

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: P649343

Luminaire Tested: **GLAN-SA4D-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649343  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4D-835-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14380.6 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

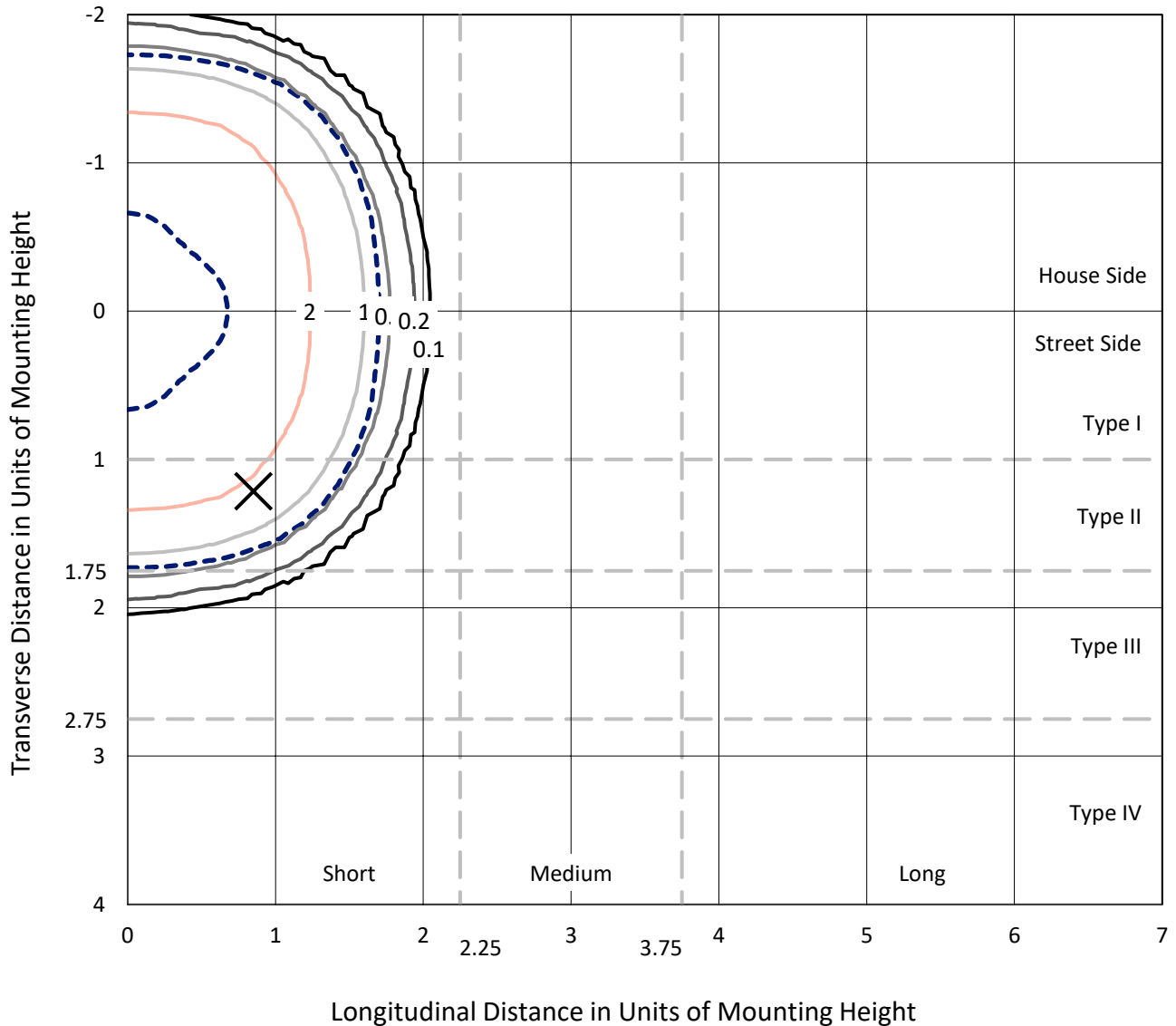
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

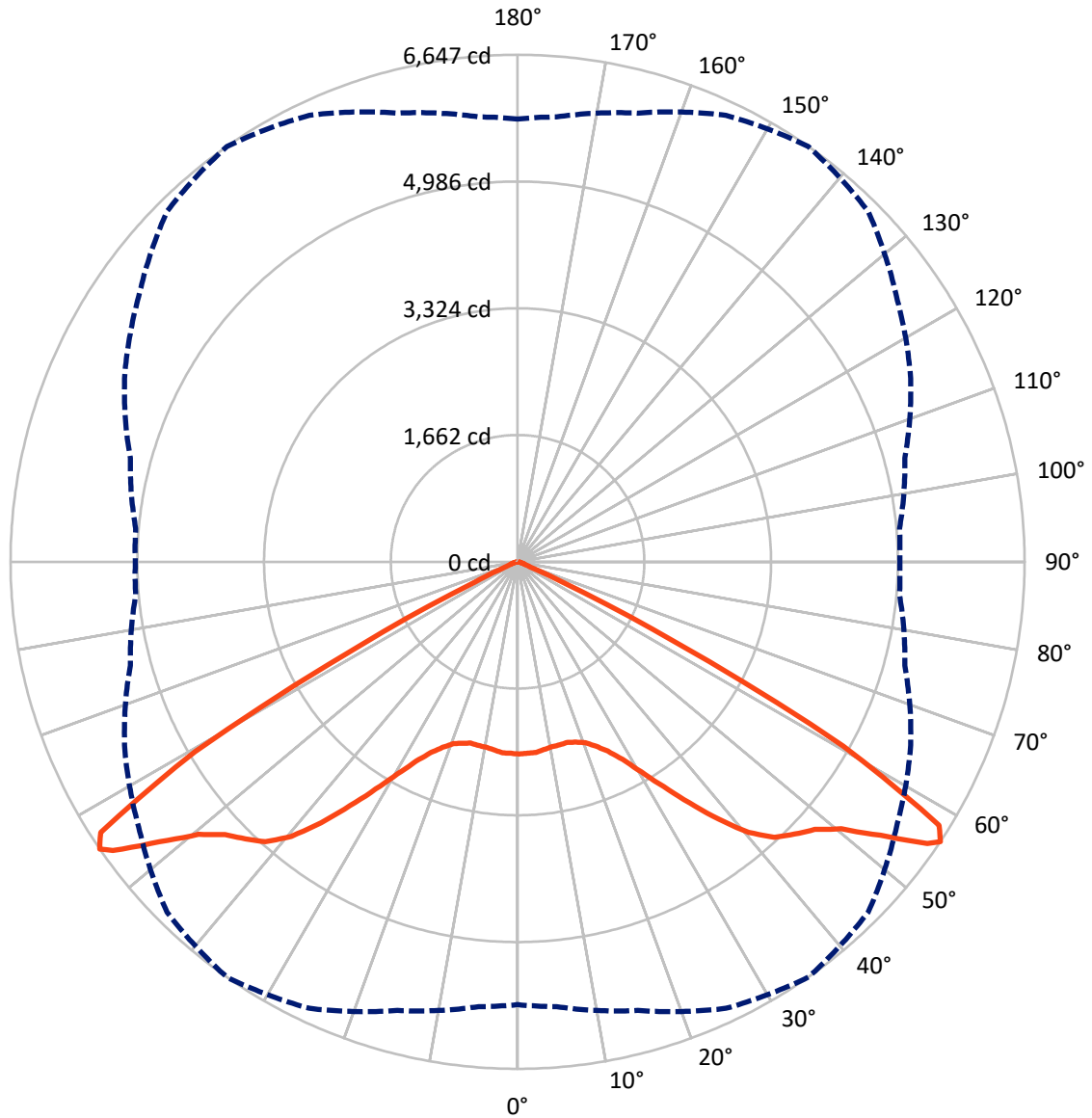
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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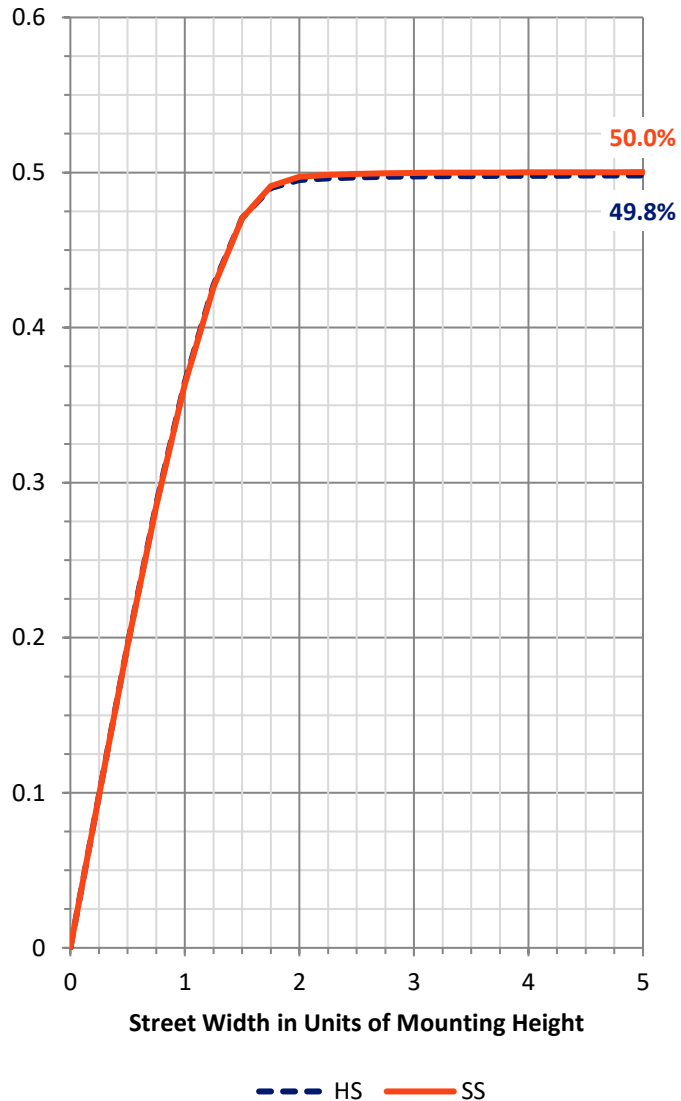
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7190.3	0.0	7190.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7190.3	0.0	7190.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14380.6	0.0	14380.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.8	1.6
10°-20°	691.4	4.8
20°-30°	1252.0	8.7
30°-40°	2321.7	16.1
40°-50°	3810.9	26.5
50°-60°	4909.6	34.1
60°-70°	1082.0	7.5
70°-80°	62.8	0.4
80°-90°	13.2	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°	14380.6	100.0
0°-180°	14380.6	100.0

**Coefficient of Utilization**

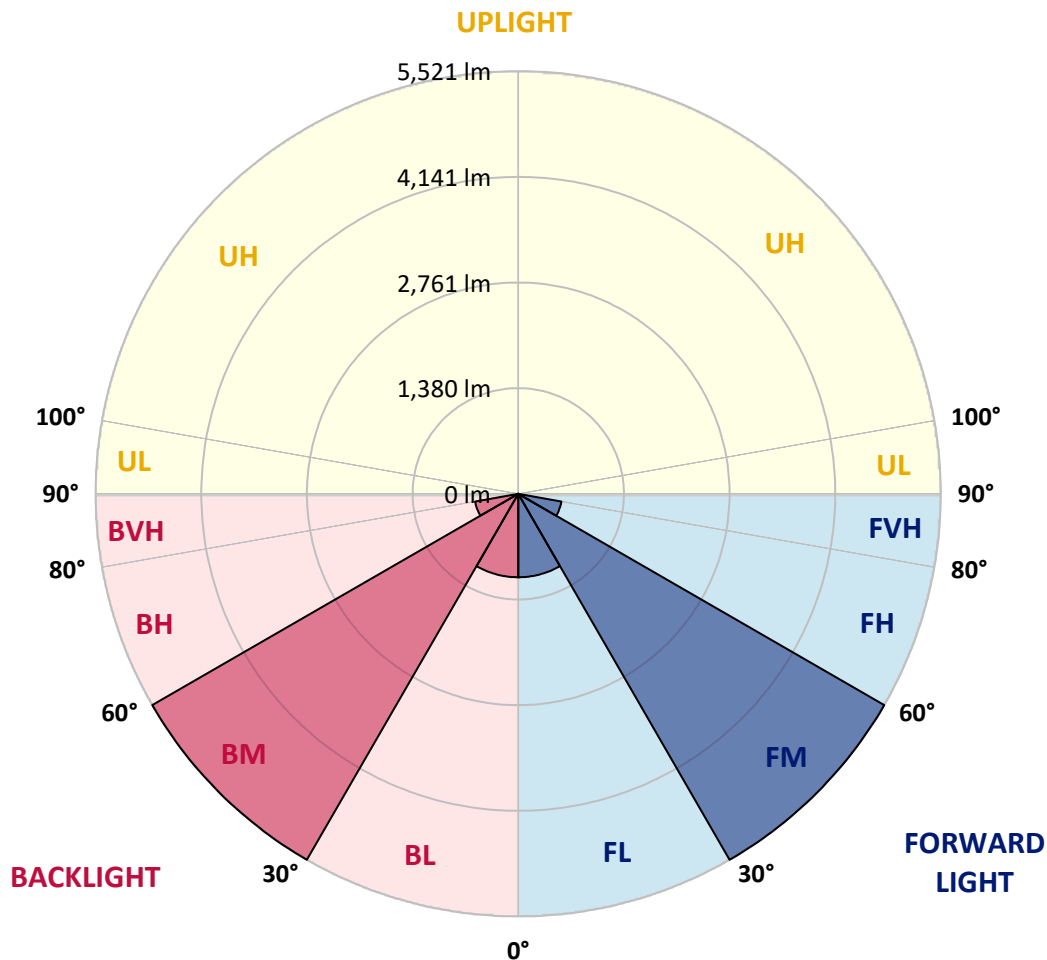


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.1	7.6			
FM (30°-60°)	5521.1	38.4			
FH (60°-80°)	572.4	4.0			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	1090.1	7.6	B3/2500		
BM (30°-60°)	5521.1	38.4	B4/8500		
BH (60°-80°)	572.4	4.0	B2/1000		G0/660
BVH (80°-90°)	6.6	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°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2525.0	2525.0	2527.6	2530.2	2511.9	2504.2	2506.8	2501.5	2498.9	2506.8	2506.8
5°	2517.2	2517.2	2509.4	2511.9	2511.9	2488.5	2488.5	2493.7	2493.7	2478.1	2472.9
7.5°	2496.4	2491.1	2480.7	2493.7	2485.9	2485.9	2467.7	2454.6	2449.5	2459.9	2449.5
10°	2452.0	2454.6	2465.0	2470.3	2465.0	2480.7	2449.5	2431.2	2413.0	2405.1	2405.1
12.5°	2431.2	2446.8	2431.2	2444.2	2462.5	2449.5	2431.2	2418.1	2392.1	2381.7	2381.7
15°	2428.6	2439.0	2444.2	2462.5	2454.6	2459.9	2423.4	2407.7	2368.7	2350.4	2342.6
17.5°	2426.0	2439.0	2446.8	2480.7	2485.9	2488.5	2459.9	2413.0	2379.1	2360.8	2342.6
20°	2454.6	2459.9	2475.5	2509.4	2530.2	2566.7	2514.6	2465.0	2392.1	2371.2	2363.4
22.5°	2491.1	2517.2	2532.8	2569.3	2624.0	2655.3	2587.5	2525.0	2449.5	2423.4	2392.1
25°	2608.4	2603.2	2629.2	2704.8	2749.1	2772.5	2717.8	2626.7	2527.6	2496.4	2501.5
27.5°	2754.3	2759.5	2782.9	2866.3	2931.5	2968.0	2902.8	2782.9	2686.6	2634.4	2629.2
30°	2944.5	2939.3	2965.4	3077.4	3194.7	3249.4	3134.7	2994.0	2900.2	2832.5	2848.1
32.5°	3145.2	3147.8	3220.7	3322.3	3512.6	3619.4	3434.4	3262.4	3121.7	3074.8	3051.4
35°	3442.2	3455.2	3512.6	3668.9	3880.0	4018.1	3814.9	3609.0	3447.5	3361.4	3371.9
37.5°	3809.6	3796.6	3893.0	4062.4	4283.9	4385.5	4213.6	3979.0	3814.9	3757.5	3794.0
40°	4200.5	4213.6	4263.0	4416.8	4664.3	4732.1	4476.7	4349.0	4205.7	4177.1	4221.4
42.5°	4591.4	4583.5	4620.0	4758.1	4937.9	4891.0	4739.9	4664.3	4562.7	4505.4	4565.4
45°	4878.0	4865.0	4932.7	5026.5	5091.7	5003.1	4935.3	4909.3	4857.2	4794.6	4849.4
47.5°	5156.8	5146.4	5211.6	5237.6	5242.8	5125.6	5138.6	5185.5	5055.2	4924.9	4987.5
50°	5393.9	5375.7	5456.5	5513.8	5500.8	5313.2	5360.1	5313.2	5109.9	4956.2	4932.7
52.5°	5790.1	5797.9	5883.9	5988.1	5956.8	5800.5	5732.7	5519.1	5258.5	5120.4	5039.5
55°	6040.2	6001.1	6149.6	6480.6	6517.1	6355.5	6055.8	5740.6	5349.7	5180.2	5159.4
56°	5805.7	5855.2	6089.7	6459.8	6647.4	6498.8	6063.6	5685.8	5255.9	5026.5	5010.9
57.5°	5209.0	5182.9	5500.8	6006.3	6517.1	6454.5	5849.9	5295.0	4794.6	4536.6	4505.4
60°	3241.6	3317.2	3596.0	4221.4	4904.1	4935.3	4336.0	3859.2	3275.4	3046.2	3100.8
62.5°	1269.0	1203.9	1378.5	1844.9	2313.9	2418.1	2191.5	1821.4	1495.7	1269.0	1253.3
65°	294.5	286.7	323.1	445.6	622.8	721.8	685.3	492.5	362.2	344.0	317.9
67.5°	166.8	166.8	158.9	158.9	174.6	185.0	177.2	174.6	182.4	190.2	187.6
70°	117.3	114.6	109.5	112.0	106.8	106.8	114.6	127.7	138.1	138.1	140.7
72.5°	70.4	70.4	70.4	78.1	78.1	78.1	86.0	96.4	99.0	96.4	93.8
75°	31.2	31.2	36.5	44.3	49.5	52.1	59.9	65.1	70.4	65.1	59.9
77.5°	7.8	7.8	13.0	18.2	23.5	28.7	39.1	46.9	49.5	46.9	39.1
80°	2.6	2.6	5.2	13.0	23.5	28.7	39.1	41.7	44.3	39.1	31.2
82.5°	2.6	2.6	5.2	13.0	18.2	23.5	31.2	36.5	39.1	33.9	31.2
85°	0.0	2.6	5.2	10.4	15.7	20.8	20.8	15.7	13.0	7.8	10.4
87.5°	0.0	0.0	2.6	2.6	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)