

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: P851714

Luminaire Tested: **GLAN-SB9D-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851714
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73107 lumens
Efficiency: N/A
Efficacy: 111.1 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

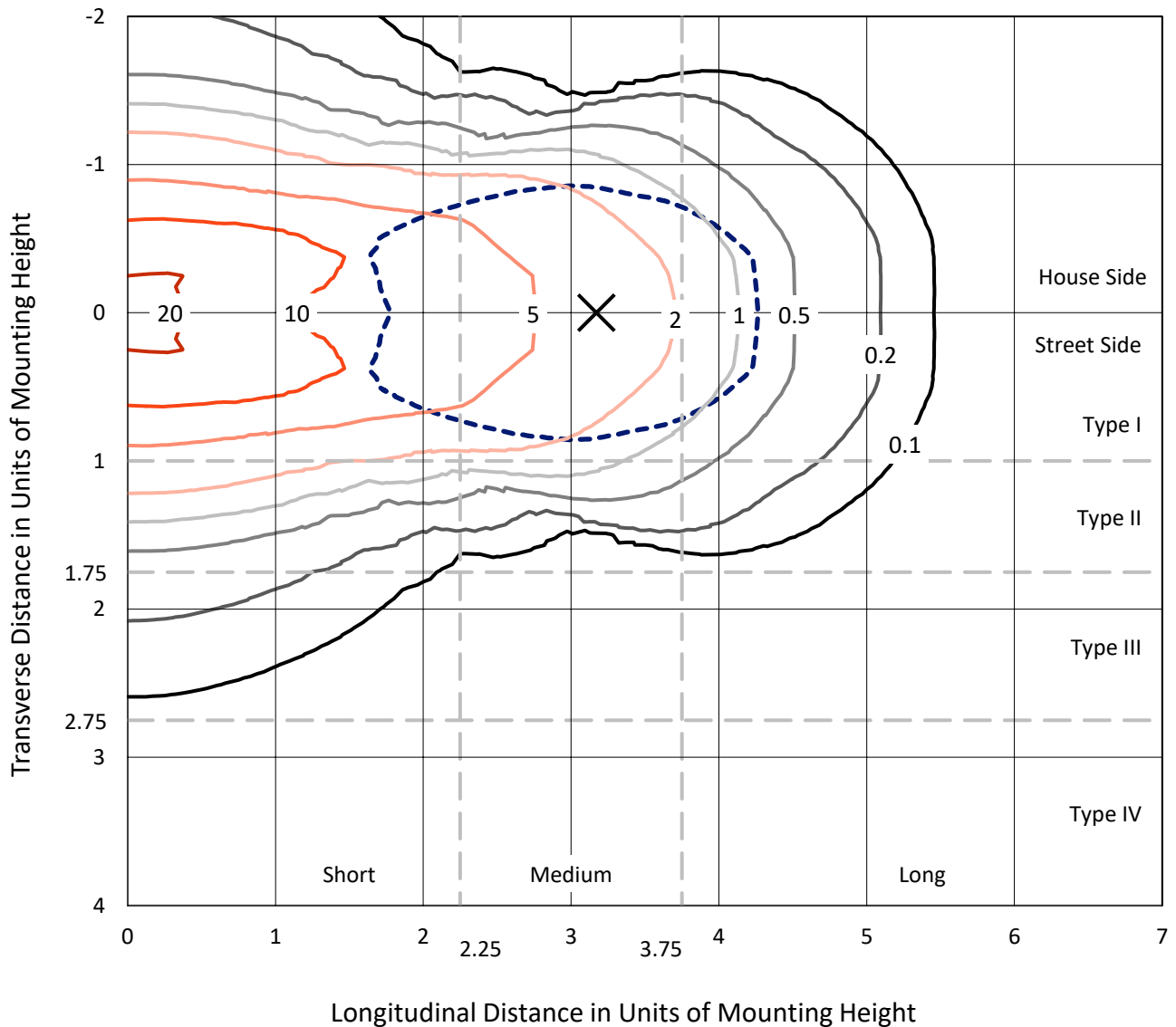
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

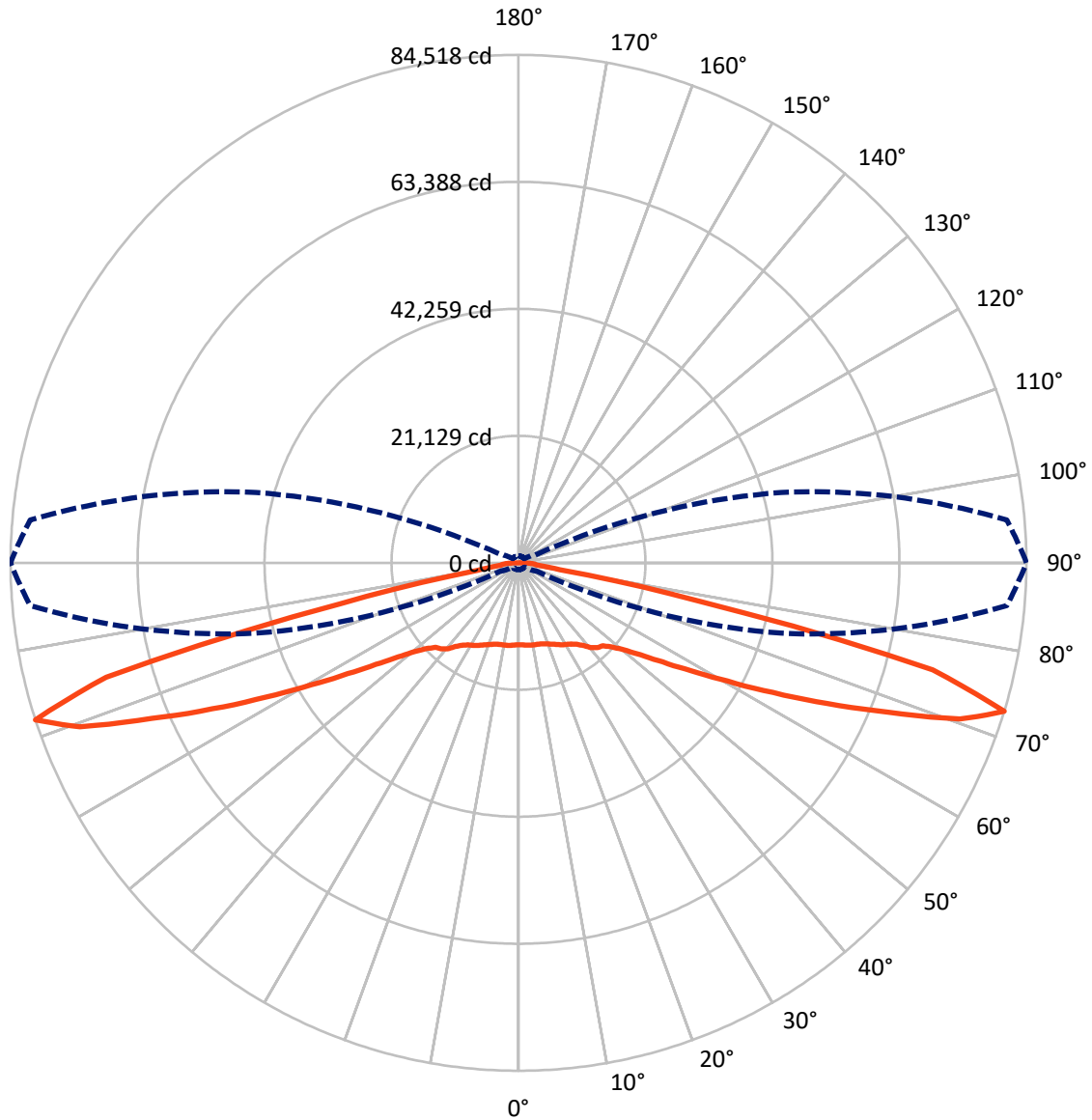
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 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	36553.5	0.0	36553.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36553.5	0.0	36553.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	73107.0	0.0	73107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1324.6	1.8
10°-20°	4050.0	5.5
20°-30°	6753.1	9.2
30°-40°	9287.6	12.7
40°-50°	11342.7	15.5
50°-60°	13119.0	17.9
60°-70°	15642.3	21.4
70°-80°	10917.3	14.9
80°-90°	670.5	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°	73107.0	100.0
0°-180°	73107.0	100.0

Coefficient of Utilization



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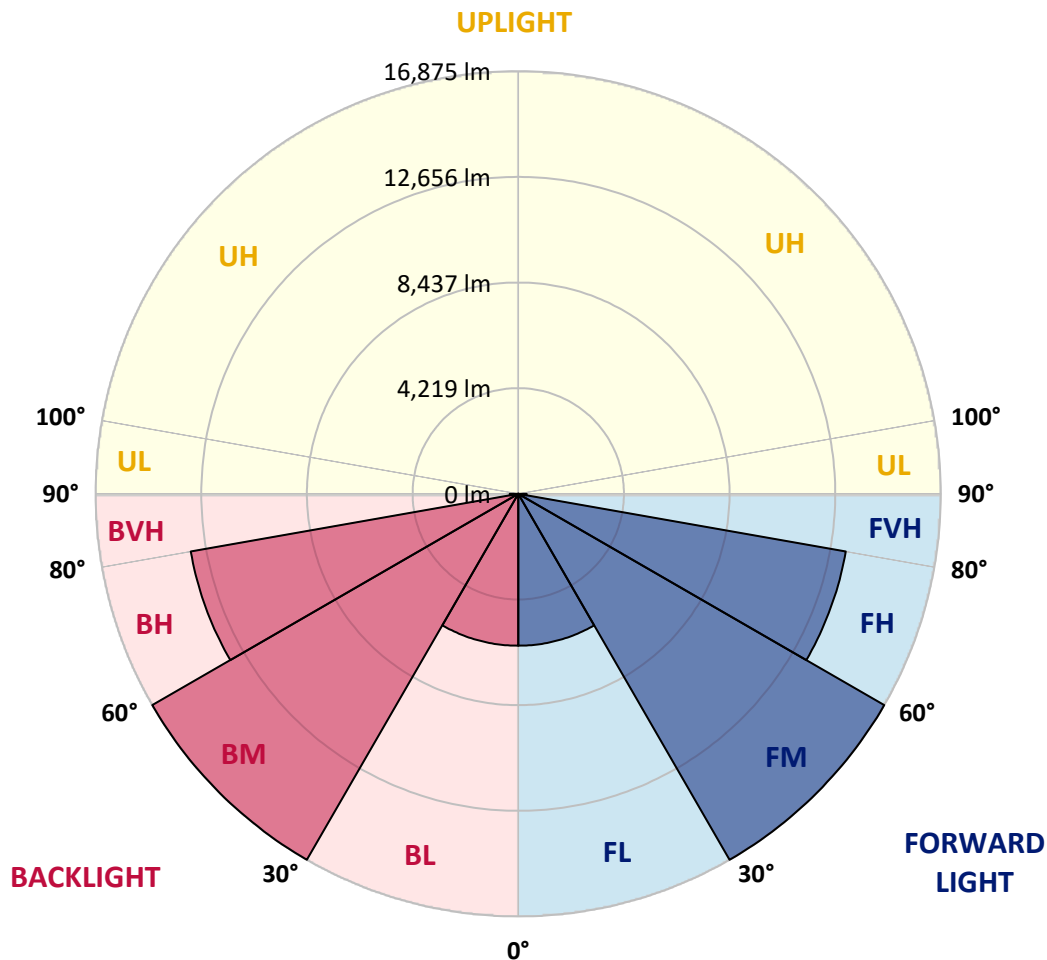
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6063.8	8.3			
FM (30°-60°)	16874.6	23.1			
FH (60°-80°)	13279.8	18.2			G5
FVH (80°-90°)	335.3	0.5			G3/500
BL (0°-30°)	6063.8	8.3	B5		
BM (30°-60°)	16874.6	23.1	B5		
BH (60°-80°)	13279.8	18.2	B5		G5
BVH (80°-90°)	335.3	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°	13660.8	13660.8	13660.8	13660.8	13660.8	13660.8	13660.8	13660.8	13660.8	13660.8
2.5°	13672.5	13688.0	13688.0	13676.4	13703.6	13680.2	13680.2	13668.6	13680.2	13668.6
5°	13742.4	13761.8	13769.6	13765.7	13800.7	13781.3	13781.3	13765.7	13769.6	13757.9
7.5°	13874.5	13901.7	13917.2	13936.7	13987.2	13963.9	13948.3	13901.7	13882.3	13851.2
10°	13917.2	13948.3	13998.8	14099.9	14216.4	14220.3	14173.7	14057.1	13967.8	13897.8
12.5°	13785.1	13827.9	13932.8	14138.7	14399.0	14503.9	14430.1	14235.8	14061.0	13936.7
15°	13618.1	13664.7	13824.0	14134.8	14519.5	14764.2	14756.5	14500.0	14220.3	14026.0
17.5°	13357.8	13404.4	13633.6	14068.8	14612.7	15016.8	15125.6	14861.4	14469.0	14208.6
20°	12887.6	12930.4	13249.0	13859.0	14643.8	15284.9	15568.5	15335.4	14845.8	14492.3
22.5°	12277.6	12343.7	12716.7	13497.6	14570.0	15564.6	16073.6	15914.3	15284.9	14795.3
25°	11624.9	11694.8	12130.0	13054.7	14379.6	15766.7	16671.9	16570.9	15782.2	15172.2
27.5°	11061.5	11135.4	11609.4	12615.7	14084.3	15844.4	17262.5	17313.0	16384.4	15587.9
30°	10618.6	10688.5	11193.6	12262.1	13703.6	15766.7	17779.3	18128.9	16998.3	15949.3
32.5°	10132.9	10222.3	10754.6	11830.8	13252.9	15580.2	18230.0	19010.9	17709.3	16337.8
35°	9519.1	9600.6	10160.1	11240.3	12662.3	15281.0	18606.8	19990.0	18727.3	16928.4
37.5°	8773.1	8850.8	9406.4	10502.0	12075.6	14861.4	18894.4	21093.4	19939.5	17779.3
40°	8023.2	8097.0	8617.7	9678.4	11372.4	14325.2	18995.4	22173.6	21330.5	18948.7
42.5°	7335.5	7401.6	7879.4	8866.3	10583.6	13641.4	18863.3	23113.8	22577.6	19764.7
45°	6702.2	6760.5	7184.0	8104.8	9763.8	12809.9	18467.0	24124.0	24061.8	20347.5
47.5°	5979.5	6037.8	6476.8	7366.6	8944.0	11834.7	17794.8	25118.6	26124.9	21668.5
50°	5097.6	5148.1	5598.8	6515.7	8093.1	10797.3	16862.3	25899.6	28728.1	23669.4
52.5°	4052.4	4106.8	4545.8	5462.8	7083.0	9682.2	15634.6	26408.6	31735.4	26591.2
55°	3015.0	3053.9	3434.6	4258.3	5831.9	8411.7	14096.0	26552.3	35146.7	30585.3
57.5°	2187.4	2210.8	2455.5	3069.4	4421.5	6822.6	12227.1	26179.3	39206.8	35706.2
60°	1771.7	1779.5	1853.3	2125.3	3073.3	5027.6	9969.8	24897.2	43612.8	42307.3
62.5°	1608.5	1608.5	1628.0	1701.8	2078.7	3318.1	7238.4	22239.6	48337.4	50649.1
65°	1495.9	1495.9	1503.6	1538.6	1639.6	2113.6	4569.1	17911.4	52319.8	60420.7
67.5°	1394.8	1398.7	1394.8	1406.5	1464.8	1561.9	2649.8	12370.9	54464.5	70545.9
70°	1289.9	1297.7	1278.3	1278.3	1324.9	1328.8	1659.0	6783.8	52685.1	79031.5
72.5°	1165.6	1177.3	1146.2	1138.4	1173.4	1157.8	1247.2	3255.9	45233.0	81564.7
75°	1056.8	1072.4	1002.4	983.0	983.0	971.3	1014.1	1670.7	29357.5	66536.2
77.5°	959.7	990.8	878.1	815.9	800.4	765.4	827.6	1021.8	12841.0	31238.0
80°	792.6	835.3	722.7	648.8	621.7	582.8	652.7	714.9	3819.3	7253.9
82.5°	590.6	610.0	512.9	462.4	439.0	411.8	489.6	497.3	1243.3	2568.2
85°	376.9	384.6	314.7	272.0	260.3	248.7	310.8	272.0	474.0	1888.3
87.5°	132.1	151.5	120.4	108.8	116.6	97.1	143.8	81.6	132.1	1332.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13660.8
13668.6
13757.9
13851.2
13886.2
13917.2
13995.0
14165.9
14426.2
14706.0
15047.9
15455.8
15758.9
16096.9
16660.3
17421.8
18568.0
19275.1
19687.0
20907.0
22713.6
25413.9
29112.8
33852.9
39972.3
47521.5
56465.5
66275.9
77908.6
84517.5
71167.6
30589.2
6947.0
2902.3
2743.0
1651.3
0.0

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