

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: P317068

Luminaire Tested: **GAN-SA4A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317068
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-SA4A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17499 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

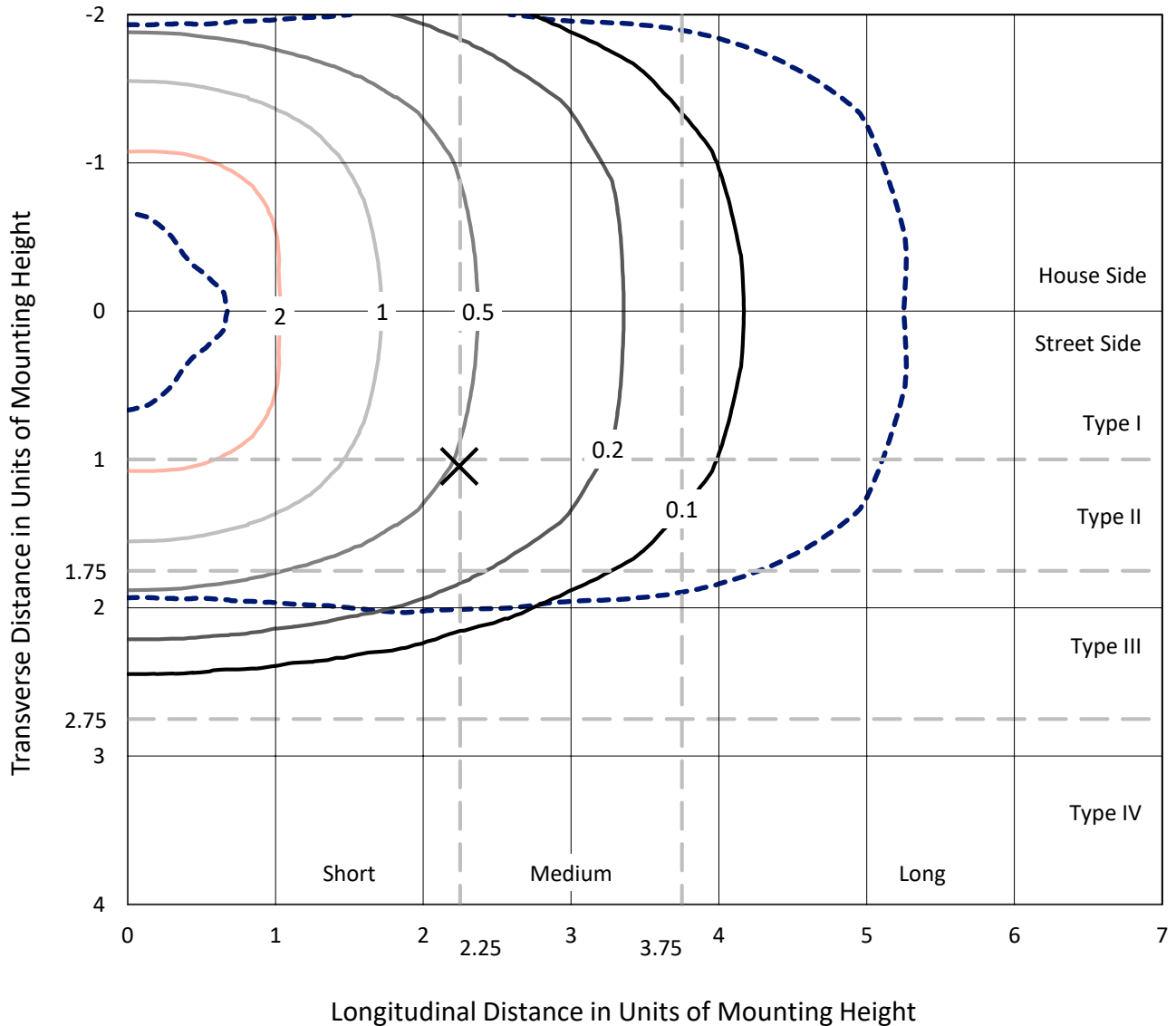
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

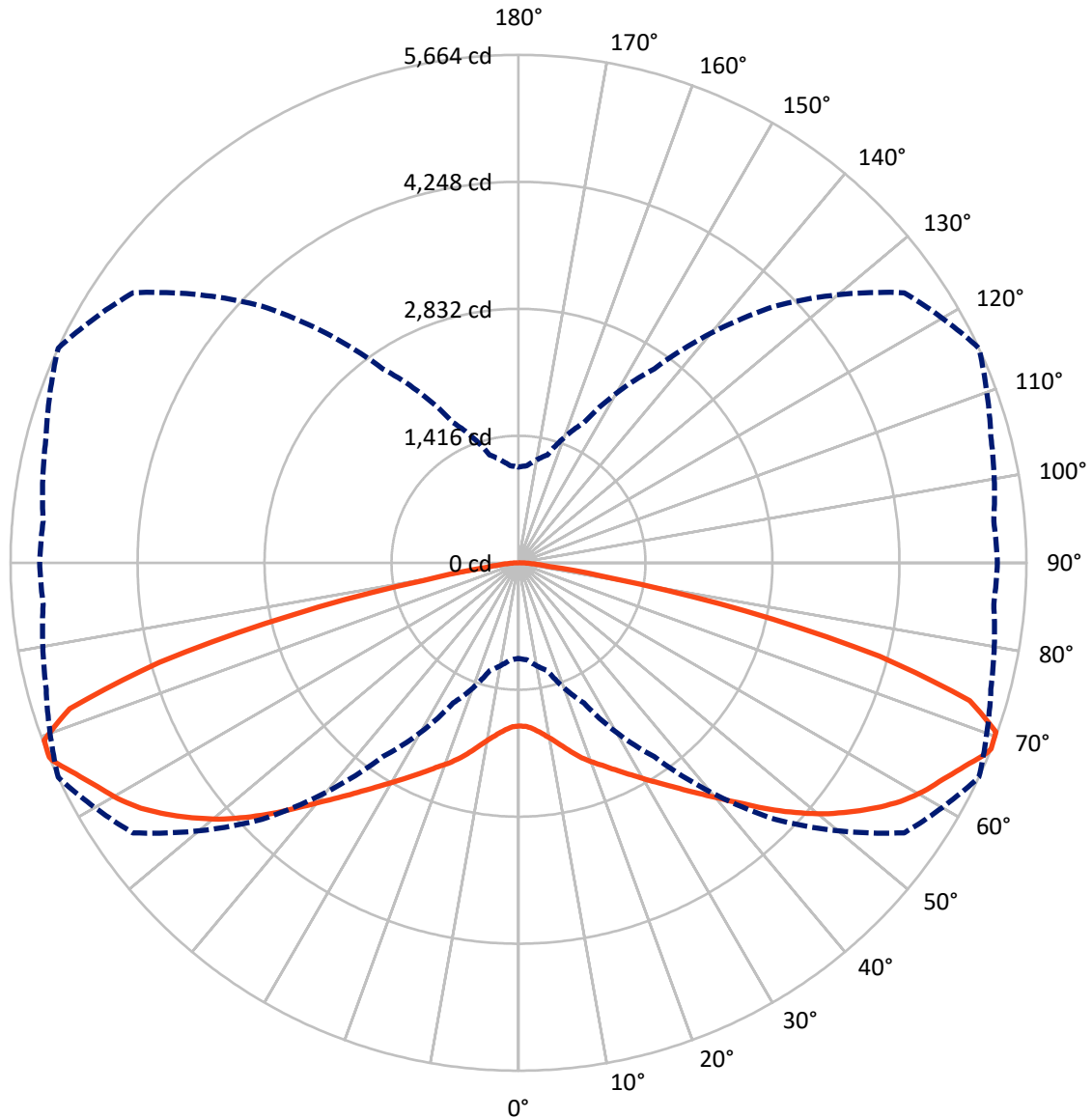
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	8749.5	0.0	8749.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8749.5	0.0	8749.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17499.0	0.0	17499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	1.0
10°-20°	596.5	3.4
20°-30°	1163.0	6.6
30°-40°	1953.7	11.2
40°-50°	3078.4	17.6
50°-60°	4116.9	23.5
60°-70°	4002.1	22.9
70°-80°	2187.7	12.5
80°-90°	222.5	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°	17499.0	100.0
0°-180°	17499.0	100.0

Coefficient of Utilization

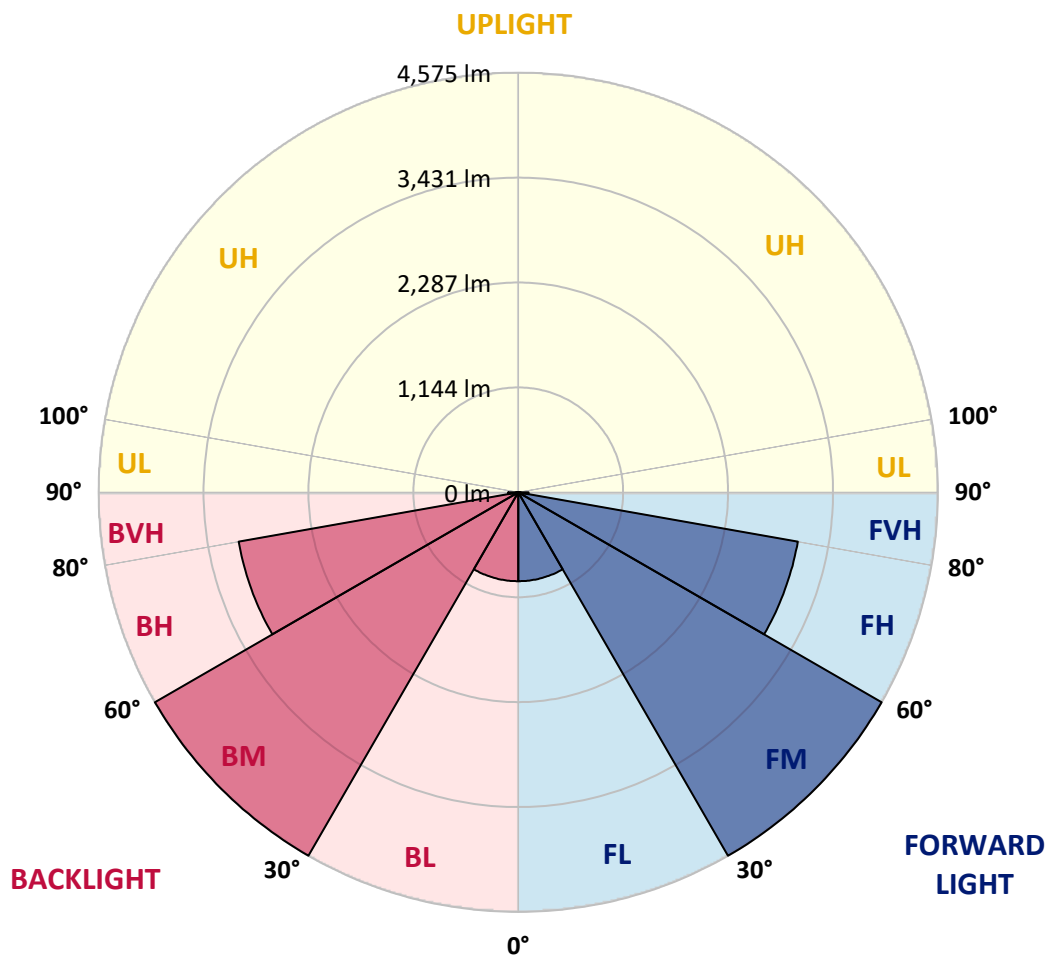


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	968.8	5.5			
FM (30°-60°)	4574.5	26.1			
FH (60°-80°)	3094.9	17.7			G2/5000
FVH (80°-90°)	111.3	0.6			G2/225
BL (0°-30°)	968.8	5.5	B2/1000		
BM (30°-60°)	4574.5	26.1	B3/5000		
BH (60°-80°)	3094.9	17.7	B4/5000		G4/5000
BVH (80°-90°)	111.3	0.6			G2/225
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°	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5	1819.5
2.5°	1806.6	1807.2	1810.1	1813.6	1816.6	1824.2	1825.9	1828.9	1830.0	1833.0	1833.0
5°	1790.7	1791.9	1798.9	1808.3	1818.9	1837.7	1851.2	1866.4	1874.1	1882.3	1881.7
7.5°	1789.0	1791.9	1801.9	1817.1	1834.7	1865.8	1894.0	1924.5	1945.0	1963.8	1962.6
10°	1807.2	1811.9	1825.9	1848.8	1875.2	1913.9	1955.6	1996.7	2032.5	2061.2	2062.4
12.5°	1834.7	1840.6	1862.9	1897.5	1937.4	1987.3	2036.6	2082.9	2132.2	2175.0	2178.6
15°	1871.1	1878.7	1912.2	1963.8	2024.8	2084.1	2136.9	2184.4	2241.4	2300.6	2306.5
17.5°	1925.1	1935.7	1979.7	2049.5	2129.9	2195.0	2250.2	2285.9	2333.5	2394.5	2405.6
20°	2007.2	2020.7	2076.5	2159.8	2257.8	2325.8	2368.1	2375.7	2399.2	2453.8	2466.7
22.5°	2114.0	2125.8	2188.0	2287.1	2396.8	2470.8	2493.1	2462.6	2460.2	2504.2	2516.5
25°	2233.1	2243.7	2315.9	2427.3	2545.3	2626.8	2626.3	2567.0	2525.9	2560.0	2572.9
27.5°	2366.9	2383.3	2452.6	2569.9	2696.1	2776.5	2771.8	2680.2	2602.2	2611.0	2622.1
30°	2520.6	2538.8	2606.3	2725.4	2851.6	2930.2	2924.3	2803.4	2686.1	2662.6	2670.8
32.5°	2711.3	2733.0	2797.0	2914.3	3025.8	3096.8	3079.8	2937.2	2787.0	2736.0	2743.6
35°	2940.7	2953.7	3021.1	3136.7	3227.1	3275.8	3240.0	3092.1	2914.9	2853.3	2853.3
37.5°	3173.1	3183.1	3258.8	3370.8	3458.3	3484.1	3414.2	3261.7	3082.2	2994.7	2996.5
40°	3396.1	3423.0	3508.1	3623.1	3709.4	3716.4	3623.7	3455.3	3268.1	3177.8	3188.4
42.5°	3629.0	3655.4	3756.9	3887.2	3963.4	3975.2	3866.6	3672.4	3478.2	3404.9	3416.6
45°	3836.7	3857.8	3975.2	4126.6	4221.6	4252.1	4123.6	3921.2	3705.3	3633.7	3636.6
47.5°	3981.6	4009.2	4138.3	4316.7	4455.1	4502.1	4375.9	4163.5	3928.8	3842.0	3849.6
50°	4113.1	4127.7	4258.6	4453.4	4629.4	4726.2	4618.2	4402.9	4154.7	4062.6	4070.8
52.5°	4186.4	4205.2	4331.9	4534.9	4743.2	4899.3	4833.6	4618.2	4373.0	4283.2	4293.2
55°	4135.4	4149.4	4301.4	4553.1	4813.6	5006.1	5016.0	4828.9	4587.1	4508.5	4536.7
57.5°	3903.0	3920.6	4106.0	4435.8	4822.4	5078.2	5153.3	5024.3	4787.2	4723.3	4739.7
60°	3539.8	3551.0	3748.7	4119.5	4651.1	5108.2	5240.8	5183.9	4983.2	4919.2	4941.5
62.5°	2892.6	2909.1	3145.5	3642.5	4289.1	5019.6	5325.3	5315.9	5165.7	5107.0	5126.9
65°	1977.3	2006.1	2267.8	2896.2	3731.1	4748.5	5402.1	5469.6	5327.0	5253.1	5279.5
67.5°	1194.0	1215.1	1404.7	1912.2	2855.1	4201.7	5322.9	5644.4	5440.9	5321.7	5343.5
68°	1067.3	1086.6	1245.1	1725.6	2640.9	4047.3	5250.7	5664.4	5453.2	5320.6	5339.9
70°	644.8	657.7	763.9	1066.7	1760.8	3210.6	4758.5	5648.0	5531.8	5337.0	5348.1
72.5°	420.1	424.2	441.8	547.4	899.5	1795.4	3571.5	5263.1	5649.7	5432.6	5430.9
75°	349.1	346.8	348.5	360.8	443.6	787.4	2087.0	4157.6	5385.7	5281.8	5244.9
77.5°	295.1	293.4	292.8	293.4	296.9	380.2	905.9	2589.9	4121.3	4672.2	4705.1
80°	238.8	236.5	244.1	240.6	230.0	236.5	379.6	1077.3	1942.7	2090.0	1958.5
82.5°	173.7	164.9	197.7	188.3	179.5	166.6	209.5	347.9	463.5	318.0	223.5
85°	133.8	124.4	150.2	144.3	123.2	85.1	124.4	170.2	187.8	107.4	84.5
87.5°	54.6	57.5	108.5	85.7	72.2	41.1	51.0	68.1	91.5	45.8	35.2
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)