

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: P851734

Luminaire Tested: **GLAN-SB9D-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851734
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-SB9D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75919 lumens
Efficiency: N/A
Efficacy: 115.4 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

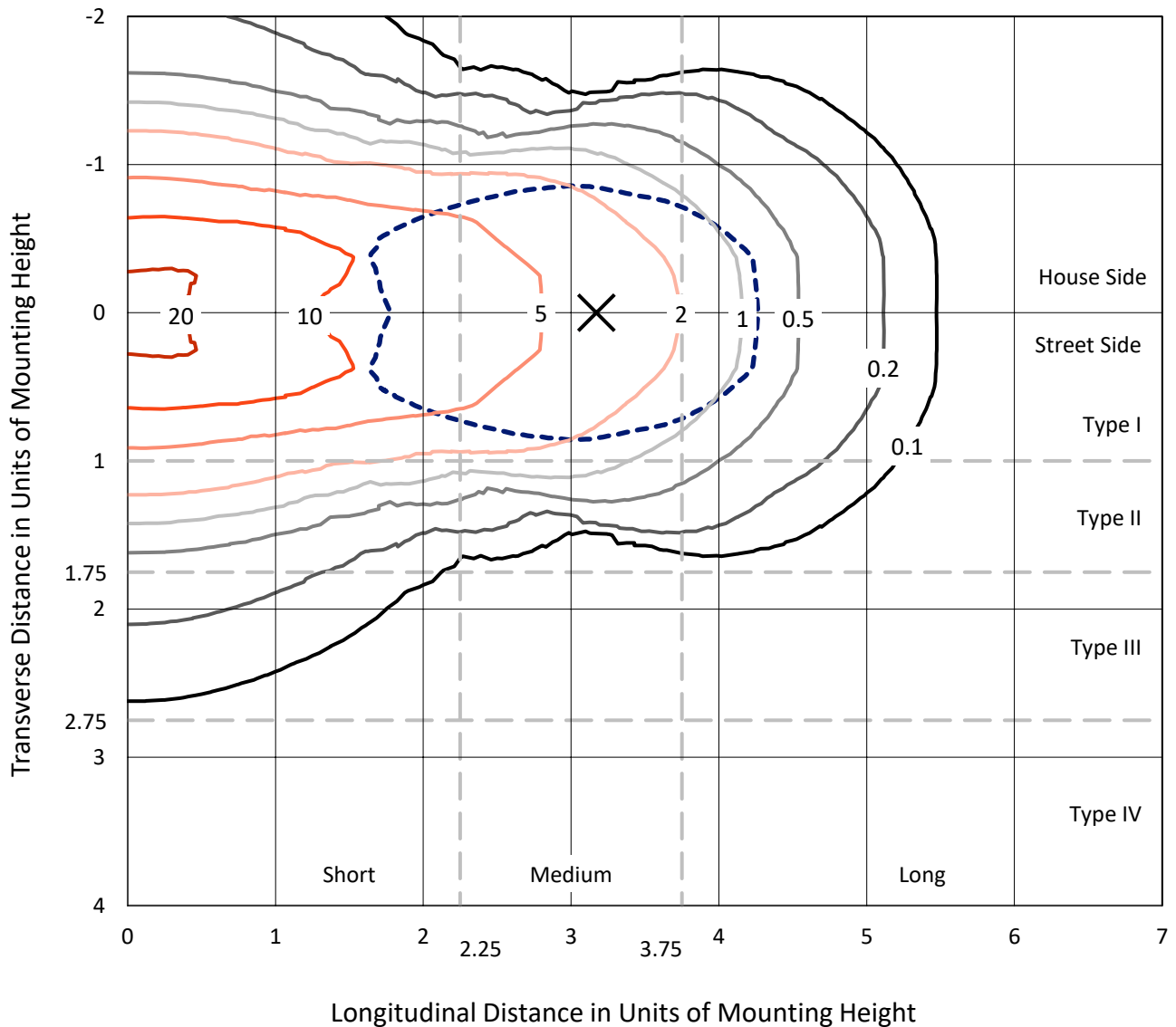
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

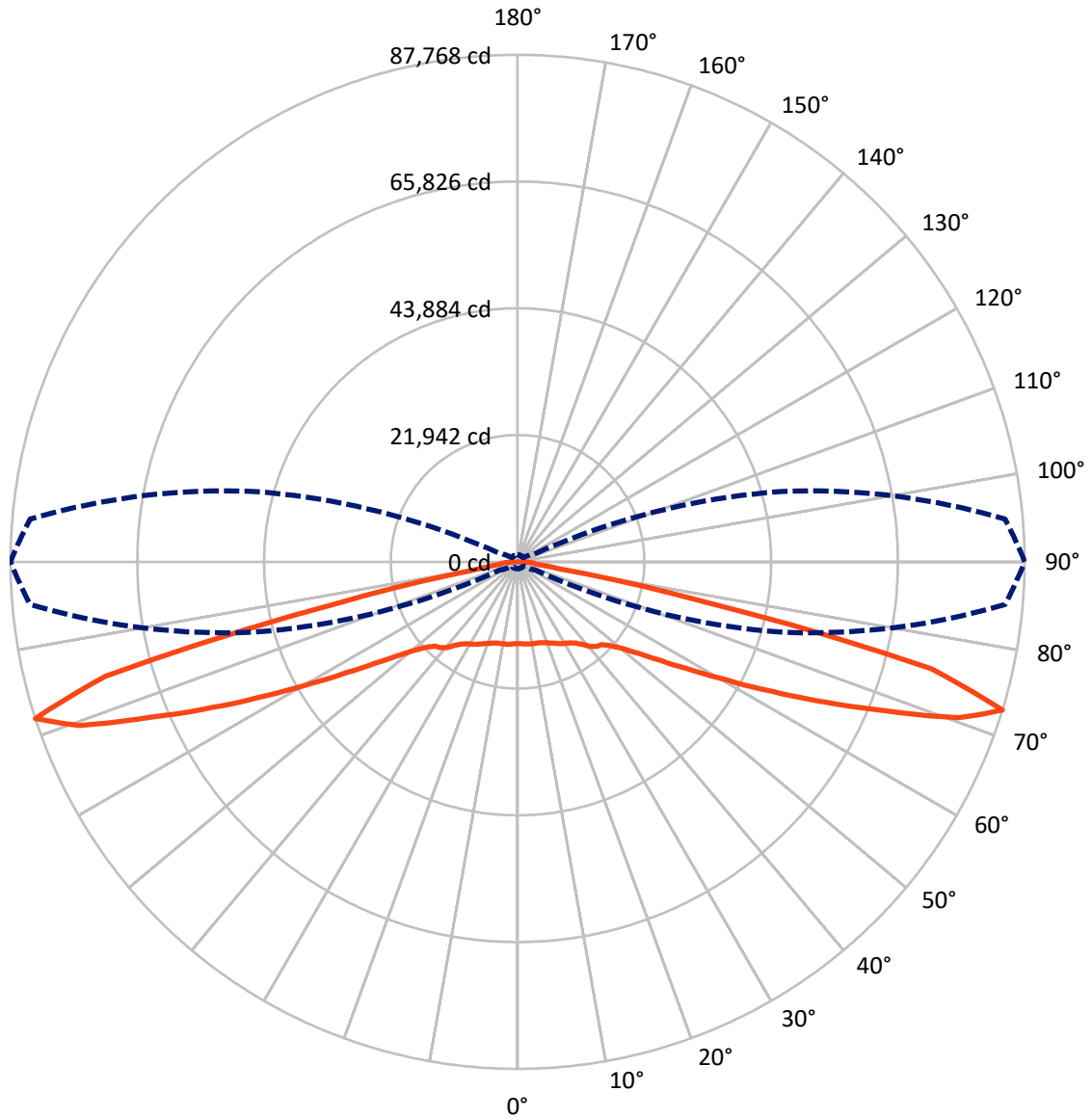
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.7 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	37959.5	0.0	37959.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37959.5	0.0	37959.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	75919.0	0.0	75919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1375.5	1.8
10°-20°	4205.8	5.5
20°-30°	7012.8	9.2
30°-40°	9644.8	12.7
40°-50°	11779.0	15.5
50°-60°	13623.6	17.9
60°-70°	16243.9	21.4
70°-80°	11337.2	14.9
80°-90°	696.3	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°	75919.0	100.0
0°-180°	75919.0	100.0

Coefficient of Utilization



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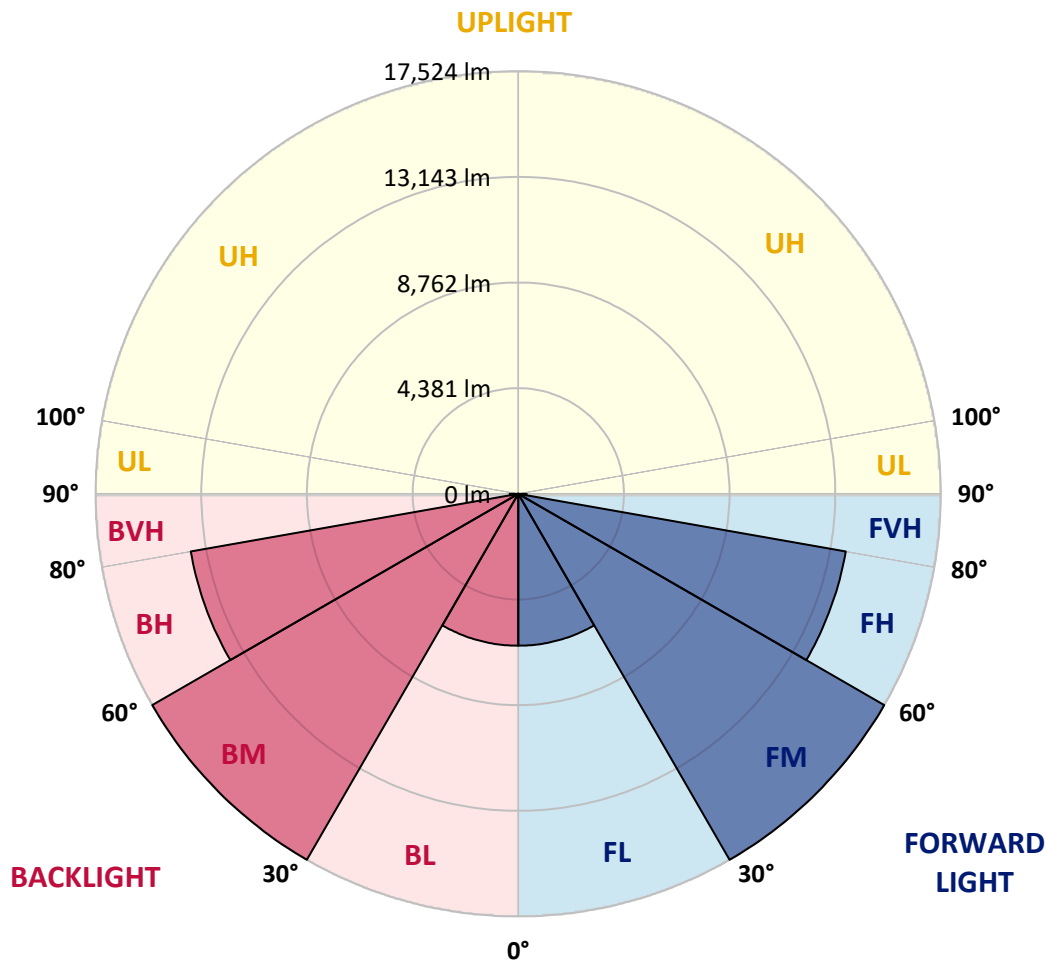
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6297.1	8.3			
FM (30°-60°)	17523.7	23.1			
FH (60°-80°)	13790.6	18.2			G5
FVH (80°-90°)	348.2	0.5			G3/500
BL (0°-30°)	6297.1	8.3	B5		
BM (30°-60°)	17523.7	23.1	B5		
BH (60°-80°)	13790.6	18.2	B5		G5
BVH (80°-90°)	348.2	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°	14186.3	14186.3	14186.3	14186.3	14186.3	14186.3	14186.3	14186.3	14186.3	14186.3
2.5°	14198.4	14214.5	14214.5	14202.4	14230.6	14206.4	14206.4	14194.3	14206.4	14194.3
5°	14271.0	14291.2	14299.2	14295.2	14331.5	14311.3	14311.3	14295.2	14299.2	14287.1
7.5°	14408.2	14436.4	14452.6	14472.7	14525.2	14501.0	14484.8	14436.4	14416.2	14384.0
10°	14452.6	14484.8	14537.3	14642.2	14763.2	14767.3	14718.9	14597.8	14505.0	14432.4
12.5°	14315.4	14359.8	14468.7	14682.5	14952.9	15061.8	14985.2	14783.4	14601.8	14472.7
15°	14141.9	14190.3	14355.7	14678.5	15078.0	15332.1	15324.1	15057.8	14767.3	14565.5
17.5°	13871.6	13920.0	14158.0	14609.9	15174.8	15594.4	15707.4	15433.0	15025.5	14755.2
20°	13383.3	13427.7	13758.6	14392.0	15207.1	15872.8	16167.3	15925.3	15416.9	15049.7
22.5°	12749.9	12818.5	13205.8	14016.8	15130.4	16163.3	16691.9	16526.4	15872.8	15364.4
25°	12072.0	12144.7	12596.6	13556.8	14932.7	16373.1	17313.2	17208.3	16389.3	15755.8
27.5°	11487.0	11563.7	12055.9	13100.9	14626.1	16453.8	17926.5	17979.0	17014.6	16187.5
30°	11027.0	11099.7	11624.2	12733.7	14230.6	16373.1	18463.1	18826.3	17652.1	16562.7
32.5°	10522.7	10615.5	11168.3	12285.9	13762.6	16179.4	18931.2	19742.2	18390.5	16966.2
35°	9885.2	9969.9	10550.9	11672.6	13149.3	15868.8	19322.5	20758.9	19447.6	17579.5
37.5°	9110.5	9191.2	9768.2	10906.0	12540.1	15433.0	19621.1	21904.8	20706.5	18463.1
40°	8331.8	8408.5	8949.1	10050.6	11809.8	14876.2	19726.0	23026.5	22150.9	19677.6
42.5°	7617.7	7686.2	8182.5	9207.4	10990.7	14166.1	19588.8	24002.9	23446.1	20524.9
45°	6960.0	7020.5	7460.3	8416.5	10139.4	13302.7	19177.3	25051.9	24987.4	21130.1
47.5°	6209.5	6270.0	6726.0	7649.9	9288.1	12289.9	18479.3	26084.8	27129.8	22501.9
50°	5293.6	5346.1	5814.1	6766.3	8404.4	11212.6	17510.9	26895.8	29833.1	24579.8
52.5°	4208.3	4264.8	4720.7	5672.9	7355.4	10054.7	16235.9	27424.4	32956.0	27614.0
55°	3131.0	3171.3	3566.7	4422.1	6056.2	8735.3	14638.2	27573.6	36498.6	31761.7
57.5°	2271.6	2295.8	2550.0	3187.5	4591.6	7085.1	12697.4	27186.3	40714.9	37079.6
60°	1839.9	1847.9	1924.6	2207.0	3191.5	5221.0	10353.2	25854.8	45290.3	43934.7
62.5°	1670.4	1670.4	1690.6	1767.2	2158.6	3445.7	7516.8	23095.0	50196.6	52597.3
65°	1553.4	1553.4	1561.5	1597.8	1702.7	2194.9	4744.9	18600.3	54332.3	62744.8
67.5°	1448.5	1452.5	1448.5	1460.6	1521.1	1622.0	2751.7	12846.7	56559.5	73259.4
70°	1339.5	1347.6	1327.4	1327.4	1375.9	1379.9	1722.8	7044.7	54711.5	82071.3
72.5°	1210.4	1222.5	1190.3	1182.2	1218.5	1202.4	1295.2	3381.1	46972.8	84702.0
75°	1097.5	1113.6	1041.0	1020.8	1020.8	1008.7	1053.1	1735.0	30486.8	69095.5
77.5°	996.6	1028.9	911.9	847.3	831.2	794.9	859.4	1061.1	13334.9	32439.6
80°	823.1	867.5	750.5	673.8	645.6	605.2	677.8	742.4	3966.2	7532.9
82.5°	613.3	633.5	532.6	480.1	455.9	427.7	508.4	516.5	1291.1	2667.0
85°	391.4	399.4	326.8	282.4	270.3	258.2	322.8	282.4	492.2	1960.9
87.5°	137.2	157.4	125.1	113.0	121.0	100.9	149.3	84.7	137.2	1383.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14186.3
14194.3
14287.1
14384.0
14420.3
14452.6
14533.3
14710.8
14981.1
15271.6
15626.7
16050.3
16365.0
16716.1
17301.1
18091.9
19282.2
20016.5
20444.2
21711.1
23587.3
26391.5
30232.6
35155.0
41509.8
49349.3
58637.4
68825.2
80905.3
87768.4
73905.0
31765.8
7214.2
3014.0
2848.6
1714.8
0.0

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