

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316148

Luminaire Tested: **GAN-SA4A-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19801 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

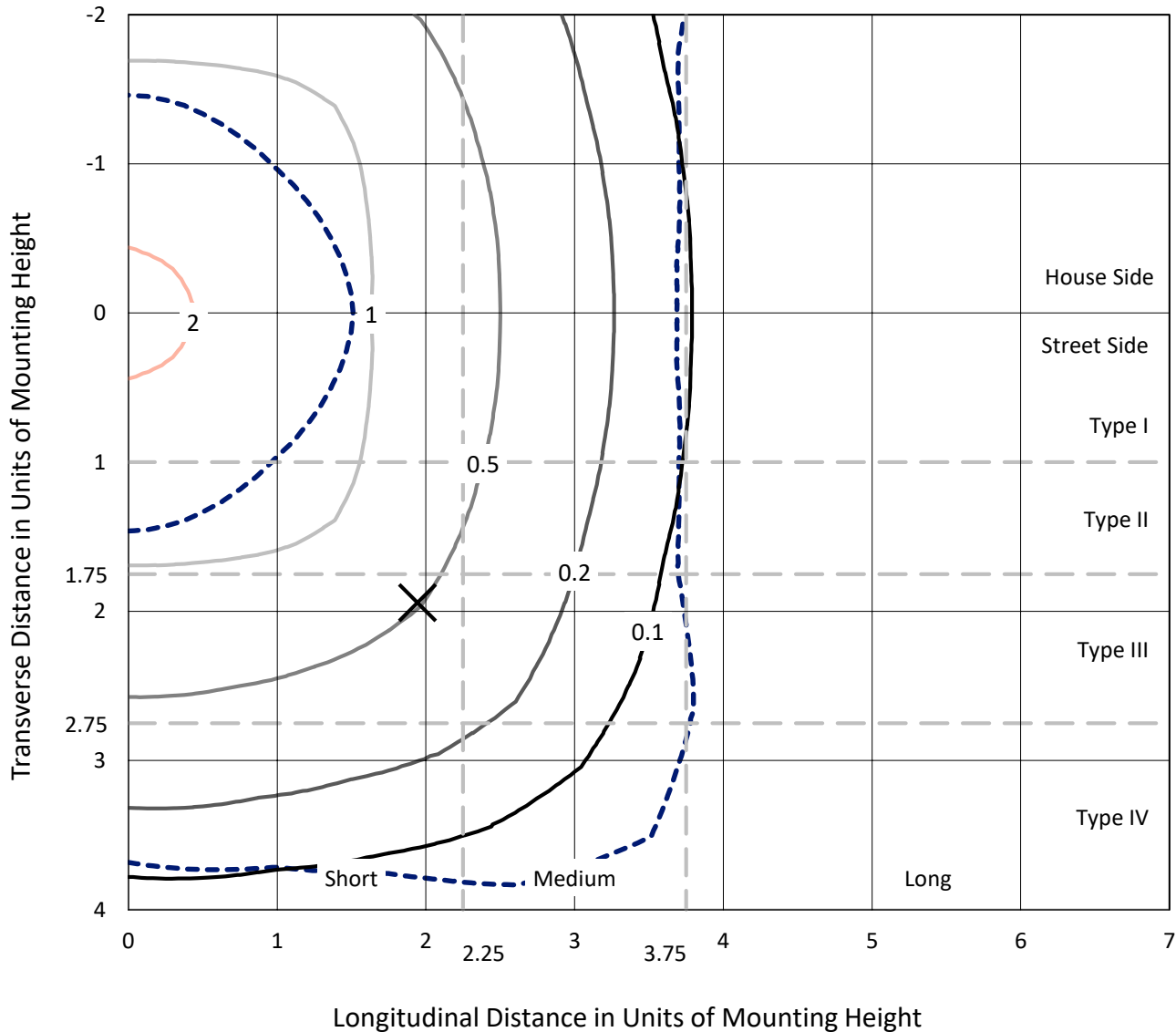
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

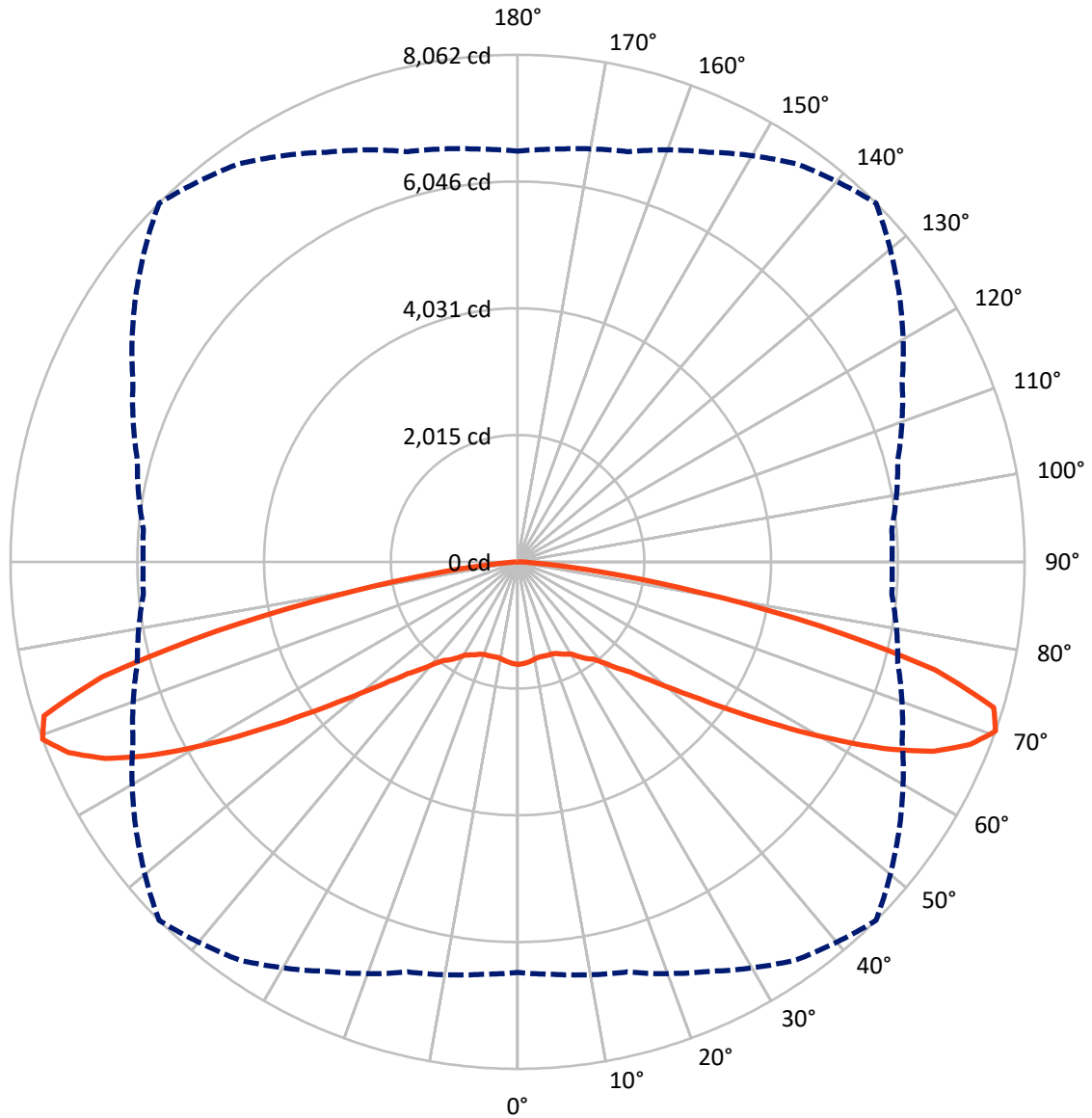
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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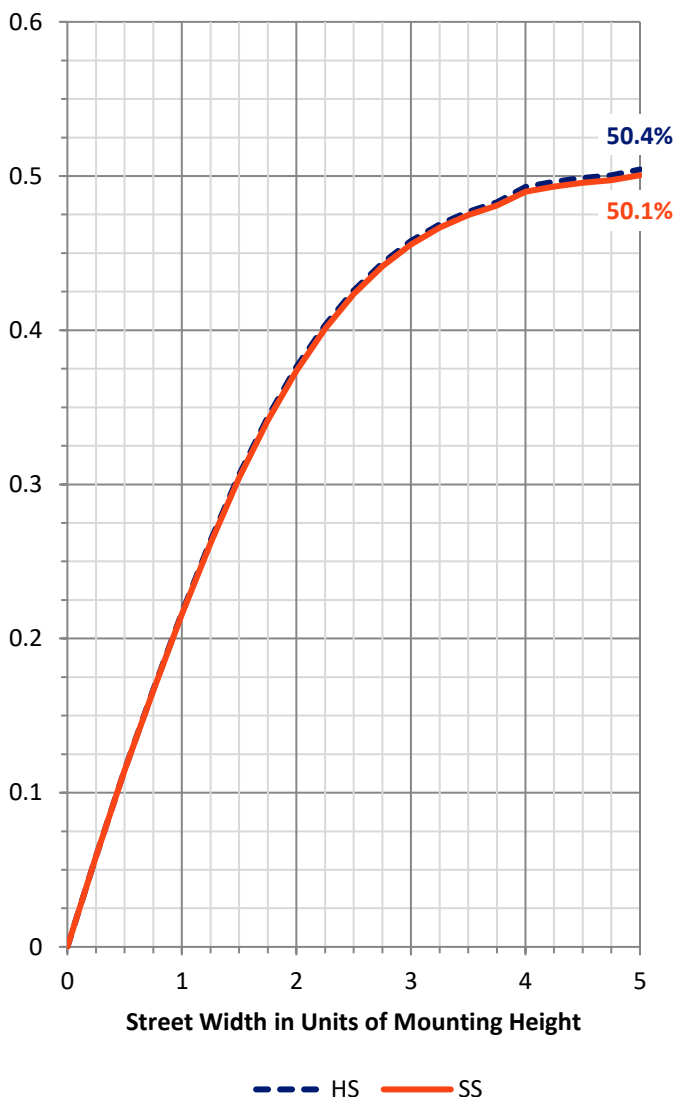
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9900.5	0.0	9900.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9900.5	0.0	9900.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19801.0	0.0	19801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	0.8
10°-20°	444.3	2.2
20°-30°	757.5	3.8
30°-40°	1183.6	6.0
40°-50°	2005.9	10.1
50°-60°	3658.0	18.5
60°-70°	6297.4	31.8
70°-80°	4936.2	24.9
80°-90°	366.0	1.8
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°	19801.0	100.0
0°-180°	19801.0	100.0

Coefficient of Utilization

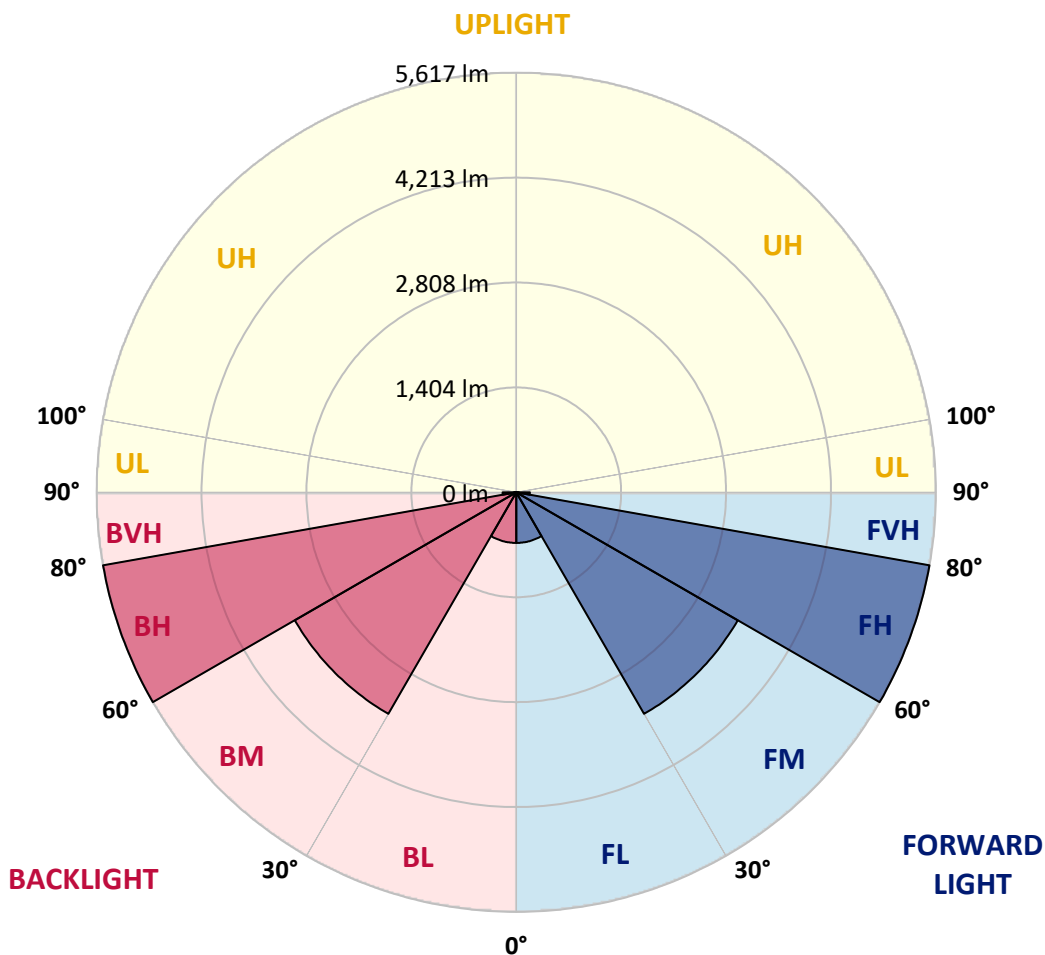


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.9	3.4			
FM (30°-60°)	3423.8	17.3			
FH (60°-80°)	5616.8	28.4			G3/7500
FVH (80°-90°)	183.0	0.9			G2/225
BL (0°-30°)	676.9	3.4	B2/1000		
BM (30°-60°)	3423.8	17.3	B3/5000		
BH (60°-80°)	5616.8	28.4	B5		G3/7500
BVH (80°-90°)	183.0	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6	1629.6
2.5°	1622.4	1624.4	1622.4	1623.7	1620.5	1621.8	1621.8	1621.8	1621.1	1621.8	1620.5
5°	1608.0	1609.3	1606.7	1608.0	1606.0	1608.0	1608.7	1608.0	1606.7	1607.4	1604.7
7.5°	1586.4	1587.7	1585.7	1587.7	1585.1	1588.4	1587.7	1585.7	1583.8	1583.8	1581.2
10°	1574.6	1575.3	1570.0	1568.1	1562.2	1563.5	1565.4	1567.4	1569.4	1573.3	1572.6
12.5°	1575.3	1575.3	1567.4	1558.9	1550.4	1552.3	1555.6	1562.8	1570.7	1577.9	1578.5
15°	1581.8	1581.2	1569.4	1555.6	1549.7	1555.6	1557.6	1562.2	1574.6	1587.1	1587.7
17.5°	1586.4	1586.4	1568.1	1552.3	1551.7	1560.9	1560.2	1562.2	1575.9	1594.3	1594.9
20°	1594.9	1594.9	1571.3	1554.3	1554.3	1564.1	1564.8	1568.1	1581.8	1602.1	1605.4
22.5°	1613.9	1614.6	1589.7	1575.9	1577.2	1583.1	1585.1	1590.3	1602.8	1625.0	1629.0
25°	1640.8	1642.1	1616.5	1608.7	1613.3	1624.4	1623.1	1627.0	1640.8	1662.4	1666.3
27.5°	1678.1	1674.8	1651.2	1648.0	1652.5	1660.4	1659.8	1660.4	1671.5	1691.2	1695.8
30°	1726.6	1725.3	1708.2	1710.2	1708.2	1705.6	1706.3	1711.5	1717.4	1733.1	1737.7
32.5°	1773.7	1775.0	1764.6	1774.4	1788.8	1798.6	1783.5	1769.1	1762.6	1771.1	1775.0
35°	1858.9	1862.1	1845.8	1839.2	1858.9	1887.7	1845.1	1821.5	1834.6	1845.8	1849.0
37.5°	2003.6	2005.6	1978.1	1951.9	1937.5	1965.0	1922.4	1924.4	1970.2	1991.2	1990.5
40°	2168.7	2169.3	2151.0	2128.1	2103.2	2109.7	2092.7	2097.9	2128.1	2147.1	2152.3
42.5°	2365.2	2363.2	2334.4	2301.6	2294.4	2301.0	2272.2	2268.2	2303.0	2337.0	2337.7
45°	2620.0	2615.4	2578.1	2542.0	2507.3	2492.9	2485.7	2504.7	2552.5	2584.0	2584.6
47.5°	2894.4	2882.0	2862.3	2833.5	2803.4	2789.0	2777.2	2786.3	2821.1	2833.5	2834.8
50°	3176.7	3179.3	3183.3	3172.1	3161.0	3156.4	3125.6	3107.9	3118.4	3095.5	3092.2
52.5°	3511.4	3516.7	3554.7	3586.7	3605.7	3615.6	3557.3	3496.4	3462.3	3417.8	3404.7
55°	3906.4	3914.9	3970.6	4059.7	4151.4	4199.8	4094.4	3980.4	3874.9	3791.8	3764.9
57.5°	4346.5	4361.6	4438.2	4609.2	4797.2	4911.8	4733.6	4526.7	4323.0	4203.1	4182.1
60°	4862.7	4877.1	4983.2	5228.2	5532.7	5705.0	5435.1	5096.5	4843.0	4728.4	4689.8
62.5°	5477.1	5478.4	5608.7	5894.9	6297.1	6536.8	6171.4	5718.8	5457.4	5319.2	5281.9
65°	6137.9	6141.2	6276.2	6585.3	7001.2	7261.9	6849.3	6377.7	6058.0	5854.3	5825.5
67.5°	6605.0	6618.7	6760.8	7132.9	7522.0	7757.1	7330.0	6796.9	6427.5	6184.5	6160.2
70°	6530.3	6584.0	6751.0	7185.3	7726.3	8061.7	7408.0	6747.1	6259.8	5972.9	5952.6
72.5°	5695.2	5798.0	6020.7	6590.5	7455.8	7917.6	6982.9	6043.0	5491.5	5247.2	5210.5
75°	3878.2	4045.2	4381.3	5203.3	6369.8	6855.2	5878.6	4818.1	4299.4	3961.4	3936.5
77.5°	1729.2	1767.2	2192.9	3139.4	4395.7	4922.9	4271.2	3151.8	2365.8	1887.0	1786.2
80°	482.1	488.0	651.1	1169.2	2200.1	2892.5	2361.9	1228.1	690.4	486.7	458.5
82.5°	153.3	166.4	203.0	303.3	739.5	1319.8	759.1	327.5	233.2	186.0	167.7
85°	74.7	74.0	102.8	123.1	188.6	292.1	201.1	152.0	133.0	88.4	79.9
87.5°	31.4	32.1	47.8	43.2	55.0	47.2	64.8	68.1	71.4	39.3	34.1
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)