

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: P316111

Luminaire Tested: **GAN-SA7A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31620 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

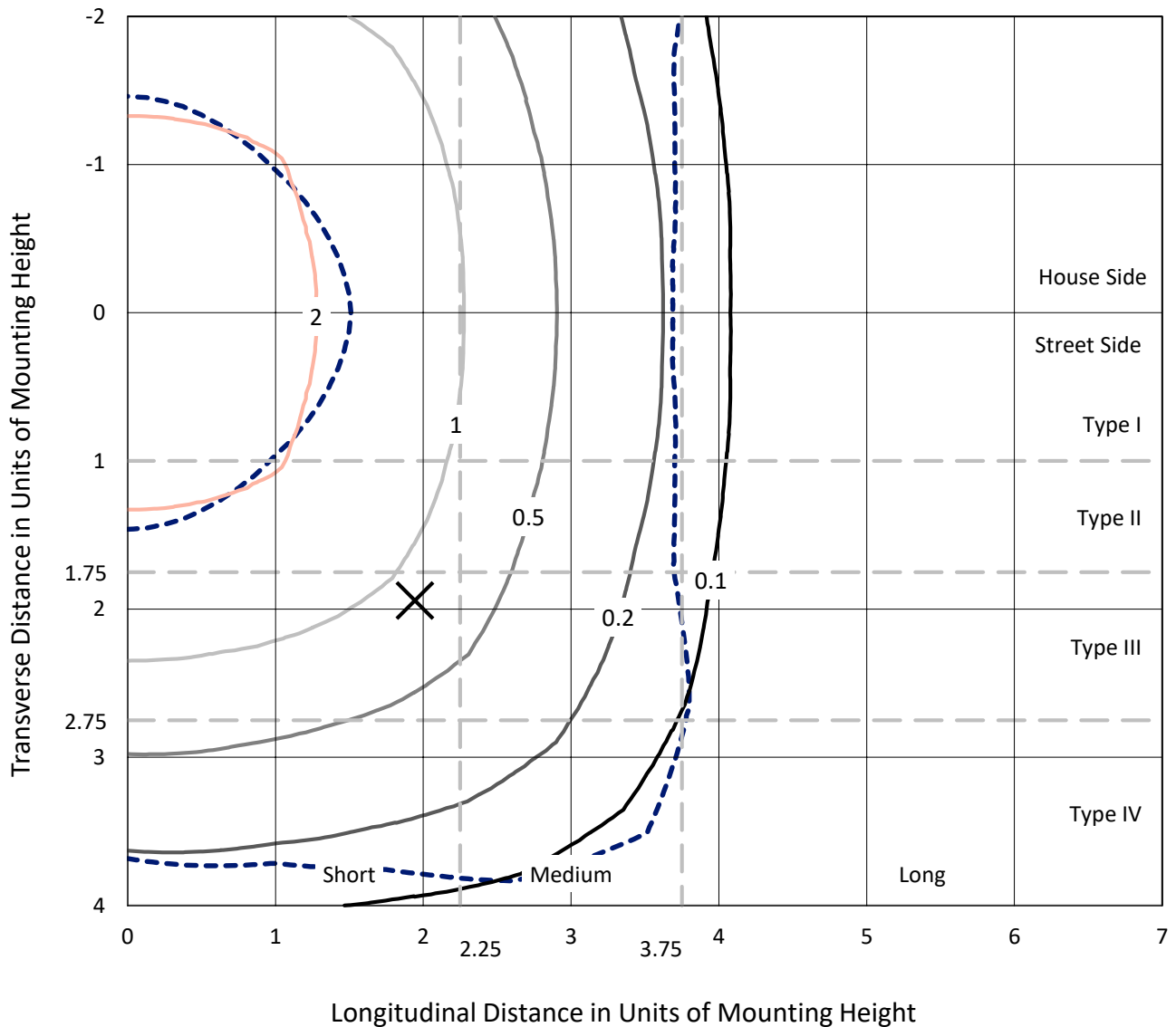
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

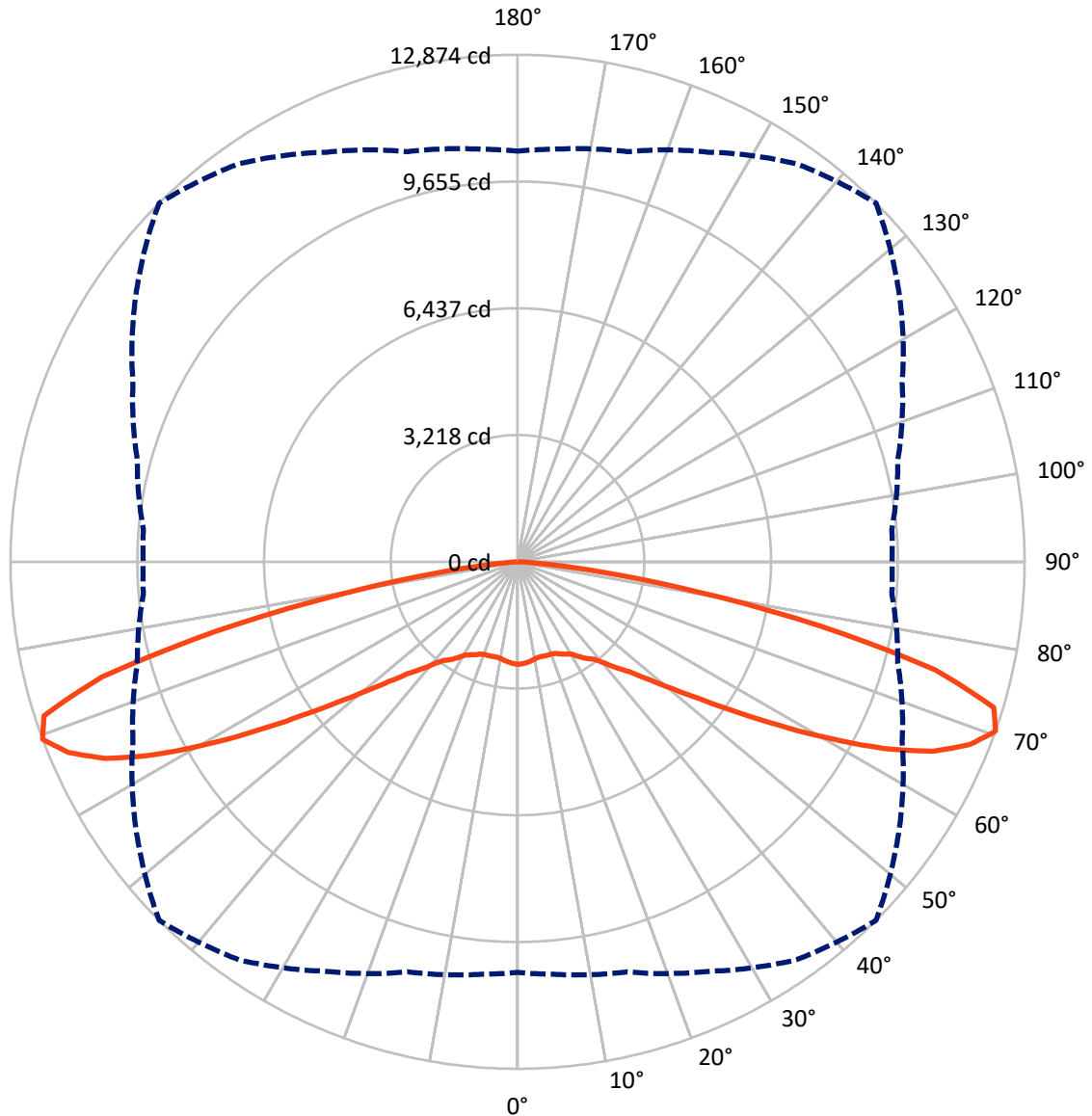
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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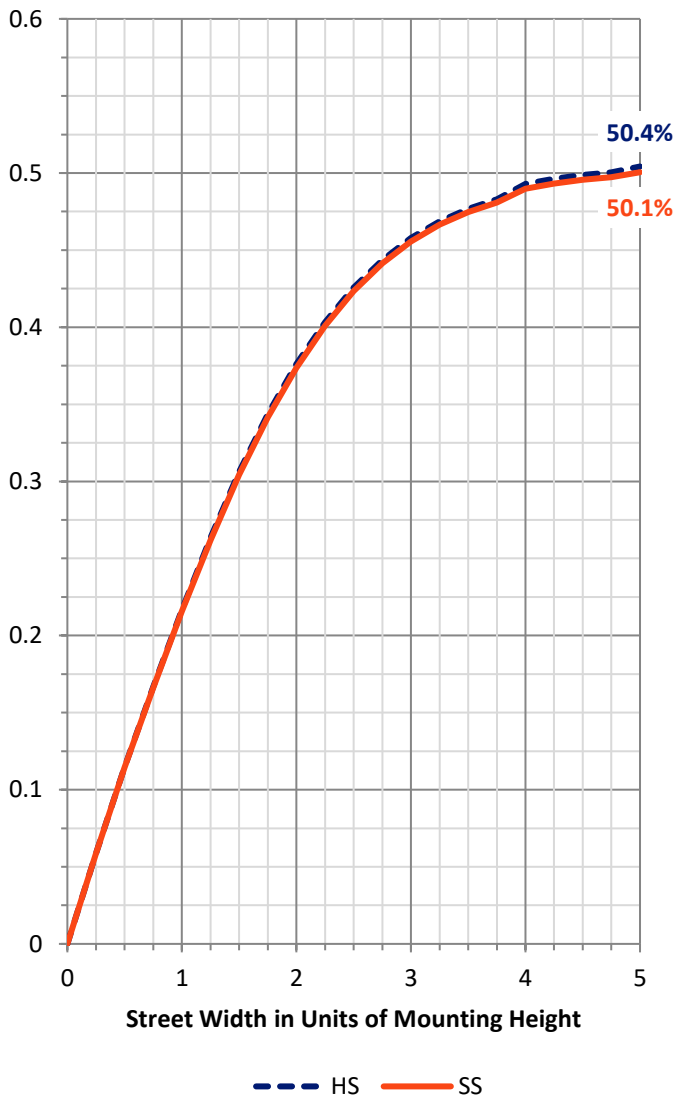
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15810.0	0.0	15810.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15810.0	0.0	15810.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31620.0	0.0	31620.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	0.8
10°-20°	709.5	2.2
20°-30°	1209.6	3.8
30°-40°	1890.1	6.0
40°-50°	3203.3	10.1
50°-60°	5841.4	18.5
60°-70°	10056.3	31.8
70°-80°	7882.5	24.9
80°-90°	584.5	1.8
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°	31620.0	100.0
0°-180°	31620.0	100.0

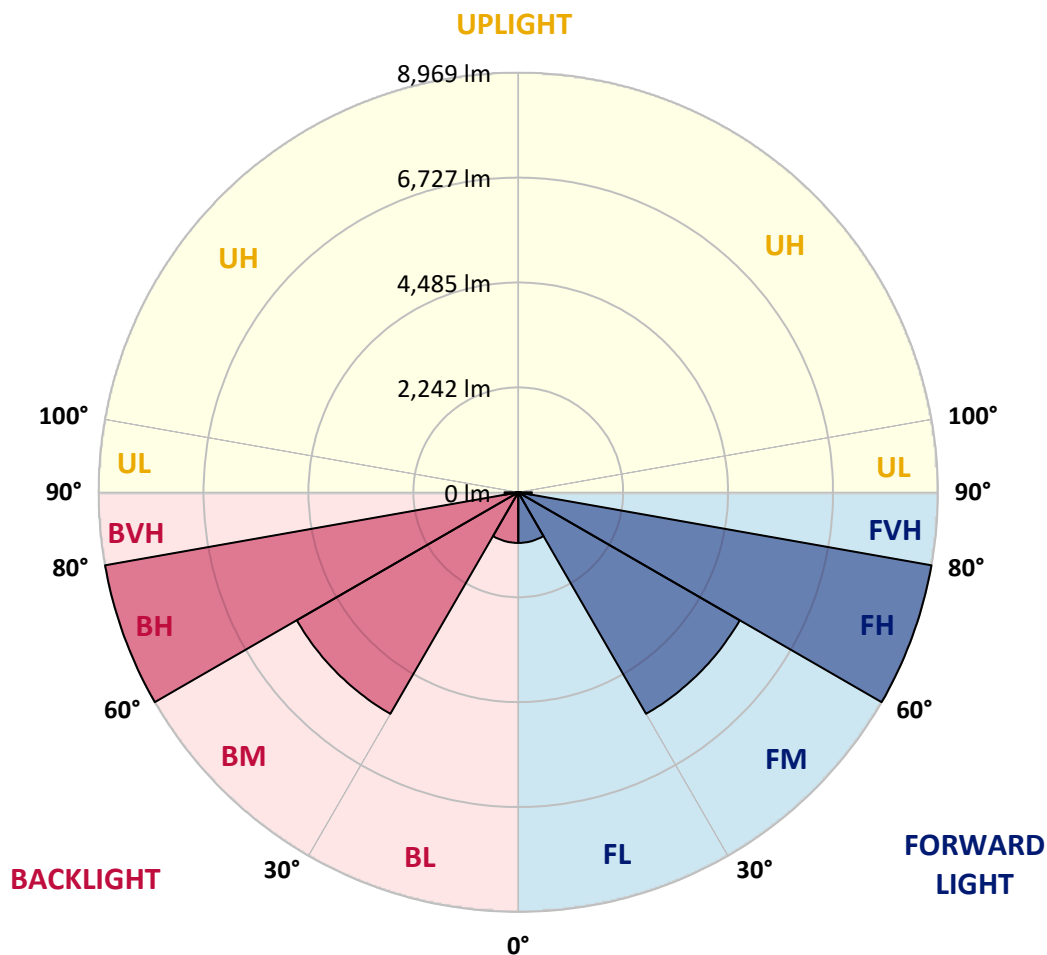


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.0	3.4			
FM (30°-60°)	5467.4	17.3			
FH (60°-80°)	8969.4	28.4			G4/12000
FVH (80°-90°)	292.2	0.9			G3/500
BL (0°-30°)	1081.0	3.4	B3/2500		
BM (30°-60°)	5467.4	17.3	B4/8500		
BH (60°-80°)	8969.4	28.4	B5		G4/12000
BVH (80°-90°)	292.2	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3	2602.3
2.5°	2590.8	2594.0	2590.8	2592.9	2587.7	2589.8	2589.8	2589.8	2588.7	2589.8	2587.7
5°	2567.8	2569.9	2565.7	2567.8	2564.7	2567.8	2568.9	2567.8	2565.7	2566.8	2562.6
7.5°	2533.3	2535.4	2532.3	2535.4	2531.2	2536.4	2535.4	2532.3	2529.1	2529.1	2524.9
10°	2514.5	2515.5	2507.1	2504.0	2494.6	2496.7	2499.8	2503.0	2506.1	2512.4	2511.3
12.5°	2515.5	2515.5	2503.0	2489.4	2475.8	2478.9	2484.1	2495.6	2508.2	2519.7	2520.7
15°	2526.0	2524.9	2506.1	2484.1	2474.7	2484.1	2487.3	2494.6	2514.5	2534.3	2535.4
17.5°	2533.3	2533.3	2504.0	2478.9	2477.9	2492.5	2491.5	2494.6	2516.6	2545.8	2546.9
20°	2546.9	2546.9	2509.2	2482.0	2482.0	2497.7	2498.8	2504.0	2526.0	2558.4	2563.6
22.5°	2577.2	2578.3	2538.5	2516.6	2518.7	2528.1	2531.2	2539.6	2559.4	2595.0	2601.3
25°	2620.1	2622.2	2581.4	2568.9	2576.2	2594.0	2591.9	2598.1	2620.1	2654.6	2660.9
27.5°	2679.7	2674.5	2636.8	2631.6	2638.9	2651.5	2650.4	2651.5	2669.3	2700.6	2708.0
30°	2757.1	2755.0	2727.8	2731.0	2727.8	2723.7	2724.7	2733.1	2742.5	2767.6	2774.9
32.5°	2832.4	2834.5	2817.8	2833.5	2856.5	2872.2	2848.1	2825.1	2814.7	2828.3	2834.5
35°	2968.4	2973.6	2947.5	2937.0	2968.4	3014.4	2946.4	2908.8	2929.7	2947.5	2952.7
37.5°	3199.6	3202.7	3158.8	3116.9	3093.9	3137.9	3069.9	3073.0	3146.2	3179.7	3178.7
40°	3463.1	3464.2	3434.9	3398.3	3358.6	3369.0	3341.8	3350.2	3398.3	3428.6	3437.0
42.5°	3776.9	3773.8	3727.8	3675.5	3664.0	3674.4	3628.4	3622.1	3677.6	3732.0	3733.0
45°	4183.8	4176.5	4116.9	4059.3	4003.9	3980.9	3969.4	3999.7	4076.1	4126.3	4127.3
47.5°	4622.1	4602.2	4570.8	4524.8	4476.7	4453.7	4434.8	4449.5	4504.9	4524.8	4526.9
50°	5072.9	5077.1	5083.3	5065.5	5047.8	5040.4	4991.3	4963.0	4979.8	4943.2	4937.9
52.5°	5607.4	5615.7	5676.4	5727.6	5758.0	5773.7	5680.6	5583.3	5528.9	5457.8	5436.9
55°	6238.1	6251.7	6340.6	6482.8	6629.2	6706.6	6538.3	6356.3	6187.9	6055.0	6012.1
57.5°	6940.9	6965.0	7087.4	7360.4	7660.6	7843.6	7559.1	7228.6	6903.3	6711.9	6678.4
60°	7765.2	7788.2	7957.6	8348.8	8835.2	9110.2	8679.3	8138.6	7733.8	7550.7	7489.0
62.5°	8746.3	8748.3	8956.5	9413.6	10055.8	10438.6	9855.0	9132.2	8714.9	8494.2	8434.6
65°	9801.6	9806.9	10022.3	10516.0	11180.2	11596.5	10937.5	10184.4	9674.0	9348.7	9302.7
67.5°	10547.4	10569.4	10796.3	11390.4	12011.7	12387.2	11705.3	10853.9	10263.9	9875.9	9837.2
70°	10428.1	10513.9	10780.6	11474.1	12338.1	12873.6	11829.7	10774.4	9996.2	9538.0	9505.6
72.5°	9094.6	9258.8	9614.4	10524.4	11906.1	12643.5	11150.9	9650.0	8769.3	8379.1	8320.6
75°	6193.1	6459.8	6996.4	8309.0	10171.9	10946.9	9387.4	7694.0	6865.6	6325.9	6286.2
77.5°	2761.3	2822.0	3501.8	5013.3	7019.4	7861.4	6820.7	5033.1	3778.0	3013.4	2852.3
80°	769.8	779.2	1039.7	1867.0	3513.4	4618.9	3771.7	1961.2	1102.4	777.1	732.2
82.5°	244.8	265.7	324.2	484.3	1180.9	2107.6	1212.3	523.0	372.4	297.1	267.8
85°	119.2	118.2	164.2	196.6	301.2	466.5	321.1	242.7	212.3	141.2	127.6
87.5°	50.2	51.3	76.4	69.0	87.9	75.3	103.5	108.8	114.0	62.8	54.4
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)