

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: P851564

Luminaire Tested: **GLAN-SB9C-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851564
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-SB9C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55873 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

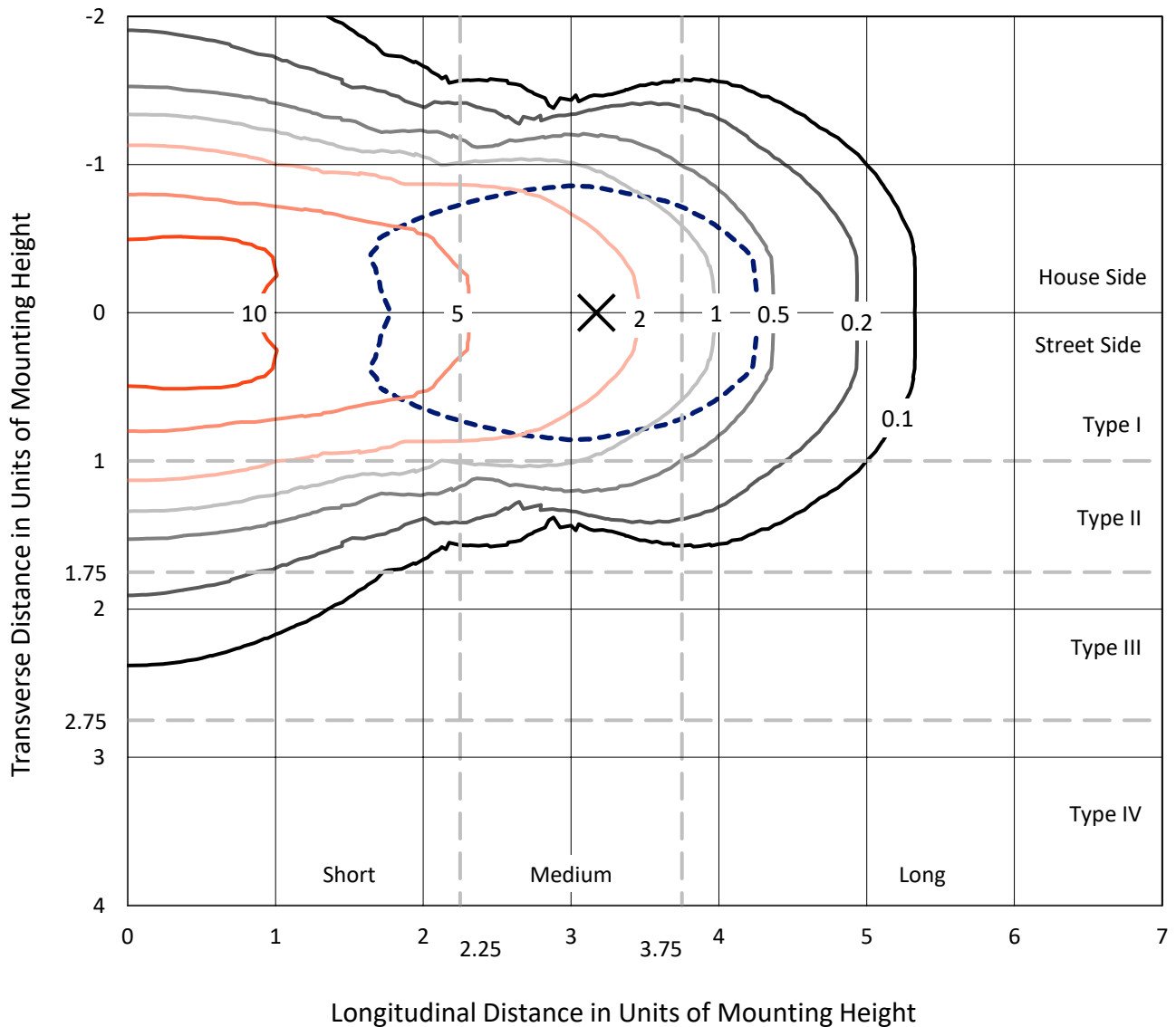
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

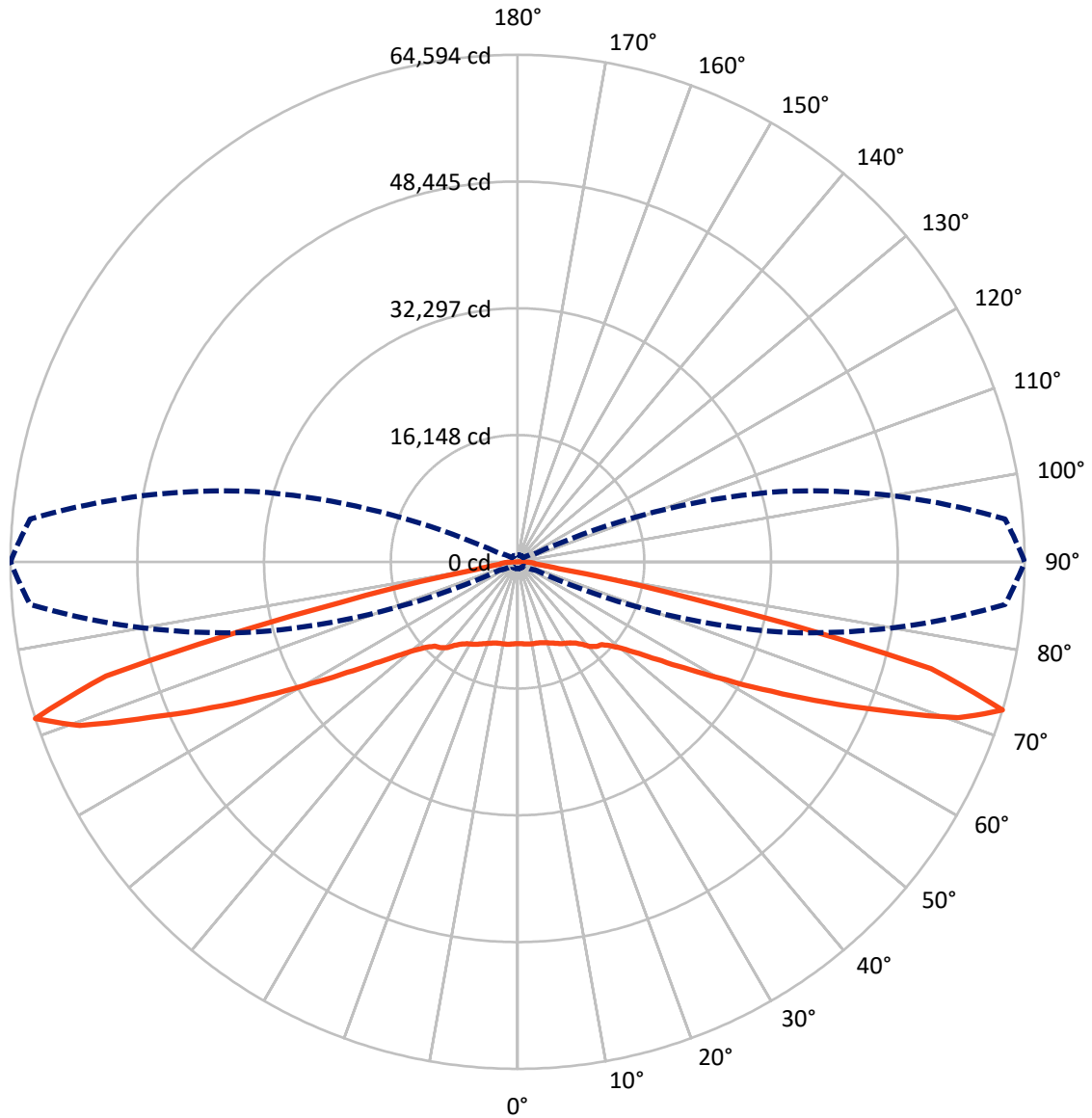
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 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	27936.5	0.0	27936.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27936.5	0.0	27936.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55873.0	0.0	55873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1012.3	1.8
10°-20°	3095.3	5.5
20°-30°	5161.1	9.2
30°-40°	7098.2	12.7
40°-50°	8668.8	15.5
50°-60°	10026.4	17.9
60°-70°	11954.8	21.4
70°-80°	8343.7	14.9
80°-90°	512.5	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°	55873.0	100.0
0°-180°	55873.0	100.0

Coefficient of Utilization

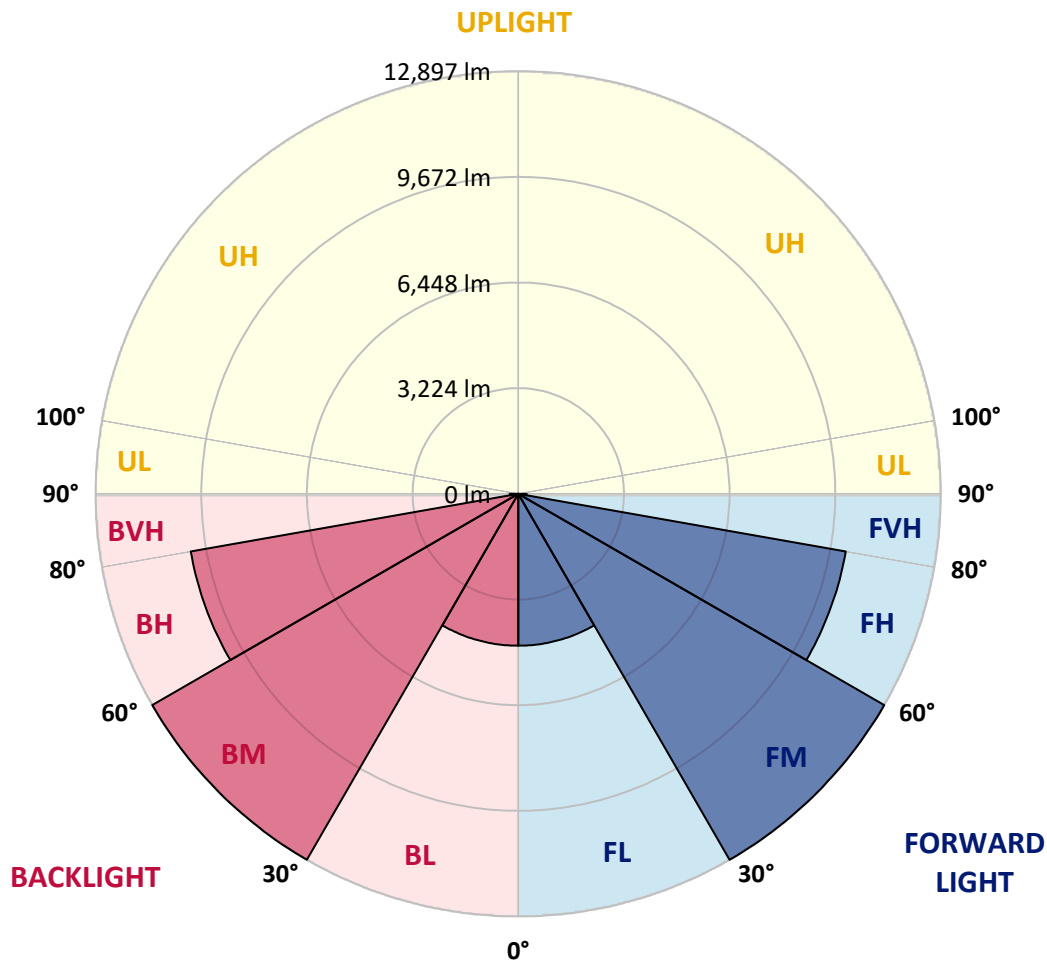


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4634.4	8.3			
FM (30°-60°)	12896.7	23.1			
FH (60°-80°)	10149.2	18.2			G4/12000
FVH (80°-90°)	256.2	0.5			G3/500
BL (0°-30°)	4634.4	8.3	B4/5000		
BM (30°-60°)	12896.7	23.1	B5		
BH (60°-80°)	10149.2	18.2	B5		G5
BVH (80°-90°)	256.2	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10440.5	10440.5	10440.5	10440.5	10440.5	10440.5	10440.5	10440.5	10440.5	10440.5
2.5°	10449.4	10461.2	10461.2	10452.3	10473.1	10455.3	10455.3	10446.4	10455.3	10446.4
5°	10502.8	10517.7	10523.6	10520.6	10547.4	10532.5	10532.5	10520.6	10523.6	10514.7
7.5°	10603.8	10624.6	10636.4	10651.3	10689.9	10672.1	10660.2	10624.6	10609.7	10586.0
10°	10636.4	10660.2	10698.8	10776.0	10865.1	10868.1	10832.4	10743.3	10675.0	10621.6
12.5°	10535.5	10568.1	10648.3	10805.7	11004.6	11084.8	11028.4	10879.9	10746.3	10651.3
15°	10407.8	10443.4	10565.2	10802.7	11096.7	11283.8	11277.8	11081.9	10868.1	10719.6
17.5°	10208.8	10244.5	10419.7	10752.2	11168.0	11476.8	11559.9	11358.0	11058.1	10859.1
20°	9849.5	9882.2	10125.7	10591.9	11191.7	11681.7	11898.4	11720.3	11346.1	11075.9
22.5°	9383.3	9433.8	9718.9	10315.7	11135.3	11895.5	12284.5	12162.7	11681.7	11307.5
25°	8884.5	8937.9	9270.5	9977.2	10989.8	12049.9	12741.8	12664.6	12061.8	11595.6
27.5°	8453.9	8510.3	8872.6	9641.7	10764.1	12109.3	13193.1	13231.7	12522.0	11913.3
30°	8115.4	8168.9	8554.9	9371.5	10473.1	12049.9	13588.0	13855.3	12991.2	12189.4
32.5°	7744.2	7812.5	8219.3	9041.9	10128.7	11907.4	13932.5	14529.3	13534.6	12486.4
35°	7275.1	7337.4	7765.0	8590.5	9677.3	11678.7	14220.5	15277.6	14312.6	12937.7
37.5°	6704.9	6764.3	7189.0	8026.3	9228.9	11358.0	14440.3	16120.9	15239.0	13588.0
40°	6131.8	6188.3	6586.2	7396.8	8691.5	10948.2	14517.5	16946.4	16302.1	14481.8
42.5°	5606.3	5656.7	6022.0	6776.2	8088.7	10425.6	14416.5	17665.0	17255.3	15105.4
45°	5122.2	5166.8	5490.4	6194.2	7462.1	9790.2	14113.6	18437.1	18389.6	15550.8
47.5°	4569.9	4614.5	4950.0	5630.0	6835.6	9044.8	13599.9	19197.3	19966.3	16560.4
50°	3895.9	3934.5	4278.9	4979.7	6185.3	8252.0	12887.3	19794.1	21955.8	18089.7
52.5°	3097.1	3138.7	3474.2	4175.0	5413.2	7399.8	11948.9	20183.1	24254.2	20322.7
55°	2304.3	2334.0	2625.0	3254.5	4457.1	6428.8	10773.0	20293.0	26861.3	23375.2
57.5°	1671.8	1689.6	1876.7	2345.8	3379.2	5214.3	9344.7	20007.9	29964.4	27288.9
60°	1354.1	1360.0	1416.4	1624.3	2348.8	3842.4	7619.5	19028.0	33331.7	32333.9
62.5°	1229.3	1229.3	1244.2	1300.6	1588.6	2535.9	5532.0	16996.9	36942.5	38709.3
65°	1143.2	1143.2	1149.2	1175.9	1253.1	1615.4	3492.0	13689.0	39986.1	46177.4
67.5°	1066.0	1069.0	1066.0	1074.9	1119.5	1193.7	2025.1	9454.6	41625.2	53915.7
70°	985.8	991.8	976.9	976.9	1012.6	1015.5	1267.9	5184.6	40265.3	60400.9
72.5°	890.8	899.7	876.0	870.0	896.8	884.9	953.2	2488.4	34569.9	62336.9
75°	807.7	819.6	766.1	751.3	751.3	742.4	775.0	1276.8	22436.9	50851.2
77.5°	733.4	757.2	671.1	623.6	611.7	585.0	632.5	781.0	9813.9	23874.1
80°	605.8	638.4	552.3	495.9	475.1	445.4	498.9	546.4	2918.9	5543.9
82.5°	451.4	466.2	392.0	353.4	335.5	314.8	374.1	380.1	950.2	1962.8
85°	288.0	294.0	240.5	207.9	199.0	190.0	237.6	207.9	362.3	1443.1
87.5°	101.0	115.8	92.1	83.1	89.1	74.2	109.9	62.4	101.0	1018.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10440.5
10446.4
10514.7
10586.0
10612.7
10636.4
10695.8
10826.5
11025.4
11239.2
11500.5
11812.3
12043.9
12302.3
12732.8
13314.9
14190.8
14731.3
15046.0
15978.4
17359.2
19422.9
22249.8
25872.5
30549.3
36318.9
43154.5
50652.3
59542.7
64593.7
54390.8
23378.2
5309.3
2218.2
2096.4
1262.0
0.0

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