

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: P529835

Luminaire Tested: **GLAN-SA5A-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14656 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

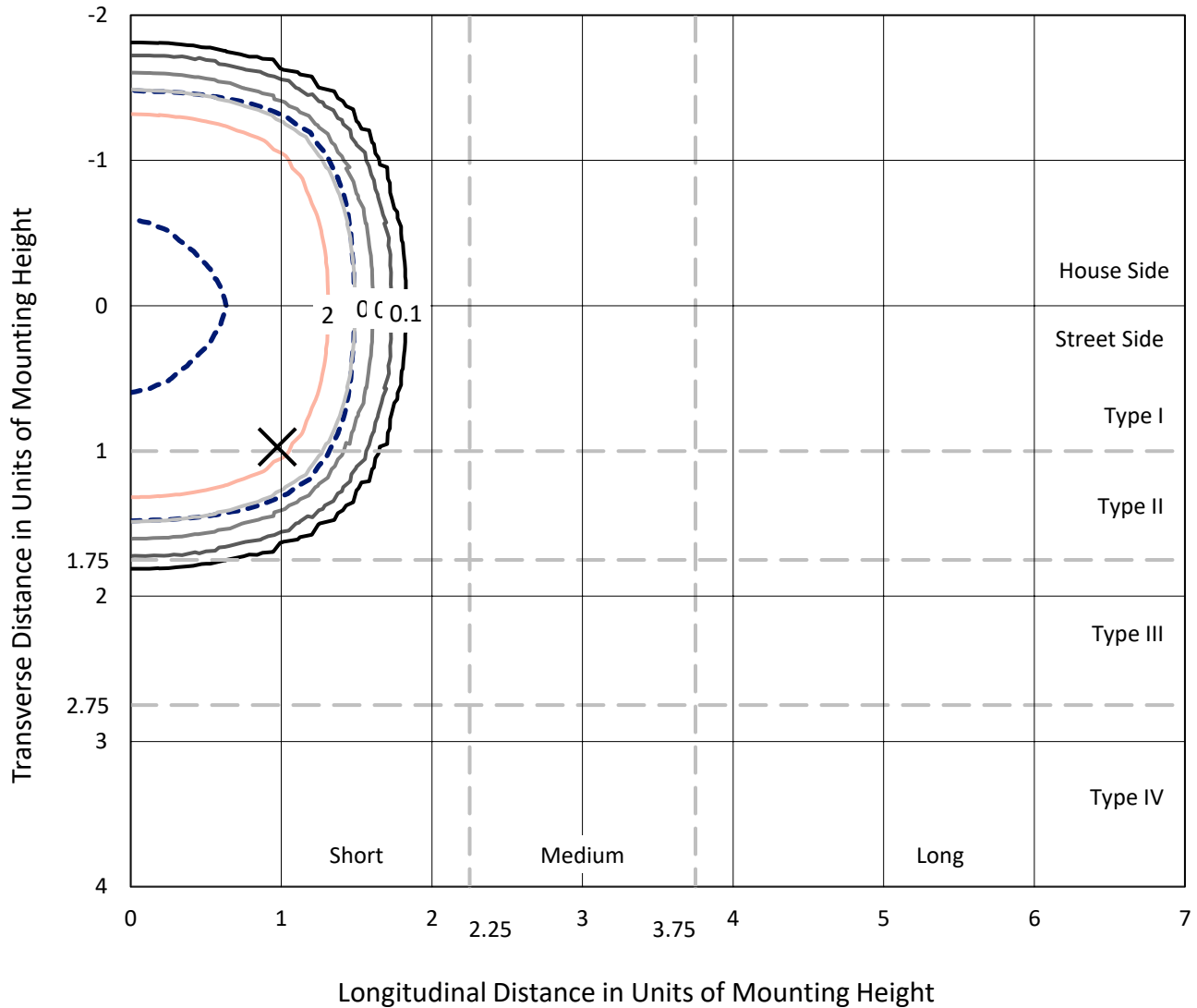
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

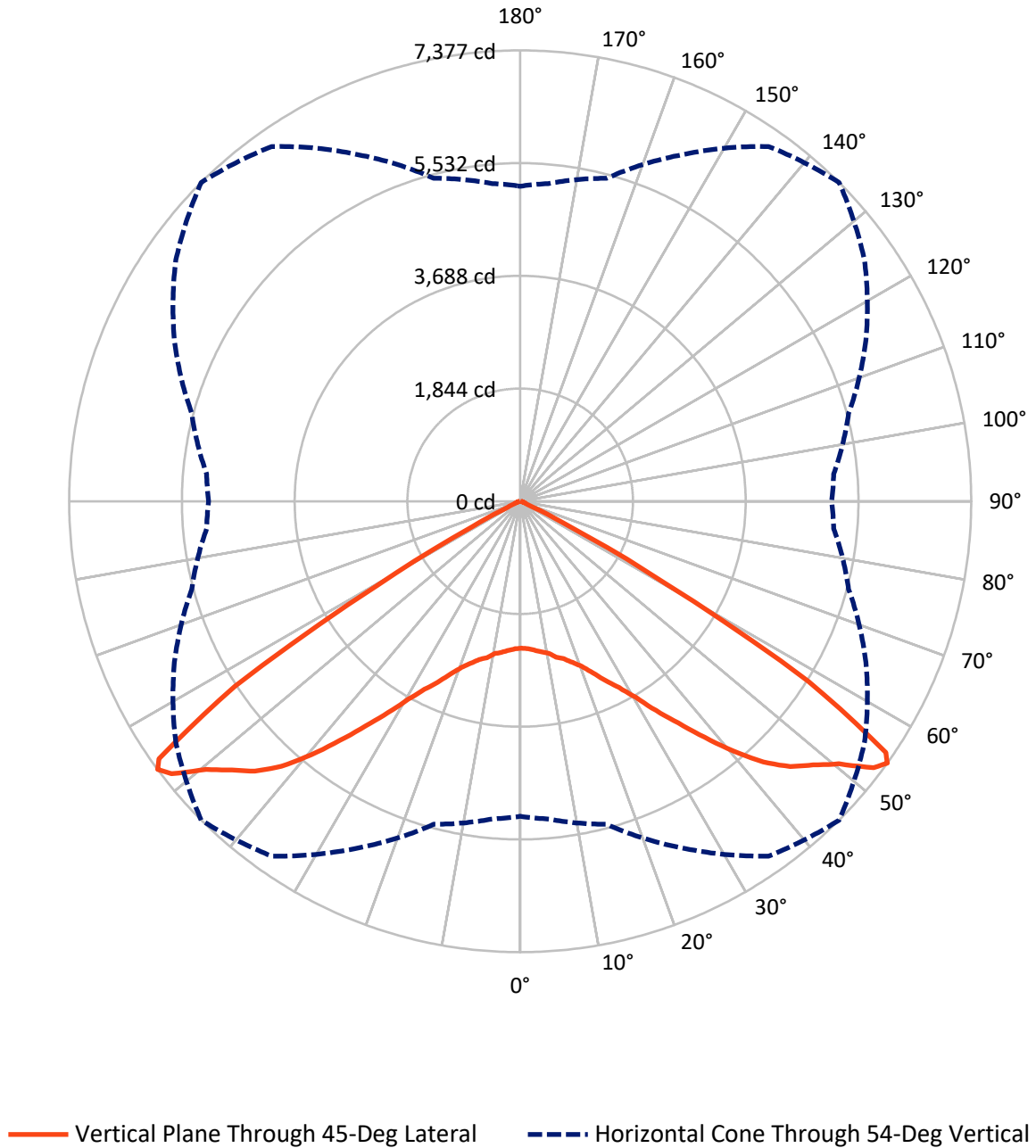
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7328.0	0.0	7328.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7328.0	0.0	7328.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14656.0	0.0	14656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	1.6
10°-20°	761.7	5.2
20°-30°	1492.9	10.2
30°-40°	2684.5	18.3
40°-50°	4595.4	31.4
50°-60°	4446.5	30.3
60°-70°	380.6	2.6
70°-80°	45.1	0.3
80°-90°	14.1	0.1
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°	14656.0	100.0
0°-180°	14656.0	100.0

Coefficient of Utilization



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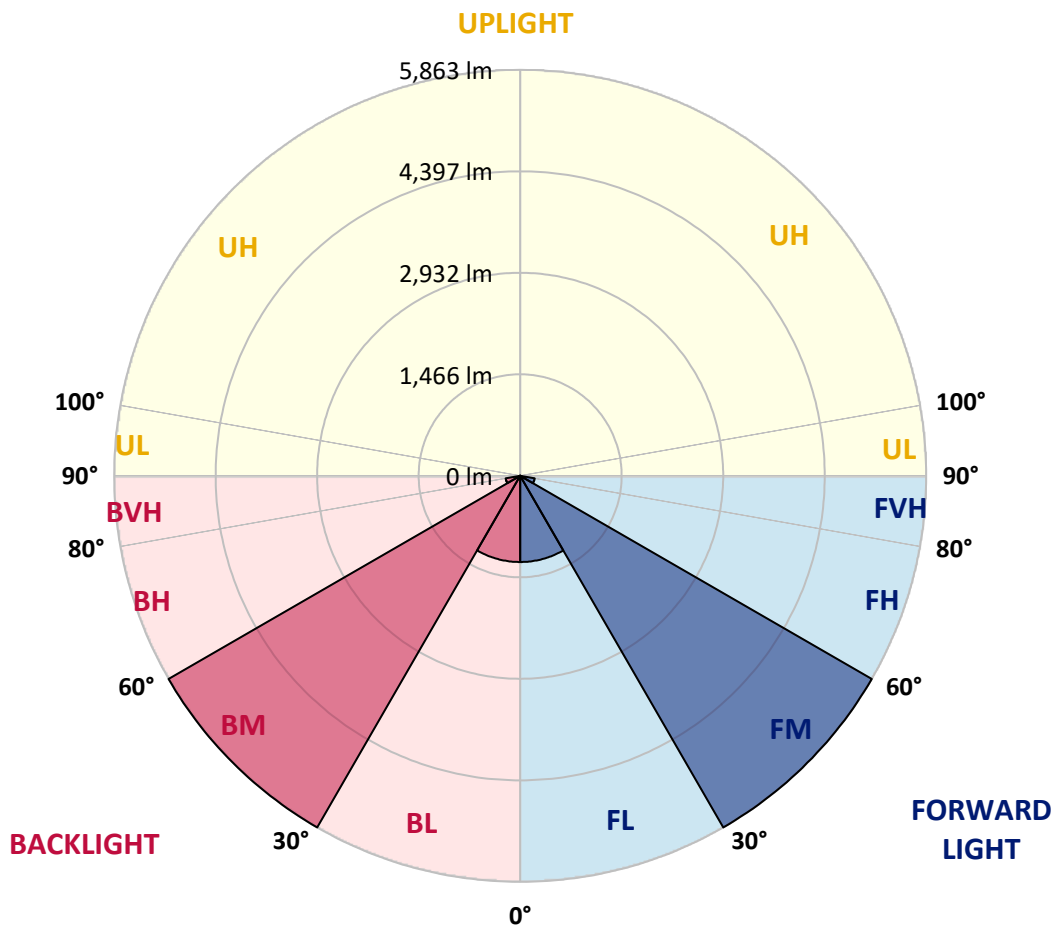
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1244.9	8.5			
FM (30°-60°)	5863.2	40.0			
FH (60°-80°)	212.9	1.5			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	1244.9	8.5	B3/2500		
BM (30°-60°)	5863.2	40.0	B4/8500		
BH (60°-80°)	212.9	1.5	B1/500		G0/660
BVH (80°-90°)	7.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1	2403.1
2.5°	2414.7	2428.7	2419.4	2426.3	2426.3	2414.7	2421.7	2393.8	2412.4	2398.5	2400.8
5°	2451.9	2449.6	2449.6	2451.9	2442.6	2447.2	2438.0	2428.7	2421.7	2412.4	2440.3
7.5°	2498.3	2498.3	2482.1	2486.7	2482.1	2489.0	2470.5	2451.9	2444.9	2438.0	2433.3
10°	2542.4	2537.8	2530.8	2551.7	2535.5	2526.2	2516.9	2505.3	2479.7	2470.5	2461.2
12.5°	2607.5	2605.1	2595.8	2616.7	2607.5	2616.7	2581.9	2551.7	2547.1	2516.9	2533.2
15°	2684.1	2705.0	2688.7	2688.7	2684.1	2672.5	2658.5	2644.6	2602.8	2591.2	2593.5
17.5°	2783.9	2776.9	2779.3	2779.3	2802.5	2772.3	2744.4	2709.6	2688.7	2681.8	2658.5
20°	2879.1	2888.4	2886.1	2902.3	2916.3	2883.8	2853.6	2848.9	2790.9	2800.2	2767.7
22.5°	3046.3	3039.3	3050.9	3062.5	3053.2	3048.6	3020.7	2985.9	2934.8	2911.6	2907.0
25°	3222.7	3211.1	3190.2	3218.1	3232.0	3252.9	3199.5	3181.0	3102.0	3067.2	3069.5
27.5°	3373.7	3389.9	3413.1	3424.7	3459.6	3452.6	3415.5	3355.1	3294.7	3255.3	3229.7
30°	3580.3	3589.6	3629.1	3645.3	3705.7	3721.9	3663.9	3594.2	3487.4	3436.4	3406.2
32.5°	3770.7	3835.7	3833.4	3914.7	4012.2	4079.5	3975.0	3868.2	3761.4	3701.0	3647.6
35°	4079.5	4067.9	4135.2	4221.1	4379.0	4455.7	4341.9	4218.8	4056.3	3958.8	3917.0
37.5°	4367.4	4372.1	4462.6	4599.6	4780.7	4899.1	4799.3	4597.3	4430.1	4304.7	4246.7
40°	4785.4	4794.6	4887.5	5043.1	5247.4	5375.1	5259.0	5054.7	4831.8	4734.3	4734.3
42.5°	5275.3	5314.7	5375.1	5509.8	5693.2	5834.8	5730.4	5570.1	5344.9	5219.5	5238.1
45°	5779.1	5797.7	5837.2	6036.8	6122.8	6192.4	6094.9	6020.6	5869.7	5716.4	5690.9
47.5°	6250.5	6257.4	6373.5	6436.2	6503.5	6445.5	6508.2	6410.7	6241.2	6092.6	6062.4
50°	6459.4	6447.8	6612.7	6803.1	6854.1	6752.0	6698.6	6633.6	6375.8	6197.1	6118.1
52.5°	5851.1	5918.4	6224.9	6754.3	7153.7	7239.6	6928.4	6628.9	6148.3	5800.0	5746.6
54°	5154.5	5217.2	5470.3	6255.1	7086.3	7376.6	6875.0	6238.8	5560.9	5147.6	5094.2
55°	4464.9	4395.3	4855.0	5656.1	6770.6	7255.8	6663.7	5735.0	4959.5	4581.0	4506.7
57.5°	2417.1	2428.7	2816.4	3573.3	4757.5	5563.2	4913.1	3879.8	2930.2	2505.3	2468.1
60°	766.2	784.8	954.3	1444.2	2273.1	2714.3	2326.5	1558.0	1077.3	863.7	828.9
62.5°	239.2	248.4	271.7	404.0	622.3	889.3	696.6	417.9	311.1	285.6	290.2
65°	146.3	146.3	148.6	157.9	185.7	215.9	209.0	183.4	176.5	171.8	169.5
67.5°	95.2	92.9	97.5	104.5	109.1	111.4	118.4	125.4	123.1	118.4	118.4
70°	58.0	55.7	60.4	69.7	72.0	76.6	83.6	92.9	90.6	85.9	88.2
72.5°	32.5	32.5	34.8	41.8	48.8	53.4	60.4	67.3	69.7	67.3	67.3
75°	11.6	13.9	18.6	25.5	30.2	37.1	44.1	51.1	58.0	53.4	51.1
77.5°	4.6	4.6	9.3	16.3	23.2	30.2	41.8	48.8	53.4	48.8	44.1
80°	2.3	2.3	7.0	13.9	20.9	27.9	34.8	41.8	44.1	39.5	34.8
82.5°	2.3	2.3	7.0	13.9	20.9	25.5	37.1	41.8	46.4	41.8	34.8
85°	0.0	2.3	7.0	13.9	18.6	20.9	20.9	13.9	11.6	7.0	7.0
87.5°	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)