

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: P316469

Luminaire Tested: **GAN-SA5A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24468 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

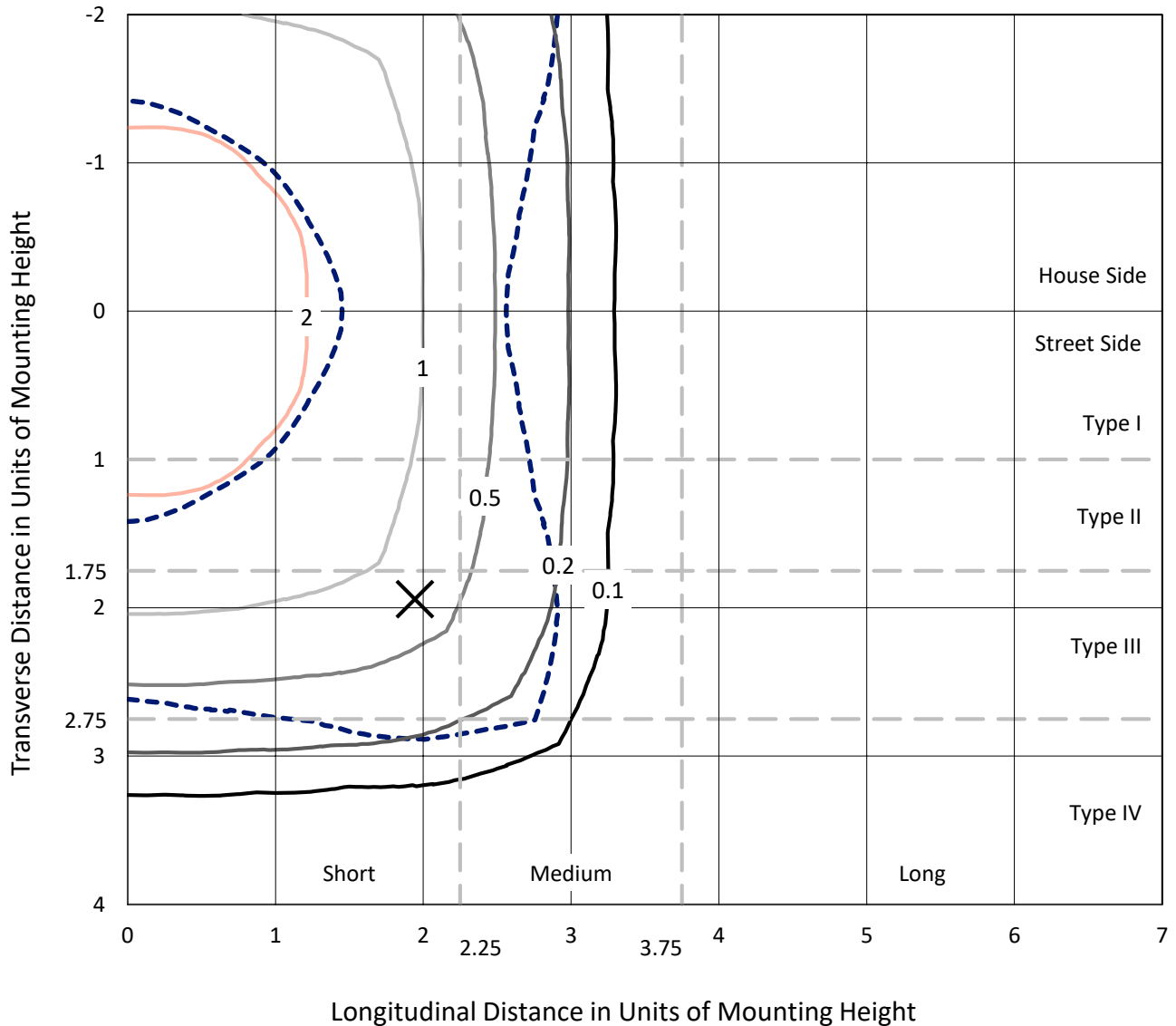
Input Watts (W): 162
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

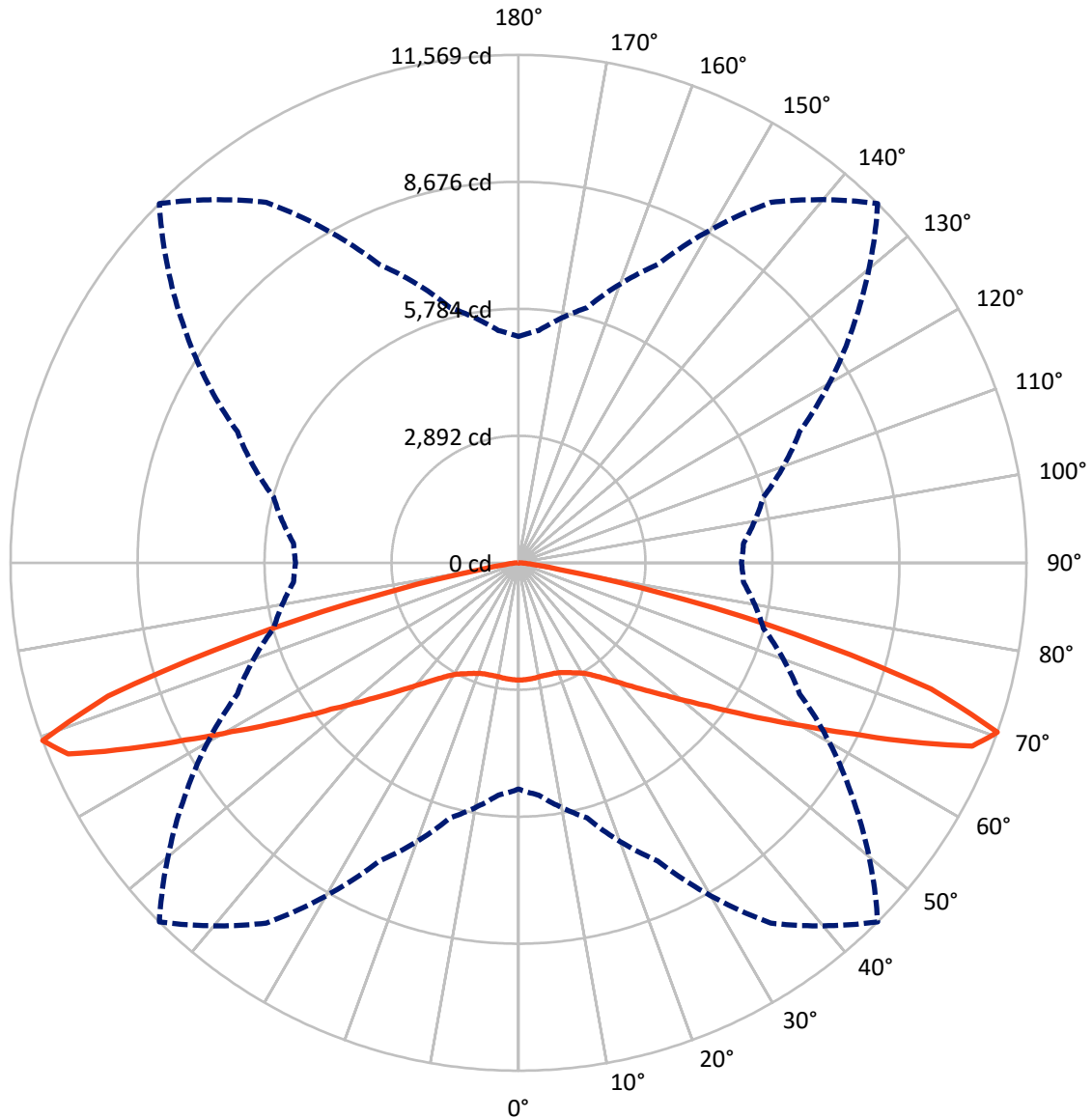
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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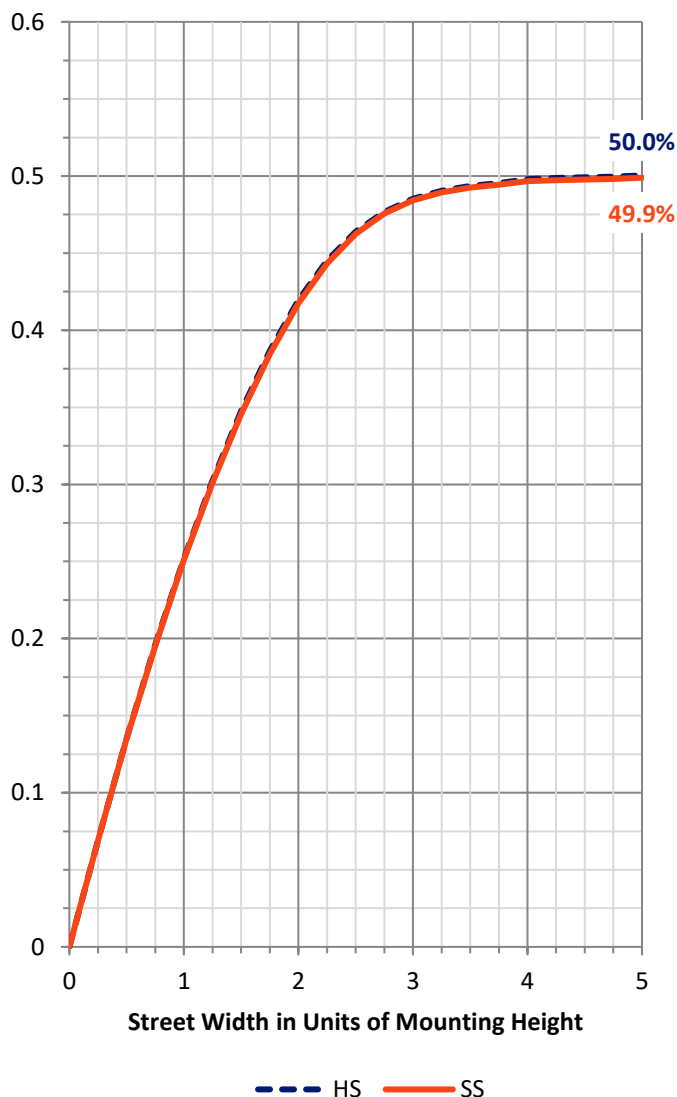
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12234.0	0.0	12234.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12234.0	0.0	12234.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24468.0	0.0	24468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	1.0
10°-20°	743.0	3.0
20°-30°	1264.9	5.2
30°-40°	2006.0	8.2
40°-50°	3264.5	13.3
50°-60°	5382.5	22.0
60°-70°	7901.7	32.3
70°-80°	3494.1	14.3
80°-90°	158.2	0.6
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°	24468.0	100.0
0°-180°	24468.0	100.0

Coefficient of Utilization



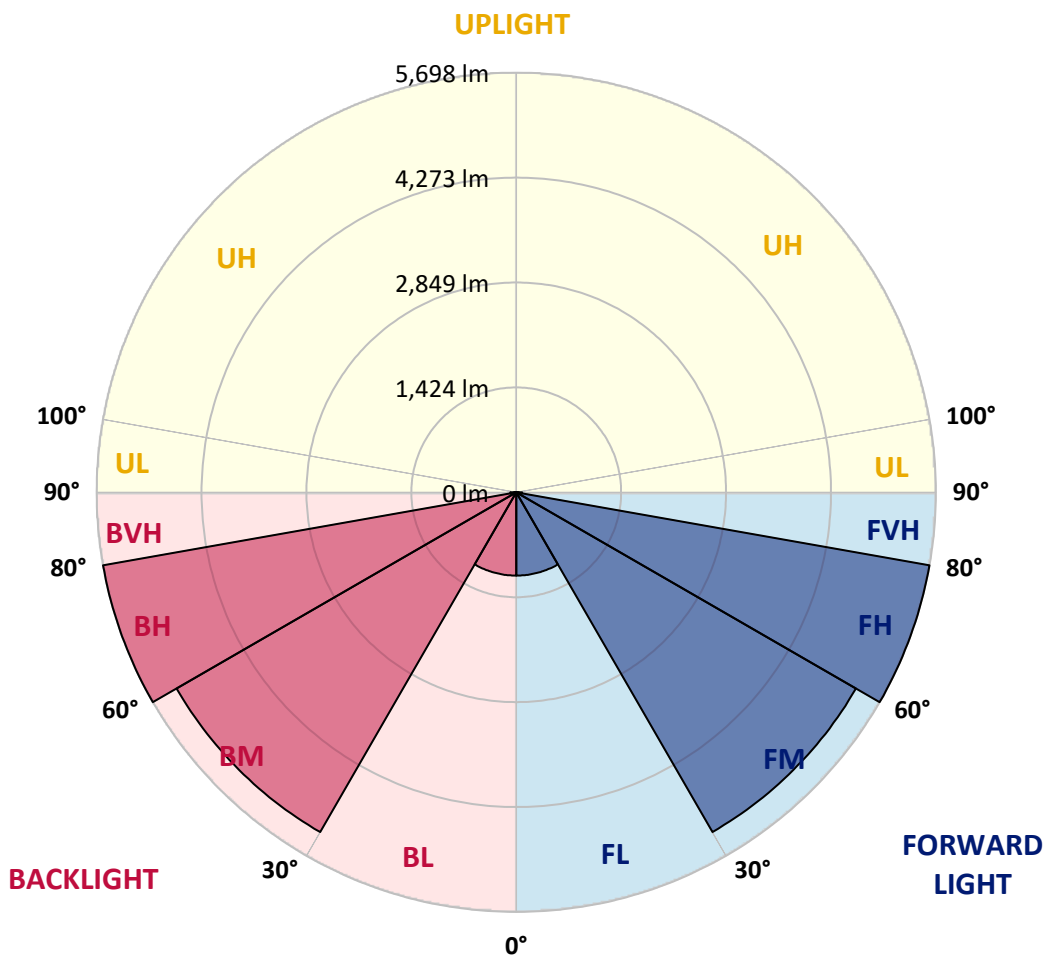
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.5	4.6			
FM (30°-60°)	5326.5	21.8			
FH (60°-80°)	5697.9	23.3			G3/7500
FVH (80°-90°)	79.1	0.3			G1/100
BL (0°-30°)	1130.5	4.6	B3/2500		
BM (30°-60°)	5326.5	21.8	B4/8500		
BH (60°-80°)	5697.9	23.3	B5		G3/7500
BVH (80°-90°)	79.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3	2672.3
2.5°	2668.2	2665.8	2671.5	2670.7	2665.8	2666.6	2666.6	2669.0	2669.0	2667.4	2667.4
5°	2658.5	2656.9	2663.4	2663.4	2658.5	2660.1	2661.8	2664.2	2663.4	2661.8	2660.9
7.5°	2646.4	2645.6	2652.0	2652.0	2648.8	2650.4	2648.8	2649.6	2648.0	2646.4	2643.9
10°	2626.1	2627.7	2633.4	2635.0	2635.0	2635.8	2634.2	2630.2	2627.7	2625.3	2622.9
12.5°	2607.5	2606.7	2614.8	2618.8	2625.3	2632.6	2627.7	2616.4	2611.6	2606.7	2605.1
15°	2595.4	2596.2	2604.3	2611.6	2622.9	2638.3	2632.6	2614.8	2605.1	2599.4	2597.8
17.5°	2592.9	2594.5	2605.1	2618.0	2630.2	2647.2	2643.9	2626.1	2609.9	2599.4	2597.0
20°	2598.6	2599.4	2615.6	2634.2	2655.3	2671.5	2664.2	2644.8	2622.9	2606.7	2602.6
22.5°	2609.1	2612.4	2632.6	2661.8	2694.2	2716.0	2707.1	2673.9	2639.9	2619.7	2614.0
25°	2642.3	2643.1	2670.7	2710.3	2749.2	2774.3	2763.8	2716.8	2673.1	2650.4	2643.1
27.5°	2711.2	2713.6	2741.1	2787.3	2820.5	2836.7	2830.2	2792.1	2754.9	2730.6	2733.0
30°	2810.8	2814.0	2844.8	2895.8	2916.0	2920.1	2918.5	2900.6	2866.6	2834.2	2836.7
32.5°	2932.2	2933.8	2975.1	3021.3	3037.5	3040.7	3037.5	3021.3	2980.8	2937.1	2939.5
35°	3088.5	3093.4	3133.1	3177.6	3190.5	3197.0	3191.4	3170.3	3128.2	3085.3	3083.7
37.5°	3281.2	3282.1	3323.4	3369.5	3385.7	3387.3	3380.8	3367.1	3314.4	3275.6	3273.1
40°	3504.7	3508.0	3556.6	3606.0	3612.4	3605.2	3614.1	3606.0	3551.7	3507.2	3514.5
42.5°	3776.8	3784.1	3842.4	3891.0	3872.4	3868.3	3874.0	3876.4	3832.7	3778.5	3773.6
45°	4093.5	4099.9	4172.8	4211.7	4199.5	4172.8	4184.2	4203.6	4142.9	4075.6	4082.1
47.5°	4454.6	4470.8	4548.6	4585.0	4555.0	4518.6	4540.5	4569.6	4498.3	4414.9	4410.9
50°	4856.3	4876.5	4980.2	5031.2	5001.2	4934.0	4970.5	4989.9	4887.0	4779.3	4770.4
52.5°	5284.6	5304.9	5435.3	5540.5	5521.1	5416.6	5467.7	5447.4	5329.2	5184.2	5172.9
55°	5769.7	5777.8	5918.7	6088.8	6108.2	6031.3	6028.0	5994.8	5819.9	5652.3	5644.2
57.5°	6268.5	6274.2	6456.4	6657.2	6748.7	6748.7	6658.0	6587.6	6355.2	6160.8	6140.6
60°	6807.0	6827.3	7028.9	7301.8	7515.6	7578.8	7418.4	7226.5	6973.9	6736.6	6713.1
62.5°	7286.4	7309.9	7618.4	8025.0	8368.3	8598.3	8206.3	7893.8	7433.8	7053.2	7008.7
65°	7347.2	7410.3	7859.8	8595.9	9364.3	9823.5	9072.0	8301.9	7463.8	6935.0	6889.6
67.5°	6709.9	6816.8	7424.1	8569.9	10157.9	11143.4	9625.1	8068.7	6926.1	6341.4	6291.2
70°	5155.9	5311.4	6011.8	7496.2	10021.1	11568.6	9278.5	7063.7	5774.6	5145.4	5074.9
72.5°	2828.6	2892.5	3522.6	5133.2	8033.9	9830.8	7739.1	5223.1	3829.5	3116.0	2997.8
75°	897.2	919.9	1240.6	2100.6	4544.5	6511.5	4916.2	2563.8	1411.5	1040.6	1028.4
77.5°	398.4	400.8	448.6	613.0	1565.3	3299.1	1880.3	698.0	481.0	420.3	434.0
80°	251.8	251.8	277.8	303.7	425.9	958.0	508.5	332.0	283.4	263.2	268.8
82.5°	120.7	133.6	180.6	194.3	234.0	322.3	260.8	217.0	189.5	140.9	131.2
85°	79.4	66.4	114.2	128.8	136.0	154.7	151.4	143.3	123.9	70.5	78.5
87.5°	35.6	34.0	59.1	54.3	51.0	38.9	58.3	72.1	69.6	34.8	34.8
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)