

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: P653799

Luminaire Tested: **GLAN-SA4A-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-840-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13429.1 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

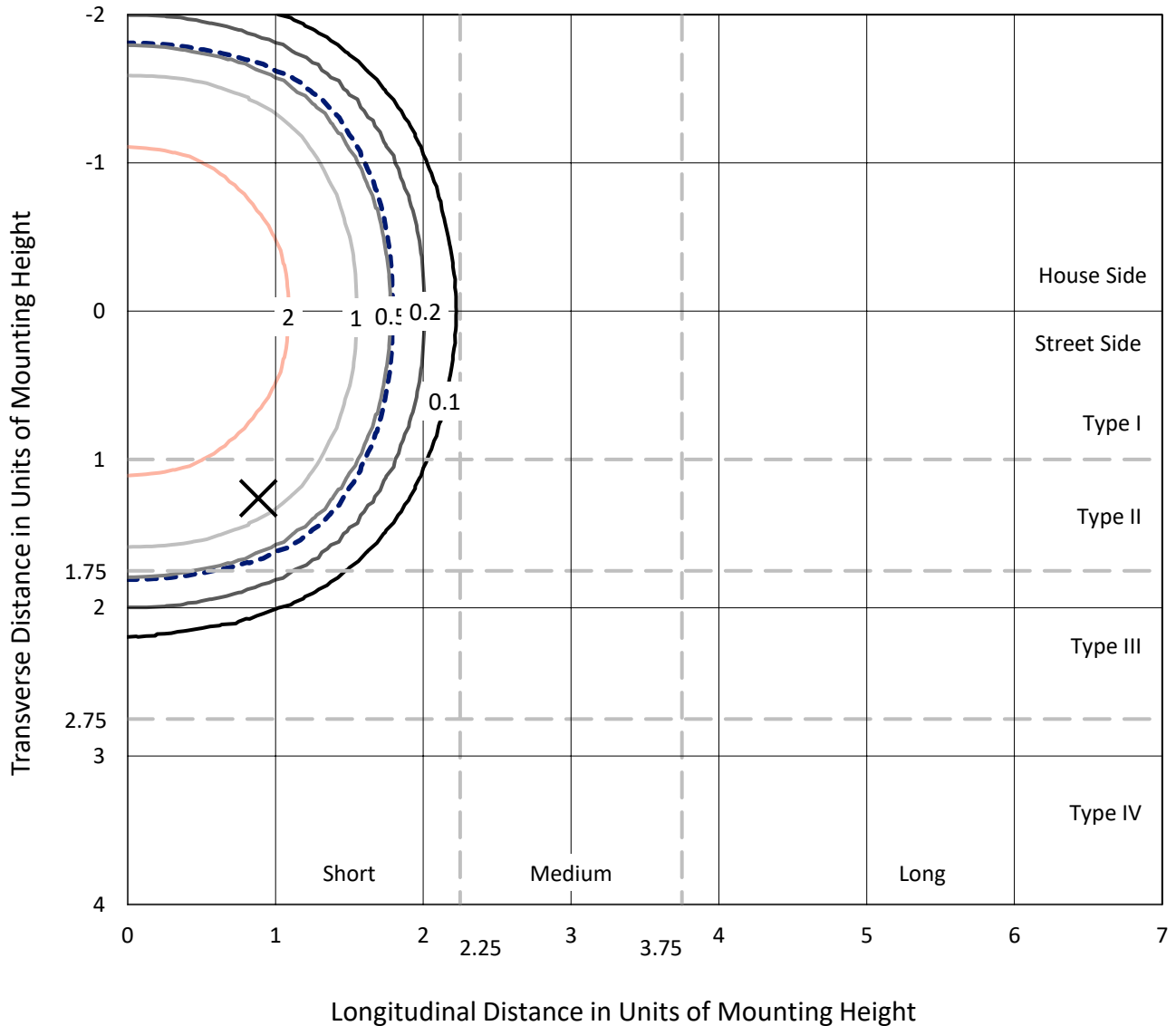
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

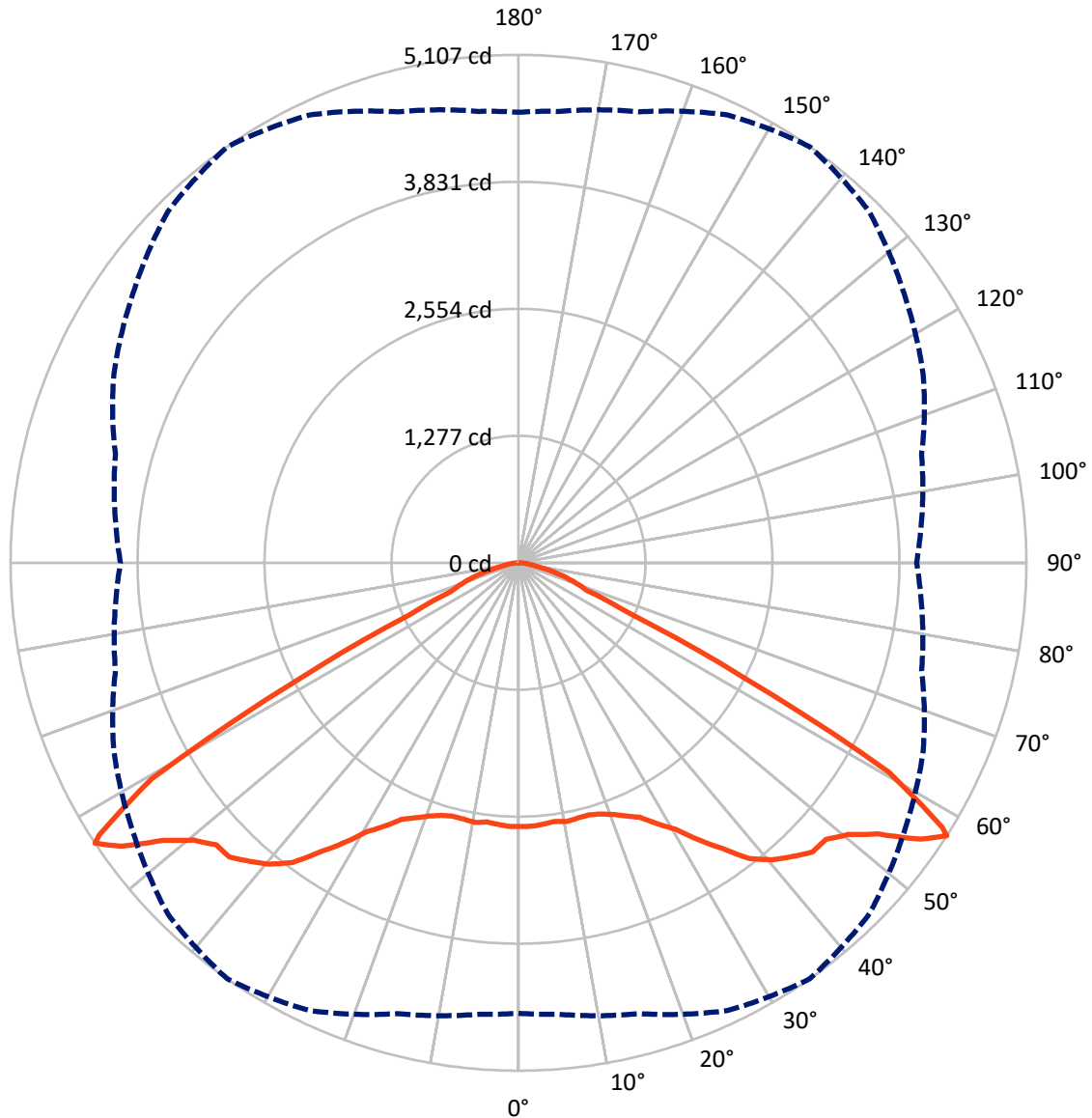
× Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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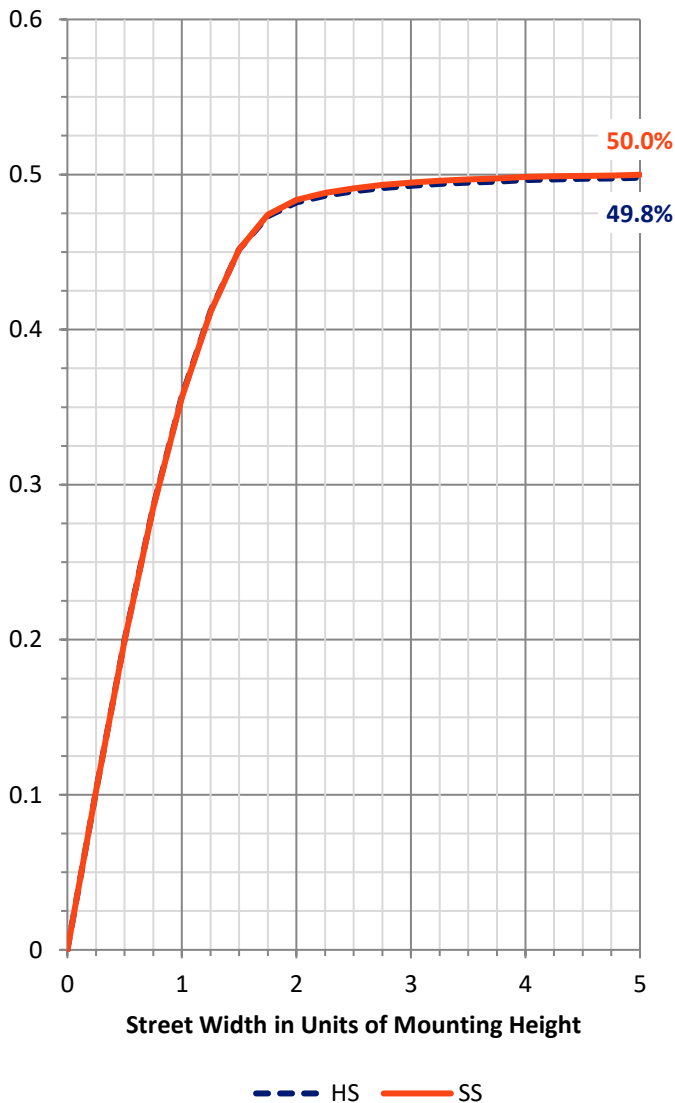
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6714.5	0.0	6714.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6714.5	0.0	6714.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13429.1	0.0	13429.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.9
10°-20°	744.7	5.5
20°-30°	1300.6	9.7
30°-40°	2131.0	15.9
40°-50°	3124.6	23.3
50°-60°	3935.6	29.3
60°-70°	1480.2	11.0
70°-80°	393.6	2.9
80°-90°	67.5	0.5
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°	13429.1	100.0
0°-180°	13429.1	100.0

Coefficient of Utilization



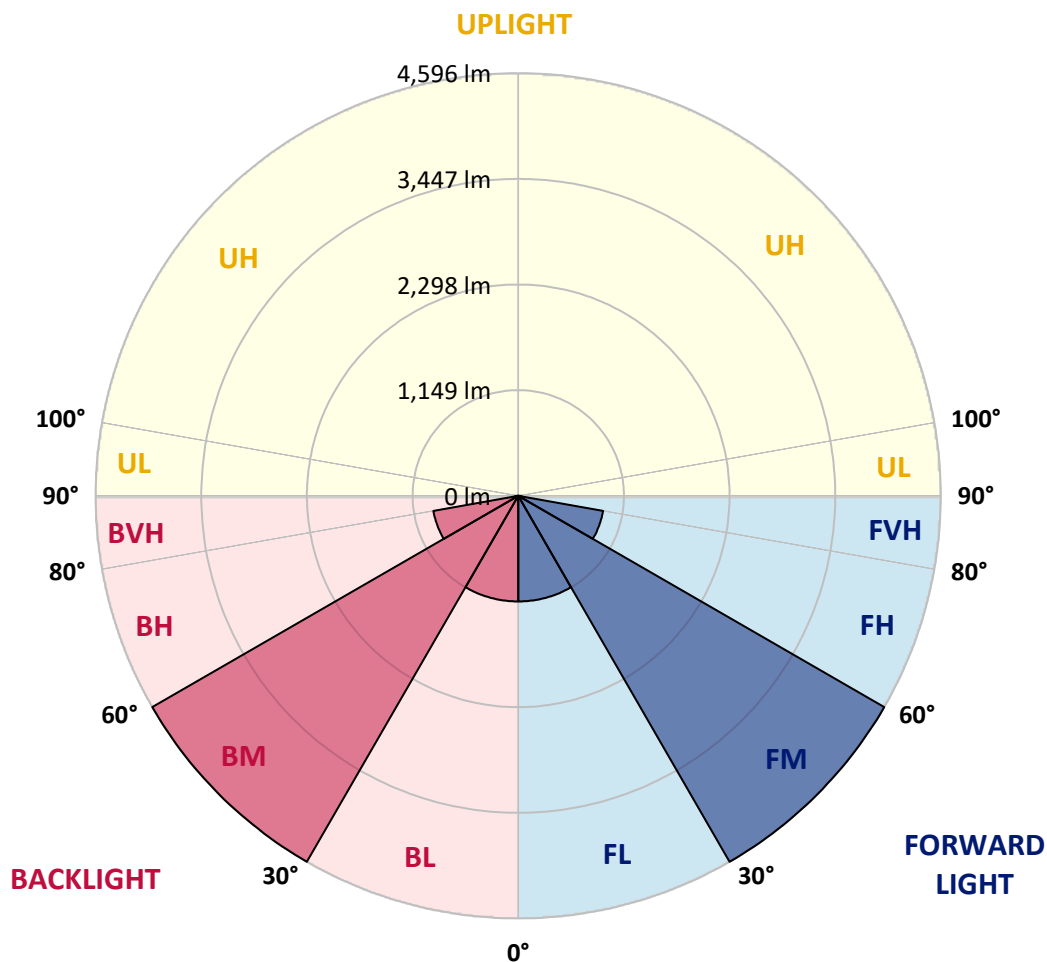
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.3	8.6			
FM (30°-60°)	4595.6	34.2			
FH (60°-80°)	936.9	7.0			G1/1800
FVH (80°-90°)	33.7	0.3			G1/100
BL (0°-30°)	1148.3	8.6	B3/2500		
BM (30°-60°)	4595.6	34.2	B3/5000		
BH (60°-80°)	936.9	7.0	B2/1000		G1/1800
BVH (80°-90°)	33.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2	2652.2
2.5°	2638.9	2665.4	2653.8	2647.2	2652.2	2643.9	2630.6	2645.5	2642.3	2629.0	2624.0
5°	2632.3	2652.2	2638.9	2652.2	2638.9	2662.1	2655.5	2630.6	2660.4	2632.3	2642.3
7.5°	2627.4	2633.9	2637.3	2630.6	2625.7	2653.8	2638.9	2627.4	2610.8	2605.8	2614.1
10°	2615.8	2632.3	2607.4	2640.6	2647.2	2627.4	2627.4	2605.8	2592.6	2584.3	2612.4
12.5°	2645.5	2617.4	2614.1	2630.6	2635.6	2643.9	2620.7	2609.1	2584.3	2587.6	2582.6
15°	2610.8	2622.4	2624.0	2627.4	2632.3	2652.2	2630.6	2605.8	2595.9	2561.2	2564.5
17.5°	2624.0	2612.4	2624.0	2662.1	2655.5	2670.3	2647.2	2609.1	2586.0	2566.1	2592.6
20°	2647.2	2642.3	2647.2	2693.5	2701.8	2715.0	2695.2	2660.4	2615.8	2592.6	2605.8
22.5°	2672.0	2668.7	2672.0	2716.7	2764.6	2781.2	2761.3	2680.3	2657.1	2614.1	2599.2
25°	2716.7	2720.0	2754.7	2804.4	2835.8	2867.2	2830.8	2772.9	2698.4	2672.0	2640.6
27.5°	2815.9	2824.2	2844.1	2916.8	2971.4	2999.6	2948.3	2868.9	2822.6	2768.0	2759.7
30°	2938.4	2938.4	2973.1	3036.0	3110.4	3153.5	3090.6	2996.3	2940.1	2910.3	2892.0
32.5°	3100.5	3082.3	3095.6	3206.4	3322.2	3358.6	3274.3	3158.5	3069.1	3029.4	3016.2
35°	3239.4	3251.1	3280.8	3400.0	3529.0	3613.4	3481.1	3330.5	3239.4	3203.1	3196.5
37.5°	3419.8	3439.7	3454.6	3618.4	3773.9	3805.4	3677.9	3557.2	3446.3	3416.5	3400.0
40°	3674.6	3661.4	3666.3	3787.1	3927.7	3947.6	3821.8	3735.8	3644.8	3626.6	3626.6
42.5°	3884.7	3869.9	3886.4	3931.1	4038.6	4023.7	3954.2	3891.4	3853.3	3833.4	3853.3
45°	4012.2	4008.8	4038.6	4071.7	4147.8	4098.2	4043.6	4053.5	4017.1	3984.0	3982.4
47.5°	4151.1	4129.6	4166.0	4215.6	4157.7	4134.6	4131.2	4152.8	4141.2	4083.3	4065.1
50°	4219.0	4210.6	4268.6	4326.5	4295.1	4242.1	4253.7	4288.4	4139.6	4061.8	4017.1
52.5°	4401.0	4402.6	4513.5	4544.8	4531.6	4453.9	4478.7	4384.4	4209.0	4099.8	4104.8
55°	4687.1	4675.6	4799.7	4892.3	4907.2	4807.9	4688.8	4556.5	4336.4	4225.6	4192.5
57°	4530.0	4556.5	4693.8	4968.5	5107.4	4989.9	4730.2	4488.7	4195.7	4061.8	4002.2
57.5°	4319.9	4362.9	4601.1	4877.5	5023.0	5013.1	4678.9	4362.9	4101.5	3893.0	3898.0
60°	3165.0	3173.3	3388.4	3826.8	4281.8	4291.7	3884.7	3466.2	3174.9	2948.3	2979.7
62.5°	1669.4	1707.4	1793.4	2145.9	2539.7	2635.6	2389.1	2174.0	1922.5	1750.5	1767.0
65°	883.5	878.5	919.9	1019.1	1212.7	1262.3	1229.3	1058.9	971.2	943.1	944.7
67.5°	718.0	726.3	721.3	726.3	739.6	761.1	756.1	762.7	767.7	776.0	774.3
70°	608.9	608.9	612.2	613.8	613.8	623.8	635.3	656.8	658.5	666.7	670.1
72.5°	479.8	476.5	481.5	493.1	494.7	503.0	519.5	532.8	537.7	537.7	527.8
75°	326.0	329.3	335.9	345.8	355.7	370.6	383.8	392.1	395.4	390.5	385.5
77.5°	183.7	187.0	191.9	206.8	218.4	231.6	246.5	254.8	263.1	264.7	254.8
80°	109.2	109.2	117.5	129.0	142.3	155.5	168.8	178.7	182.0	182.0	177.0
82.5°	66.2	67.9	74.4	86.0	97.6	105.9	117.5	125.7	132.4	130.7	127.4
85°	34.7	34.7	41.4	51.3	59.5	67.9	67.9	62.9	59.5	51.3	48.0
87.5°	11.6	9.9	13.2	13.2	11.6	13.2	13.2	14.9	14.9	14.9	14.9
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)