

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: P317107

Luminaire Tested: **GAN-SA3A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317107
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14543 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

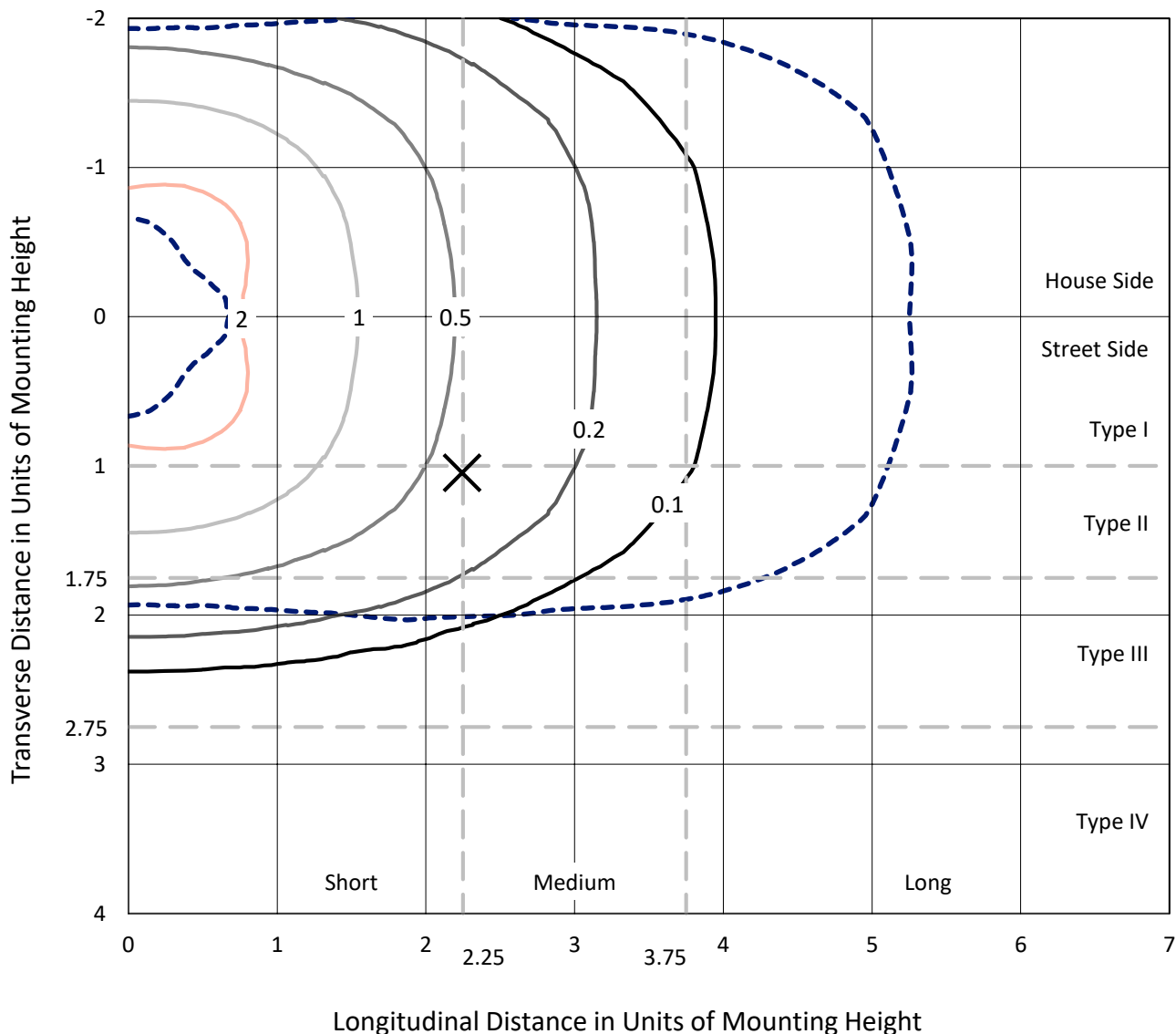
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

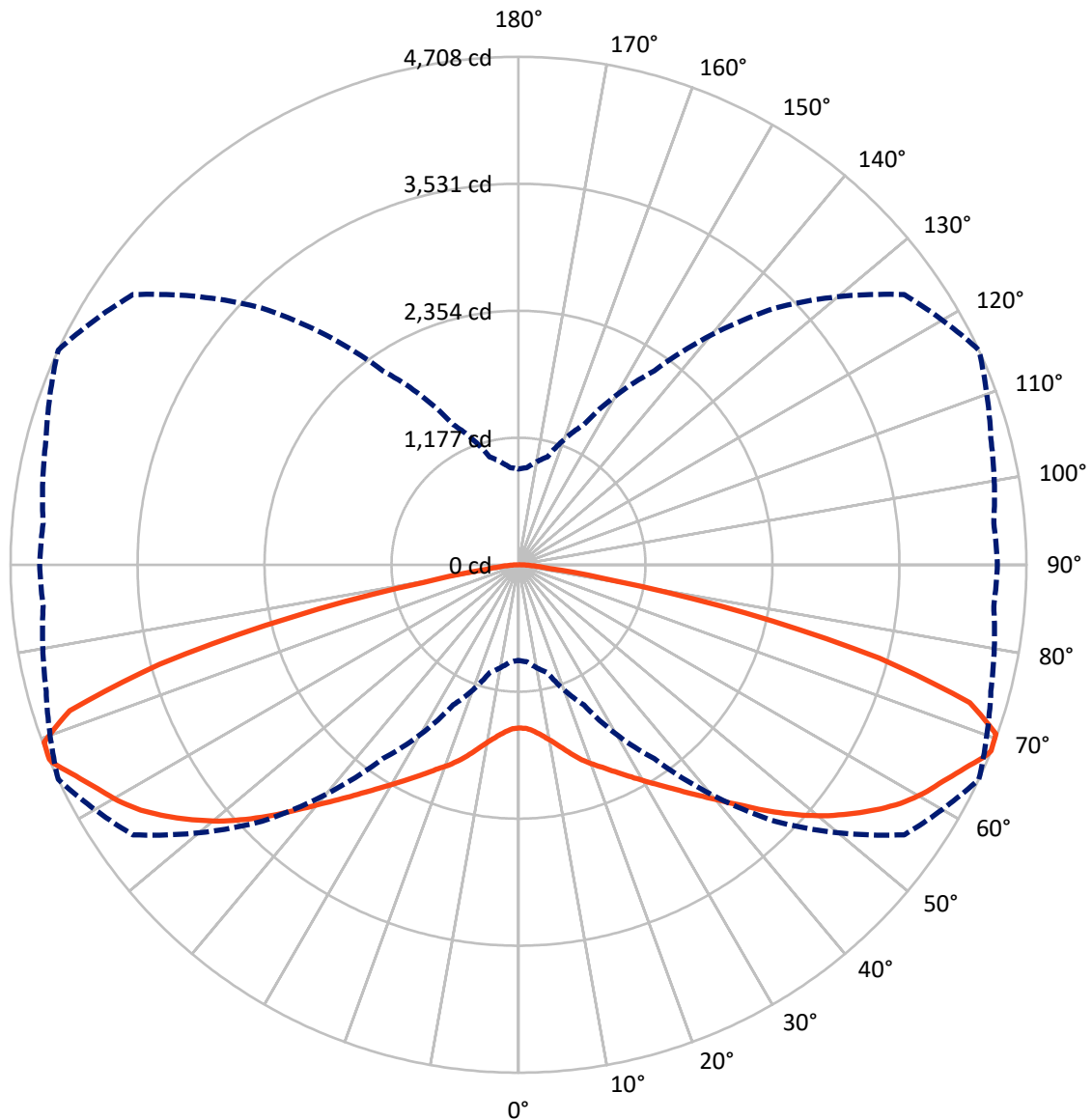
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	7271.5	0.0	7271.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7271.5	0.0	7271.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14543.0	0.0	14543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	1.0
10°-20°	495.7	3.4
20°-30°	966.5	6.6
30°-40°	1623.7	11.2
40°-50°	2558.4	17.6
50°-60°	3421.4	23.5
60°-70°	3326.1	22.9
70°-80°	1818.2	12.5
80°-90°	184.9	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°	14543.0	100.0
0°-180°	14543.0	100.0

Coefficient of Utilization

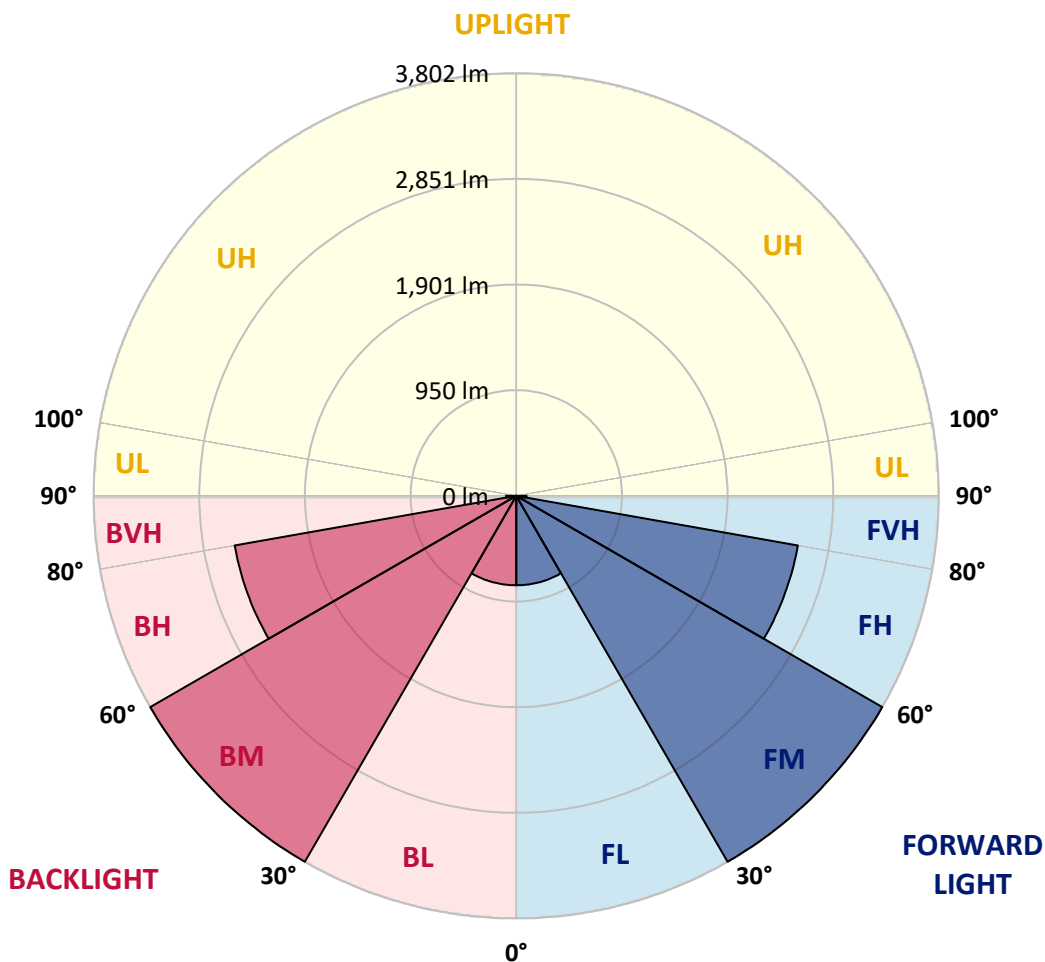


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	805.2	5.5			
FM	(30°-60°)	3801.8	26.1			
FH	(60°-80°)	2572.1	17.7			G2/5000
FVH	(80°-90°)	92.5	0.6			G1/100
BL	(0°-30°)	805.2	5.5	B2/1000		
BM	(30°-60°)	3801.8	26.1	B3/5000		
BH	(60°-80°)	2572.1	17.7	B4/5000		G4/5000
BVH	(80°-90°)	92.5	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°	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1
2.5°	1501.4	1501.9	1504.3	1507.3	1509.7	1516.0	1517.5	1519.9	1520.9	1523.3	1523.3
5°	1488.2	1489.2	1495.1	1502.9	1511.6	1527.2	1538.5	1551.1	1557.5	1564.3	1563.8
7.5°	1486.8	1489.2	1497.5	1510.2	1524.8	1550.7	1574.1	1599.4	1616.5	1632.1	1631.1
10°	1501.9	1505.8	1517.5	1536.5	1558.5	1590.6	1625.3	1659.4	1689.1	1713.0	1714.0
12.5°	1524.8	1529.7	1548.2	1577.0	1610.1	1651.6	1692.6	1731.1	1772.0	1807.6	1810.6
15°	1555.0	1561.4	1589.2	1632.1	1682.8	1732.0	1775.9	1815.4	1862.7	1912.0	1916.9
17.5°	1599.9	1608.7	1645.3	1703.3	1770.1	1824.2	1870.0	1899.8	1939.3	1990.0	1999.3
20°	1668.2	1679.4	1725.7	1795.0	1876.4	1933.0	1968.1	1974.4	1993.9	2039.3	2050.0
22.5°	1756.9	1766.7	1818.4	1900.8	1992.0	2053.4	2071.9	2046.6	2044.6	2081.2	2091.4
25°	1855.9	1864.7	1924.7	2017.3	2115.3	2183.1	2182.6	2133.4	2099.2	2127.5	2138.2
27.5°	1967.1	1980.7	2038.3	2135.8	2240.6	2307.4	2303.5	2227.5	2162.6	2169.9	2179.2
30°	2094.8	2110.0	2166.0	2265.0	2369.9	2435.2	2430.3	2329.9	2232.4	2212.8	2219.7
32.5°	2253.3	2271.4	2324.5	2422.0	2514.7	2573.7	2559.6	2441.1	2316.2	2273.8	2280.1
35°	2444.0	2454.7	2510.8	2606.9	2681.9	2722.4	2692.7	2569.8	2422.5	2371.3	2371.3
37.5°	2637.1	2645.4	2708.3	2801.4	2874.1	2895.5	2837.5	2710.7	2561.5	2488.8	2490.3
40°	2822.4	2844.8	2915.5	3011.1	3082.8	3088.6	3011.6	2871.6	2716.1	2641.0	2649.8
42.5°	3016.0	3037.9	3122.3	3230.5	3293.9	3303.7	3213.5	3052.1	2890.6	2829.7	2839.4
45°	3188.6	3206.1	3303.7	3429.5	3508.5	3533.8	3427.0	3258.8	3079.4	3019.9	3022.3
47.5°	3309.0	3332.0	3439.2	3587.5	3702.5	3741.6	3636.7	3460.2	3265.1	3193.0	3199.3
50°	3418.3	3430.5	3539.2	3701.1	3847.4	3927.8	3838.1	3659.1	3452.9	3376.3	3383.2
52.5°	3479.2	3494.8	3600.1	3768.9	3942.0	4071.7	4017.1	3838.1	3634.3	3559.7	3568.0
55°	3436.8	3448.5	3574.8	3784.0	4000.5	4160.4	4168.7	4013.2	3812.3	3746.9	3770.3
57.5°	3243.7	3258.3	3412.4	3686.5	4007.8	4220.4	4282.8	4175.5	3978.5	3925.4	3939.0
60°	2941.9	2951.1	3115.4	3423.6	3865.4	4245.3	4355.5	4308.2	4141.4	4088.3	4106.8
62.5°	2404.0	2417.7	2614.2	3027.2	3564.5	4171.6	4425.7	4417.9	4293.1	4244.3	4260.9
65°	1643.3	1667.2	1884.7	2406.9	3100.8	3946.4	4489.6	4545.7	4427.2	4365.7	4387.7
67.5°	992.3	1009.9	1167.4	1589.2	2372.8	3491.9	4423.7	4691.0	4521.8	4422.8	4440.8
68°	887.0	903.1	1034.7	1434.1	2194.8	3363.6	4363.8	4707.5	4532.0	4421.8	4437.9
70°	535.9	546.6	634.9	886.5	1463.4	2668.3	3954.7	4693.9	4597.3	4435.5	4444.7
72.5°	349.1	352.6	367.2	455.0	747.5	1492.1	2968.2	4374.0	4695.4	4514.9	4513.5
75°	290.1	288.2	289.7	299.9	368.6	654.4	1734.5	3455.3	4475.9	4389.6	4358.9
77.5°	245.3	243.8	243.3	243.8	246.7	316.0	752.9	2152.4	3425.1	3883.0	3910.3
80°	198.5	196.5	202.9	199.9	191.1	196.5	315.5	895.3	1614.5	1736.9	1627.7
82.5°	144.3	137.0	164.3	156.5	149.2	138.5	174.1	289.2	385.2	264.3	185.8
85°	111.2	103.4	124.8	120.0	102.4	70.7	103.4	141.4	156.0	89.2	70.2
87.5°	45.3	47.8	90.2	71.2	60.0	34.1	42.4	56.6	76.1	38.0	29.3
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)