

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: P850031

Luminaire Tested: **GLAN-SB7B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850031
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-SB7B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33539 lumens
Efficiency: N/A
Efficacy: 130.7 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

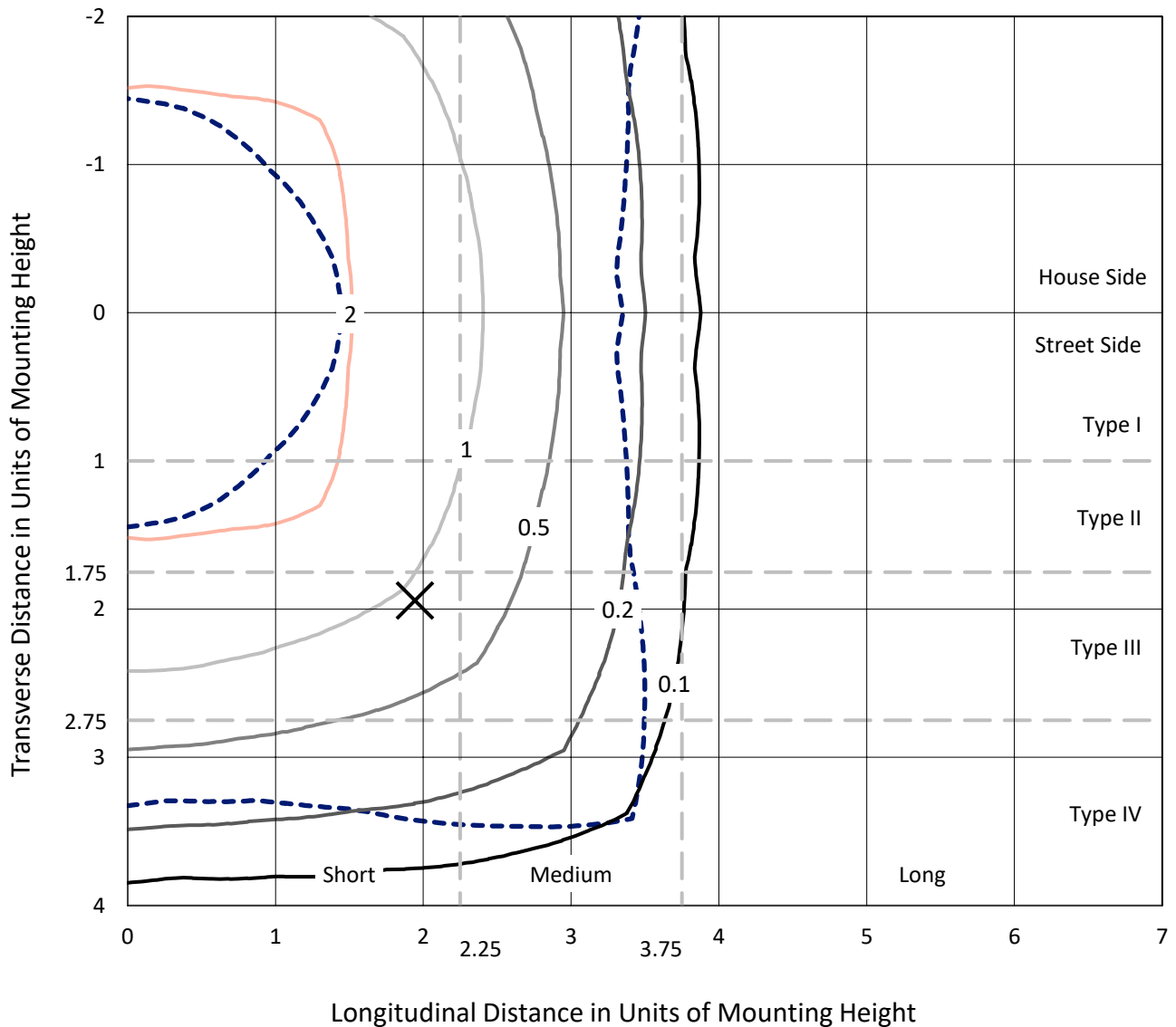
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

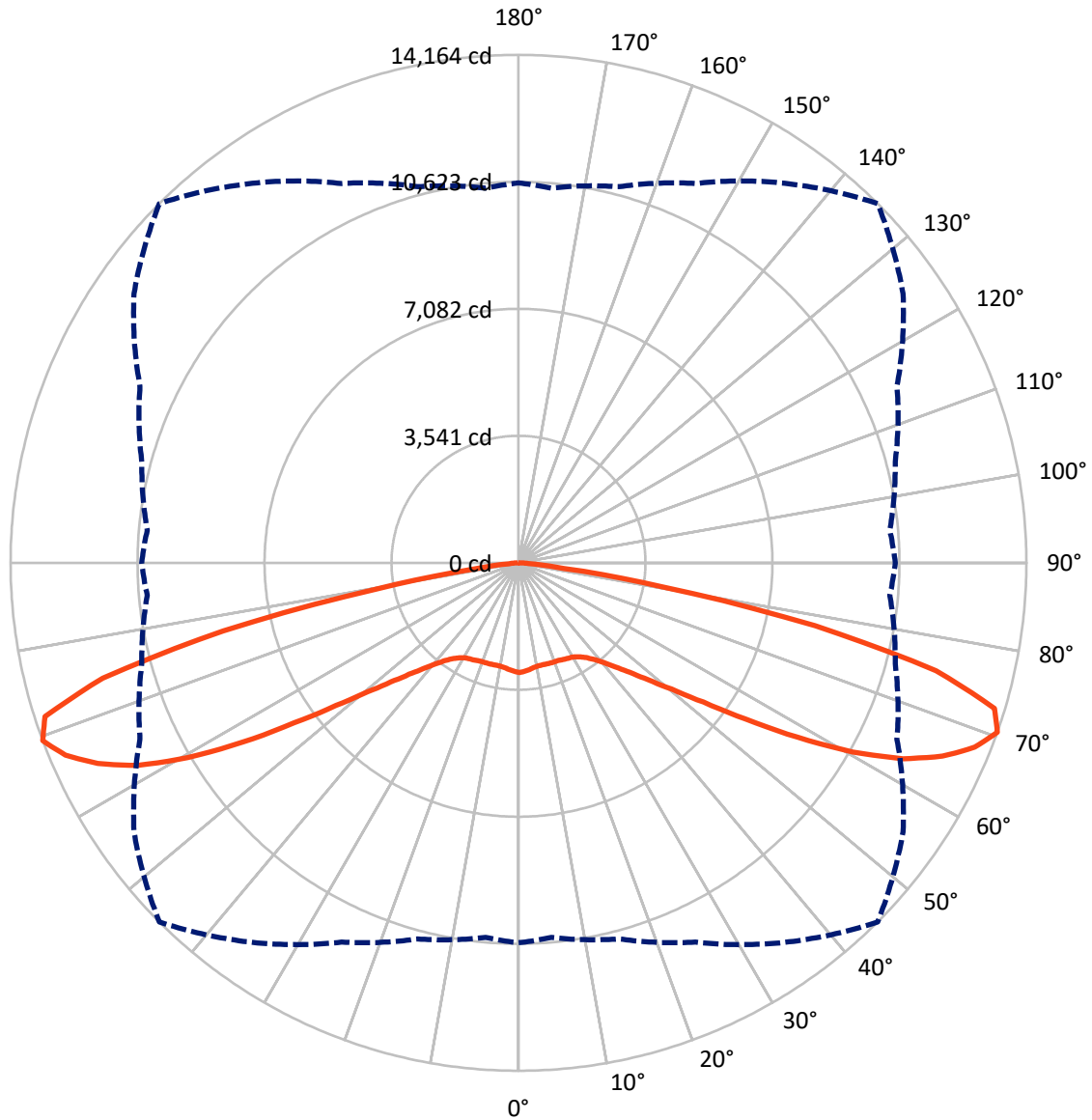
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	16769.5	0.0	16769.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16769.5	0.0	16769.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33539.0	0.0	33539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	0.8
10°-20°	835.7	2.5
20°-30°	1390.6	4.1
30°-40°	2103.1	6.3
40°-50°	3494.8	10.4
50°-60°	6594.6	19.7
60°-70°	11135.2	33.2
70°-80°	7317.0	21.8
80°-90°	383.3	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°	33539.0	100.0
0°-180°	33539.0	100.0

Coefficient of Utilization

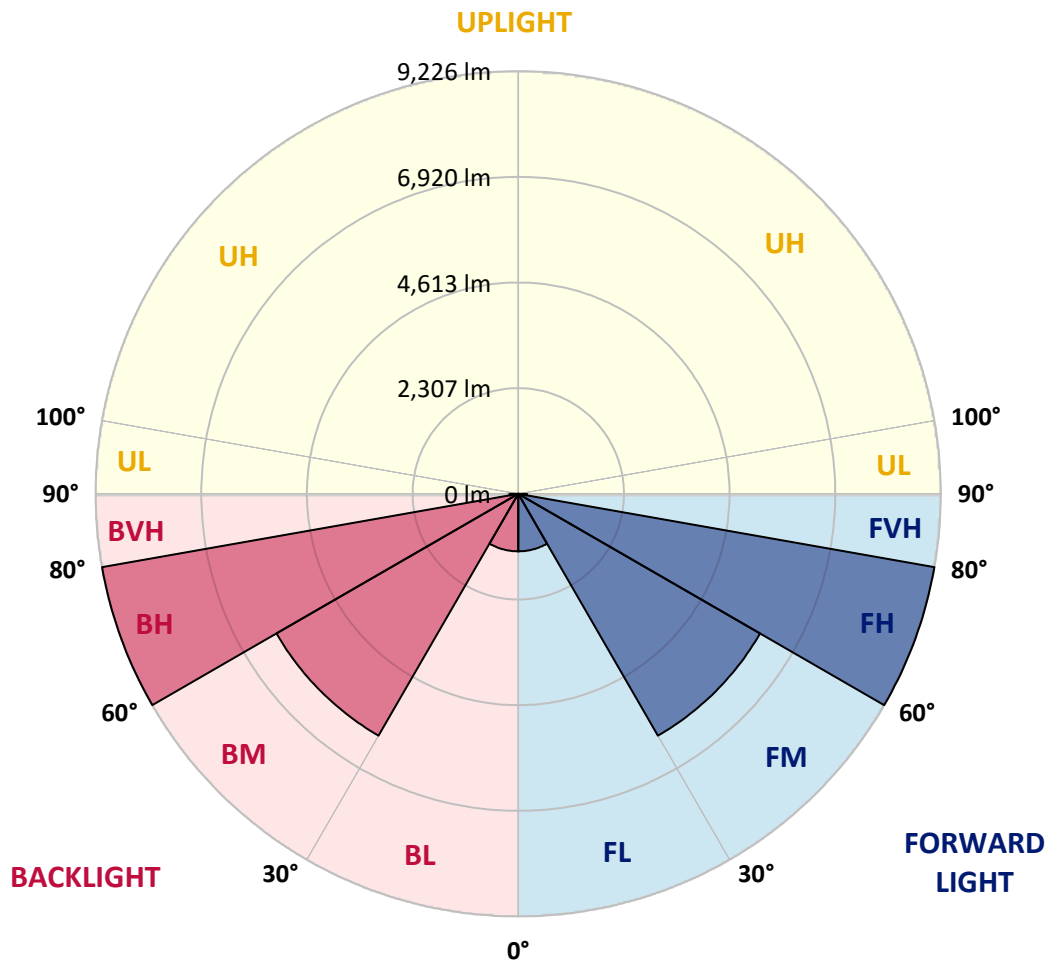


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1255.5	3.7			
FM (30°-60°)	6096.3	18.2			
FH (60°-80°)	9226.1	27.5			G4/12000
FVH (80°-90°)	191.7	0.6			G2/225
BL (0°-30°)	1255.5	3.7	B3/2500		
BM (30°-60°)	6096.3	18.2	B4/8500		
BH (60°-80°)	9226.1	27.5	B5		G4/12000
BVH (80°-90°)	191.7	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°	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4
2.5°	3040.3	3049.0	3045.5	3038.5	3038.5	3033.3	3038.5	3042.0	3047.2	3050.7
5°	3000.2	3007.1	3005.4	3000.2	3001.9	2996.7	3000.2	3005.4	3008.9	3010.6
7.5°	2965.3	2972.3	2968.8	2960.1	2960.1	2954.8	2956.6	2961.8	2967.0	2968.8
10°	2956.6	2963.6	2953.1	2939.1	2933.9	2926.9	2928.7	2933.9	2944.4	2949.6
12.5°	2960.1	2965.3	2954.8	2933.9	2928.7	2921.7	2921.7	2926.9	2940.9	2947.9
15°	2970.5	2975.8	2960.1	2937.4	2932.2	2926.9	2925.2	2932.2	2947.9	2960.1
17.5°	2989.7	2994.9	2970.5	2939.1	2932.2	2933.9	2932.2	2937.4	2961.8	2984.5
20°	3007.1	3010.6	2977.5	2939.1	2932.2	2933.9	2932.2	2942.6	2974.0	3005.4
22.5°	3012.4	3015.9	2984.5	2951.3	2946.1	2947.9	2946.1	2956.6	2986.2	3017.6
25°	3014.1	3019.3	2994.9	2968.8	2977.5	2981.0	2977.5	2979.2	3001.9	3029.8
27.5°	3040.3	3047.2	3024.6	3001.9	3007.1	3005.4	3010.6	3015.9	3033.3	3061.2
30°	3094.3	3099.5	3080.4	3057.7	3054.2	3042.0	3057.7	3075.1	3094.3	3118.7
32.5°	3183.2	3193.7	3169.3	3144.9	3129.2	3122.2	3134.4	3164.0	3190.2	3216.3
35°	3331.4	3338.4	3315.7	3270.4	3242.5	3242.5	3252.9	3291.3	3333.1	3366.2
37.5°	3540.6	3549.3	3509.2	3455.2	3413.3	3413.3	3427.3	3467.4	3530.1	3577.2
40°	3795.1	3807.3	3756.7	3701.0	3660.9	3653.9	3671.3	3716.6	3775.9	3835.2
42.5°	4101.9	4115.9	4049.6	4000.8	3969.4	3969.4	3978.1	4020.0	4074.0	4147.2
45°	4494.1	4518.5	4427.9	4379.1	4349.4	4356.4	4361.7	4398.3	4447.1	4530.7
47.5°	4961.3	4985.7	4889.9	4839.3	4834.1	4867.2	4846.3	4872.4	4898.6	4994.5
50°	5491.3	5533.1	5466.9	5463.4	5473.9	5534.9	5486.1	5500.0	5470.4	5531.4
52.5°	6139.8	6200.8	6188.6	6209.5	6326.3	6451.8	6340.3	6291.4	6179.9	6199.1
55°	6926.0	7018.4	7035.8	7161.3	7426.3	7682.6	7445.5	7248.5	7011.4	6967.8
57.5°	7820.3	7893.5	7977.2	8233.4	8728.5	9183.5	8728.5	8292.7	7919.7	7830.8
60°	8782.6	8873.2	8953.4	9331.7	10067.4	10707.1	10053.4	9361.3	8868.0	8747.7
62.5°	9816.3	9933.1	9988.9	10409.0	11266.7	12030.3	11278.9	10440.4	9893.0	9764.0
65°	10808.3	10904.1	10966.9	11414.9	12234.2	12999.5	12290.0	11463.7	10900.6	10731.5
67.5°	11270.2	11322.5	11475.9	11983.2	12847.9	13721.2	12994.3	12037.3	11407.9	11111.6
70°	10593.8	10487.5	10857.1	11669.4	12921.1	14164.0	13088.4	11645.0	10874.5	10393.4
72.5°	8186.4	8003.3	8644.9	10034.2	12084.3	13881.6	12168.0	10112.7	9044.1	8067.8
75°	4454.0	4246.6	5132.2	6889.4	9636.8	12032.0	9858.2	7086.4	5714.4	4420.9
77.5°	1256.9	1178.4	1893.2	3333.1	5796.4	8447.9	6019.5	3406.3	2245.3	1331.9
80°	385.3	373.1	505.5	1004.1	2461.5	4046.1	2365.6	1016.3	643.3	406.2
82.5°	228.4	209.2	251.0	366.1	627.6	1270.8	610.1	381.8	306.8	205.7
85°	130.7	122.0	148.2	177.8	210.9	270.2	176.1	181.3	163.9	109.8
87.5°	54.0	48.8	57.5	55.8	48.8	62.8	47.1	55.8	66.2	43.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3059.4
3049.0
3010.6
2968.8
2949.6
2949.6
2961.8
2984.5
3007.1
3017.6
3028.1
3054.2
3113.5
3205.9
3354.0
3559.7
3816.0
4142.0
4527.3
4966.6
5494.8
6134.6
6899.8
7768.0
8643.1
9659.4
10647.9
11115.1
10508.4
8310.1
4708.6
1480.0
428.8
223.1
115.1
40.1
0.0

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