

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: P654350

Luminaire Tested: **GLAN-SA5B-840-U-5MQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5B-840-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25134.9 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

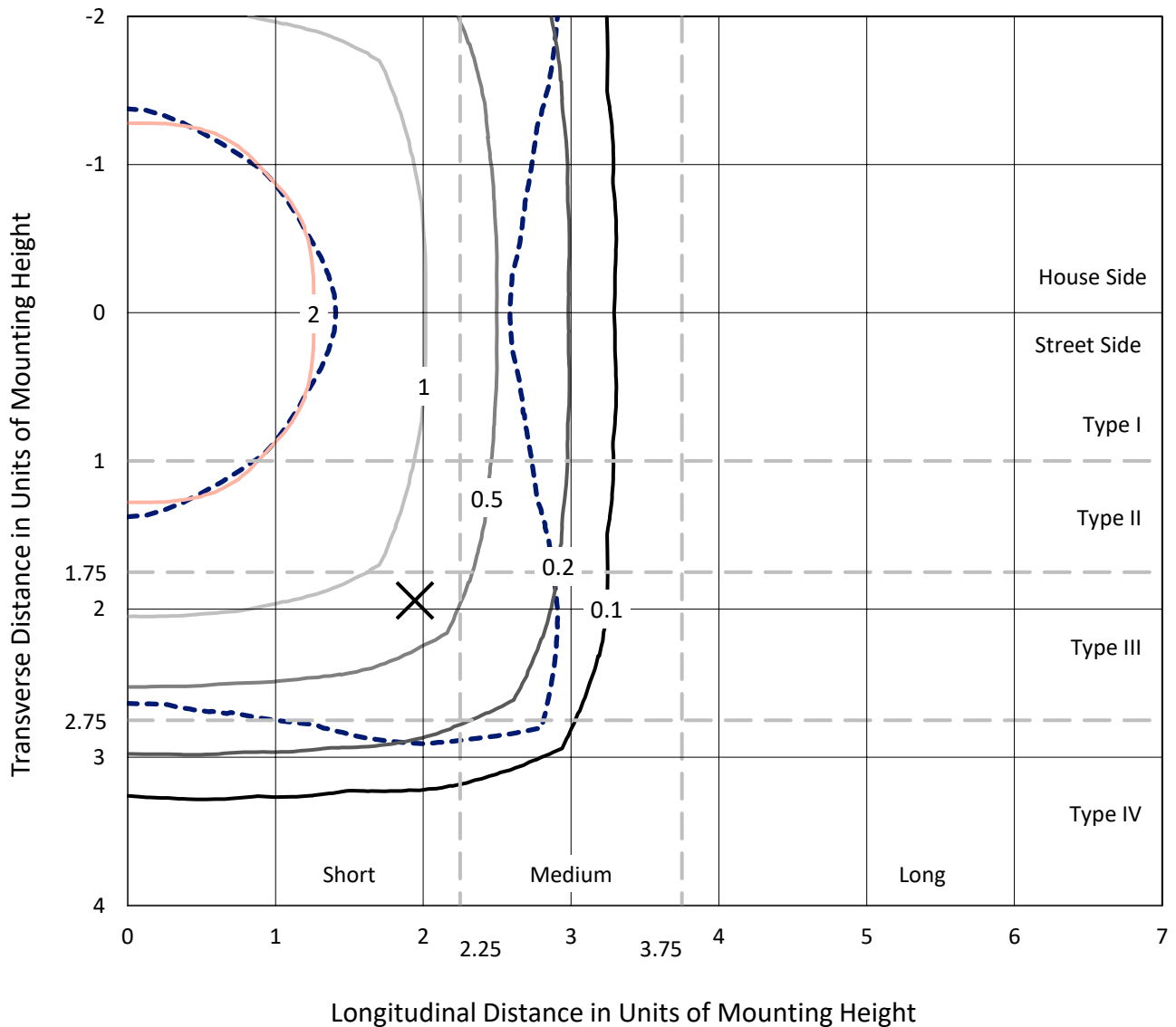
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

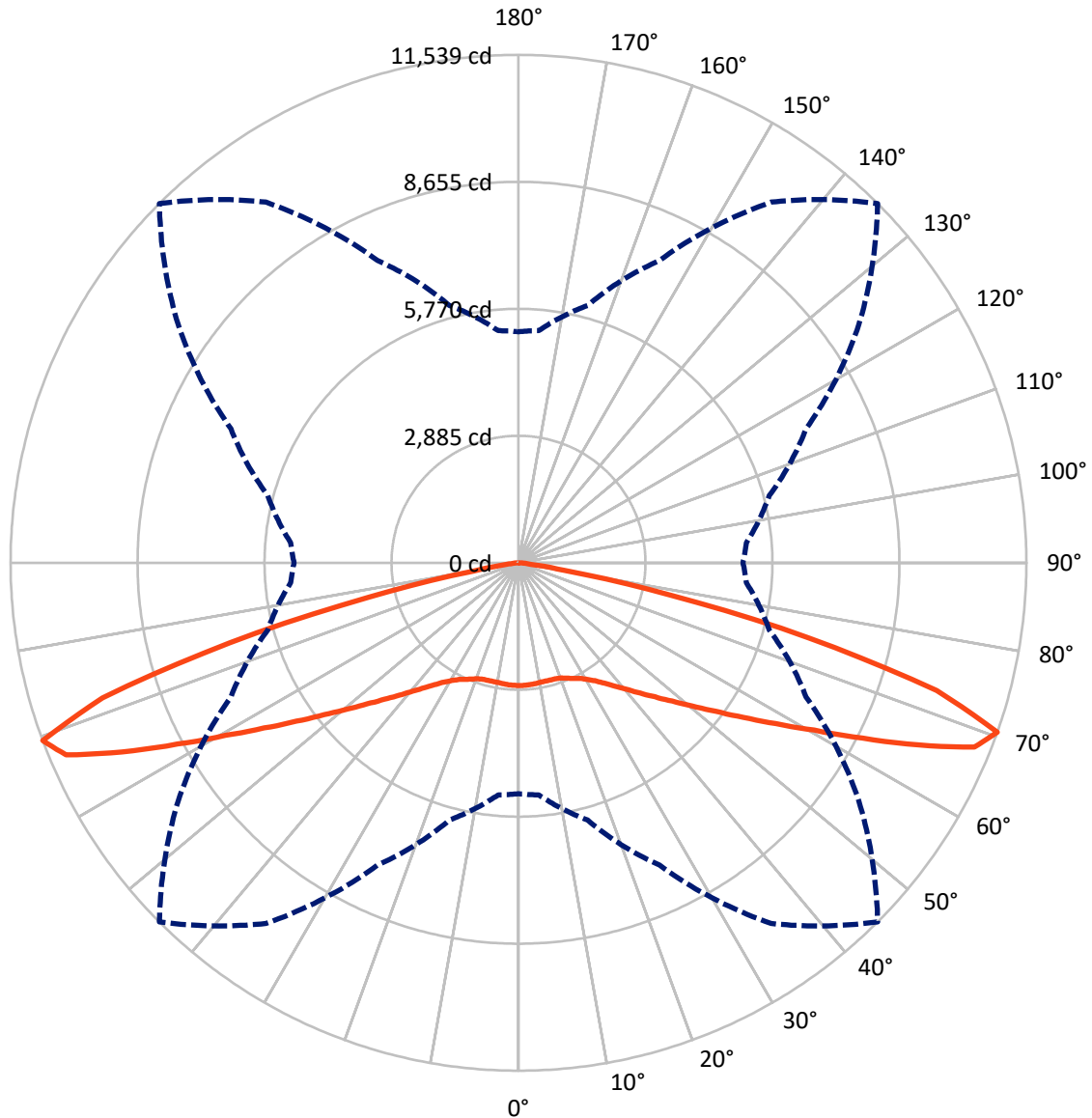
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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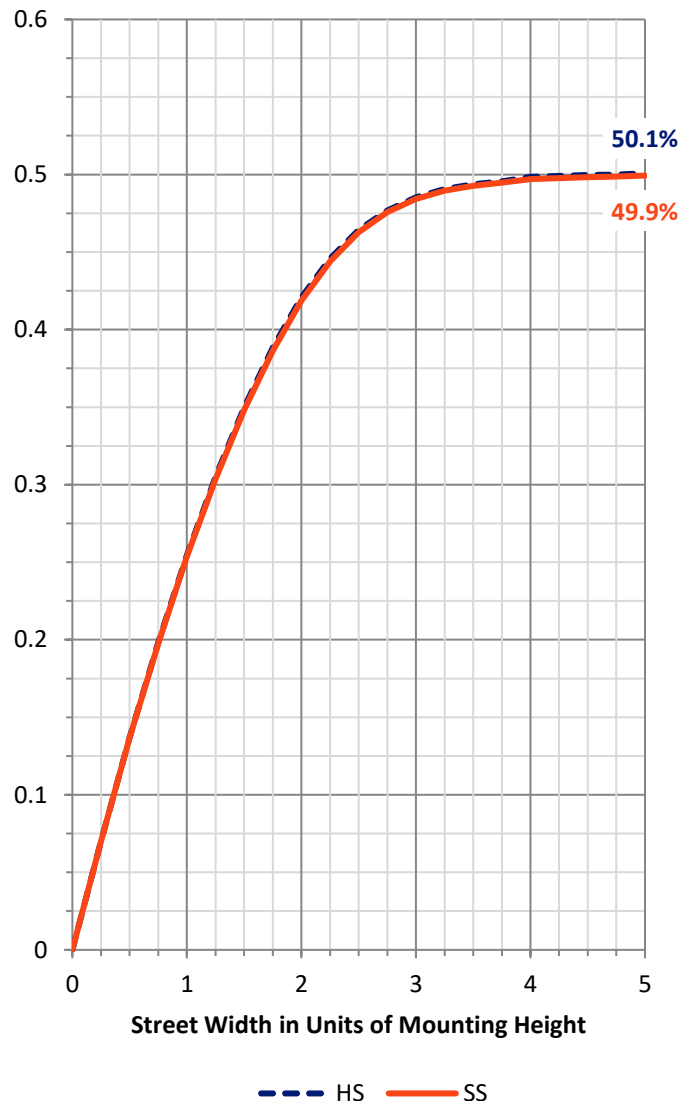
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12567.5	0.0	12567.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12567.5	0.0	12567.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25134.9	0.0	25134.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.7	1.1
10°-20°	776.7	3.1
20°-30°	1328.4	5.3
30°-40°	2108.4	8.4
40°-50°	3401.4	13.5
50°-60°	5534.1	22.0
60°-70°	8022.5	31.9
70°-80°	3558.5	14.2
80°-90°	140.3	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°	25134.9	100.0
0°-180°	25134.9	100.0

**Coefficient of Utilization**



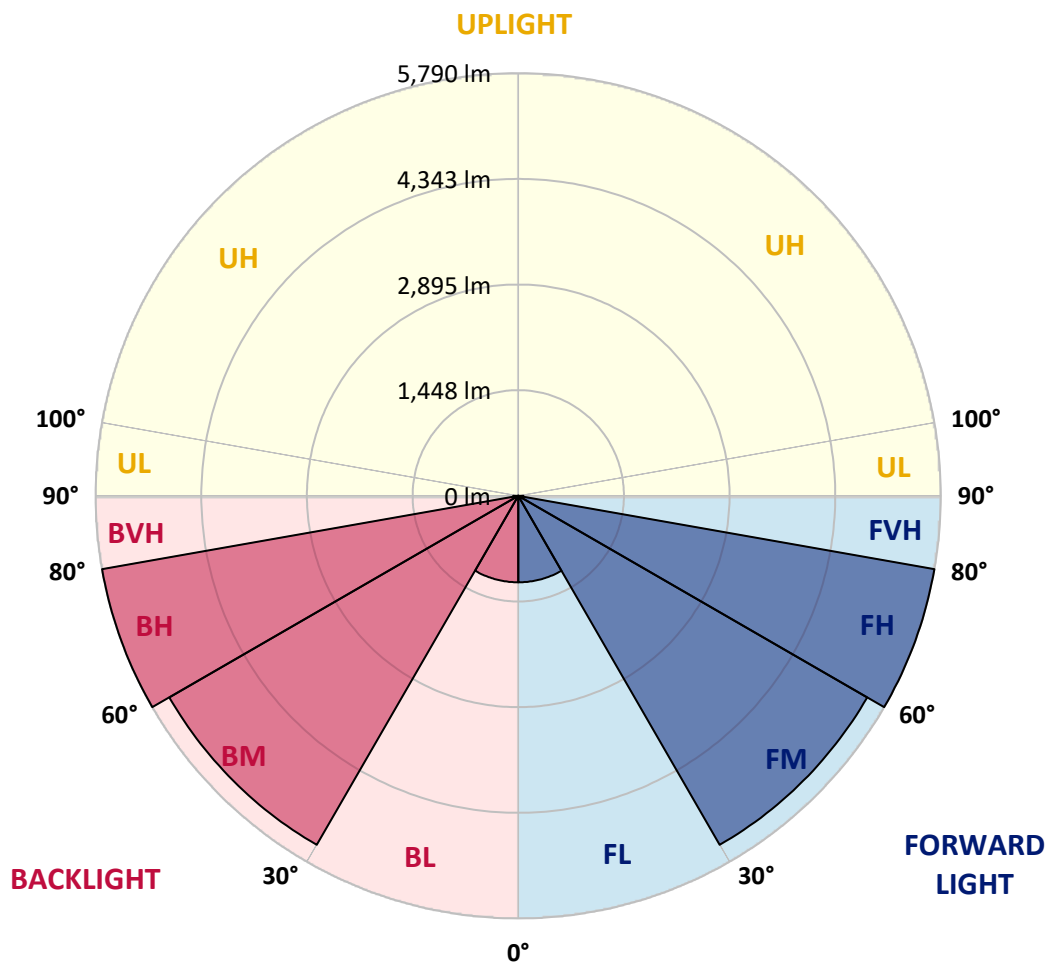
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1184.9	4.7			
FM (30°-60°)	5521.9	22.0			
FH (60°-80°)	5790.5	23.0			G3/7500
FVH (80°-90°)	70.2	0.3			G1/100
BL (0°-30°)	1184.9	4.7	B3/2500		
BM (30°-60°)	5521.9	22.0	B4/8500		
BH (60°-80°)	5790.5	23.0	B5		G3/7500
BVH (80°-90°)	70.2	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°	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1
2.5°	2791.1	2793.8	2789.8	2787.2	2785.8	2785.8	2784.5	2785.8	2793.8	2795.1	2791.1
5°	2783.2	2785.8	2784.5	2781.9	2780.5	2780.5	2779.2	2777.9	2784.5	2787.2	2785.8
7.5°	2772.6	2773.9	2772.6	2771.3	2772.6	2771.3	2767.3	2764.6	2769.9	2769.9	2768.6
10°	2754.0	2756.7	2755.4	2756.7	2759.3	2759.3	2754.0	2748.7	2750.1	2747.4	2747.4
12.5°	2731.5	2735.5	2736.8	2742.1	2748.7	2756.7	2744.8	2732.8	2730.2	2728.9	2727.5
15°	2716.9	2720.9	2726.2	2731.5	2743.4	2760.7	2743.4	2724.9	2719.6	2714.3	2711.6
17.5°	2713.0	2718.3	2726.2	2734.2	2750.1	2767.3	2752.7	2734.2	2720.9	2713.0	2710.3
20°	2723.6	2727.5	2739.5	2754.0	2776.6	2793.8	2779.2	2759.3	2739.5	2727.5	2723.6
22.5°	2744.8	2751.4	2766.0	2792.5	2824.2	2849.4	2829.5	2796.4	2764.6	2748.7	2743.4
25°	2791.1	2796.4	2813.6	2849.4	2886.5	2910.4	2889.2	2850.7	2807.0	2785.8	2779.2
27.5°	2861.3	2869.2	2887.8	2930.2	2960.7	2973.9	2959.4	2932.8	2901.0	2878.6	2873.3
30°	2960.7	2970.0	2997.7	3042.8	3062.7	3070.7	3064.0	3046.8	3024.2	3000.4	2995.1
32.5°	3094.5	3099.8	3131.5	3173.9	3192.5	3195.1	3187.2	3179.2	3142.1	3102.4	3099.8
35°	3244.2	3253.4	3291.8	3342.2	3359.4	3360.7	3344.8	3332.9	3289.2	3257.4	3257.4
37.5°	3442.9	3446.8	3483.9	3540.9	3559.4	3554.2	3546.2	3535.6	3489.2	3448.2	3449.5
40°	3676.0	3684.0	3715.8	3782.0	3782.0	3775.3	3780.6	3772.7	3726.4	3686.6	3688.0
42.5°	3952.9	3956.8	3995.3	4065.5	4060.2	4046.9	4052.2	4041.6	4012.5	3967.4	3951.5
45°	4248.3	4264.2	4330.4	4397.9	4387.3	4344.9	4366.1	4363.5	4337.0	4269.5	4273.5
47.5°	4604.6	4631.1	4694.7	4775.5	4763.6	4697.3	4721.2	4737.1	4700.0	4625.8	4612.5
50°	5006.0	5023.2	5117.2	5192.8	5182.2	5111.9	5166.3	5169.0	5076.2	4971.6	4971.6
52.5°	5433.9	5451.1	5578.3	5696.2	5702.8	5600.8	5644.5	5641.8	5490.8	5353.0	5326.6
55°	5913.4	5921.4	6085.6	6259.1	6296.2	6196.9	6202.2	6149.2	5953.2	5792.9	5778.3
57.5°	6408.8	6438.0	6619.5	6844.6	6954.6	6893.7	6865.8	6724.1	6534.7	6350.6	6341.3
60°	6957.3	6958.6	7194.4	7460.7	7683.2	7724.2	7610.4	7420.9	7175.8	6932.1	6921.5
62.5°	7337.5	7394.4	7692.5	8142.9	8541.6	8772.1	8471.4	8074.0	7591.8	7198.4	7158.6
65°	7415.6	7454.0	7908.4	8671.4	9486.1	9982.8	9287.4	8442.2	7619.6	7095.0	7068.5
67.5°	6783.8	6824.8	7436.8	8607.8	10148.4	11167.1	9817.2	8264.8	7148.0	6498.9	6447.3
70°	5247.1	5293.4	6049.8	7577.2	10001.4	11539.4	9439.7	7209.0	5894.9	5194.1	5100.1
72.5°	2789.8	2960.7	3607.1	5200.7	8117.7	9935.2	7740.1	5260.4	3801.8	3107.7	2983.2
75°	1018.7	1039.9	1400.2	2306.3	4722.6	6812.9	4904.0	2509.0	1442.6	1114.1	1057.1
77.5°	421.3	419.9	461.0	696.8	1715.5	3489.2	1914.2	736.5	459.7	425.2	419.9
80°	249.0	249.0	274.3	290.1	451.7	1053.1	504.7	328.5	275.5	251.7	255.7
82.5°	111.3	117.9	173.5	182.8	218.6	288.8	243.7	209.3	180.1	124.6	112.6
85°	61.0	53.0	91.4	95.4	104.6	107.3	115.2	114.0	104.6	61.0	62.2
87.5°	11.9	14.5	26.5	19.8	22.5	19.8	26.5	37.1	38.4	21.2	17.2
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)