

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: P851221

Luminaire Tested: **GLAN-SB9A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851221
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-SB9A-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34219 lumens
Efficiency: N/A
Efficacy: 133.9 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

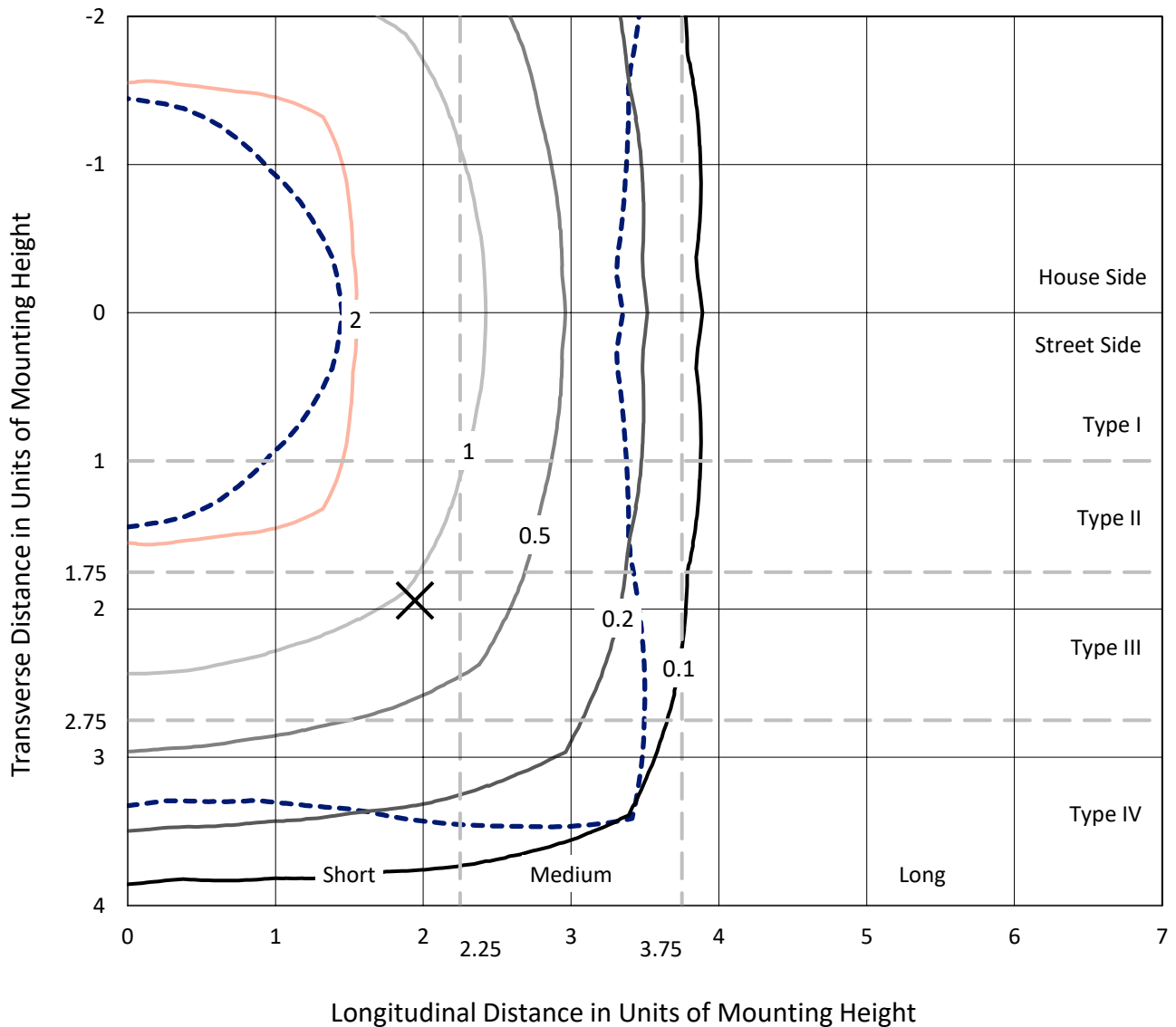
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

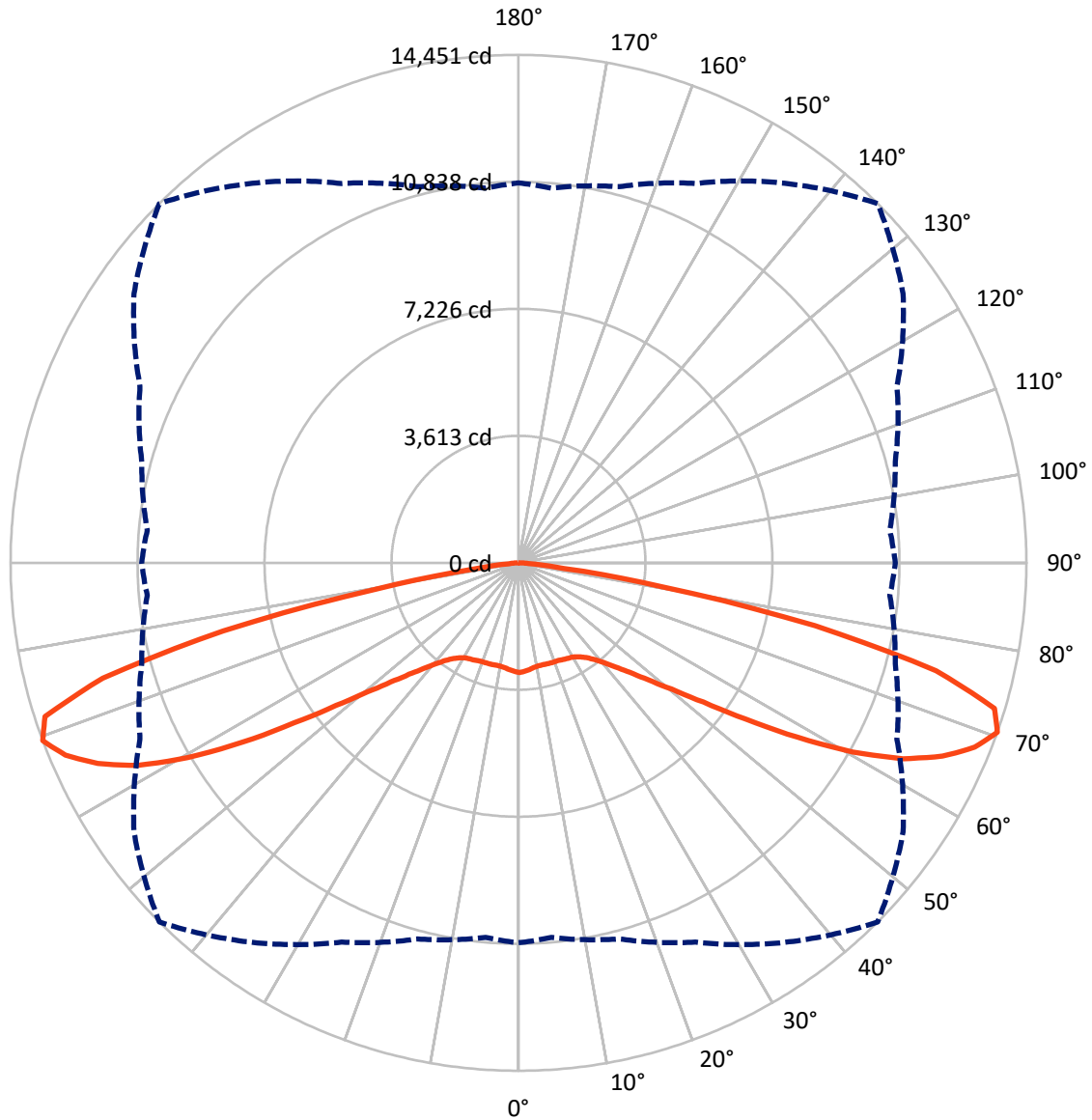
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	17109.5	0.0	17109.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17109.5	0.0	17109.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34219.0	0.0	34219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	0.8
10°-20°	852.6	2.5
20°-30°	1418.8	4.1
30°-40°	2145.7	6.3
40°-50°	3565.7	10.4
50°-60°	6728.3	19.7
60°-70°	11361.0	33.2
70°-80°	7465.4	21.8
80°-90°	391.1	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°	34219.0	100.0
0°-180°	34219.0	100.0

Coefficient of Utilization



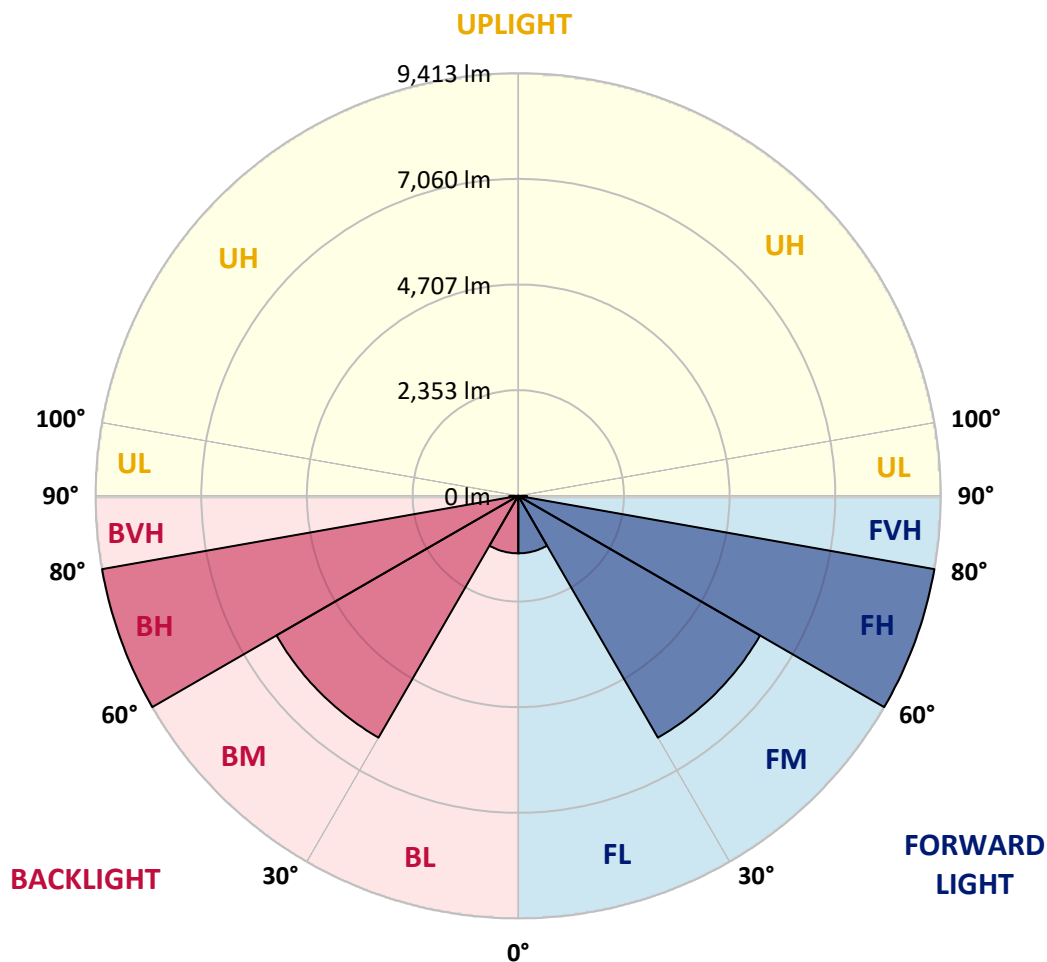
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1280.9	3.7			
FM (30°-60°)	6219.8	18.2			
FH (60°-80°)	9413.2	27.5			G4/12000
FVH (80°-90°)	195.6	0.6			G2/225
BL (0°-30°)	1280.9	3.7	B3/2500		
BM (30°-60°)	6219.8	18.2	B4/8500		
BH (60°-80°)	9413.2	27.5	B5		G4/12000
BVH (80°-90°)	195.6	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°	3121.5	3121.5	3121.5	3121.5	3121.5	3121.5	3121.5	3121.5	3121.5	3121.5
2.5°	3101.9	3110.8	3107.2	3100.1	3100.1	3094.8	3100.1	3103.7	3109.0	3112.6
5°	3061.0	3068.1	3066.3	3061.0	3062.8	3057.4	3061.0	3066.3	3069.9	3071.7
7.5°	3025.4	3032.5	3029.0	3020.1	3020.1	3014.7	3016.5	3021.9	3027.2	3029.0
10°	3016.5	3023.6	3013.0	2998.7	2993.4	2986.3	2988.1	2993.4	3004.1	3009.4
12.5°	3020.1	3025.4	3014.7	2993.4	2988.1	2981.0	2981.0	2986.3	3000.5	3007.6
15°	3030.8	3036.1	3020.1	2997.0	2991.6	2986.3	2984.5	2991.6	3007.6	3020.1
17.5°	3050.3	3055.7	3030.8	2998.7	2991.6	2993.4	2991.6	2997.0	3021.9	3045.0
20°	3068.1	3071.7	3037.9	2998.7	2991.6	2993.4	2991.6	3002.3	3034.3	3066.3
22.5°	3073.4	3077.0	3045.0	3011.2	3005.9	3007.6	3005.9	3016.5	3046.8	3078.8
25°	3075.2	3080.6	3055.7	3029.0	3037.9	3041.4	3037.9	3039.6	3062.8	3091.2
27.5°	3101.9	3109.0	3085.9	3062.8	3068.1	3066.3	3071.7	3077.0	3094.8	3123.2
30°	3157.0	3162.4	3142.8	3119.7	3116.1	3103.7	3119.7	3137.5	3157.0	3181.9
32.5°	3247.7	3258.4	3233.5	3208.6	3192.6	3185.5	3197.9	3228.2	3254.9	3281.5
35°	3398.9	3406.0	3382.9	3336.7	3308.2	3308.2	3318.9	3358.0	3400.7	3434.5
37.5°	3612.4	3621.3	3580.3	3525.2	3482.5	3482.5	3496.7	3537.7	3601.7	3649.7
40°	3872.0	3884.5	3832.9	3776.0	3735.1	3728.0	3745.8	3792.0	3852.5	3912.9
42.5°	4185.1	4199.3	4131.7	4081.9	4049.9	4049.9	4058.8	4101.5	4156.6	4231.3
45°	4585.3	4610.2	4517.7	4467.9	4437.6	4444.7	4450.1	4487.4	4537.2	4622.6
47.5°	5061.9	5086.8	4989.0	4937.4	4932.1	4965.9	4944.5	4971.2	4997.9	5095.7
50°	5602.6	5645.3	5577.7	5574.2	5584.8	5647.1	5597.3	5611.5	5581.3	5643.5
52.5°	6264.3	6326.5	6314.1	6335.4	6454.6	6582.6	6468.8	6419.0	6305.2	6324.7
55°	7066.4	7160.7	7178.5	7306.5	7576.9	7838.3	7596.4	7395.5	7153.6	7109.1
57.5°	7978.8	8053.5	8138.9	8400.4	8905.5	9369.7	8905.5	8460.9	8080.2	7989.5
60°	8960.6	9053.1	9134.9	9520.9	10271.5	10924.2	10257.2	9551.1	9047.8	8925.1
62.5°	10015.4	10134.5	10191.4	10620.1	11495.2	12274.2	11507.6	10652.1	10093.6	9962.0
65°	11027.4	11125.2	11189.2	11646.3	12482.3	13263.1	12539.2	11696.1	11121.7	10949.1
67.5°	11498.7	11552.1	11708.6	12226.2	13108.4	13999.4	13257.8	12281.3	11639.2	11336.9
70°	10808.6	10700.1	11077.2	11906.0	13183.1	14451.2	13353.8	11881.1	11095.0	10604.1
72.5°	8352.4	8165.6	8820.1	10237.7	12329.3	14163.1	12414.7	10317.7	9227.4	8231.4
75°	4544.4	4332.7	5236.2	7029.1	9832.2	12276.0	10058.0	7230.1	5830.3	4510.6
77.5°	1282.4	1202.3	1931.6	3400.7	5913.9	8619.1	6141.5	3475.4	2290.9	1358.9
80°	393.1	380.6	515.8	1024.5	2511.4	4128.2	2413.6	1036.9	656.3	414.4
82.5°	233.0	213.4	256.1	373.5	640.3	1296.6	622.5	389.5	313.0	209.9
85°	133.4	124.5	151.2	181.4	215.2	275.7	179.6	185.0	167.2	112.1
87.5°	55.1	49.8	58.7	56.9	49.8	64.0	48.0	56.9	67.6	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3121.5
3110.8
3071.7
3029.0
3009.4
3009.4
3021.9
3045.0
3068.1
3078.8
3089.4
3116.1
3176.6
3270.9
3422.0
3631.9
3893.4
4226.0
4619.1
5067.3
5606.2
6258.9
7039.7
7925.5
8818.4
9855.3
10863.8
11340.4
10721.5
8478.6
4804.0
1510.0
437.5
227.7
117.4
40.9
0.0

OF REPORT)