

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: P382939

Luminaire Tested: **GAN-SA3A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382939
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-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13547.5 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

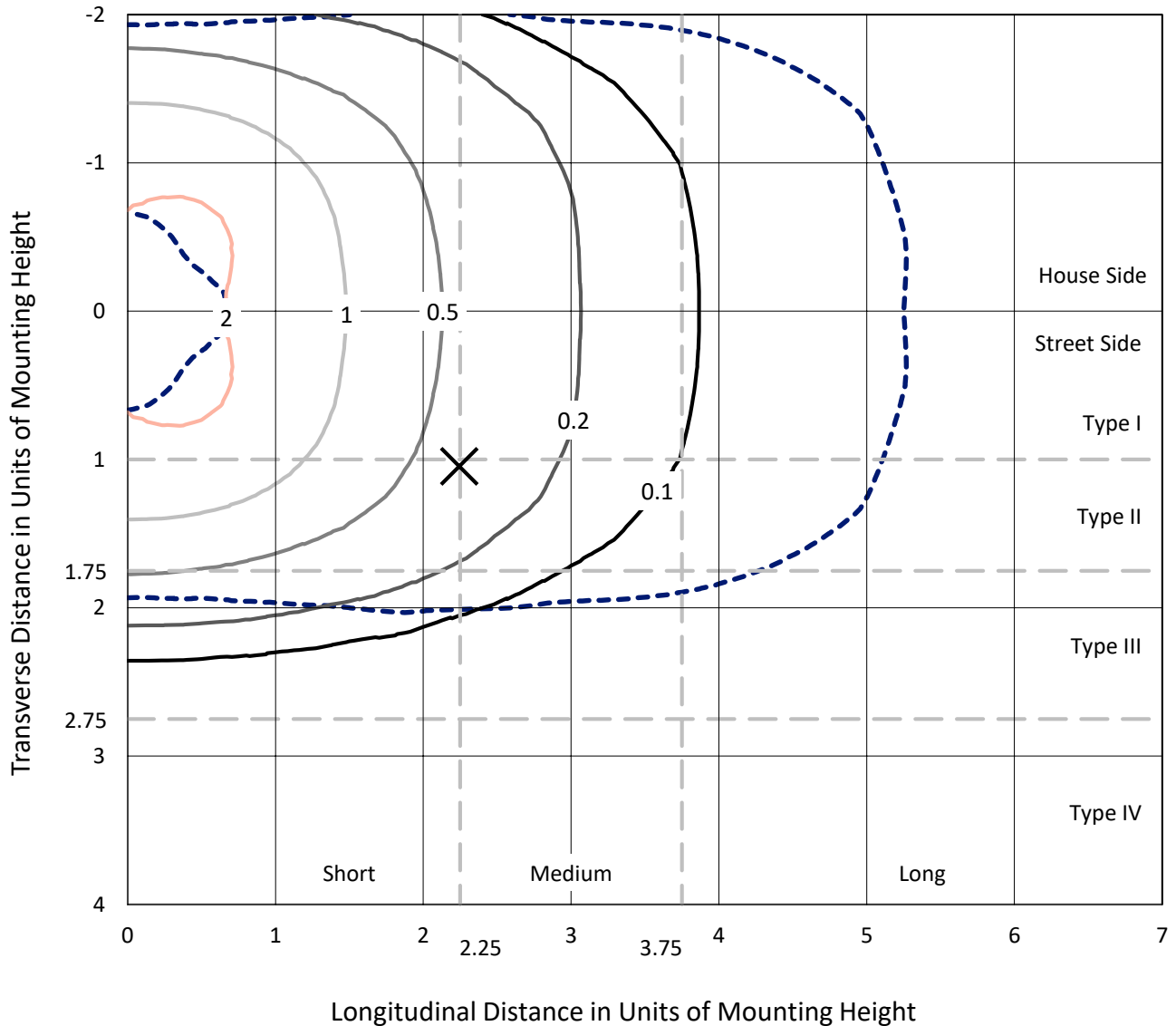
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

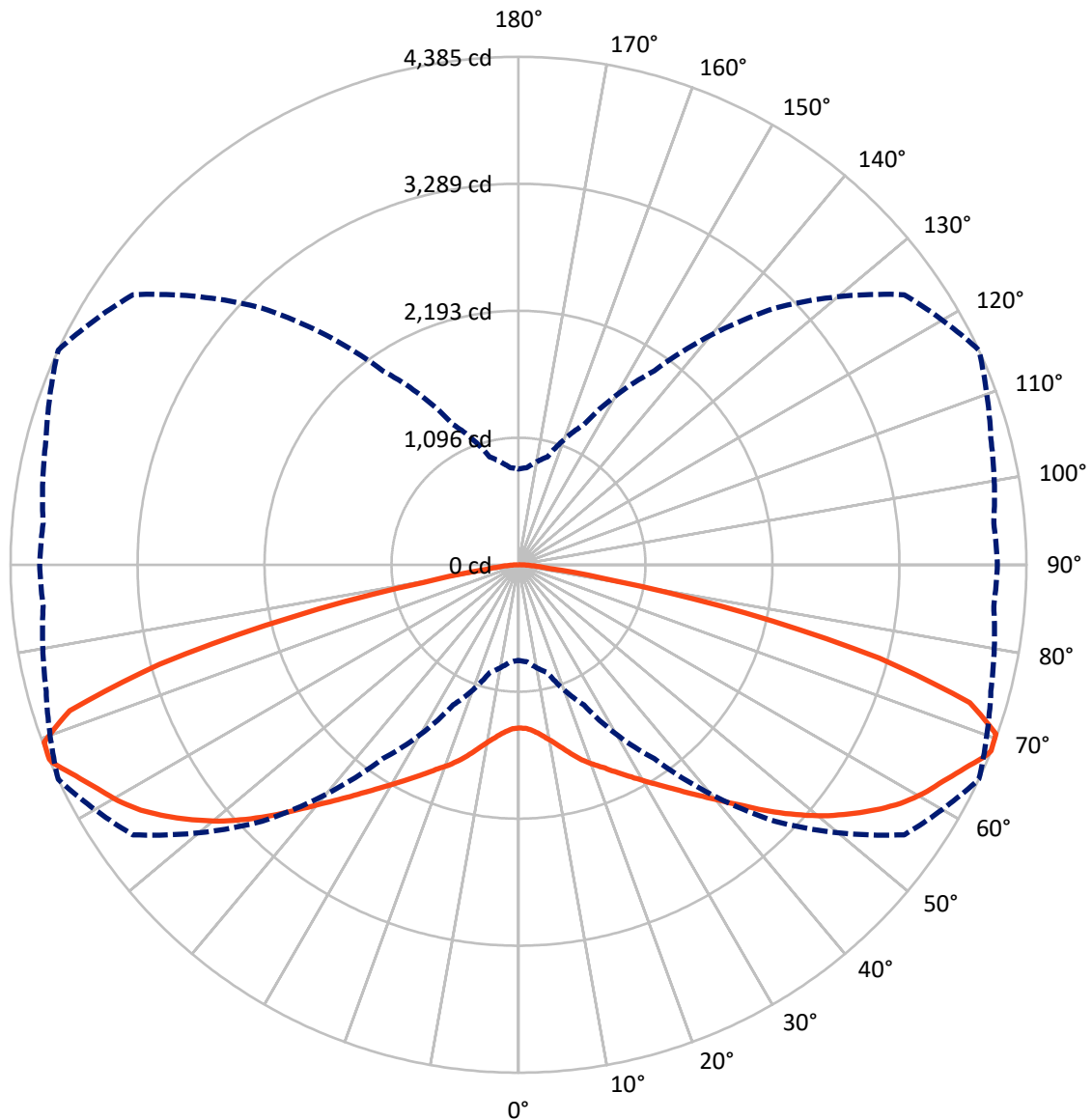
✕ Max cd
 - - - 1/2 Max cd



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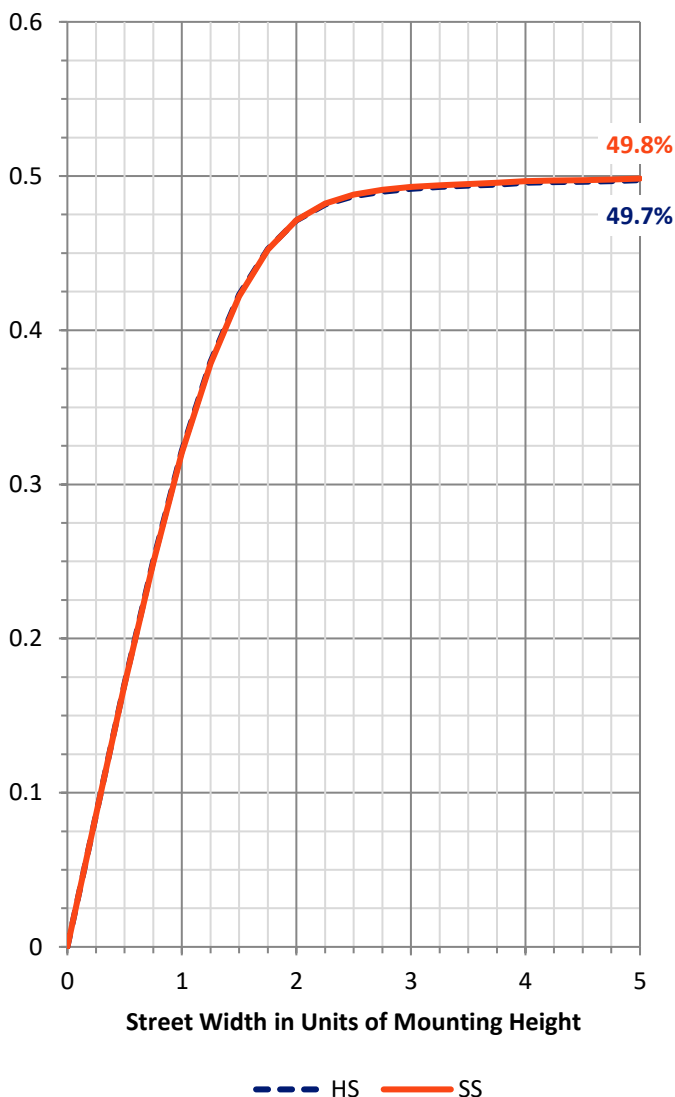
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6773.8	0.0	6773.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6773.8	0.0	6773.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13547.5	0.0	13547.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	1.0
10°-20°	461.8	3.4
20°-30°	900.4	6.6
30°-40°	1512.6	11.2
40°-50°	2383.3	17.6
50°-60°	3187.2	23.5
60°-70°	3098.4	22.9
70°-80°	1693.7	12.5
80°-90°	172.3	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°	13547.5	100.0
0°-180°	13547.5	100.0

Coefficient of Utilization



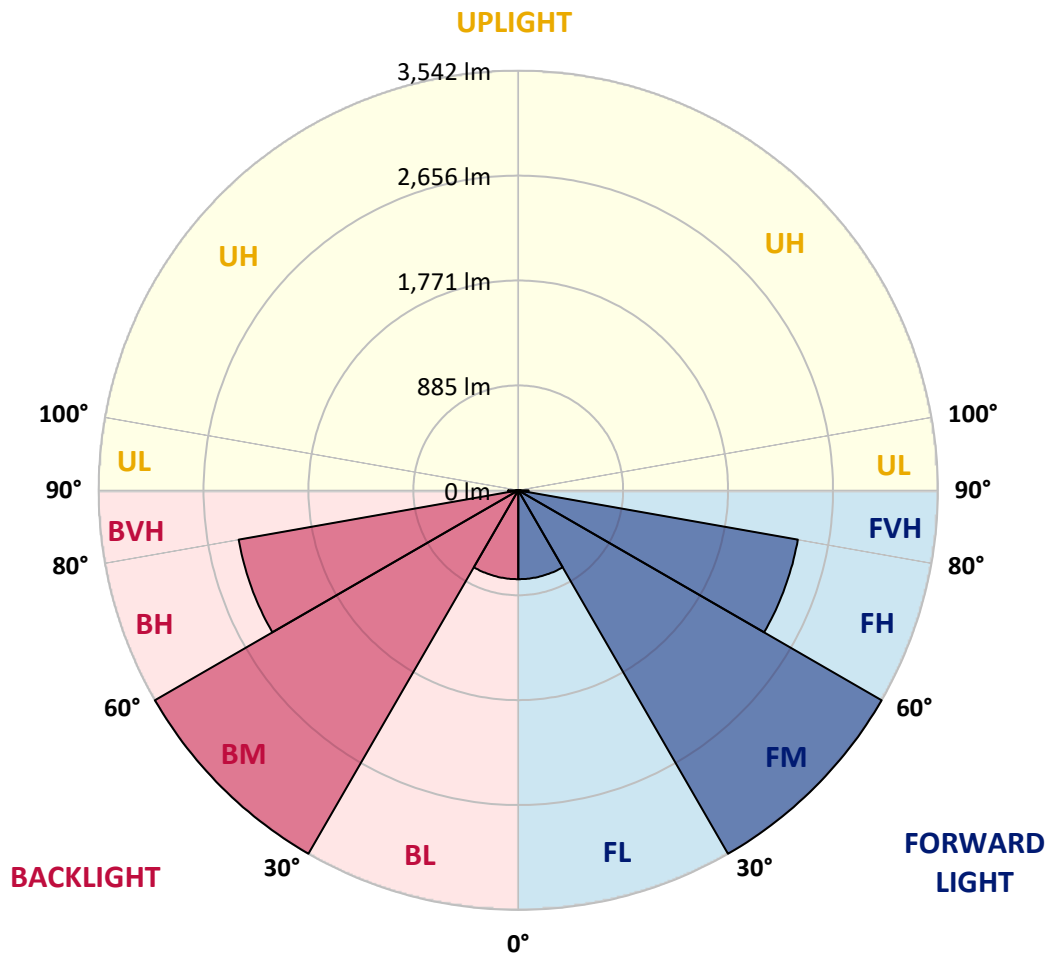
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.0	5.5			
FM (30°-60°)	3541.5	26.1			
FH (60°-80°)	2396.1	17.7			G2/5000
FVH (80°-90°)	86.1	0.6			G1/100
BL (0°-30°)	750.0	5.5	B2/1000		
BM (30°-60°)	3541.5	26.1	B3/5000		
BH (60°-80°)	2396.1	17.7	B3/2500		G3/2500
BVH (80°-90°)	86.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6
2.5°	1398.6	1399.1	1401.3	1404.1	1406.4	1412.2	1413.6	1415.9	1416.8	1419.0	1419.0
5°	1386.3	1387.3	1392.8	1400.0	1408.1	1422.7	1433.2	1444.9	1450.9	1457.2	1456.8
7.5°	1385.0	1387.3	1395.0	1406.8	1420.4	1444.6	1466.3	1489.9	1505.8	1520.4	1519.4
10°	1399.1	1402.7	1413.6	1431.3	1451.8	1481.7	1514.0	1545.8	1573.5	1595.7	1596.7
12.5°	1420.4	1425.0	1442.2	1469.1	1499.9	1538.5	1576.7	1612.6	1650.7	1683.9	1686.7
15°	1448.6	1454.5	1480.4	1520.4	1567.6	1613.4	1654.3	1691.1	1735.2	1781.1	1785.7
17.5°	1490.4	1498.6	1532.7	1586.7	1648.9	1699.3	1742.0	1769.8	1806.6	1853.8	1862.4
20°	1554.0	1564.4	1607.6	1672.1	1748.0	1800.7	1833.4	1839.2	1857.4	1899.7	1909.7
22.5°	1636.6	1645.8	1693.9	1770.7	1855.6	1912.8	1930.1	1906.5	1904.6	1938.7	1948.2
25°	1728.9	1737.1	1792.9	1879.2	1970.5	2033.7	2033.2	1987.4	1955.5	1981.9	1991.8
27.5°	1832.4	1845.1	1898.8	1989.6	2087.2	2149.5	2145.8	2075.0	2014.6	2021.4	2030.0
30°	1951.4	1965.6	2017.7	2110.0	2207.7	2268.5	2263.9	2170.4	2079.6	2061.3	2067.8
32.5°	2099.1	2115.9	2165.4	2256.2	2342.6	2397.5	2384.4	2274.0	2157.7	2118.2	2124.0
35°	2276.7	2286.7	2338.9	2428.5	2498.3	2536.0	2508.4	2393.9	2256.7	2209.0	2209.0
37.5°	2456.6	2464.3	2522.9	2609.6	2677.4	2697.3	2643.3	2525.1	2386.2	2318.4	2319.8
40°	2629.2	2650.1	2715.9	2805.0	2871.8	2877.2	2805.4	2675.0	2530.2	2460.2	2468.4
42.5°	2809.5	2829.9	2908.6	3009.4	3068.4	3077.6	2993.5	2843.2	2692.7	2636.0	2645.0
45°	2970.3	2986.6	3077.6	3194.7	3268.3	3291.9	3192.4	3035.7	2868.6	2813.2	2815.4
47.5°	3082.5	3103.9	3203.8	3341.9	3449.1	3485.5	3387.8	3223.3	3041.6	2974.4	2980.3
50°	3184.3	3195.7	3296.9	3447.8	3584.0	3658.9	3575.4	3408.6	3216.5	3145.2	3151.6
52.5°	3241.0	3255.6	3353.7	3510.9	3672.2	3793.0	3742.1	3575.4	3385.5	3316.0	3323.8
55°	3201.5	3212.4	3330.1	3525.0	3726.7	3875.6	3883.3	3738.5	3551.3	3490.4	3512.2
57.5°	3021.7	3035.3	3178.8	3434.2	3733.5	3931.5	3989.6	3889.7	3706.2	3656.7	3669.4
60°	2740.5	2749.1	2902.1	3189.2	3600.8	3954.7	4057.4	4013.3	3857.9	3808.4	3825.7
62.5°	2239.4	2252.2	2435.3	2820.0	3320.5	3886.0	4122.8	4115.5	3999.2	3953.8	3969.2
65°	1530.8	1553.1	1755.7	2242.1	2888.5	3676.3	4182.3	4234.5	4124.1	4066.9	4087.4
67.5°	924.4	940.8	1087.5	1480.4	2210.4	3252.9	4120.9	4369.9	4212.3	4120.0	4136.8
68°	826.3	841.3	963.9	1335.9	2044.6	3133.4	4065.1	4385.3	4221.8	4119.1	4134.1
70°	499.2	509.2	591.4	825.8	1363.2	2485.6	3684.0	4372.6	4282.6	4131.9	4140.4
72.5°	325.2	328.5	342.1	423.9	696.3	1390.0	2765.0	4074.6	4374.0	4205.8	4204.5
75°	270.2	268.5	269.9	279.4	343.4	609.6	1615.8	3218.8	4169.5	4089.1	4060.5
77.5°	228.5	227.1	226.6	227.1	229.8	294.4	701.4	2005.1	3190.6	3617.2	3642.6
80°	184.9	183.0	189.0	186.2	178.0	183.0	293.9	834.0	1504.0	1618.0	1516.3
82.5°	134.4	127.6	153.1	145.8	139.0	129.0	162.2	269.4	358.8	246.2	173.1
85°	103.6	96.3	116.3	111.8	95.4	65.9	96.3	131.7	145.3	83.1	65.4
87.5°	42.2	44.5	84.0	66.3	55.9	31.8	39.5	52.7	70.9	35.4	27.3
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)