

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: P316467

Luminaire Tested: **GAN-SA3A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316467
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-SA3A-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14946 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

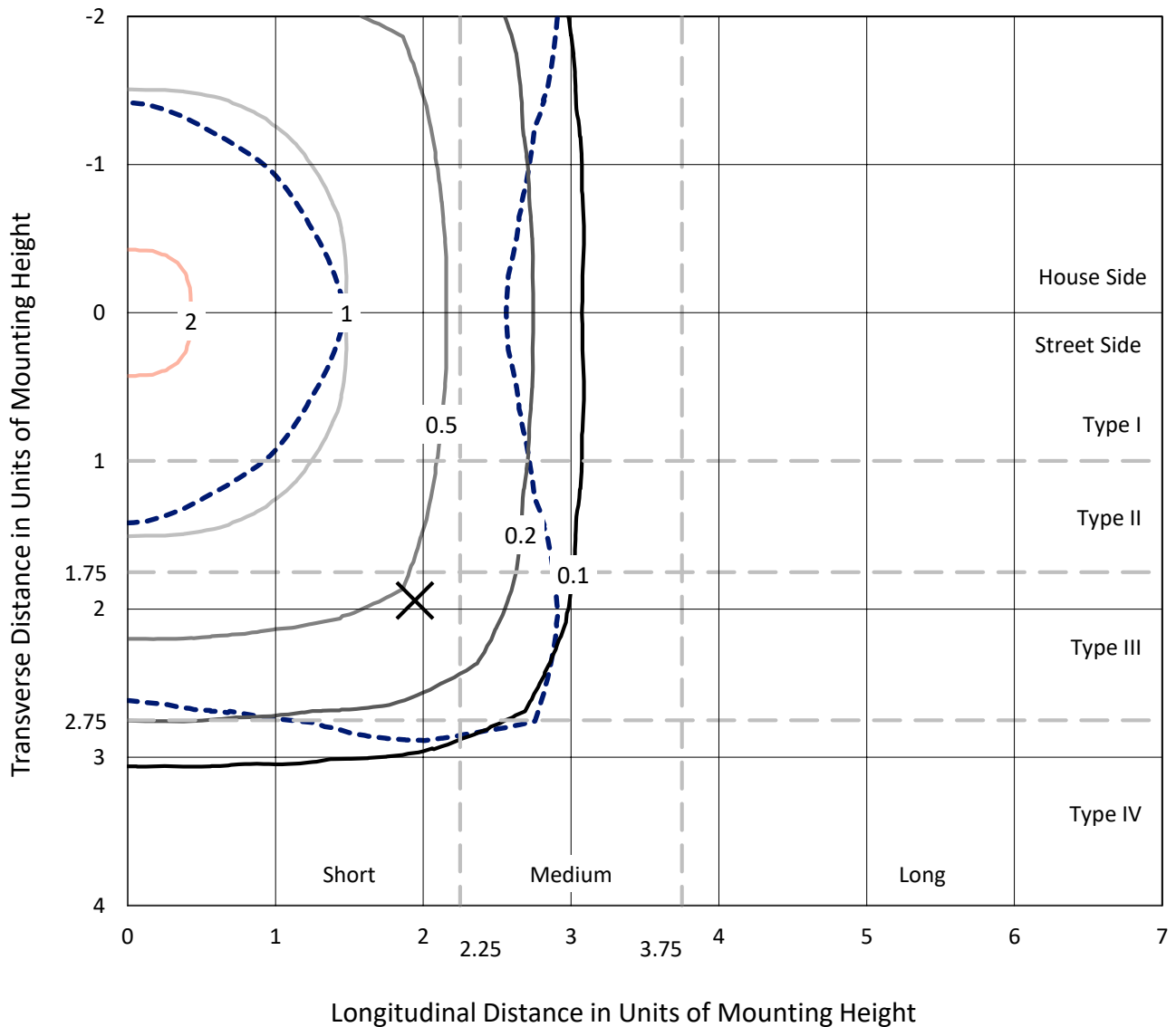
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

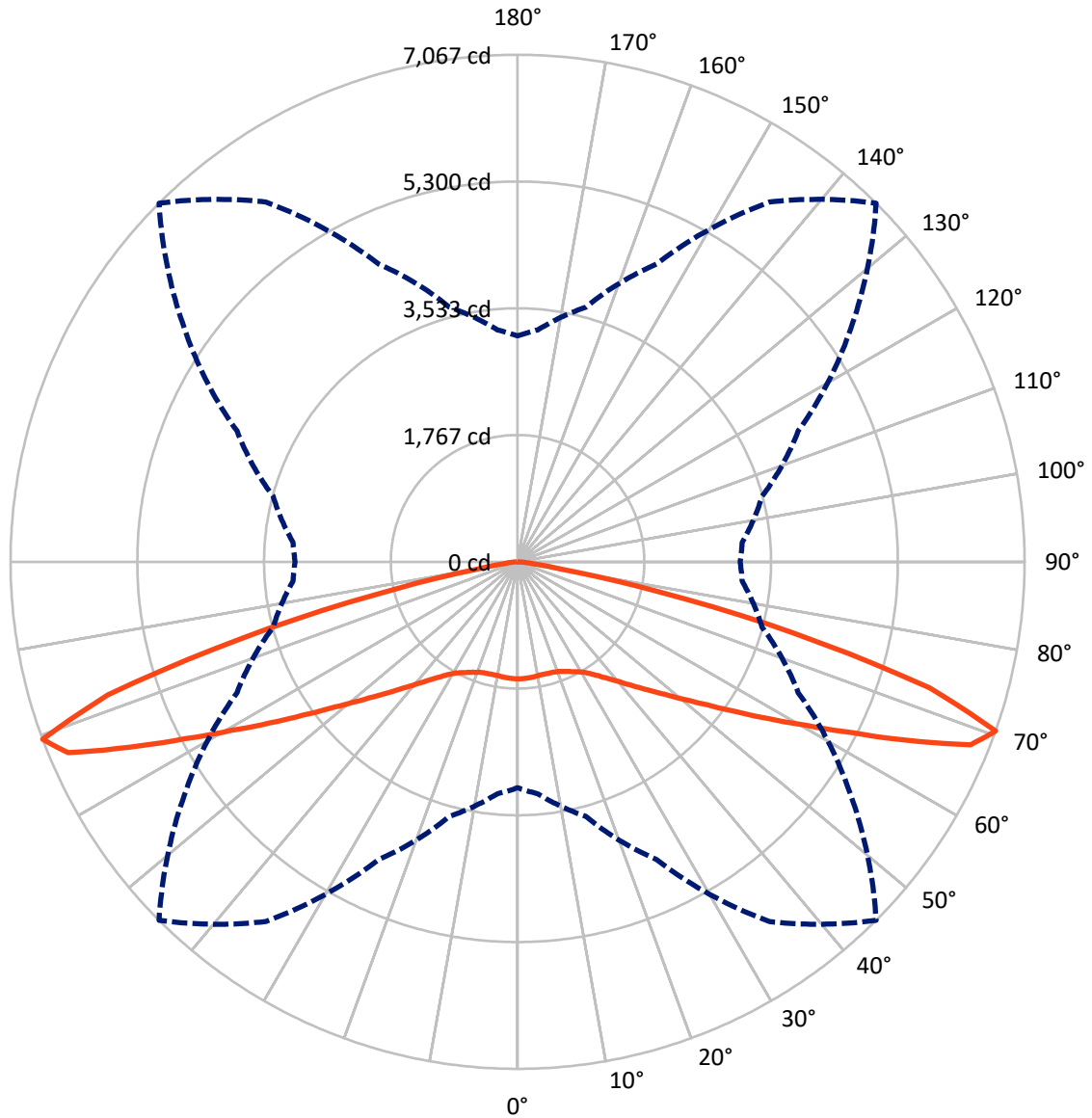
✕ Max cd
 - - - 1/2 Max cd



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	7473.0	0.0	7473.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7473.0	0.0	7473.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14946.0	0.0	14946.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	1.0
10°-20°	453.9	3.0
20°-30°	772.6	5.2
30°-40°	1225.4	8.2
40°-50°	1994.1	13.3
50°-60°	3287.8	22.0
60°-70°	4826.7	32.3
70°-80°	2134.3	14.3
80°-90°	96.7	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°	14946.0	100.0
0°-180°	14946.0	100.0



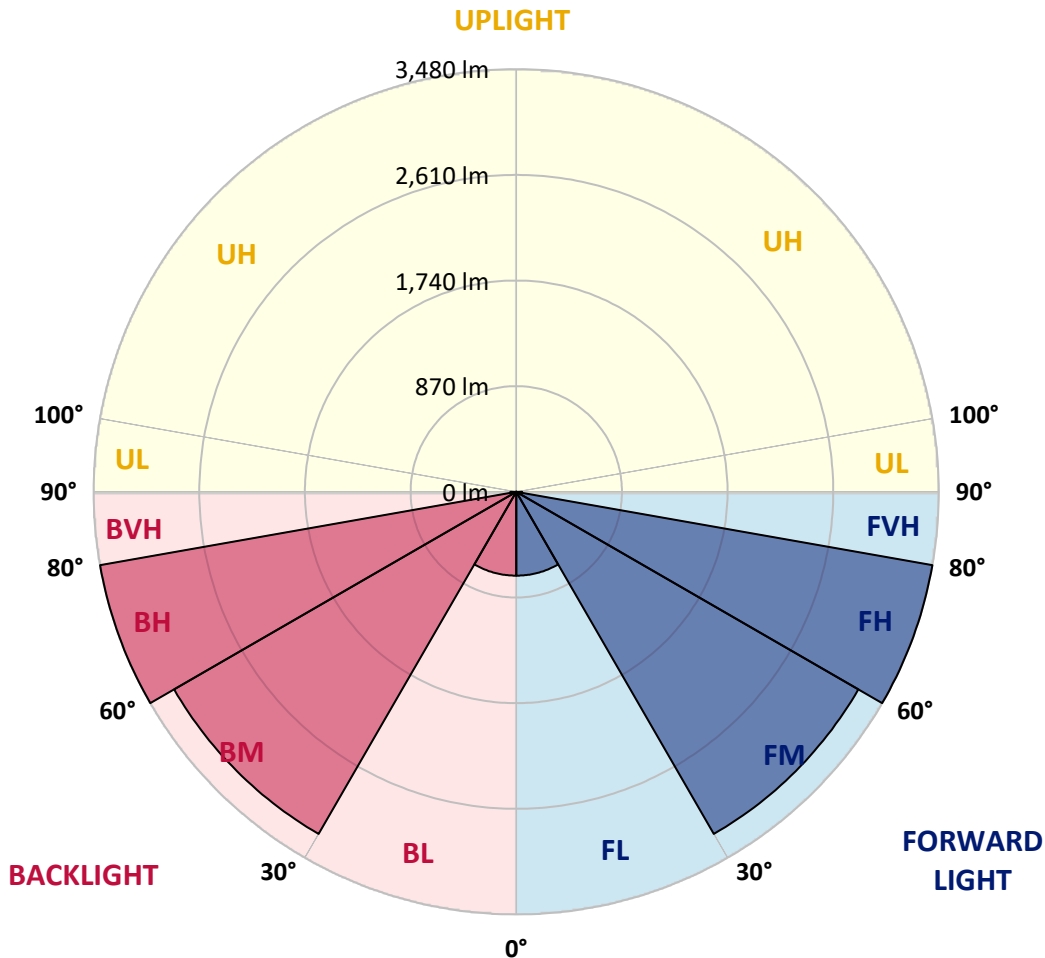
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.5	4.6			
FM (30°-60°)	3253.6	21.8			
FH (60°-80°)	3480.5	23.3			G2/5000
FVH (80°-90°)	48.3	0.3			G1/100
BL (0°-30°)	690.5	4.6	B2/1000		
BM (30°-60°)	3253.6	21.8	B3/5000		
BH (60°-80°)	3480.5	23.3	B4/5000		G2/5000
BVH (80°-90°)	48.3	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°	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3	1632.3
2.5°	1629.9	1628.4	1631.8	1631.3	1628.4	1628.9	1628.9	1630.4	1630.4	1629.4	1629.4
5°	1623.9	1622.9	1626.9	1626.9	1623.9	1624.9	1625.9	1627.4	1626.9	1625.9	1625.4
7.5°	1616.5	1616.0	1620.0	1620.0	1618.0	1619.0	1618.0	1618.5	1617.5	1616.5	1615.0
10°	1604.1	1605.1	1608.6	1609.6	1609.6	1610.1	1609.1	1606.6	1605.1	1603.6	1602.2
12.5°	1592.8	1592.3	1597.2	1599.7	1603.6	1608.1	1605.1	1598.2	1595.2	1592.3	1591.3
15°	1585.3	1585.8	1590.8	1595.2	1602.2	1611.6	1608.1	1597.2	1591.3	1587.8	1586.8
17.5°	1583.9	1584.8	1591.3	1599.2	1606.6	1617.0	1615.0	1604.1	1594.2	1587.8	1586.3
20°	1587.3	1587.8	1597.7	1609.1	1621.9	1631.8	1627.4	1615.5	1602.2	1592.3	1589.8
22.5°	1593.8	1595.7	1608.1	1625.9	1645.7	1659.0	1653.6	1633.3	1612.5	1600.2	1596.7
25°	1614.0	1614.5	1631.3	1655.6	1679.3	1694.7	1688.2	1659.5	1632.8	1619.0	1614.5
27.5°	1656.1	1657.6	1674.4	1702.6	1722.9	1732.7	1728.8	1705.5	1682.8	1668.0	1669.4
30°	1716.9	1718.9	1737.7	1768.9	1781.2	1783.7	1782.7	1771.8	1751.1	1731.3	1732.7
32.5°	1791.1	1792.1	1817.3	1845.5	1855.4	1857.4	1855.4	1845.5	1820.8	1794.1	1795.6
35°	1886.6	1889.6	1913.8	1941.0	1948.9	1952.9	1949.4	1936.5	1910.8	1884.6	1883.6
37.5°	2004.3	2004.8	2030.0	2058.2	2068.1	2069.1	2065.2	2056.7	2024.6	2000.8	1999.4
40°	2140.8	2142.8	2172.5	2202.7	2206.6	2202.2	2207.6	2202.7	2169.5	2142.3	2146.8
42.5°	2307.0	2311.5	2347.1	2376.8	2365.4	2362.9	2366.4	2367.9	2341.2	2308.0	2305.1
45°	2500.4	2504.4	2548.9	2572.7	2565.2	2548.9	2555.8	2567.7	2530.6	2489.6	2493.5
47.5°	2721.1	2730.9	2778.4	2800.7	2782.4	2760.1	2773.5	2791.3	2747.8	2696.8	2694.3
50°	2966.4	2978.8	3042.1	3073.2	3054.9	3013.9	3036.1	3048.0	2985.2	2919.4	2914.0
52.5°	3228.1	3240.4	3320.1	3384.4	3372.5	3308.7	3339.9	3327.5	3255.3	3166.7	3159.8
55°	3524.4	3529.3	3615.4	3719.3	3731.1	3684.1	3682.2	3661.9	3555.0	3452.6	3447.7
57.5°	3829.1	3832.5	3943.8	4066.5	4122.4	4122.4	4067.0	4024.0	3882.0	3763.3	3750.9
60°	4158.0	4170.4	4293.5	4460.2	4590.8	4629.4	4531.5	4414.2	4259.9	4115.0	4100.6
62.5°	4450.8	4465.2	4653.6	4902.0	5111.7	5252.2	5012.8	4821.8	4540.9	4308.4	4281.2
65°	4487.9	4526.5	4801.0	5250.7	5720.1	6000.6	5541.5	5071.1	4559.2	4236.2	4208.5
67.5°	4098.6	4163.9	4534.9	5234.9	6204.9	6806.8	5879.4	4928.7	4230.7	3873.6	3842.9
70°	3149.4	3244.4	3672.3	4578.9	6121.3	7066.5	5667.7	4314.8	3527.3	3143.0	3100.0
72.5°	1727.8	1766.9	2151.7	3135.6	4907.4	6005.0	4727.3	3190.5	2339.2	1903.4	1831.2
75°	548.1	561.9	757.8	1283.1	2776.0	3977.5	3003.0	1566.1	862.2	635.6	628.2
77.5°	243.4	244.9	274.0	374.4	956.2	2015.2	1148.6	426.4	293.8	256.7	265.1
80°	153.8	153.8	169.7	185.5	260.2	585.2	310.6	202.8	173.1	160.8	164.2
82.5°	73.7	81.6	110.3	118.7	143.0	196.9	159.3	132.6	115.7	86.1	80.1
85°	48.5	40.6	69.7	78.6	83.1	94.5	92.5	87.6	75.7	43.0	48.0
87.5°	21.8	20.8	36.1	33.1	31.2	23.7	35.6	44.0	42.5	21.3	21.3
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)