

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: P849864

Luminaire Tested: **GLAN-SB7A-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26130 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

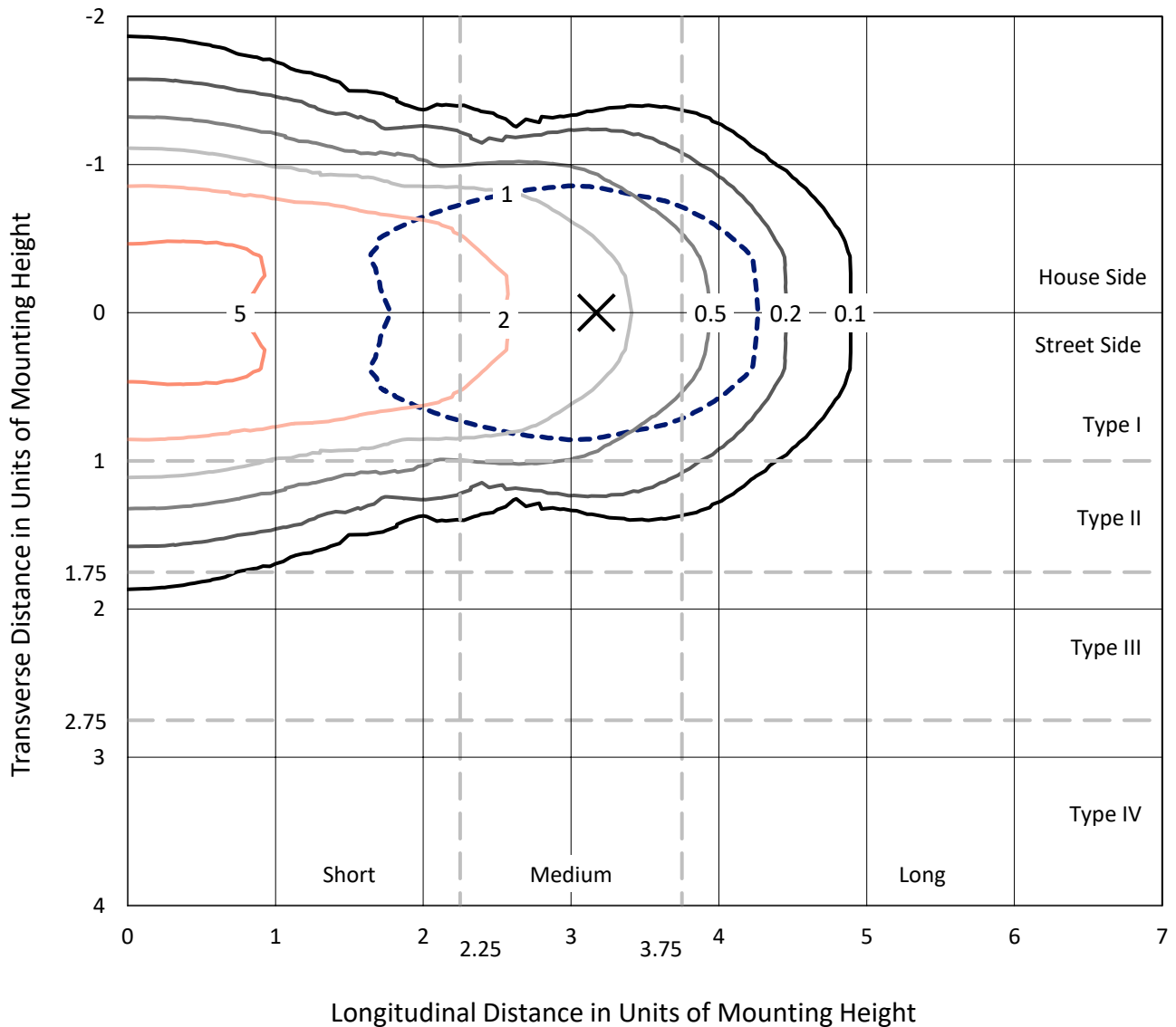
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

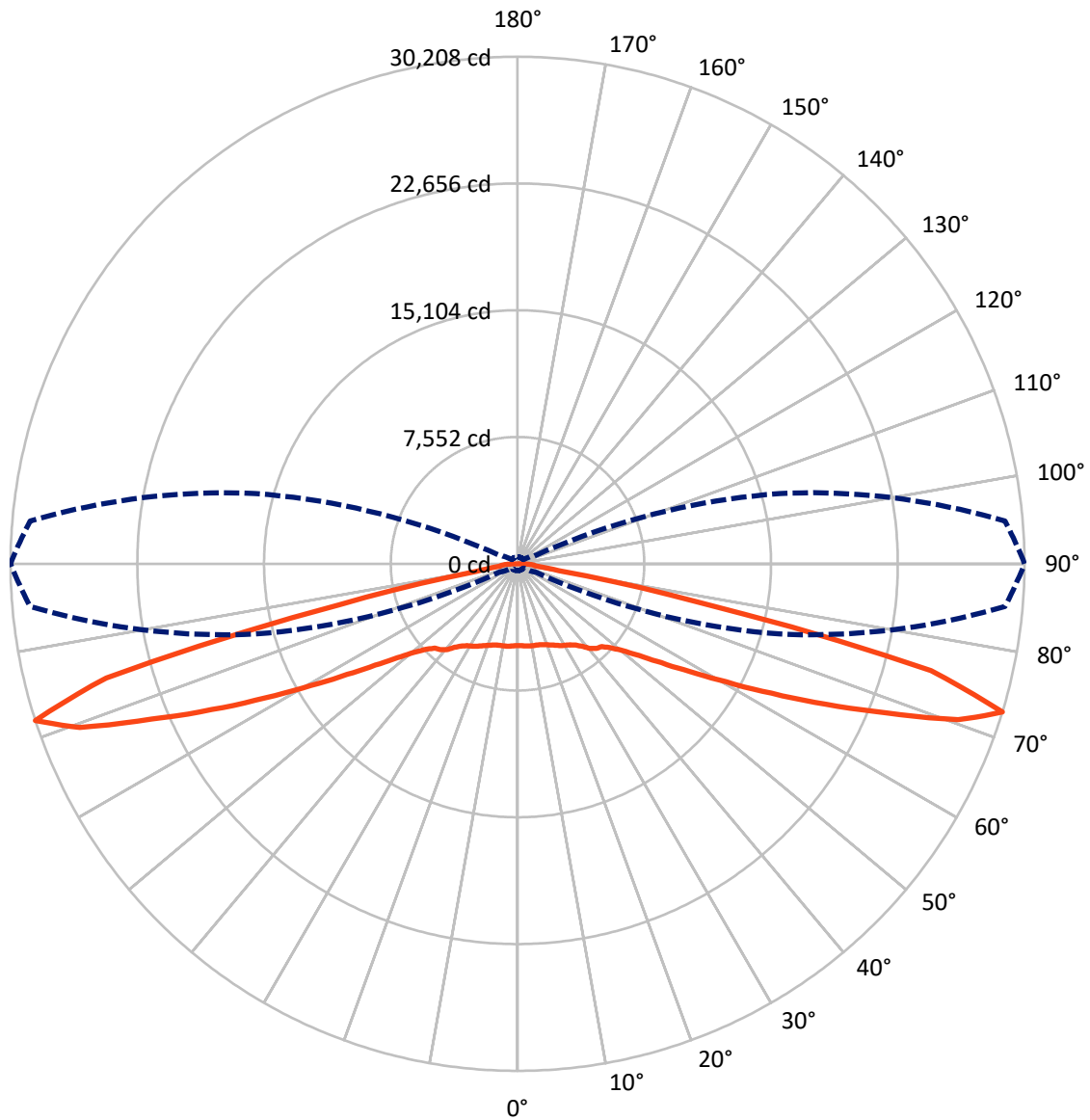
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13065.0	0.0	13065.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13065.0	0.0	13065.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26130.0	0.0	26130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.4	1.8
10°-20°	1447.6	5.5
20°-30°	2413.7	9.2
30°-40°	3319.6	12.7
40°-50°	4054.1	15.5
50°-60°	4689.0	17.9
60°-70°	5590.9	21.4
70°-80°	3902.1	14.9
80°-90°	239.7	0.9
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°	26130.0	100.0
0°-180°	26130.0	100.0

Coefficient of Utilization



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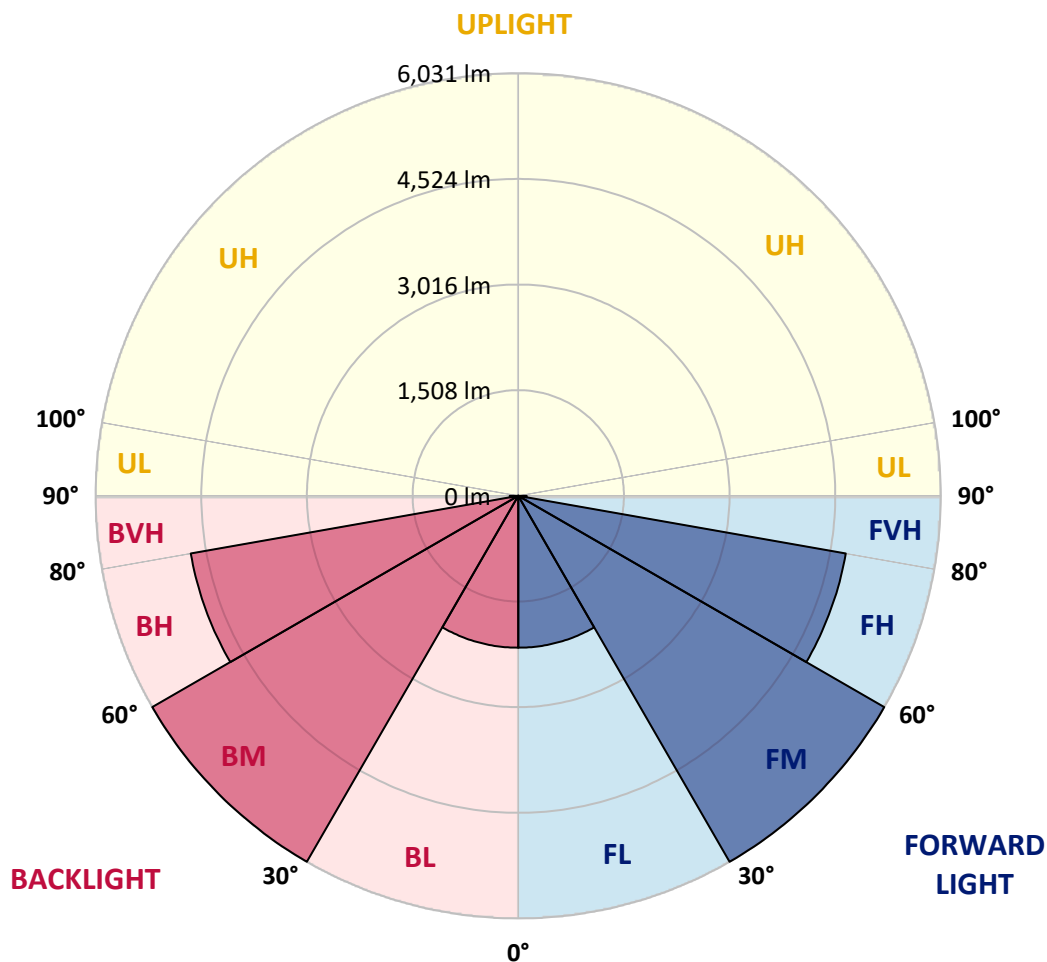
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2167.3	8.3			
FM (30°-60°)	6031.3	23.1			
FH (60°-80°)	4746.5	18.2			G2/5000
FVH (80°-90°)	119.8	0.5			G2/225
BL (0°-30°)	2167.3	8.3	B3/2500		
BM (30°-60°)	6031.3	23.1	B4/8500		
BH (60°-80°)	4746.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	119.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4882.7	4882.7	4882.7	4882.7	4882.7	4882.7	4882.7	4882.7	4882.7	4882.7
2.5°	4886.8	4892.4	4892.4	4888.2	4897.9	4889.6	4889.6	4885.4	4889.6	4885.4
5°	4911.8	4918.8	4921.5	4920.2	4932.7	4925.7	4925.7	4920.2	4921.5	4917.4
7.5°	4959.0	4968.8	4974.3	4981.3	4999.3	4991.0	4985.4	4968.8	4961.8	4950.7
10°	4974.3	4985.4	5003.5	5039.6	5081.3	5082.6	5066.0	5024.3	4992.4	4967.4
12.5°	4927.1	4942.4	4979.9	5053.5	5146.5	5184.0	5157.6	5088.2	5025.7	4981.3
15°	4867.4	4884.1	4941.0	5052.1	5189.6	5277.1	5274.3	5182.6	5082.6	5013.2
17.5°	4774.3	4791.0	4872.9	5028.5	5222.9	5367.3	5406.2	5311.8	5171.5	5078.5
20°	4606.3	4621.6	4735.5	4953.5	5234.0	5463.1	5564.5	5481.2	5306.2	5179.8
22.5°	4388.3	4411.9	4545.2	4824.3	5207.6	5563.1	5745.0	5688.1	5463.1	5288.2
25°	4155.0	4180.0	4335.5	4666.0	5139.6	5635.3	5958.9	5922.8	5640.9	5422.9
27.5°	3953.6	3980.0	4149.4	4509.1	5034.0	5663.1	6170.0	6188.0	5856.1	5571.5
30°	3795.3	3820.3	4000.8	4382.7	4897.9	5635.3	6354.7	6479.7	6075.6	5700.6
32.5°	3621.7	3653.7	3843.9	4228.6	4736.9	5568.7	6515.8	6794.9	6329.7	5839.5
35°	3402.3	3431.5	3631.4	4017.5	4525.8	5461.8	6650.5	7144.9	6693.5	6050.6
37.5°	3135.7	3163.5	3362.0	3753.7	4316.1	5311.8	6753.2	7539.2	7126.8	6354.7
40°	2867.7	2894.0	3080.1	3459.2	4064.7	5120.1	6789.4	7925.3	7624.0	6772.7
42.5°	2621.9	2645.5	2816.3	3169.0	3782.8	4875.7	6742.1	8261.4	8069.7	7064.3
45°	2395.5	2416.3	2567.7	2896.8	3489.8	4578.5	6600.5	8622.4	8600.2	7272.6
47.5°	2137.2	2158.0	2315.0	2633.0	3196.8	4230.0	6360.2	8977.9	9337.6	7744.8
50°	1822.0	1840.0	2001.1	2328.8	2892.7	3859.2	6027.0	9257.1	10268.0	8460.0
52.5°	1448.4	1467.9	1624.8	1952.5	2531.6	3460.6	5588.1	9439.0	11342.9	9504.3
55°	1077.6	1091.5	1227.6	1522.0	2084.4	3006.5	5038.2	9490.4	12562.2	10931.8
57.5°	781.8	790.2	877.7	1097.1	1580.3	2438.6	4370.2	9357.1	14013.4	12762.1
60°	633.2	636.0	662.4	759.6	1098.5	1797.0	3563.4	8898.8	15588.1	15121.5
62.5°	574.9	574.9	581.9	608.3	743.0	1185.9	2587.1	7948.9	17276.8	18103.1
65°	534.6	534.6	537.4	549.9	586.0	755.5	1633.1	6401.9	18700.2	21595.7
67.5°	498.5	499.9	498.5	502.7	523.5	558.3	947.1	4421.6	19466.8	25214.6
70°	461.0	463.8	456.9	456.9	473.5	474.9	593.0	2424.7	18830.8	28247.5
72.5°	416.6	420.8	409.7	406.9	419.4	413.8	445.8	1163.7	16167.2	29153.0
75°	377.7	383.3	358.3	351.3	351.3	347.2	362.5	597.1	10493.0	23781.5
77.5°	343.0	354.1	313.8	291.6	286.1	273.6	295.8	365.2	4589.7	11165.1
80°	283.3	298.6	258.3	231.9	222.2	208.3	233.3	255.5	1365.1	2592.7
82.5°	211.1	218.0	183.3	165.3	156.9	147.2	175.0	177.8	444.4	917.9
85°	134.7	137.5	112.5	97.2	93.0	88.9	111.1	97.2	169.4	674.9
87.5°	47.2	54.2	43.0	38.9	41.7	34.7	51.4	29.2	47.2	476.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4882.7
4885.4
4917.4
4950.7
4963.2
4974.3
5002.1
5063.2
5156.2
5256.2
5378.4
5524.2
5632.6
5753.4
5954.7
6226.9
6636.6
6889.3
7036.5
7472.6
8118.3
9083.5
10405.5
12099.7
14286.9
16985.2
20182.0
23688.4
27846.2
30208.4
25436.8
10933.2
2483.0
1037.4
980.4
590.2
0.0

OF REPORT)