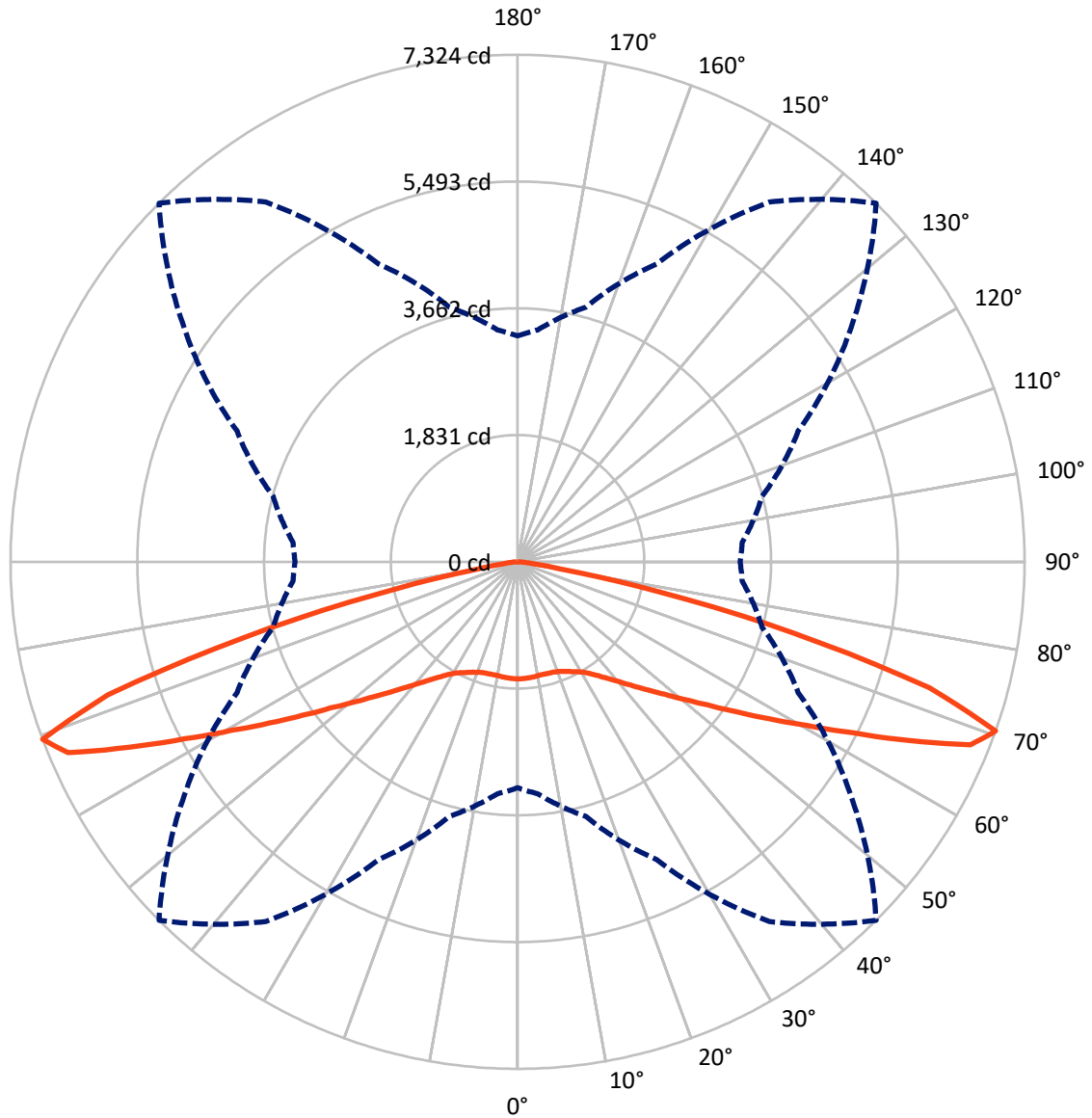
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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
<b>House Side</b>	Lumens	7745.5	0.0	7745.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7745.5	0.0	7745.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15491.0	0.0	15491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	1.0
10°-20°	470.4	3.0
20°-30°	800.8	5.2
30°-40°	1270.1	8.2
40°-50°	2066.8	13.3
50°-60°	3407.7	22.0
60°-70°	5002.6	32.3
70°-80°	2212.2	14.3
80°-90°	100.2	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°	15491.0	100.0
0°-180°	15491.0	100.0

**Coefficient of Utilization**



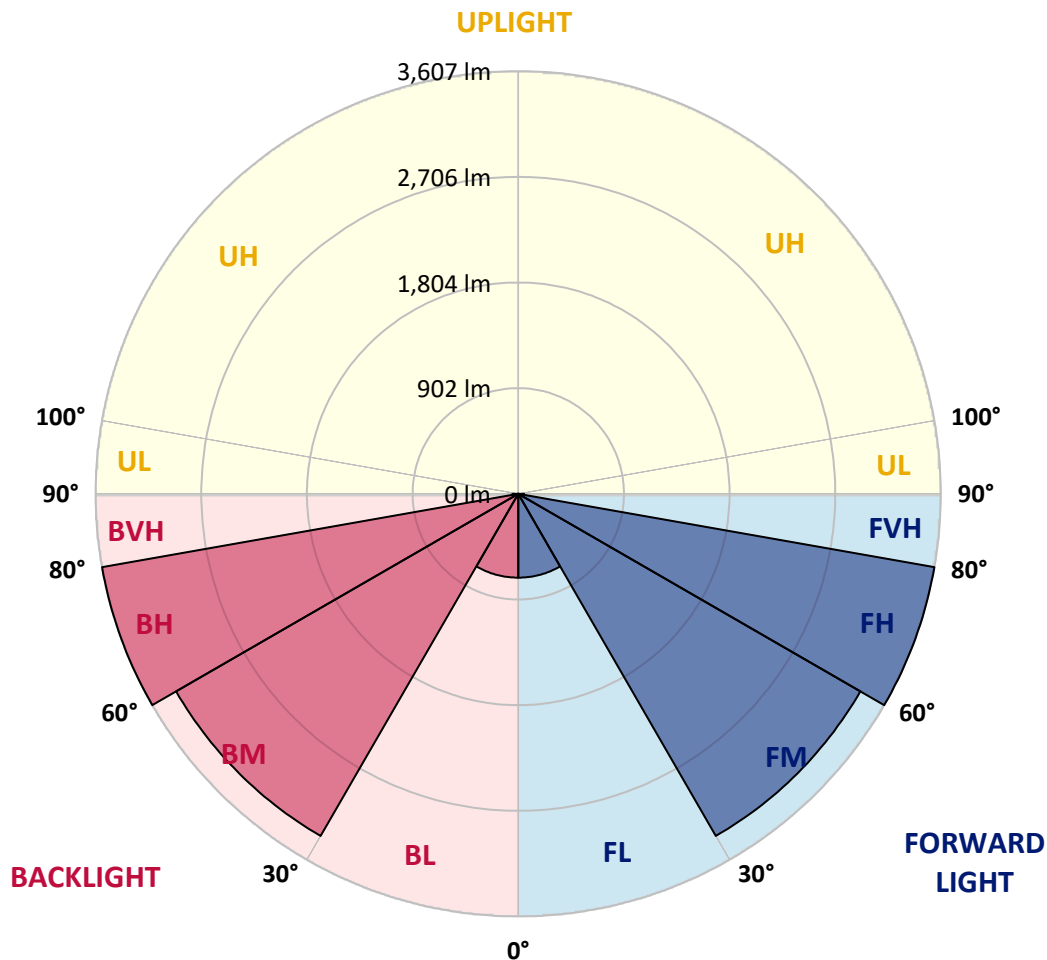
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.7	4.6			
FM (30°-60°)	3372.3	21.8			
FH (60°-80°)	3607.4	23.3			G2/5000
FVH (80°-90°)	50.1	0.3			G1/100
BL (0°-30°)	715.7	4.6	B2/1000		
BM (30°-60°)	3372.3	21.8	B3/5000		
BH (60°-80°)	3607.4	23.3	B4/5000		G2/5000
BVH (80°-90°)	50.1	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°	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9	1691.9
2.5°	1689.3	1687.8	1691.3	1690.8	1687.8	1688.3	1688.3	1689.8	1689.8	1688.8	1688.8
5°	1683.1	1682.1	1686.2	1686.2	1683.1	1684.2	1685.2	1686.7	1686.2	1685.2	1684.7
7.5°	1675.5	1674.9	1679.0	1679.0	1677.0	1678.0	1677.0	1677.5	1676.5	1675.5	1673.9
10°	1662.6	1663.7	1667.2	1668.3	1668.3	1668.8	1667.8	1665.2	1663.7	1662.1	1660.6
12.5°	1650.8	1650.3	1655.5	1658.0	1662.1	1666.7	1663.7	1656.5	1653.4	1650.3	1649.3
15°	1643.2	1643.7	1648.8	1653.4	1660.6	1670.3	1666.7	1655.5	1649.3	1645.7	1644.7
17.5°	1641.6	1642.6	1649.3	1657.5	1665.2	1676.0	1673.9	1662.6	1652.4	1645.7	1644.2
20°	1645.2	1645.7	1656.0	1667.8	1681.1	1691.3	1686.7	1674.4	1660.6	1650.3	1647.8
22.5°	1651.9	1653.9	1666.7	1685.2	1705.7	1719.5	1713.9	1692.9	1671.4	1658.5	1654.9
25°	1672.9	1673.4	1690.8	1716.0	1740.6	1756.5	1749.8	1720.1	1692.4	1678.0	1673.4
27.5°	1716.5	1718.0	1735.4	1764.7	1785.7	1795.9	1791.8	1767.7	1744.2	1728.8	1730.3
30°	1779.5	1781.6	1801.1	1833.4	1846.2	1848.7	1847.7	1836.4	1814.9	1794.4	1795.9
32.5°	1856.4	1857.5	1883.6	1912.8	1923.1	1925.1	1923.1	1912.8	1887.2	1859.5	1861.0
35°	1955.4	1958.5	1983.6	2011.8	2020.0	2024.1	2020.5	2007.2	1980.5	1953.3	1952.3
37.5°	2077.4	2077.9	2104.1	2133.3	2143.5	2144.6	2140.5	2131.7	2098.4	2073.8	2072.3
40°	2218.9	2220.9	2251.7	2283.0	2287.1	2282.5	2288.1	2283.0	2248.6	2220.4	2225.0
42.5°	2391.2	2395.8	2432.7	2463.4	2451.7	2449.1	2452.7	2454.2	2426.5	2392.2	2389.1
45°	2591.6	2595.7	2641.9	2666.5	2658.8	2641.9	2649.0	2661.3	2622.9	2580.3	2584.4
47.5°	2820.3	2830.5	2879.7	2902.8	2883.8	2860.8	2874.6	2893.1	2848.0	2795.2	2792.6
50°	3074.6	3087.4	3153.0	3185.3	3166.3	3123.8	3146.9	3159.2	3094.0	3025.9	3020.2
52.5°	3345.8	3358.6	3441.1	3507.8	3495.5	3429.3	3461.6	3448.8	3374.0	3282.2	3275.0
55°	3652.9	3658.0	3747.2	3854.9	3867.2	3818.5	3816.4	3795.4	3684.7	3578.5	3573.4
57.5°	3968.7	3972.3	4087.6	4214.8	4272.7	4272.7	4215.3	4170.7	4023.5	3900.5	3887.7
60°	4309.6	4322.4	4450.1	4622.9	4758.2	4798.2	4696.7	4575.2	4415.2	4265.0	4250.2
62.5°	4613.1	4628.0	4823.3	5080.7	5298.1	5443.7	5195.5	4997.6	4706.4	4465.5	4437.3
65°	4651.6	4691.6	4976.1	5442.1	5928.7	6219.4	5743.6	5256.0	4725.4	4390.6	4361.9
67.5°	4248.1	4315.8	4700.3	5425.7	6431.1	7055.0	6093.8	5108.4	4385.0	4014.8	3983.0
70°	3264.3	3362.7	3806.2	4745.9	6344.5	7324.2	5874.3	4472.1	3656.0	3257.6	3213.0
72.5°	1790.8	1831.3	2230.2	3249.9	5086.3	6224.0	4899.7	3306.8	2424.5	1972.8	1898.0
75°	568.1	582.4	785.4	1329.9	2877.2	4122.5	3112.5	1623.2	893.6	658.8	651.1
77.5°	252.2	253.8	284.0	388.1	991.0	2088.7	1190.5	441.9	304.5	266.1	274.8
80°	159.4	159.4	175.9	192.3	269.7	606.5	322.0	210.2	179.4	166.6	170.2
82.5°	76.4	84.6	114.3	123.0	148.2	204.0	165.1	137.4	120.0	89.2	83.1
85°	50.2	42.0	72.3	81.5	86.1	97.9	95.9	90.7	78.4	44.6	49.7
87.5°	22.6	21.5	37.4	34.3	32.3	24.6	36.9	45.6	44.1	22.0	22.0
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)