

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: P317148

Luminaire Tested: **GAN-SA4A-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317148
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19215 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

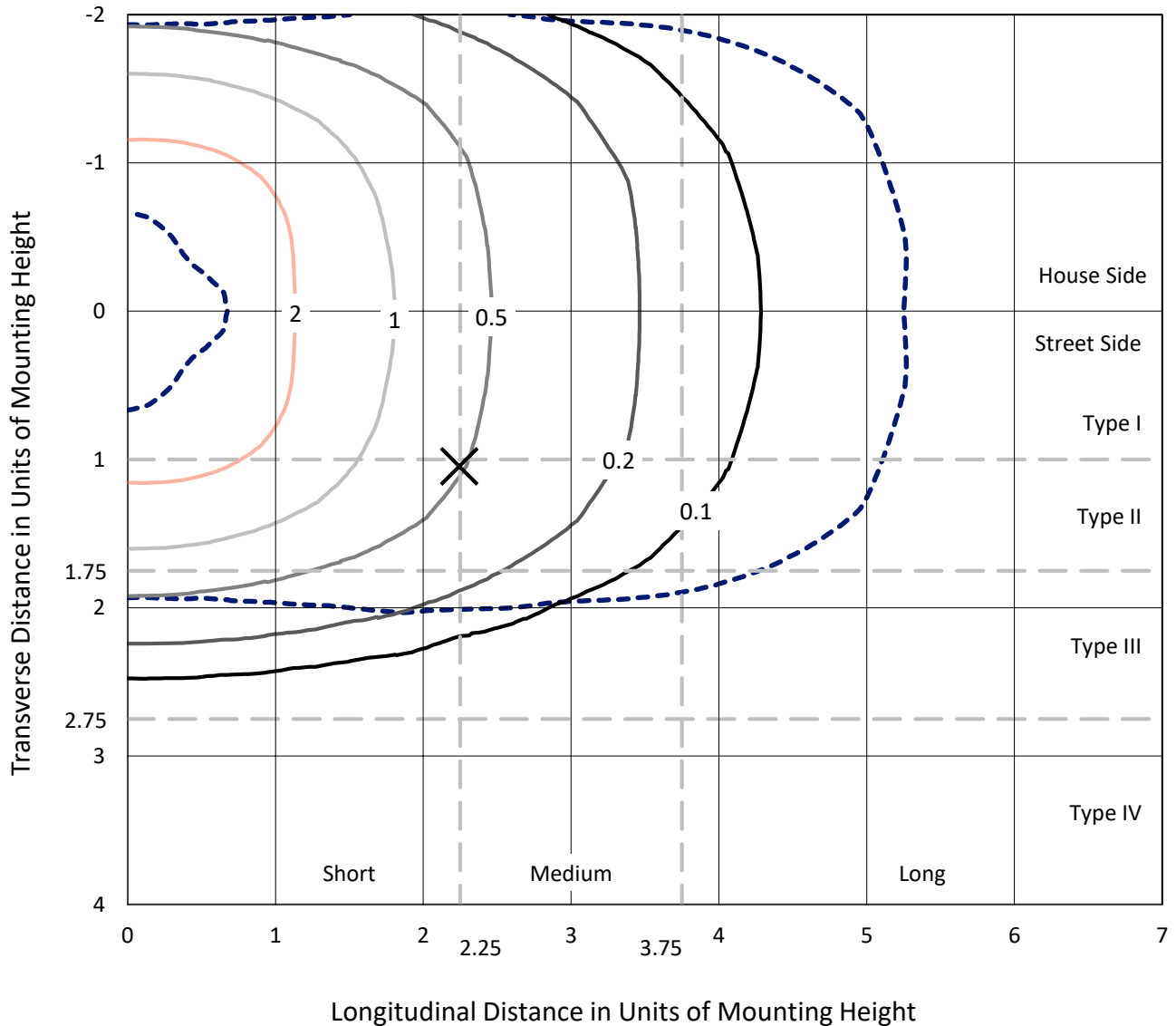
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

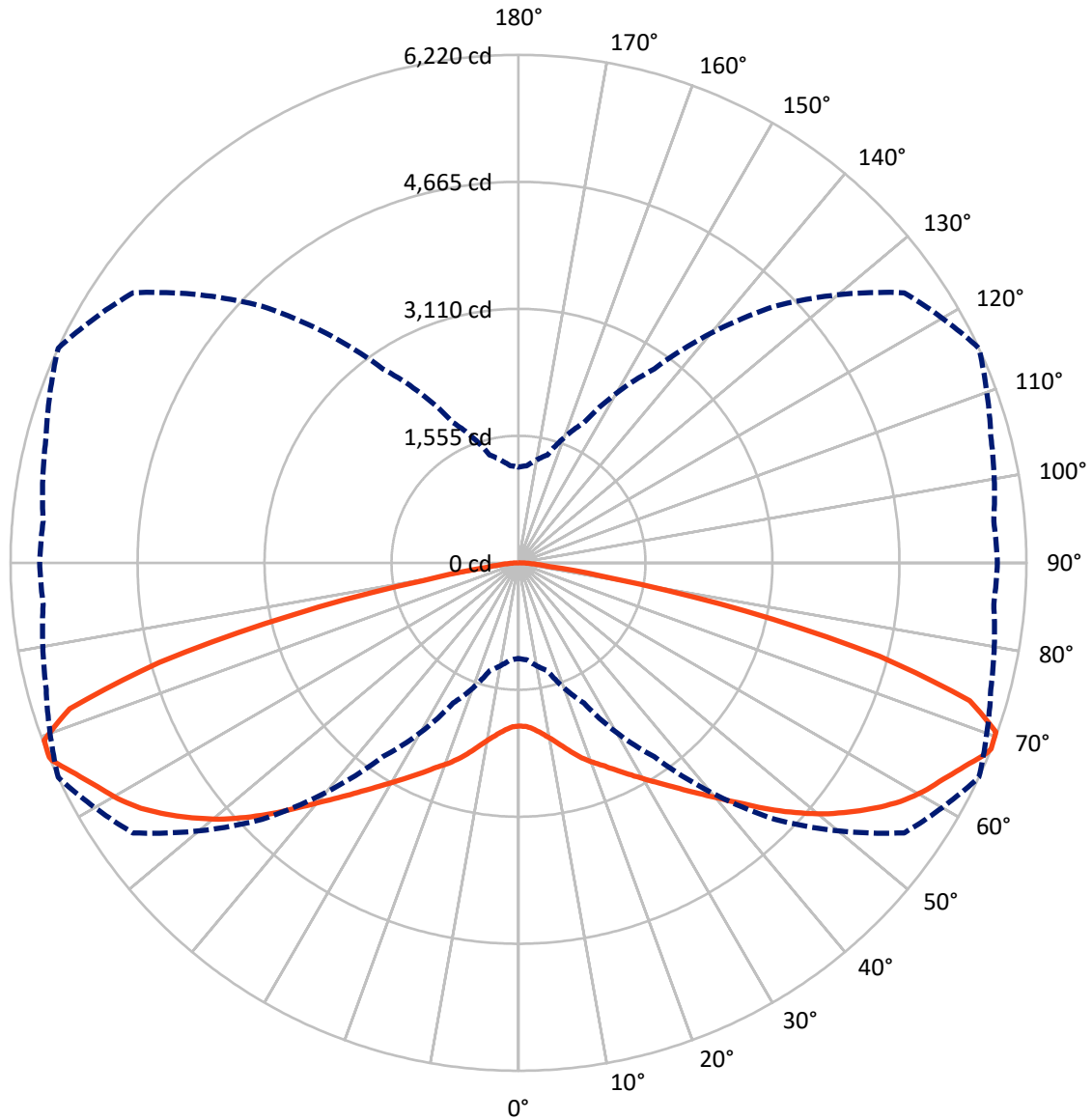
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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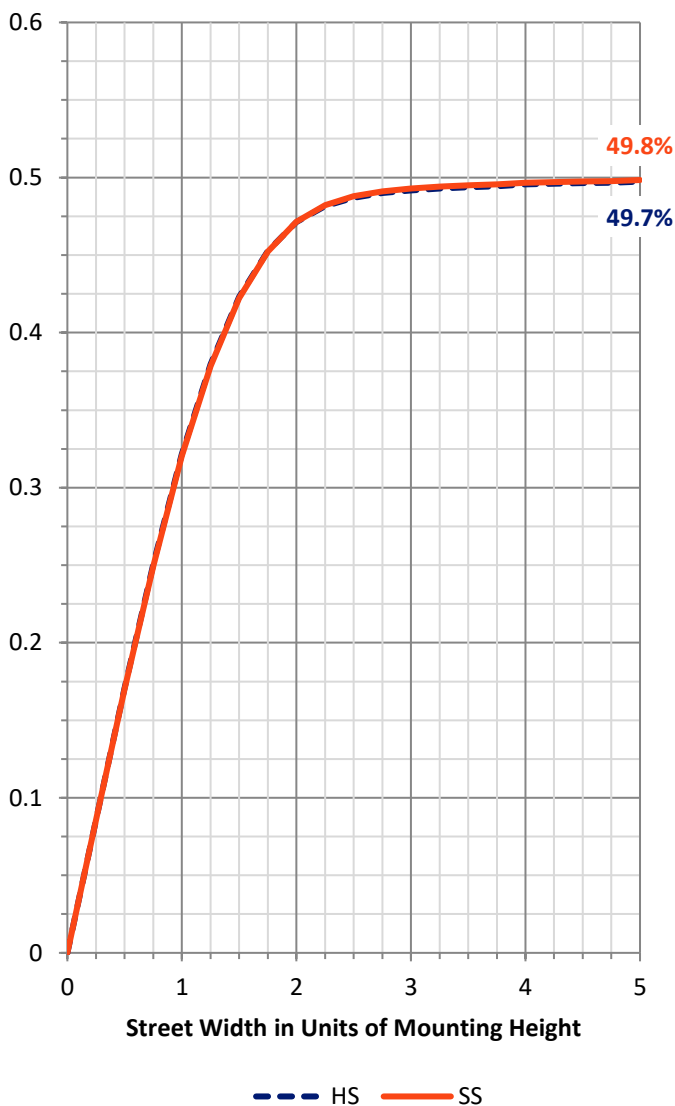
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9607.5	0.0	9607.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9607.5	0.0	9607.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19215.0	0.0	19215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	1.0
10°-20°	655.0	3.4
20°-30°	1277.0	6.6
30°-40°	2145.3	11.2
40°-50°	3380.3	17.6
50°-60°	4520.6	23.5
60°-70°	4394.6	22.9
70°-80°	2402.3	12.5
80°-90°	244.3	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°	19215.0	100.0
0°-180°	19215.0	100.0

Coefficient of Utilization

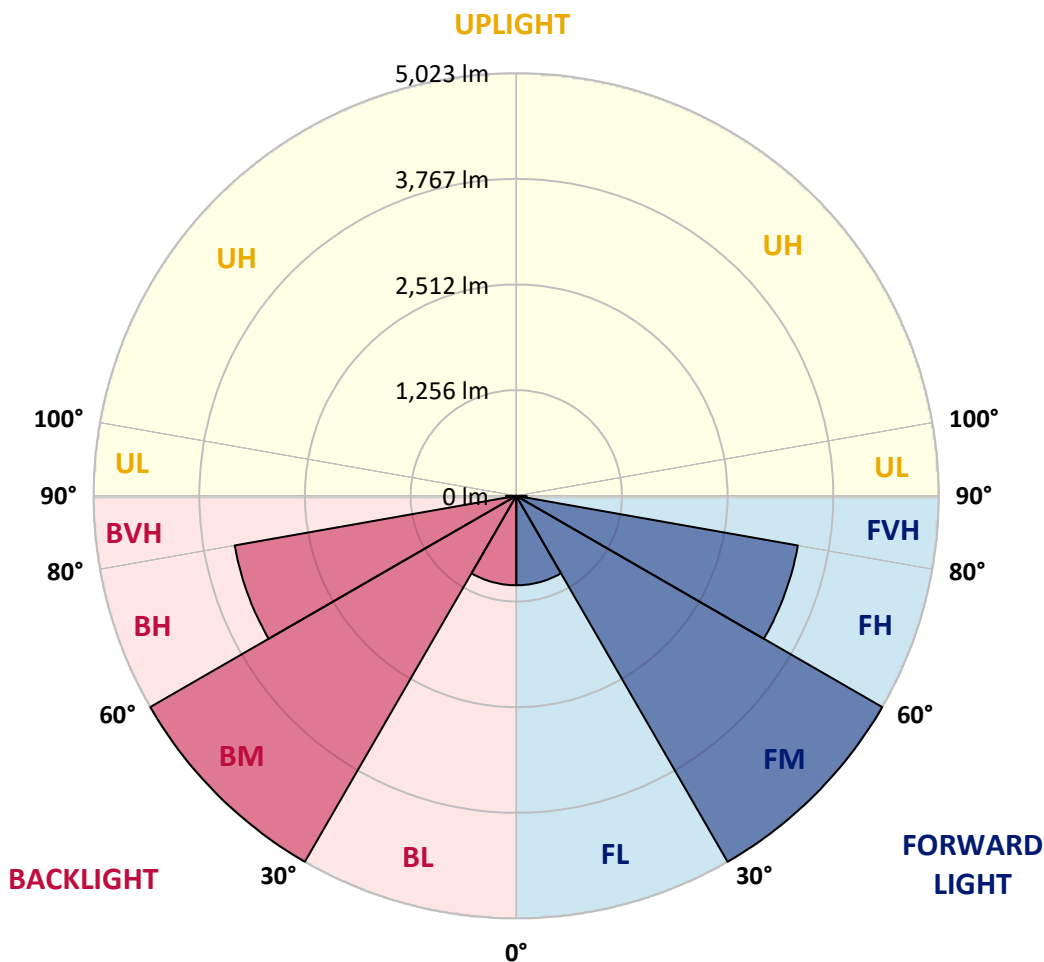


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1063.8	5.5			
FM (30°-60°)	5023.1	26.1			
FH (60°-80°)	3398.4	17.7			G2/5000
FVH (80°-90°)	122.2	0.6			G2/225
BL (0°-30°)	1063.8	5.5	B3/2500		
BM (30°-60°)	5023.1	26.1	B4/8500		
BH (60°-80°)	3398.4	17.7	B4/5000		G4/5000
BVH (80°-90°)	122.2	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°	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9	1997.9
2.5°	1983.7	1984.4	1987.6	1991.5	1994.7	2003.1	2005.0	2008.2	2009.5	2012.7	2012.7
5°	1966.3	1967.6	1975.4	1985.7	1997.3	2017.9	2032.7	2049.5	2057.8	2066.8	2066.2
7.5°	1964.4	1967.6	1978.6	1995.3	2014.7	2048.8	2079.7	2113.2	2135.8	2156.4	2155.1
10°	1984.4	1989.5	2005.0	2030.1	2059.1	2101.6	2147.4	2192.5	2231.8	2263.4	2264.6
12.5°	2014.7	2021.1	2045.6	2083.6	2127.4	2182.2	2236.3	2287.2	2341.3	2388.3	2392.2
15°	2054.6	2063.0	2099.7	2156.4	2223.4	2288.5	2346.5	2398.6	2461.1	2526.2	2532.7
17.5°	2113.9	2125.5	2173.8	2250.5	2338.7	2410.2	2470.8	2510.1	2562.3	2629.3	2641.5
20°	2204.1	2218.9	2280.1	2371.6	2479.2	2553.9	2600.3	2608.7	2634.5	2694.4	2708.5
22.5°	2321.3	2334.2	2402.5	2511.4	2631.9	2713.1	2737.5	2704.0	2701.5	2749.8	2763.3
25°	2452.1	2463.7	2543.0	2665.4	2794.9	2884.4	2883.8	2818.7	2773.6	2811.0	2825.2
27.5°	2599.0	2617.1	2693.1	2821.9	2960.5	3048.7	3043.6	2943.1	2857.4	2867.0	2879.3
30°	2767.8	2787.8	2861.9	2992.7	3131.2	3217.5	3211.1	3078.4	2949.5	2923.7	2932.8
32.5°	2977.2	3001.0	3071.3	3200.1	3322.5	3400.5	3381.8	3225.3	3060.3	3004.3	3012.6
35°	3229.1	3243.3	3317.4	3444.3	3543.5	3597.0	3557.7	3395.3	3200.8	3133.1	3133.1
37.5°	3484.3	3495.2	3578.3	3701.4	3797.4	3825.7	3749.1	3581.5	3384.4	3288.4	3290.3
40°	3729.1	3758.7	3852.1	3978.4	4073.1	4080.9	3979.1	3794.2	3588.6	3489.4	3501.0
42.5°	3984.9	4013.9	4125.3	4268.3	4352.1	4365.0	4245.8	4032.5	3819.3	3738.7	3751.6
45°	4212.9	4236.1	4365.0	4531.2	4635.6	4669.1	4528.0	4305.7	4068.6	3990.0	3993.2
47.5°	4372.1	4402.4	4544.1	4740.0	4892.0	4943.5	4805.0	4571.8	4314.1	4218.7	4227.1
50°	4516.4	4532.5	4676.2	4890.1	5083.4	5189.7	5071.1	4834.7	4562.1	4461.0	4470.0
52.5°	4596.9	4617.5	4756.7	4979.6	5208.3	5379.7	5307.6	5071.1	4801.8	4703.2	4714.2
55°	4540.9	4556.3	4723.2	4999.6	5285.7	5497.0	5507.9	5302.4	5037.0	4950.6	4981.6
57.5°	4285.7	4305.1	4508.7	4870.7	5295.3	5576.2	5658.7	5517.0	5256.7	5186.4	5204.5
60°	3886.9	3899.2	4116.3	4523.5	5107.2	5609.1	5754.7	5692.2	5471.9	5401.6	5426.1
62.5°	3176.3	3194.3	3454.0	3999.7	4709.7	5511.8	5847.5	5837.2	5672.2	5607.8	5629.7
65°	2171.2	2202.8	2490.1	3180.2	4097.0	5214.1	5931.9	6006.0	5849.4	5768.2	5797.2
67.5°	1311.1	1334.3	1542.4	2099.7	3135.1	4613.7	5844.9	6198.0	5974.4	5843.6	5867.4
68°	1171.9	1193.2	1367.2	1894.8	2899.9	4444.2	5765.6	6219.9	5987.9	5842.3	5863.6
70°	708.1	722.2	838.9	1171.3	1933.5	3525.5	5225.1	6201.8	6074.3	5860.4	5872.6
72.5°	461.3	465.8	485.1	601.1	987.7	1971.5	3921.7	5779.2	6203.8	5965.4	5963.4
75°	383.3	380.8	382.7	396.2	487.1	864.6	2291.7	4565.4	5913.8	5799.8	5759.2
77.5°	324.1	322.1	321.5	322.1	326.0	417.5	994.8	2843.8	4525.4	5130.4	5166.5
80°	262.2	259.6	268.0	264.2	252.6	259.6	416.8	1182.9	2133.2	2294.9	2150.6
82.5°	190.7	181.0	217.1	206.8	197.1	183.0	230.0	382.1	509.0	349.2	245.5
85°	146.9	136.6	164.9	158.5	135.3	93.4	136.6	186.8	206.2	117.9	92.8
87.5°	59.9	63.1	119.2	94.1	79.2	45.1	56.1	74.7	100.5	50.3	38.7
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)