

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: P387027

Luminaire Tested: GAW-SA2D-730-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387027
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-SA2D-730-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15075 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

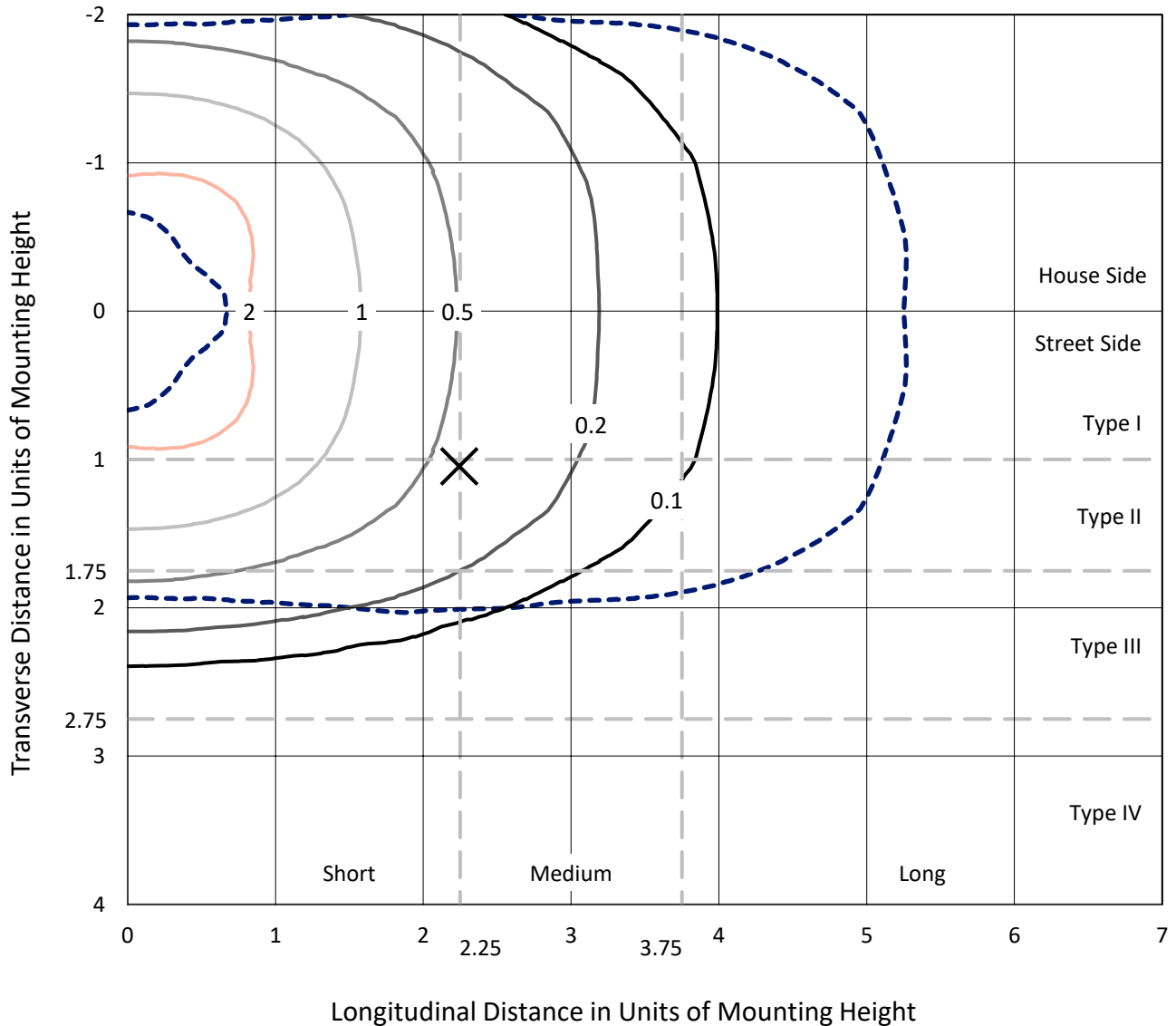
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

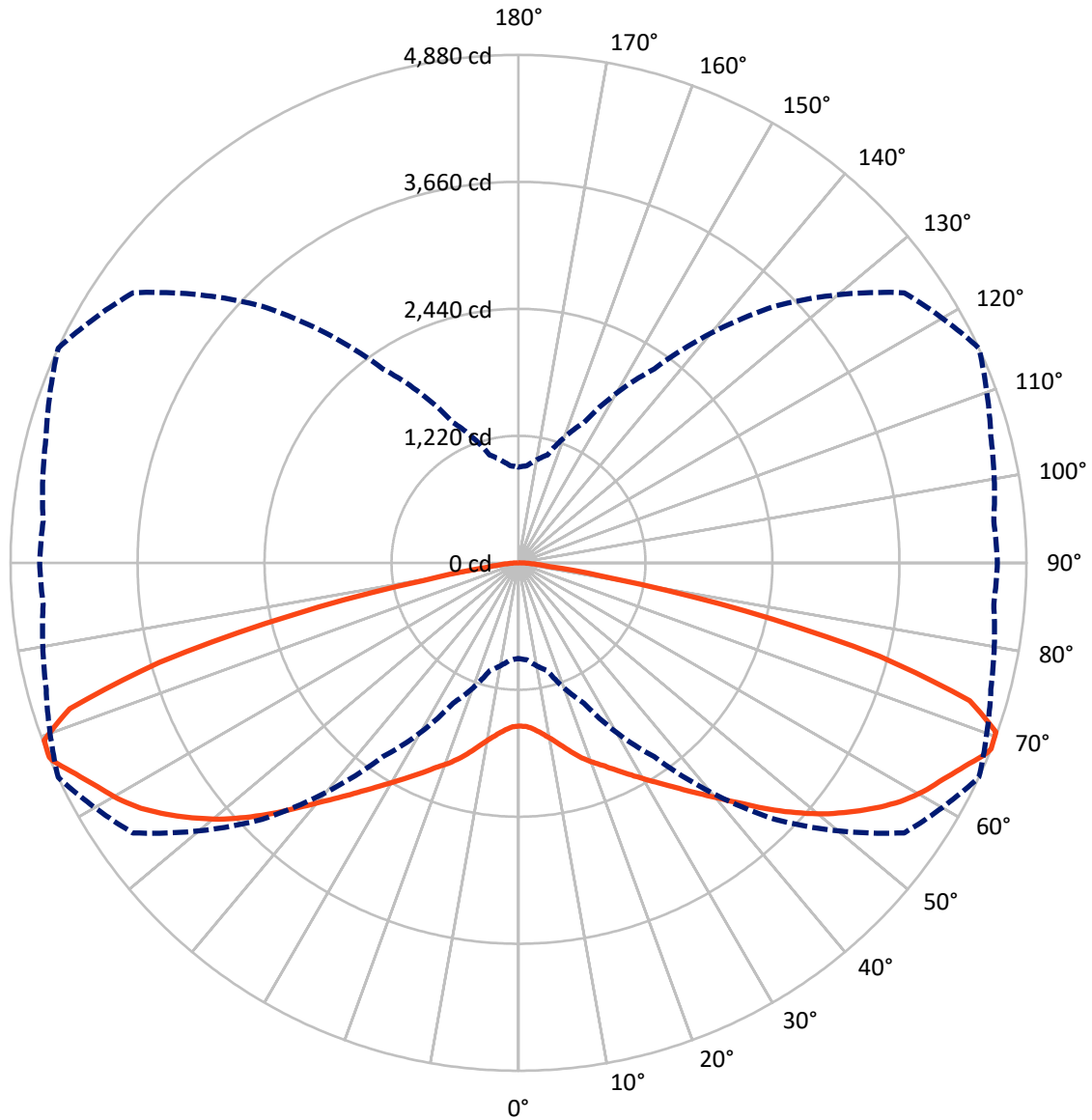
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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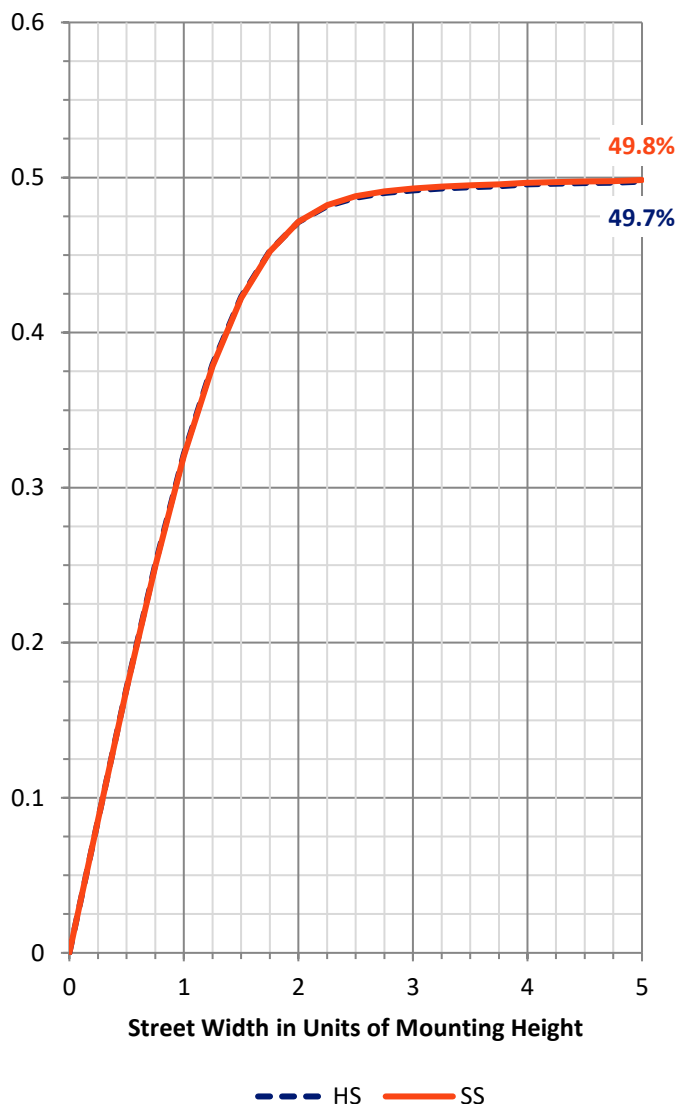
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7537.5	0.0	7537.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7537.5	0.0	7537.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15075.0	0.0	15075.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	1.0
10°-20°	513.9	3.4
20°-30°	1001.9	6.6
30°-40°	1683.1	11.2
40°-50°	2652.0	17.6
50°-60°	3546.6	23.5
60°-70°	3447.7	22.9
70°-80°	1884.7	12.5
80°-90°	191.7	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°	15075.0	100.0
0°-180°	15075.0	100.0

Coefficient of Utilization



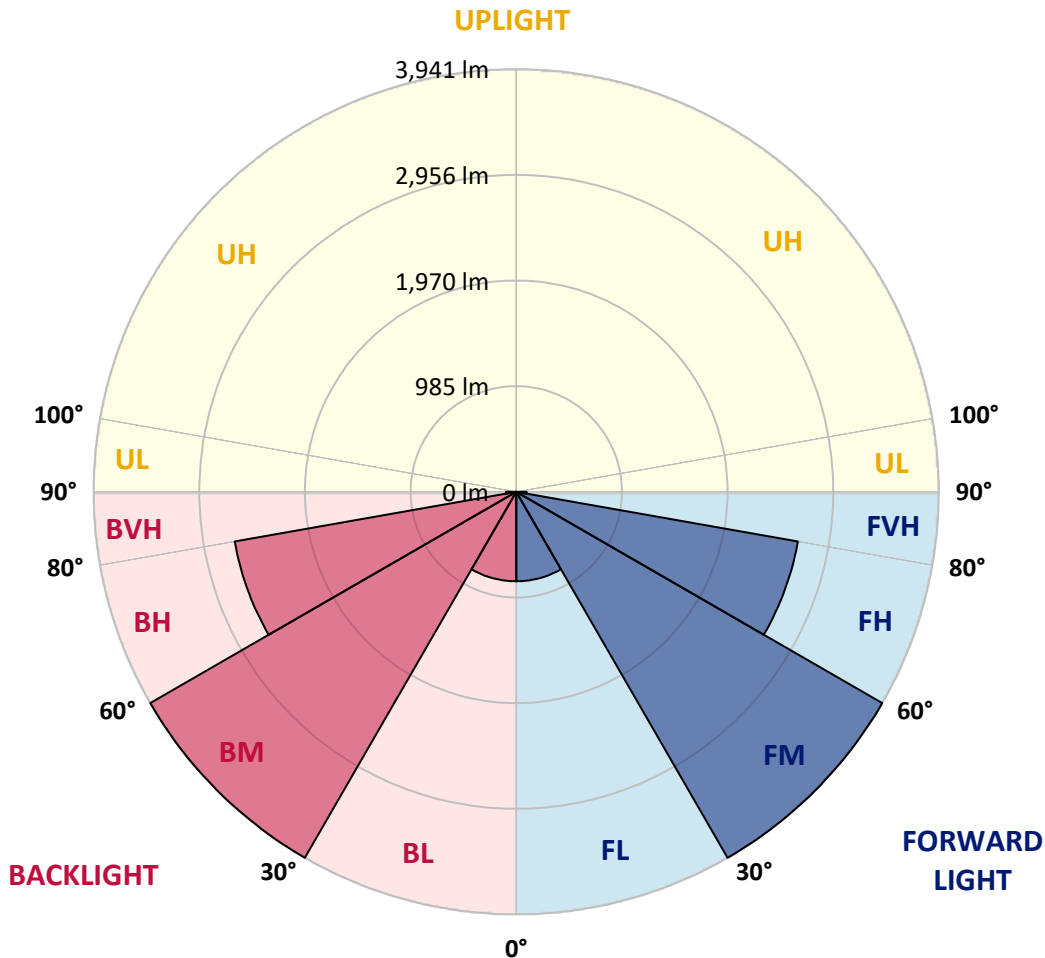
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	834.6	5.5			
FM	(30°-60°)	3940.8	26.1			
FH	(60°-80°)	2666.2	17.7			G2/5000
FVH	(80°-90°)	95.8	0.6			G1/100
BL	(0°-30°)	834.6	5.5	B2/1000		
BM	(30°-60°)	3940.8	26.1	B3/5000		
BH	(60°-80°)	2666.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	95.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4	1567.4
2.5°	1556.3	1556.8	1559.4	1562.4	1564.9	1571.5	1573.0	1575.5	1576.5	1579.1	1579.1
5°	1542.7	1543.7	1549.8	1557.8	1566.9	1583.1	1594.7	1607.9	1614.5	1621.5	1621.0
7.5°	1541.2	1543.7	1552.3	1565.4	1580.6	1607.4	1631.6	1657.9	1675.6	1691.8	1690.8
10°	1556.8	1560.9	1573.0	1592.7	1615.5	1648.8	1684.7	1720.1	1750.9	1775.7	1776.7
12.5°	1580.6	1585.6	1604.8	1634.7	1669.0	1712.0	1754.5	1794.4	1836.9	1873.8	1876.8
15°	1611.9	1618.5	1647.3	1691.8	1744.4	1795.4	1840.9	1881.8	1930.9	1981.9	1987.0
17.5°	1658.4	1667.5	1705.4	1765.6	1834.8	1890.9	1938.5	1969.3	2010.2	2062.8	2072.4
20°	1729.2	1740.8	1788.8	1860.6	1945.0	2003.7	2040.1	2046.6	2066.8	2113.9	2125.0
22.5°	1821.2	1831.3	1884.9	1970.3	2064.8	2128.5	2147.7	2121.4	2119.4	2157.3	2167.9
25°	1923.8	1932.9	1995.1	2091.1	2192.7	2263.0	2262.5	2211.4	2176.0	2205.3	2216.5
27.5°	2039.0	2053.2	2112.8	2213.9	2322.6	2391.9	2387.8	2309.0	2241.7	2249.3	2258.9
30°	2171.5	2187.1	2245.3	2347.9	2456.6	2524.3	2519.2	2415.1	2314.0	2293.8	2300.9
32.5°	2335.8	2354.5	2409.5	2510.6	2606.7	2667.8	2653.2	2530.4	2401.0	2357.0	2363.6
35°	2533.4	2544.5	2602.6	2702.2	2780.1	2822.0	2791.2	2663.8	2511.1	2458.1	2458.1
37.5°	2733.6	2742.1	2807.3	2903.9	2979.2	3001.4	2941.3	2809.9	2655.2	2579.9	2581.4
40°	2925.6	2948.9	3022.2	3121.2	3195.5	3201.6	3121.7	2976.7	2815.4	2737.6	2746.7
42.5°	3126.3	3149.0	3236.5	3348.7	3414.4	3424.5	3331.0	3163.7	2996.4	2933.2	2943.3
45°	3305.2	3323.4	3424.5	3554.9	3636.8	3663.1	3552.4	3378.0	3192.0	3130.3	3132.9
47.5°	3430.1	3453.8	3565.0	3718.7	3838.0	3878.4	3769.8	3586.8	3384.6	3309.8	3316.4
50°	3543.3	3555.9	3668.7	3836.5	3988.1	4071.5	3978.5	3793.0	3579.2	3499.8	3506.9
52.5°	3606.5	3622.7	3731.8	3906.7	4086.2	4220.6	4164.0	3978.5	3767.2	3689.9	3698.5
55°	3562.5	3574.6	3705.6	3922.4	4146.8	4312.6	4321.2	4160.0	3951.7	3884.0	3908.3
57.5°	3362.3	3377.5	3537.2	3821.3	4154.4	4374.8	4439.5	4328.3	4124.1	4069.0	4083.1
60°	3049.5	3059.1	3229.4	3548.9	4006.8	4400.6	4514.8	4465.8	4292.9	4237.8	4257.0
62.5°	2491.9	2506.1	2709.8	3137.9	3694.9	4324.2	4587.6	4579.5	4450.1	4399.6	4416.7
65°	1703.4	1728.2	1953.6	2495.0	3214.2	4090.7	4653.8	4711.9	4589.1	4525.4	4548.2
67.5°	1028.6	1046.8	1210.1	1647.3	2459.6	3619.6	4585.6	4862.6	4687.2	4584.6	4603.3
68°	919.4	936.1	1072.6	1486.6	2275.1	3486.7	4523.4	4879.8	4697.8	4583.6	4600.2
70°	555.5	566.6	658.1	918.9	1516.9	2765.9	4099.3	4865.6	4765.5	4597.7	4607.3
72.5°	361.9	365.5	380.6	471.6	774.9	1546.7	3076.8	4534.0	4867.1	4680.1	4678.6
75°	300.8	298.7	300.2	310.9	382.1	678.3	1797.9	3581.7	4639.7	4550.2	4518.3
77.5°	254.2	252.7	252.2	252.7	255.8	327.5	780.4	2231.1	3550.4	4025.0	4053.3
80°	205.7	203.7	210.3	207.2	198.1	203.7	327.0	928.0	1673.6	1800.5	1687.2
82.5°	149.6	142.0	170.3	162.3	154.7	143.6	180.5	299.7	399.3	274.0	192.6
85°	115.2	107.2	129.4	124.3	106.1	73.3	107.2	146.6	161.7	92.5	72.8
87.5°	47.0	49.5	93.5	73.8	62.2	35.4	44.0	58.6	78.9	39.4	30.3
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)