

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: P851394

Luminaire Tested: **GLAN-SB9B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851394
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-SB9B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42011 lumens
Efficiency: N/A
Efficacy: 127.5 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

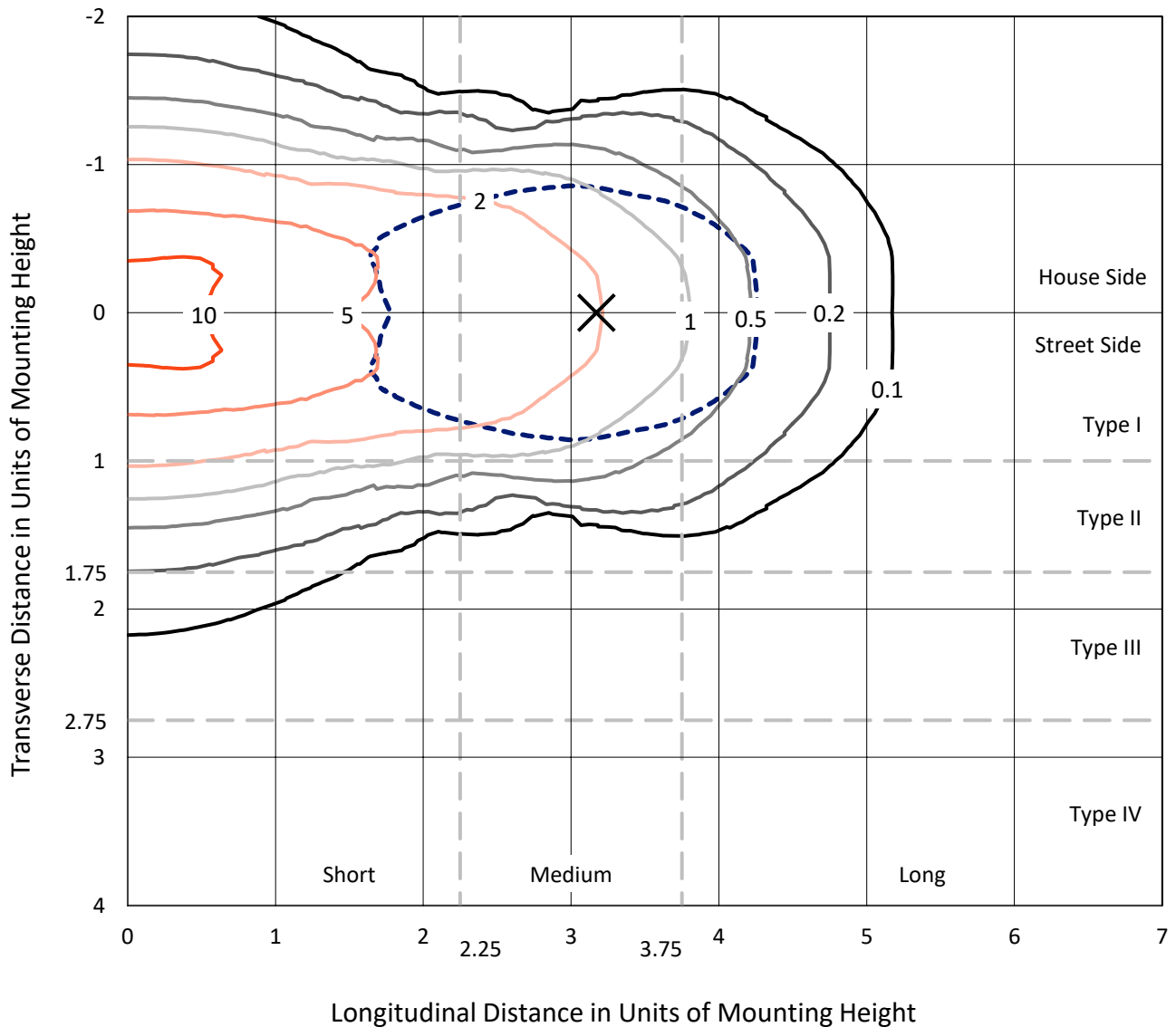
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

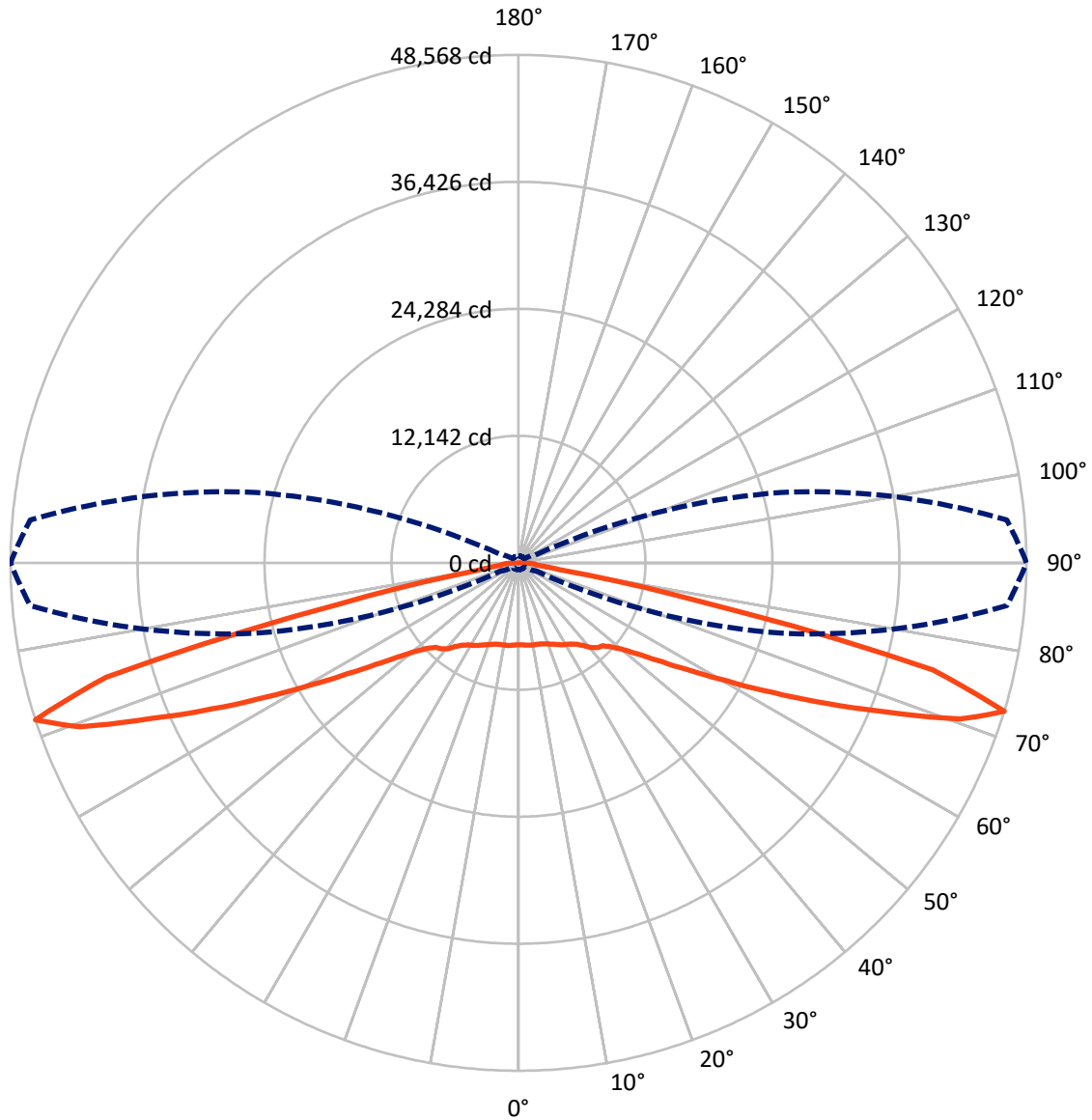
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	21005.5	0.0	21005.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21005.5	0.0	21005.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42011.0	0.0	42011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.2	1.8
10°-20°	2327.4	5.5
20°-30°	3880.7	9.2
30°-40°	5337.1	12.7
40°-50°	6518.1	15.5
50°-60°	7538.8	17.9
60°-70°	8988.8	21.4
70°-80°	6273.6	14.9
80°-90°	385.3	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°	42011.0	100.0
0°-180°	42011.0	100.0

Coefficient of Utilization

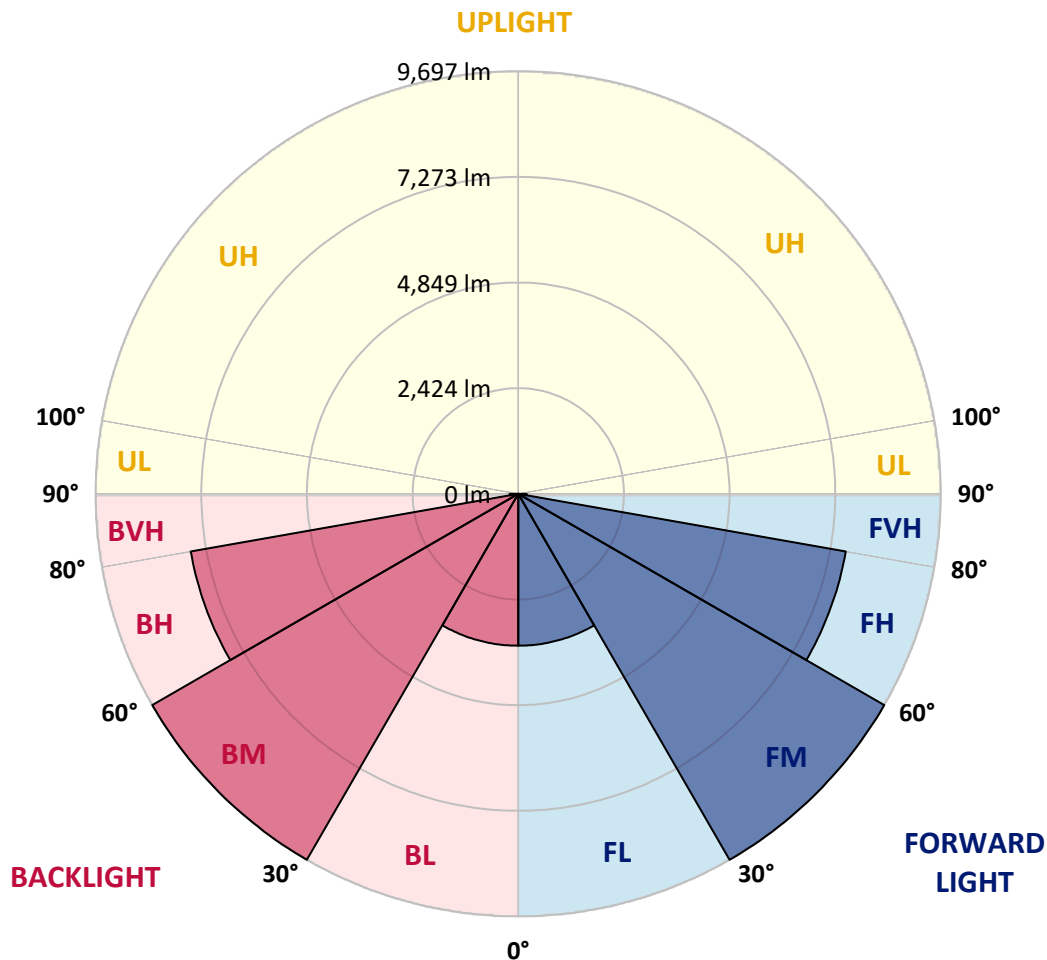


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3484.6	8.3			
FM (30°-60°)	9697.0	23.1			
FH (60°-80°)	7631.2	18.2			G4/12000
FVH (80°-90°)	192.7	0.5			G2/225
BL (0°-30°)	3484.6	8.3	B4/5000		
BM (30°-60°)	9697.0	23.1	B5		
BH (60°-80°)	7631.2	18.2	B5		G5
BVH (80°-90°)	192.7	0.5			G2/225
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°	7850.2	7850.2	7850.2	7850.2	7850.2	7850.2	7850.2	7850.2	7850.2	7850.2
2.5°	7856.9	7865.8	7865.8	7859.1	7874.8	7861.4	7861.4	7854.7	7861.4	7854.7
5°	7897.1	7908.2	7912.7	7910.5	7930.6	7919.4	7919.4	7910.5	7912.7	7906.0
7.5°	7973.0	7988.6	7997.6	8008.7	8037.7	8024.3	8015.4	7988.6	7977.5	7959.6
10°	7997.6	8015.4	8044.4	8102.5	8169.5	8171.7	8144.9	8077.9	8026.6	7986.4
12.5°	7921.6	7946.2	8006.5	8124.8	8274.4	8334.7	8292.3	8180.6	8080.2	8008.7
15°	7825.6	7852.4	7944.0	8122.6	8343.6	8484.3	8479.8	8332.5	8171.7	8060.1
17.5°	7676.0	7702.8	7834.6	8084.6	8397.2	8629.4	8691.9	8540.1	8314.6	8165.0
20°	7405.9	7430.4	7613.5	7964.1	8415.1	8783.5	8946.5	8812.5	8531.2	8328.0
22.5°	7055.4	7093.3	7307.7	7756.4	8372.7	8944.2	9236.7	9145.2	8783.5	8502.1
25°	6680.3	6720.4	6970.5	7501.9	8263.2	9060.3	9580.5	9522.5	9069.3	8718.7
27.5°	6356.5	6398.9	6671.3	7249.6	8093.6	9105.0	9919.9	9948.9	9415.3	8957.6
30°	6102.0	6142.2	6432.4	7046.4	7874.8	9060.3	10216.9	10417.8	9768.1	9165.3
32.5°	5822.9	5874.3	6180.1	6798.6	7615.8	8953.2	10475.9	10924.6	10176.7	9388.5
35°	5470.1	5517.0	5838.5	6459.2	7276.4	8781.2	10692.4	11487.3	10761.6	9727.9
37.5°	5041.5	5086.1	5405.4	6035.0	6939.3	8540.1	10857.7	12121.4	11458.3	10216.9
40°	4610.5	4653.0	4952.1	5561.7	6535.1	8232.0	10915.7	12742.1	12257.6	10888.9
42.5°	4215.4	4253.3	4527.9	5095.0	6081.9	7839.0	10839.8	13282.4	12974.3	11357.8
45°	3851.4	3884.9	4128.3	4657.4	5610.8	7361.2	10612.1	13862.9	13827.2	11692.7
47.5°	3436.1	3469.6	3721.9	4233.2	5139.7	6800.8	10225.8	14434.5	15012.7	12451.8
50°	2929.3	2958.3	3217.3	3744.3	4650.7	6204.7	9689.9	14883.2	16508.6	13601.7
52.5°	2328.7	2360.0	2612.3	3139.2	4070.2	5563.9	8984.4	15175.7	18236.8	15280.6
55°	1732.6	1754.9	1973.7	2447.0	3351.3	4833.8	8100.3	15258.3	20197.1	17575.9
57.5°	1257.0	1270.4	1411.1	1763.8	2540.8	3920.6	7026.3	15044.0	22530.2	20518.6
60°	1018.1	1022.6	1065.0	1221.3	1766.1	2889.1	5729.1	14307.2	25062.1	24311.9
62.5°	924.3	924.3	935.5	977.9	1194.5	1906.7	4159.5	12780.0	27777.1	29105.6
65°	859.6	859.6	864.1	884.2	942.2	1214.6	2625.7	10292.8	30065.6	34720.8
67.5°	801.5	803.8	801.5	808.2	841.7	897.5	1522.7	7108.9	31298.1	40539.3
70°	741.3	745.7	734.6	734.6	761.4	763.6	953.4	3898.3	30275.5	45415.5
72.5°	669.8	676.5	658.6	654.2	674.3	665.3	716.7	1871.0	25993.2	46871.2
75°	607.3	616.2	576.0	564.9	564.9	558.2	582.7	960.1	16870.3	38235.1
77.5°	551.5	569.3	504.6	468.9	459.9	439.8	475.6	587.2	7379.1	17951.0
80°	455.5	480.0	415.3	372.9	357.2	334.9	375.1	410.8	2194.8	4168.5
82.5°	339.4	350.5	294.7	265.7	252.3	236.7	281.3	285.8	714.5	1475.8
85°	216.6	221.0	180.8	156.3	149.6	142.9	178.6	156.3	272.4	1085.1
87.5°	75.9	87.1	69.2	62.5	67.0	55.8	82.6	46.9	75.9	765.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7850.2
7854.7
7906.0
7959.6
7979.7
7997.6
8042.2
8140.5
8290.0
8450.8
8647.3
8881.7
9055.9
9250.1
9573.8
10011.5
10670.1
11076.5
11313.1
12014.2
13052.4
14604.1
16729.7
19453.6
22970.1
27308.2
32447.9
38085.5
44770.2
48568.1
40896.5
17578.1
3992.1
1667.8
1576.3
948.9
0.0

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