

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: P316486

Luminaire Tested: **GAN-SA2C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316486
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15203 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

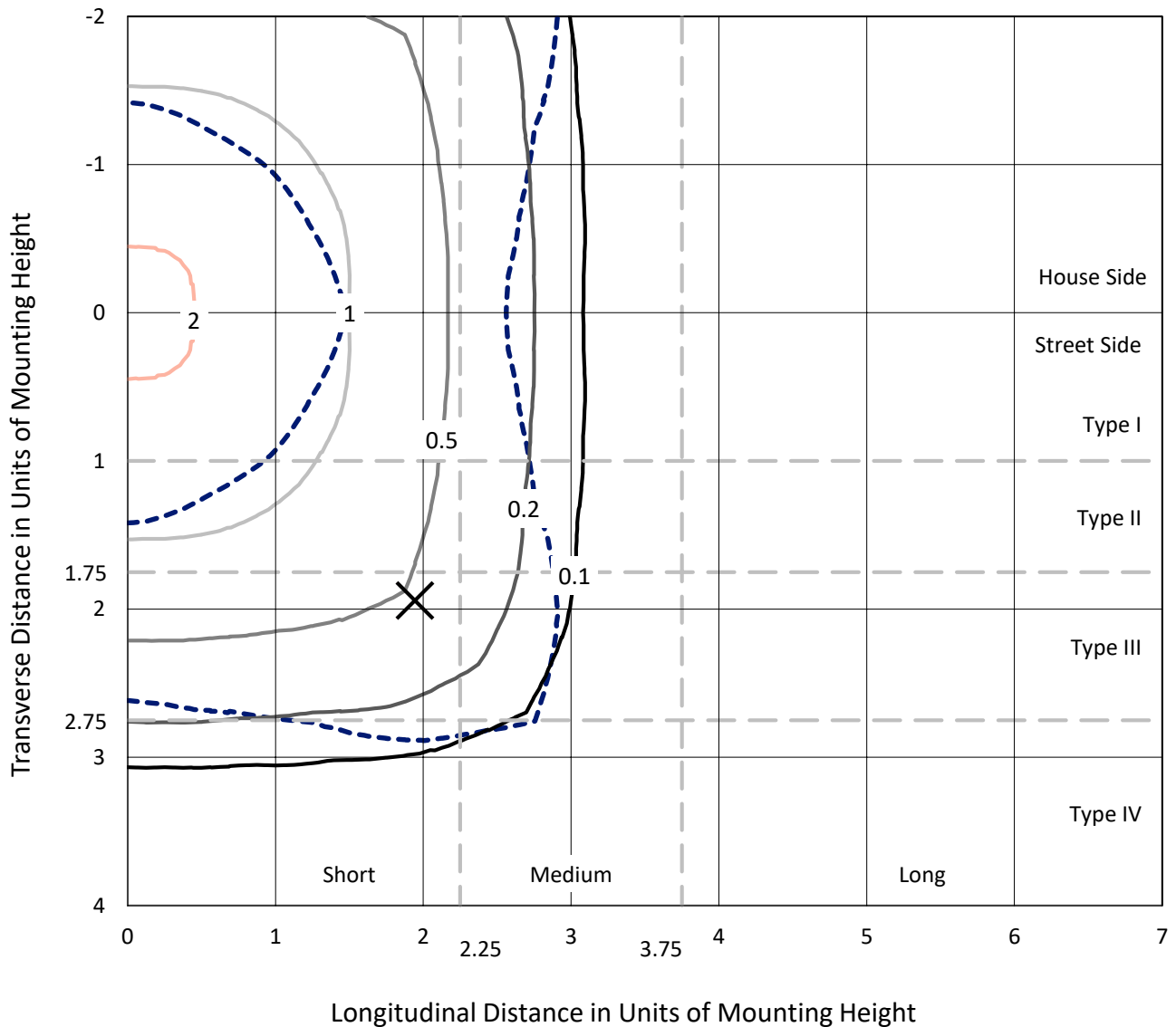
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

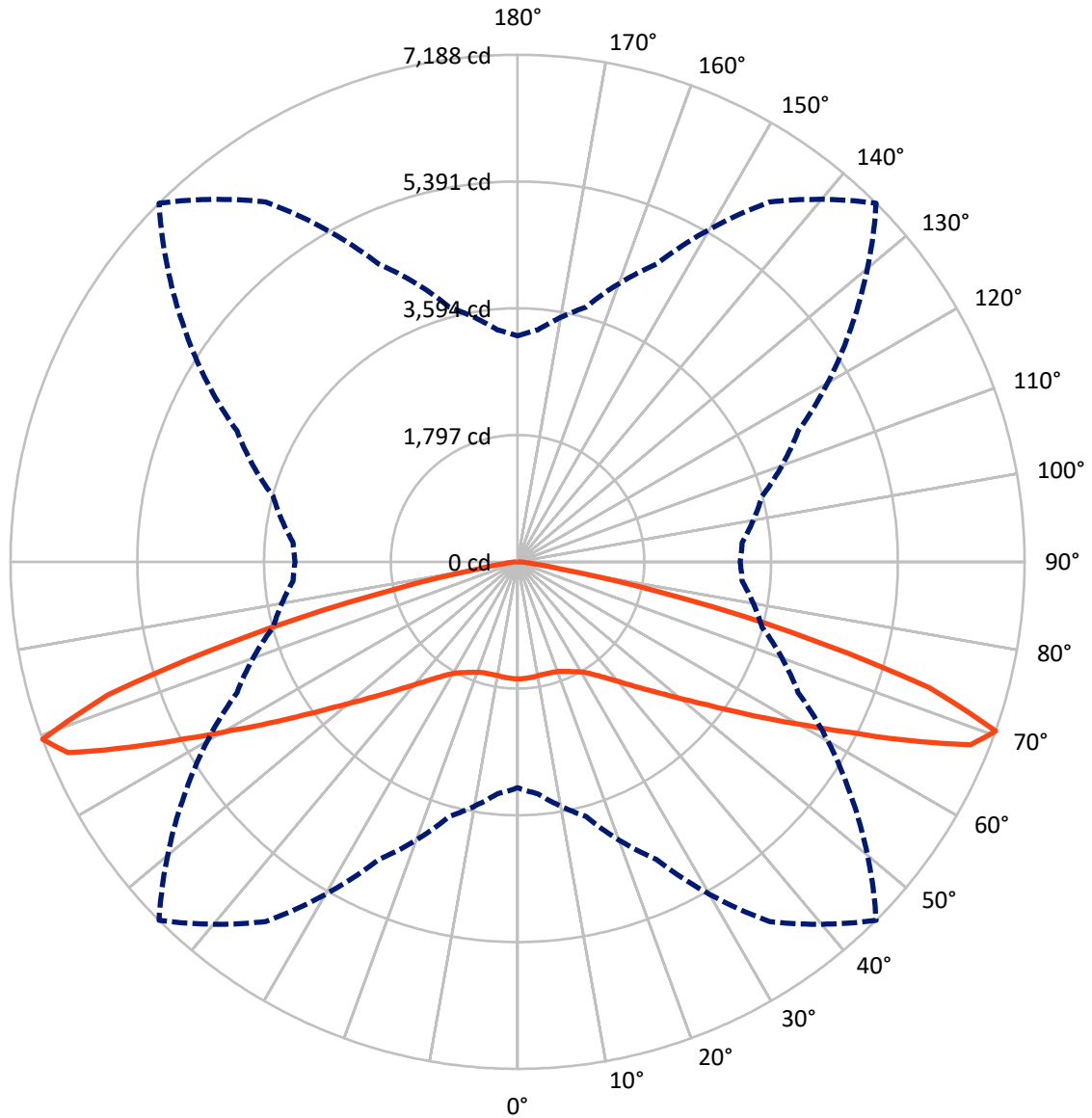
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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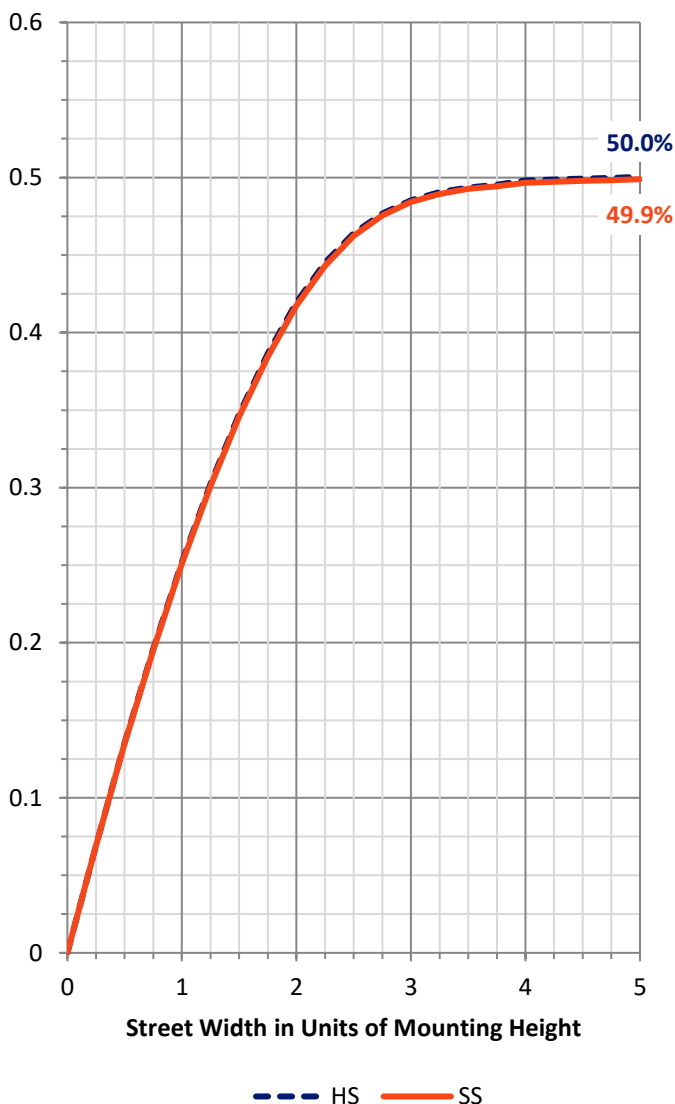
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7601.5	0.0	7601.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7601.5	0.0	7601.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15203.0	0.0	15203.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.0
10°-20°	461.7	3.0
20°-30°	785.9	5.2
30°-40°	1246.4	8.2
40°-50°	2028.3	13.3
50°-60°	3344.4	22.0
60°-70°	4909.6	32.3
70°-80°	2171.0	14.3
80°-90°	98.3	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°	15203.0	100.0
0°-180°	15203.0	100.0

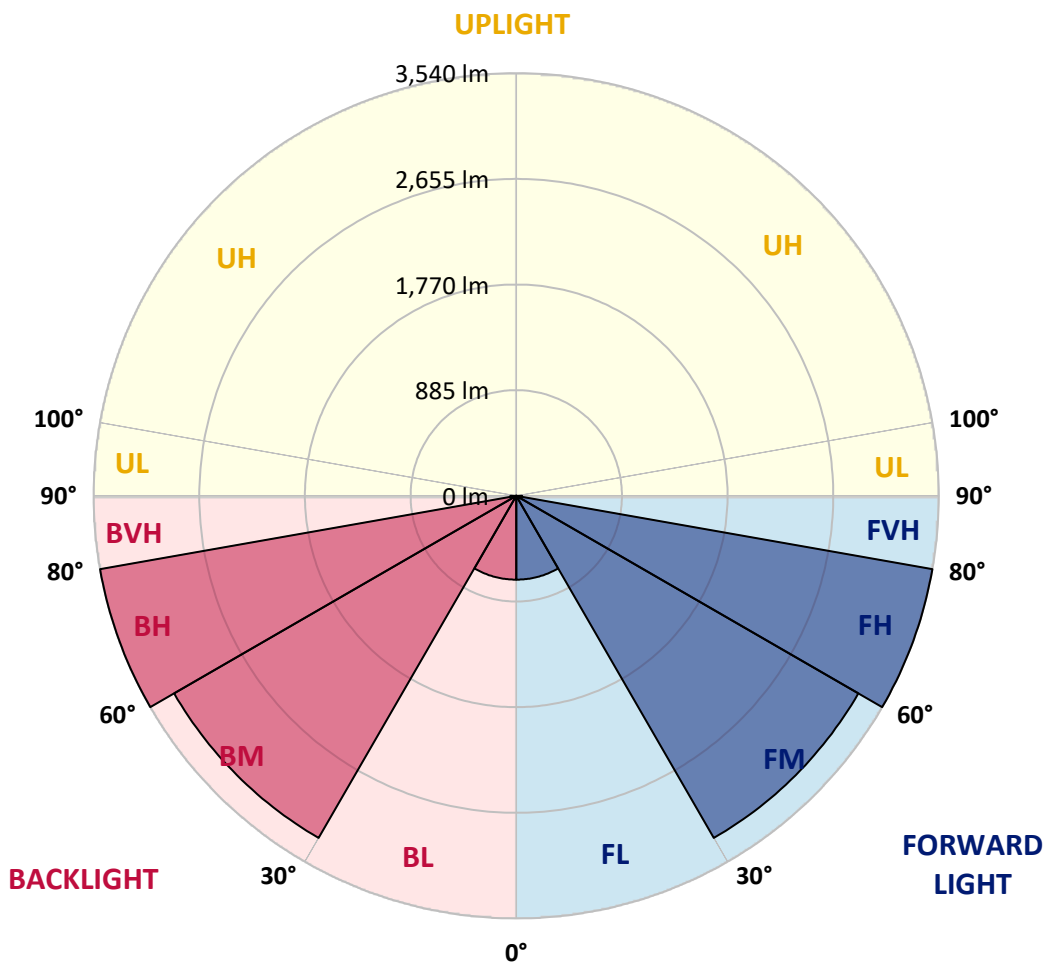


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.4	4.6			
FM (30°-60°)	3309.6	21.8			
FH (60°-80°)	3540.3	23.3			G2/5000
FVH (80°-90°)	49.2	0.3			G1/100
BL (0°-30°)	702.4	4.6	B2/1000		
BM (30°-60°)	3309.6	21.8	B3/5000		
BH (60°-80°)	3540.3	23.3	B4/5000		G2/5000
BVH (80°-90°)	49.2	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°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1657.9	1656.4	1659.9	1659.4	1656.4	1656.9	1656.9	1658.4	1658.4	1657.4	1657.4
5°	1651.9	1650.8	1654.9	1654.9	1651.9	1652.9	1653.9	1655.4	1654.9	1653.9	1653.4
7.5°	1644.3	1643.8	1647.8	1647.8	1645.8	1646.8	1645.8	1646.3	1645.3	1644.3	1642.8
10°	1631.7	1632.7	1636.3	1637.3	1637.3	1637.8	1636.8	1634.2	1632.7	1631.2	1629.7
12.5°	1620.2	1619.6	1624.7	1627.2	1631.2	1635.7	1632.7	1625.7	1622.7	1619.6	1618.6
15°	1612.6	1613.1	1618.1	1622.7	1629.7	1639.3	1635.7	1624.7	1618.6	1615.1	1614.1
17.5°	1611.1	1612.1	1618.6	1626.7	1634.2	1644.8	1642.8	1631.7	1621.7	1615.1	1613.6
20°	1614.6	1615.1	1625.2	1636.8	1649.8	1659.9	1655.4	1643.3	1629.7	1619.6	1617.1
22.5°	1621.2	1623.2	1635.7	1653.9	1674.0	1687.6	1682.0	1661.4	1640.3	1627.7	1624.2
25°	1641.8	1642.3	1659.4	1684.1	1708.2	1723.8	1717.3	1688.1	1660.9	1646.8	1642.3
27.5°	1684.6	1686.1	1703.2	1731.9	1752.5	1762.5	1758.5	1734.9	1711.7	1696.6	1698.1
30°	1746.4	1748.5	1767.6	1799.3	1811.9	1814.4	1813.4	1802.3	1781.2	1761.0	1762.5
32.5°	1821.9	1822.9	1848.6	1877.3	1887.3	1889.3	1887.3	1877.3	1852.1	1824.9	1826.4
35°	1919.0	1922.0	1946.7	1974.4	1982.4	1986.4	1982.9	1969.8	1943.7	1917.0	1916.0
37.5°	2038.8	2039.3	2064.9	2093.6	2103.7	2104.7	2100.7	2092.1	2059.4	2035.3	2033.7
40°	2177.6	2179.7	2209.8	2240.5	2244.6	2240.0	2245.6	2240.5	2206.8	2179.2	2183.7
42.5°	2346.7	2351.2	2387.5	2417.6	2406.1	2403.6	2407.1	2408.6	2381.4	2347.7	2344.7
45°	2543.4	2547.5	2592.7	2616.9	2609.4	2592.7	2599.8	2611.9	2574.1	2532.4	2536.4
47.5°	2767.8	2777.9	2826.2	2848.9	2830.2	2807.6	2821.2	2839.3	2795.0	2743.2	2740.7
50°	3017.4	3030.0	3094.4	3126.1	3107.5	3065.7	3088.4	3100.4	3036.5	2969.6	2964.1
52.5°	3283.6	3296.2	3377.2	3442.6	3430.5	3365.6	3397.3	3384.7	3311.2	3221.2	3214.1
55°	3585.0	3590.0	3677.5	3783.2	3795.3	3747.5	3745.5	3724.8	3616.2	3512.0	3507.0
57.5°	3894.9	3898.4	4011.6	4136.4	4193.3	4193.3	4136.9	4093.1	3948.7	3828.0	3815.4
60°	4229.5	4242.1	4367.4	4536.9	4669.8	4709.0	4609.4	4490.1	4333.2	4185.7	4171.1
62.5°	4527.4	4542.0	4733.7	4986.2	5199.6	5342.5	5099.0	4904.7	4618.9	4382.5	4354.8
65°	4565.1	4604.4	4883.6	5341.0	5818.5	6103.7	5636.8	5158.3	4637.6	4309.0	4280.8
67.5°	4169.1	4235.5	4612.9	5324.9	6311.5	6923.9	5980.5	5013.4	4303.5	3940.2	3909.0
70°	3203.6	3300.2	3735.4	4657.7	6226.5	7188.0	5765.1	4389.0	3588.0	3197.0	3153.3
72.5°	1757.5	1797.3	2188.7	3189.5	4991.8	6108.3	4808.6	3245.3	2379.4	1936.1	1862.7
75°	557.5	571.6	770.8	1305.2	2823.7	4045.9	3054.6	1593.0	877.0	646.6	639.0
77.5°	247.6	249.1	278.7	380.9	972.6	2049.8	1168.3	433.7	298.9	261.1	269.7
80°	156.5	156.5	172.6	188.7	264.7	595.2	316.0	206.3	176.1	163.5	167.0
82.5°	75.0	83.0	112.2	120.8	145.4	200.3	162.0	134.8	117.7	87.5	81.5
85°	49.3	41.3	70.9	80.0	84.5	96.1	94.1	89.1	77.0	43.8	48.8
87.5°	22.1	21.1	36.7	33.7	31.7	24.2	36.2	44.8	43.3	21.6	21.6
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)