

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: P850551

Luminaire Tested: **GLAN-SB8A-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32629 lumens  
Efficiency: N/A  
Efficacy: 143.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

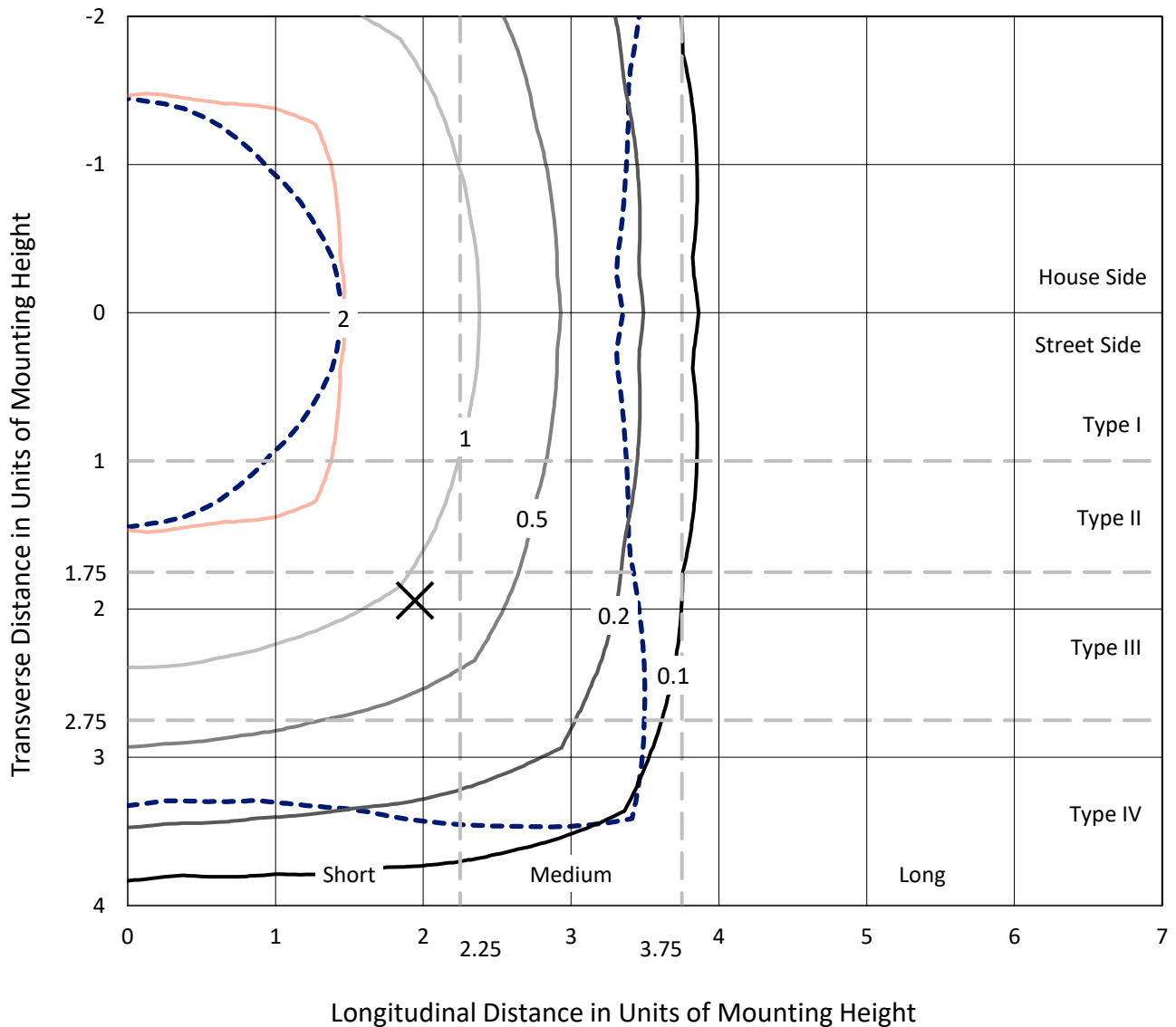
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

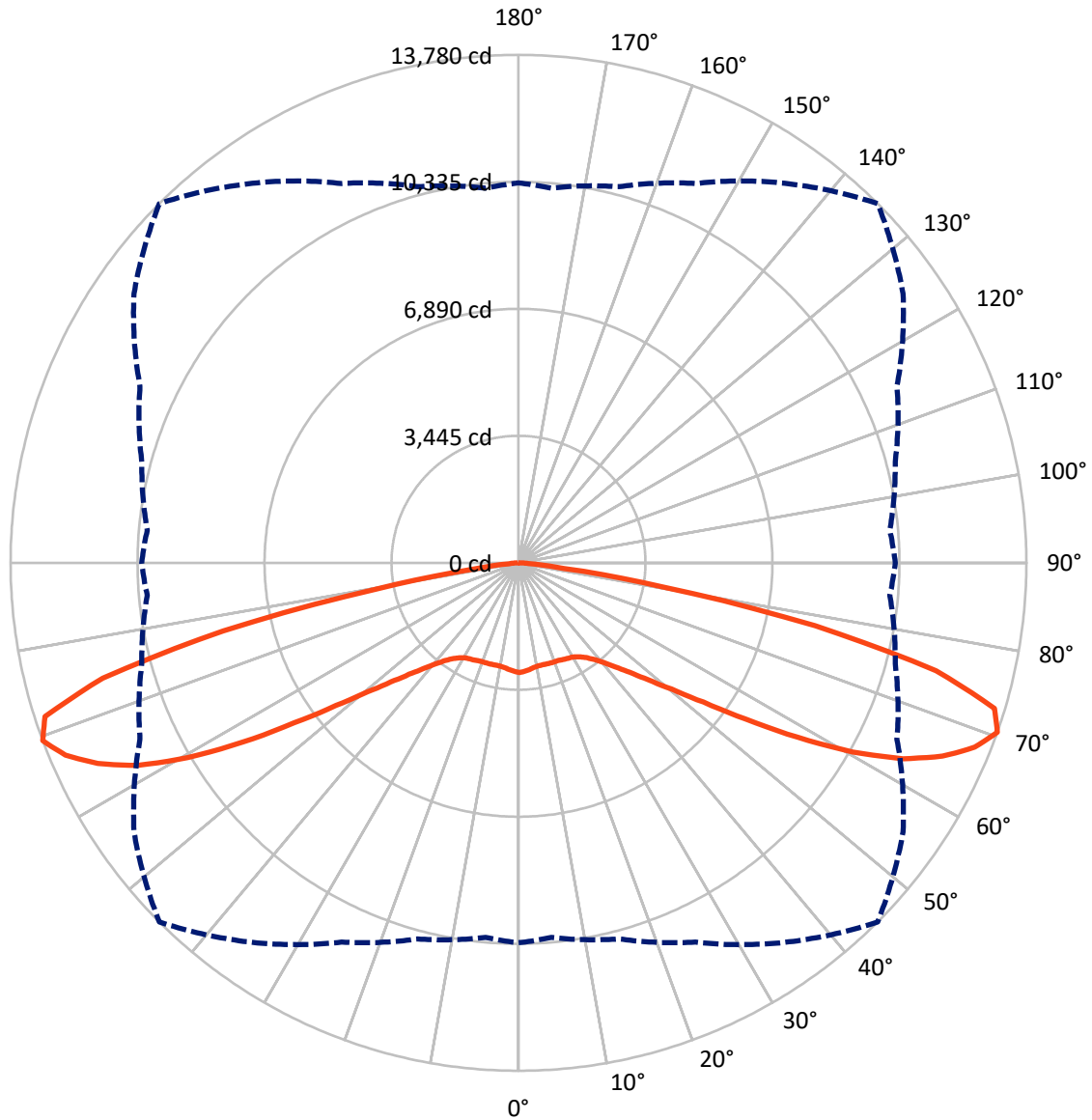
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	16314.5	0.0	16314.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16314.5	0.0	16314.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32629.0	0.0	32629.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.9	0.8
10°-20°	813.0	2.5
20°-30°	1352.9	4.1
30°-40°	2046.0	6.3
40°-50°	3400.0	10.4
50°-60°	6415.7	19.7
60°-70°	10833.1	33.2
70°-80°	7118.5	21.8
80°-90°	372.9	1.1
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°	32629.0	100.0
0°-180°	32629.0	100.0

**Coefficient of Utilization**



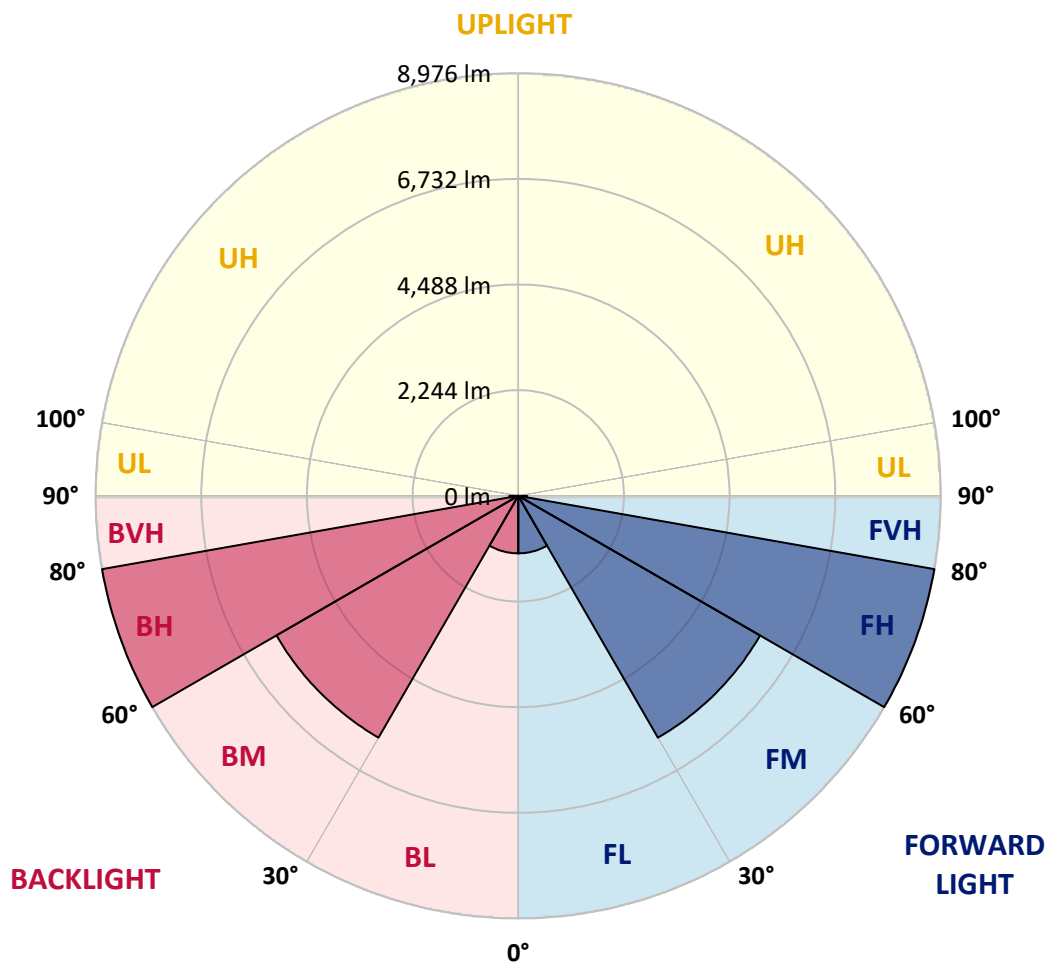
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1221.4	3.7			
FM (30°-60°)	5930.8	18.2			
FH (60°-80°)	8975.8	27.5			G4/12000
FVH (80°-90°)	186.5	0.6			G2/225
BL (0°-30°)	1221.4	3.7	B3/2500		
BM (30°-60°)	5930.8	18.2	B4/8500		
BH (60°-80°)	8975.8	27.5	B5		G4/12000
BVH (80°-90°)	186.5	0.6			G2/225
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°
0°	2976.4	2976.4	2976.4	2976.4	2976.4	2976.4	2976.4	2976.4	2976.4	2976.4
2.5°	2957.8	2966.2	2962.9	2956.1	2956.1	2951.0	2956.1	2959.5	2964.5	2967.9
5°	2918.8	2925.5	2923.8	2918.8	2920.5	2915.4	2918.8	2923.8	2927.2	2928.9
7.5°	2884.8	2891.6	2888.2	2879.8	2879.8	2874.7	2876.4	2881.4	2886.5	2888.2
10°	2876.4	2883.1	2873.0	2859.4	2854.3	2847.5	2849.2	2854.3	2864.5	2869.6
12.5°	2879.8	2884.8	2874.7	2854.3	2849.2	2842.4	2842.4	2847.5	2861.1	2867.9
15°	2889.9	2895.0	2879.8	2857.7	2852.6	2847.5	2845.8	2852.6	2867.9	2879.8
17.5°	2908.6	2913.7	2889.9	2859.4	2852.6	2854.3	2852.6	2857.7	2881.4	2903.5
20°	2925.5	2928.9	2896.7	2859.4	2852.6	2854.3	2852.6	2862.8	2893.3	2923.8
22.5°	2930.6	2934.0	2903.5	2871.3	2866.2	2867.9	2866.2	2876.4	2905.2	2935.7
25°	2932.3	2937.4	2913.7	2888.2	2896.7	2900.1	2896.7	2898.4	2920.5	2947.6
27.5°	2957.8	2964.5	2942.5	2920.5	2925.5	2923.8	2928.9	2934.0	2951.0	2978.1
30°	3010.3	3015.4	2996.8	2974.7	2971.3	2959.5	2974.7	2991.7	3010.3	3034.1
32.5°	3096.8	3107.0	3083.3	3059.5	3044.3	3037.5	3049.3	3078.2	3103.6	3129.1
35°	3241.0	3247.8	3225.7	3181.6	3154.5	3154.5	3164.7	3202.0	3242.7	3274.9
37.5°	3444.5	3453.0	3414.0	3361.4	3320.7	3320.7	3334.3	3373.3	3434.3	3480.1
40°	3692.1	3704.0	3654.8	3600.5	3561.5	3554.7	3571.7	3615.8	3673.5	3731.1
42.5°	3990.6	4004.2	3939.7	3892.2	3861.7	3861.7	3870.2	3910.9	3963.5	4034.7
45°	4372.2	4395.9	4307.8	4260.3	4231.4	4238.2	4243.3	4278.9	4326.4	4407.8
47.5°	4826.7	4850.5	4757.2	4708.0	4702.9	4735.1	4714.8	4740.2	4765.7	4858.9
50°	5342.3	5383.0	5318.6	5315.2	5325.3	5384.7	5337.2	5350.8	5321.9	5381.3
52.5°	5973.2	6032.6	6020.7	6041.0	6154.7	6276.8	6168.2	6120.7	6012.2	6030.9
55°	6738.1	6828.0	6844.9	6967.0	7224.8	7474.1	7243.5	7051.8	6821.2	6778.8
57.5°	7608.1	7679.3	7760.7	8010.1	8491.7	8934.4	8491.7	8067.7	7704.8	7618.3
60°	8544.3	8632.5	8710.5	9078.5	9794.2	10416.6	9780.6	9107.3	8627.4	8510.4
62.5°	9550.0	9663.6	9717.9	10126.6	10961.0	11703.9	10972.9	10157.1	9624.6	9499.1
65°	10515.0	10608.3	10669.3	11105.2	11902.3	12646.8	11956.6	11152.7	10604.9	10440.4
67.5°	10964.4	11015.3	11164.5	11658.1	12499.3	13349.0	12641.7	11710.7	11098.4	10810.1
70°	10306.4	10202.9	10562.5	11352.8	12570.5	13779.7	12733.3	11329.1	10579.4	10111.4
72.5°	7964.3	7786.2	8410.3	9762.0	11756.4	13505.0	11837.8	9838.3	8798.7	7848.9
75°	4333.2	4131.4	4992.9	6702.5	9375.3	11705.6	9590.7	6894.1	5559.4	4301.0
77.5°	1222.8	1146.5	1841.8	3242.7	5639.1	8218.7	5856.2	3313.9	2184.4	1295.7
80°	374.8	362.9	491.8	976.9	2394.7	3936.3	2301.4	988.7	625.8	395.2
82.5°	222.2	203.5	244.2	356.2	610.5	1236.4	593.6	371.4	298.5	200.1
85°	127.2	118.7	144.2	173.0	205.2	262.9	171.3	176.4	159.4	106.8
87.5°	52.6	47.5	56.0	54.3	47.5	61.1	45.8	54.3	64.4	42.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2976.4
2966.2
2928.9
2888.2
2869.6
2869.6
2881.4
2903.5
2925.5
2935.7
2945.9
2971.3
3029.0
3118.9
3263.0
3463.2
3712.5
4029.6
4404.4
4831.8
5345.7
5968.1
6712.6
7557.2
8408.6
9397.4
10359.0
10813.5
10223.3
8084.7
4580.8
1439.9
417.2
217.1
111.9
39.0
0.0

OF REPORT)