

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: P316748

Luminaire Tested: **GAN-SA4A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17661 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

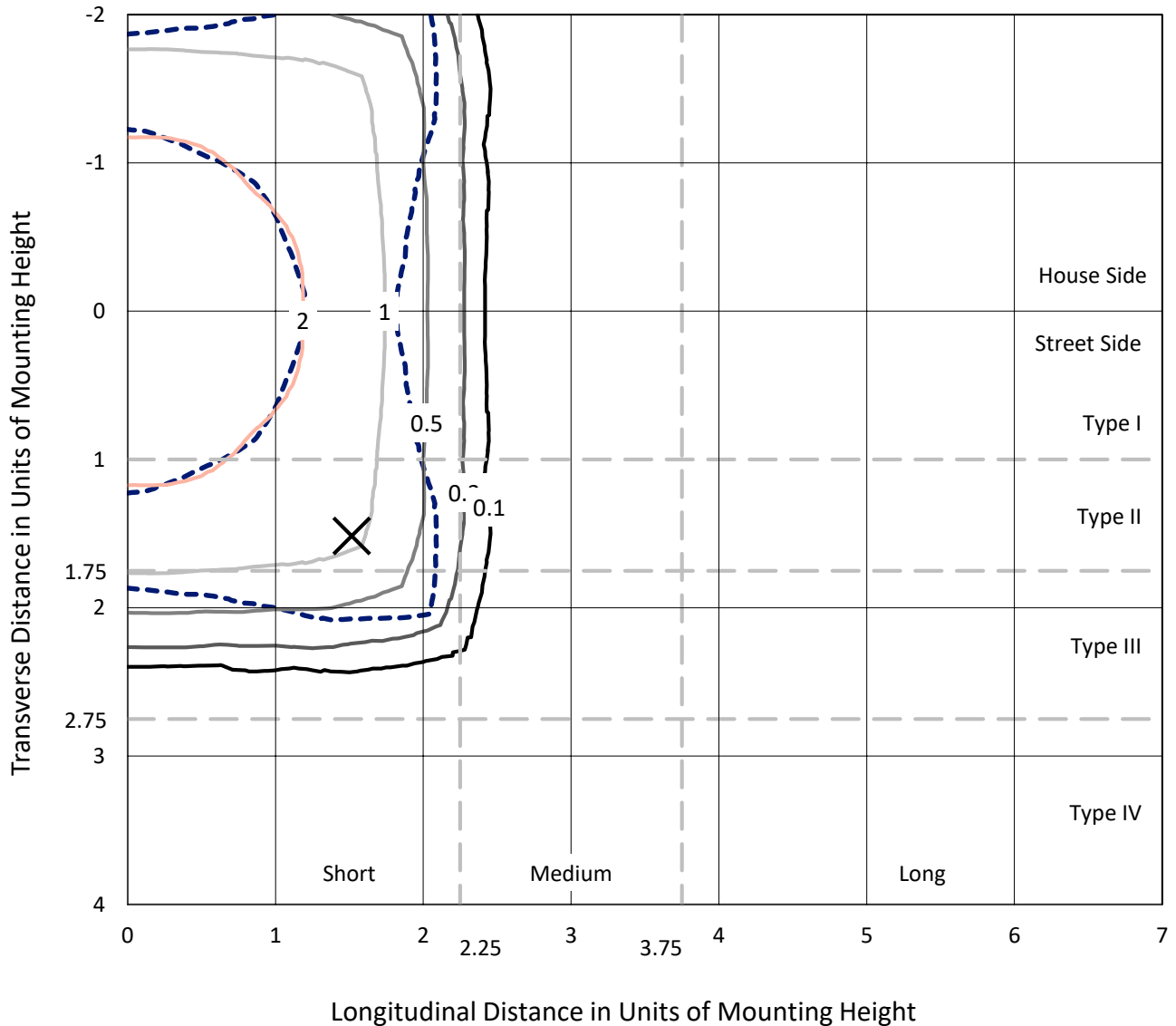
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

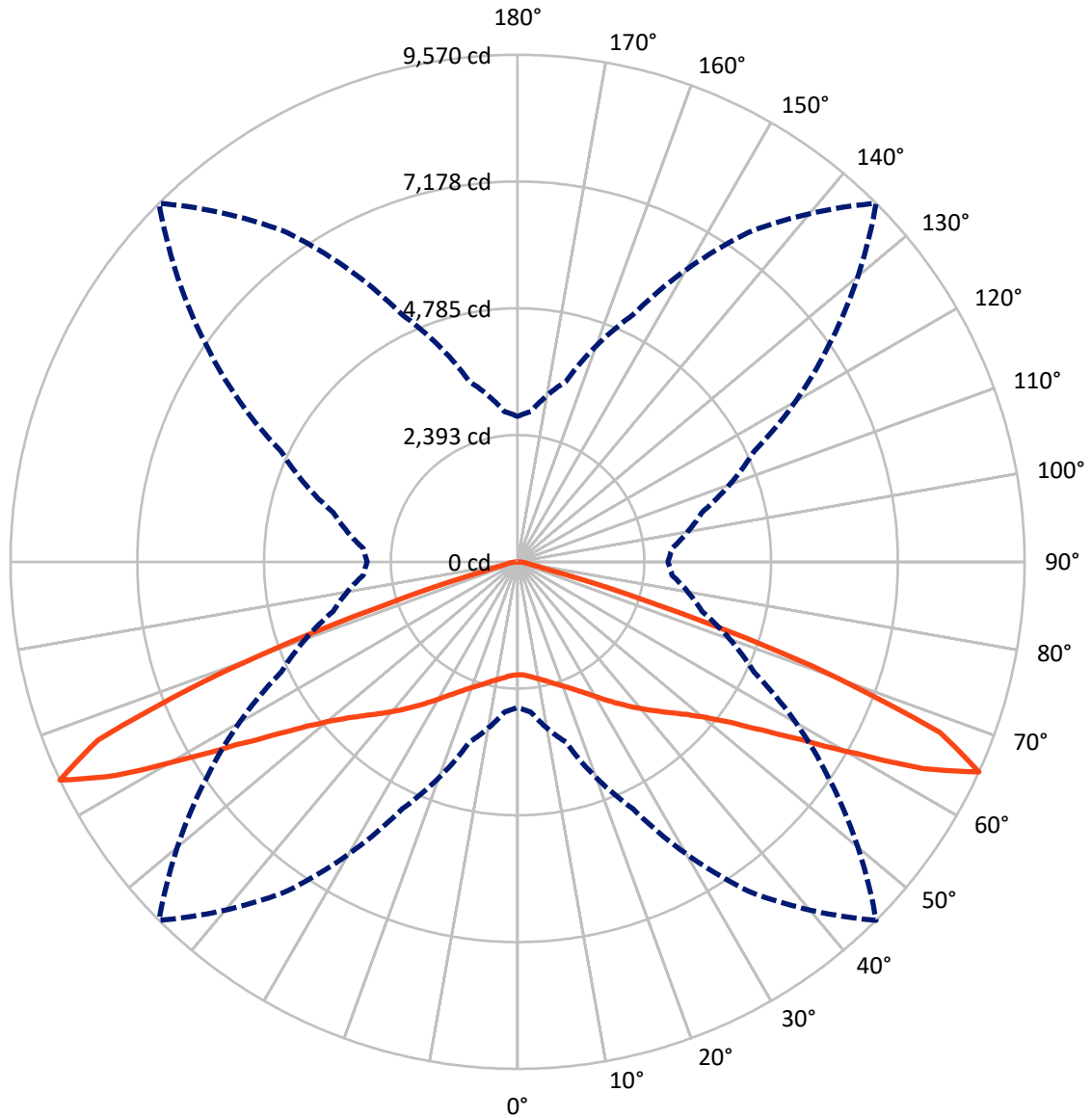
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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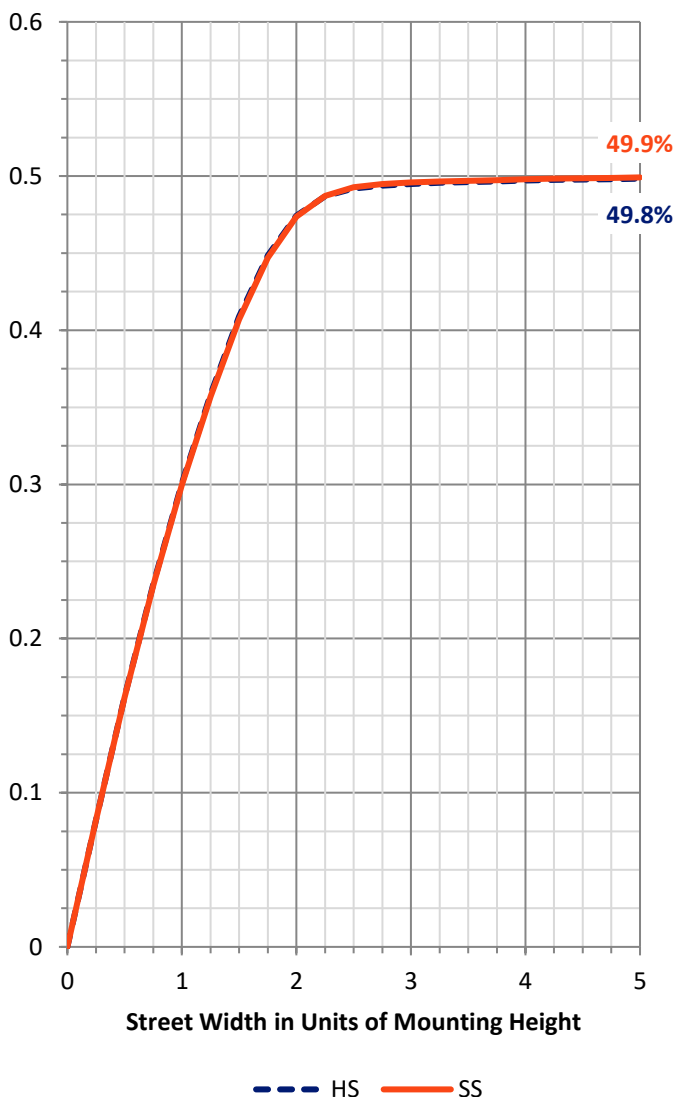
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8830.5	0.0	8830.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8830.5	0.0	8830.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17661.0	0.0	17661.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.2	1.2
10°-20°	672.6	3.8
20°-30°	1261.9	7.1
30°-40°	2087.0	11.8
40°-50°	3232.4	18.3
50°-60°	4957.7	28.1
60°-70°	4626.1	26.2
70°-80°	538.4	3.0
80°-90°	75.7	0.4
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°	17661.0	100.0
0°-180°	17661.0	100.0

Coefficient of Utilization

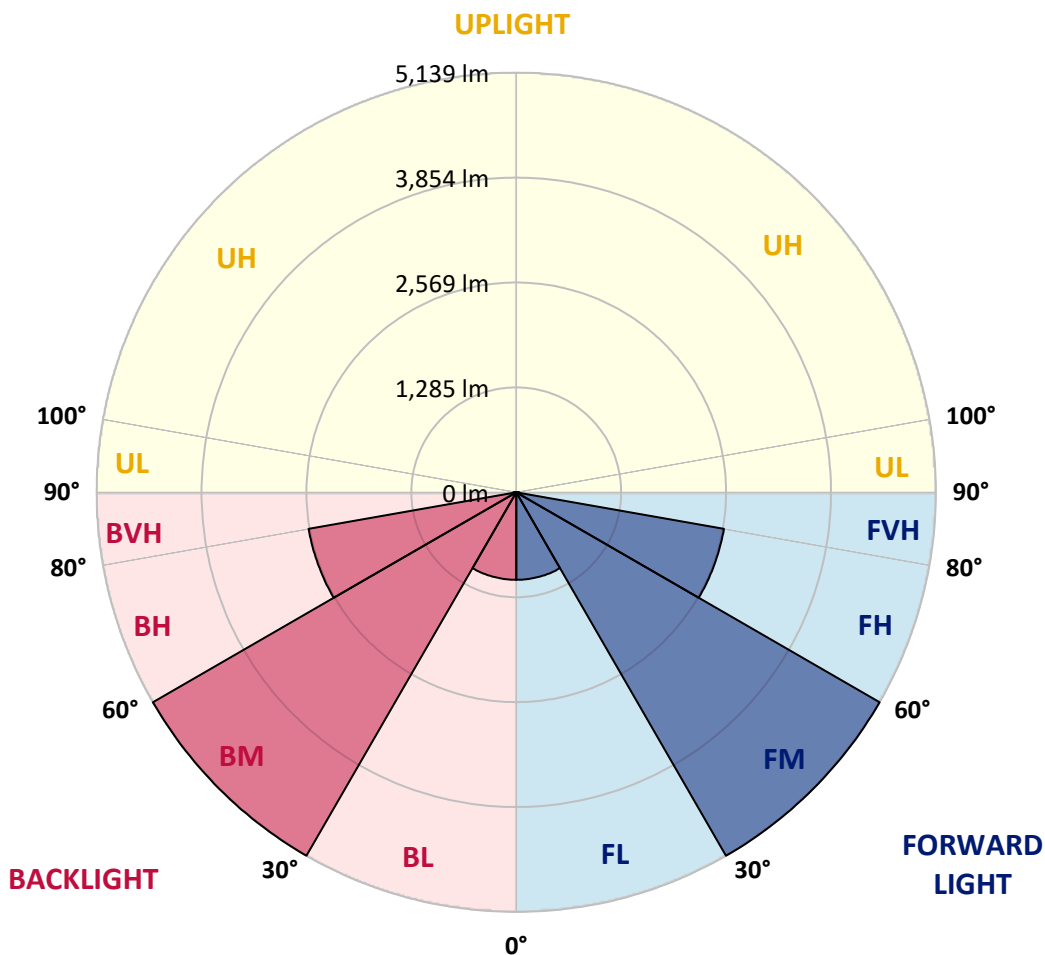


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.9	6.1			
FM (30°-60°)	5138.5	29.1			
FH (60°-80°)	2582.2	14.6			G2/5000
FVH (80°-90°)	37.8	0.2			G1/100
BL (0°-30°)	1071.9	6.1	B3/2500		
BM (30°-60°)	5138.5	29.1	B4/8500		
BH (60°-80°)	2582.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	37.8	0.2			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°	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8	2132.8
2.5°	2139.8	2138.7	2139.8	2140.4	2136.9	2138.7	2138.1	2141.0	2142.2	2141.0	2141.0
5°	2164.4	2162.7	2165.0	2168.0	2163.3	2164.4	2162.7	2166.2	2167.4	2165.0	2166.8
7.5°	2198.4	2199.0	2201.4	2206.7	2203.7	2206.1	2202.6	2203.1	2202.6	2199.0	2199.6
10°	2235.4	2236.0	2240.1	2247.1	2248.3	2248.3	2245.9	2244.2	2241.8	2239.5	2240.1
12.5°	2279.9	2282.9	2285.8	2294.6	2294.6	2299.3	2298.1	2293.4	2289.3	2285.8	2285.8
15°	2340.3	2339.7	2343.3	2352.0	2356.2	2363.8	2363.8	2357.3	2352.0	2348.5	2347.4
17.5°	2403.6	2405.4	2407.7	2418.3	2424.7	2433.5	2434.7	2429.4	2425.9	2421.2	2418.3
20°	2477.5	2480.4	2489.8	2493.9	2499.8	2508.0	2510.9	2509.8	2506.2	2503.9	2504.5
22.5°	2563.7	2571.3	2577.2	2583.0	2590.1	2595.9	2598.9	2603.0	2599.4	2597.7	2596.5
25°	2668.0	2673.3	2685.0	2695.6	2700.3	2702.0	2705.6	2711.4	2710.8	2706.7	2706.7
27.5°	2786.5	2796.4	2811.1	2826.3	2826.3	2820.5	2832.2	2842.2	2838.6	2833.4	2826.3
30°	2930.1	2939.5	2956.5	2977.6	2967.0	2962.9	2978.8	2996.9	2991.7	2982.9	2981.7
32.5°	3084.9	3093.7	3115.9	3138.8	3125.3	3119.5	3136.5	3162.8	3153.5	3135.9	3125.3
35°	3252.5	3261.3	3293.0	3320.5	3297.7	3287.7	3301.8	3330.5	3314.1	3281.3	3273.1
37.5°	3434.9	3439.5	3480.6	3508.7	3492.9	3466.5	3484.1	3505.2	3491.1	3451.3	3435.4
40°	3624.2	3641.2	3688.7	3721.5	3694.0	3652.4	3681.7	3711.0	3689.9	3638.9	3611.9
42.5°	3845.2	3858.1	3921.4	3950.8	3906.2	3847.6	3887.4	3927.3	3906.2	3857.0	3833.5
45°	4075.0	4095.0	4170.6	4199.9	4135.4	4061.0	4109.6	4179.4	4177.6	4106.7	4082.1
47.5°	4325.4	4345.3	4435.6	4474.3	4404.5	4304.9	4373.4	4471.9	4464.9	4386.9	4367.0
50°	4614.4	4635.5	4748.1	4796.7	4731.7	4615.6	4718.8	4805.5	4792.6	4696.5	4698.2
52.5°	4977.3	4976.1	5116.2	5200.7	5133.8	5031.2	5126.2	5210.6	5157.3	5024.2	5020.1
55°	5295.0	5314.4	5487.9	5648.0	5643.9	5604.6	5642.7	5646.2	5493.8	5316.7	5295.0
57.5°	5503.7	5540.7	5785.1	6074.8	6291.7	6343.8	6270.0	6046.0	5689.0	5405.8	5371.3
60°	5375.4	5431.6	5815.6	6406.0	7045.0	7351.6	6934.8	6240.1	5537.2	5142.6	5095.7
62.5°	4508.9	4603.8	5166.1	6245.9	7693.4	8589.8	7416.7	5928.8	4933.3	4389.9	4309.5
65°	2746.0	2846.3	3524.0	5140.9	7588.5	9570.0	7196.8	4921.0	3600.8	2924.8	2838.1
67.5°	915.1	944.5	1343.7	2841.6	5964.0	8598.6	5973.9	2945.9	1567.1	1038.8	1008.4
70°	358.2	361.1	426.2	823.7	2816.4	5905.9	3107.7	838.3	445.6	352.3	360.0
72.5°	263.2	264.4	282.6	344.1	734.0	2601.8	760.4	345.9	275.0	246.8	246.8
75°	211.6	211.6	224.5	250.9	328.9	596.8	333.6	248.0	215.2	197.0	194.6
77.5°	167.1	170.6	180.6	197.6	222.8	287.3	231.0	196.4	173.5	156.5	153.0
80°	124.3	127.8	144.2	152.4	160.0	199.3	170.6	153.6	137.2	117.3	113.7
82.5°	81.5	85.0	105.5	110.2	108.5	130.1	114.9	113.1	100.8	75.6	72.1
85°	53.3	54.5	70.4	73.3	67.4	59.2	73.3	77.4	70.4	49.2	47.5
87.5°	25.2	25.2	35.8	33.4	30.5	24.6	33.4	39.3	39.9	24.0	23.5
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)