

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: P846804

Luminaire Tested: **GLAN-SB2C-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846804
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-SB2C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 12267 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

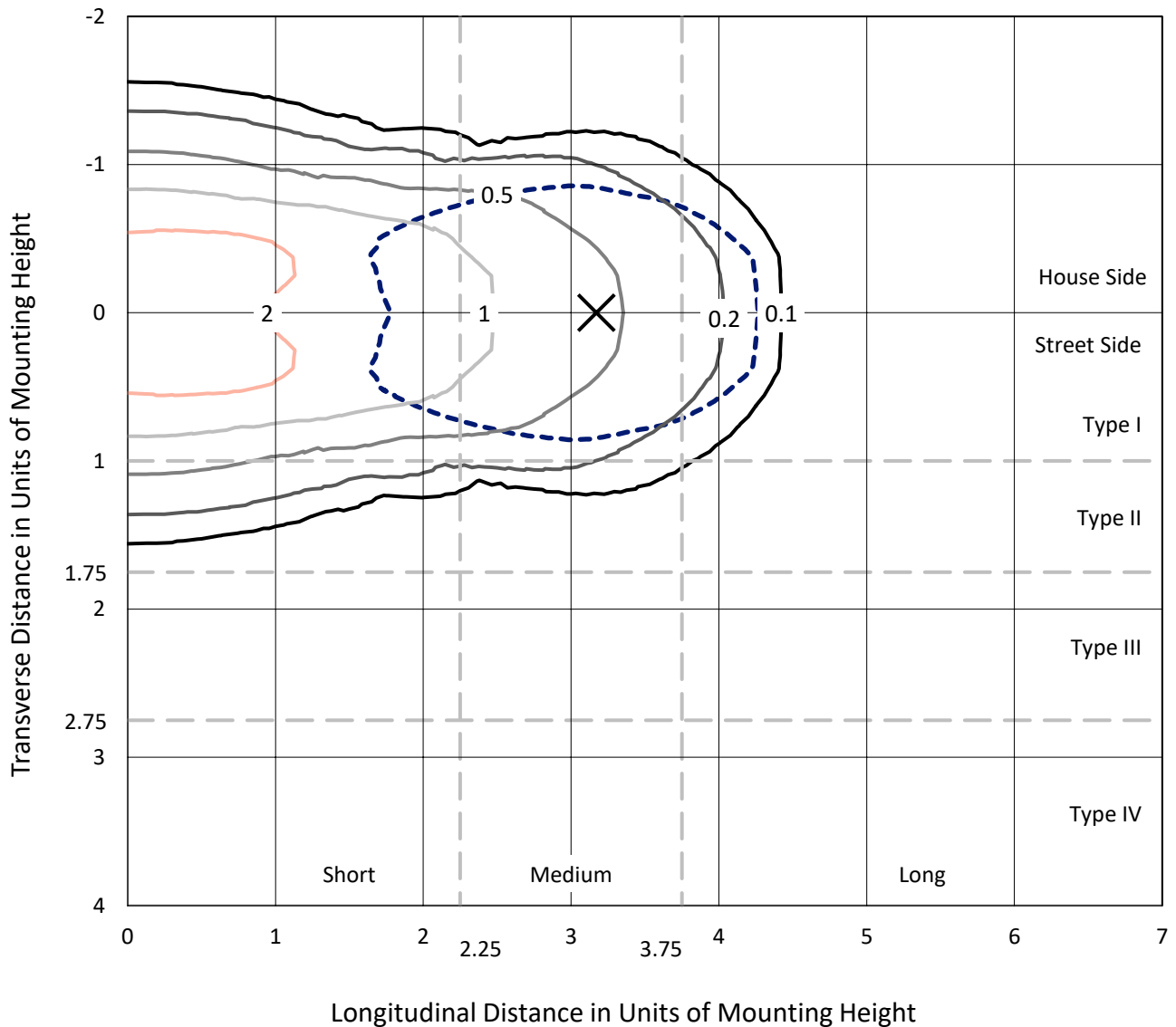
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

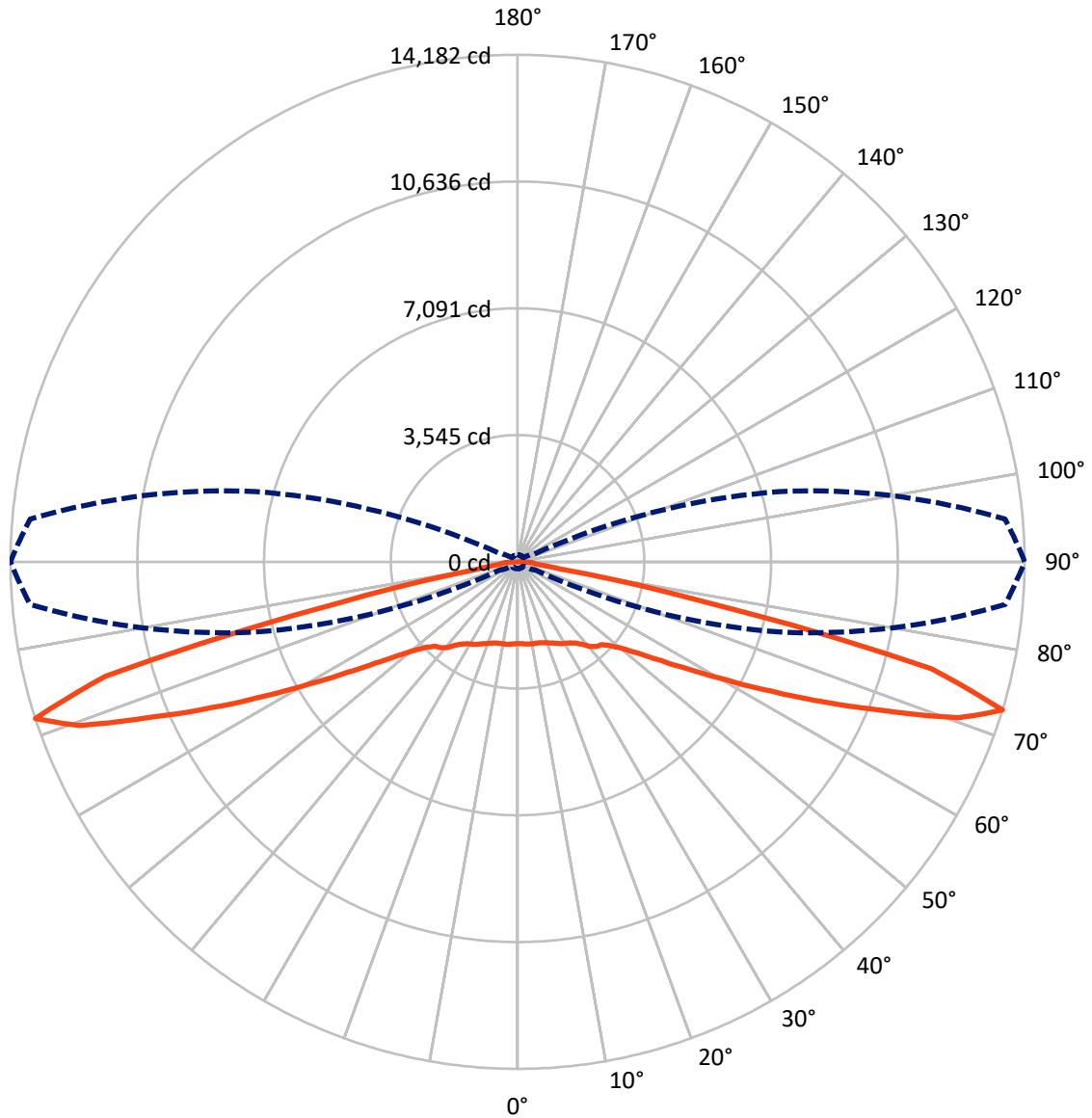
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	6133.5	0.0	6133.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6133.5	0.0	6133.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12267.0	0.0	12267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	1.8
10°-20°	679.6	5.5
20°-30°	1133.1	9.2
30°-40°	1558.4	12.7
40°-50°	1903.2	15.5
50°-60°	2201.3	17.9
60°-70°	2624.7	21.4
70°-80°	1831.9	14.9
80°-90°	112.5	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°	12267.0	100.0
0°-180°	12267.0	100.0

Coefficient of Utilization



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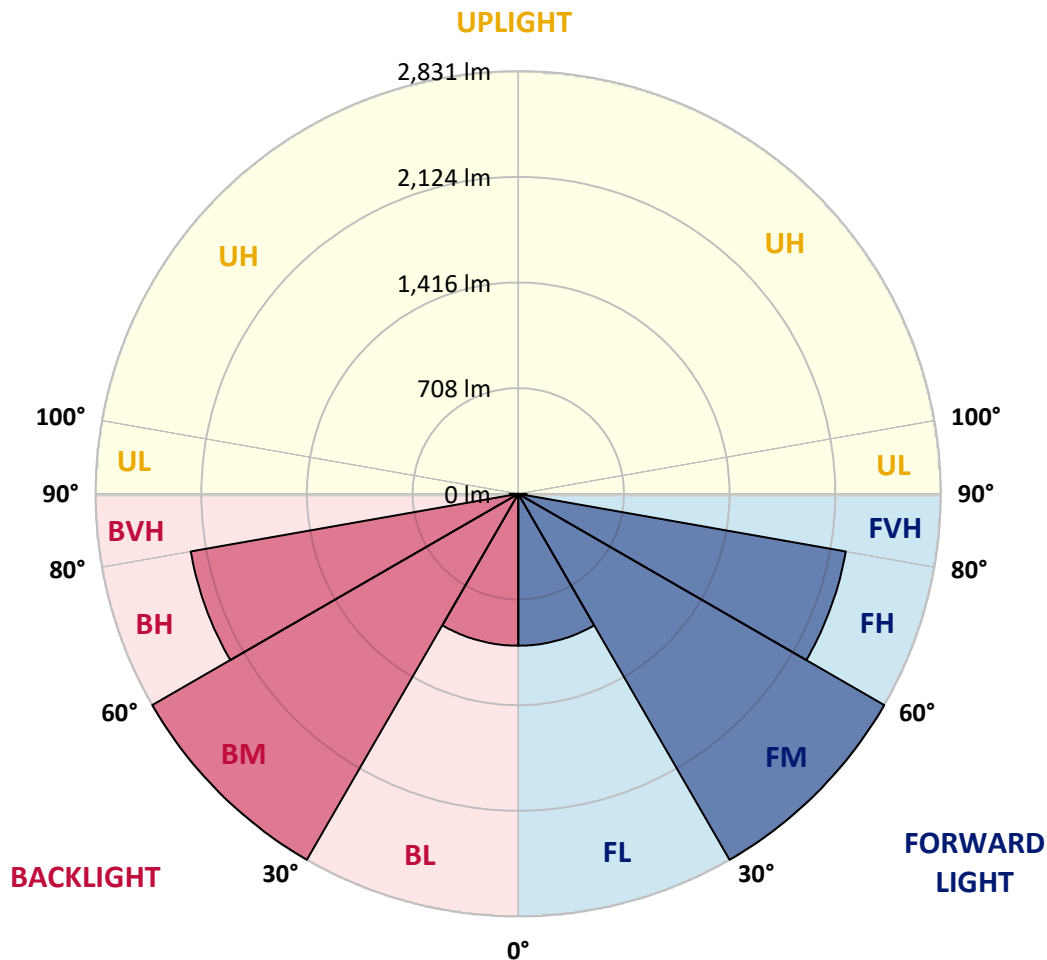
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.5	8.3			
FM (30°-60°)	2831.5	23.1			
FH (60°-80°)	2228.3	18.2			G2/5000
FVH (80°-90°)	56.3	0.5			G1/100
BL (0°-30°)	1017.5	8.3	B3/2500		
BM (30°-60°)	2831.5	23.1	B3/5000		
BH (60°-80°)	2228.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	56.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2292.2	2292.2	2292.2	2292.2	2292.2	2292.2	2292.2	2292.2	2292.2	2292.2
2.5°	2294.2	2296.8	2296.8	2294.8	2299.4	2295.5	2295.5	2293.5	2295.5	2293.5
5°	2305.9	2309.2	2310.5	2309.8	2315.7	2312.4	2312.4	2309.8	2310.5	2308.5
7.5°	2328.1	2332.6	2335.2	2338.5	2347.0	2343.1	2340.5	2332.6	2329.4	2324.2
10°	2335.2	2340.5	2348.9	2365.9	2385.4	2386.1	2378.3	2358.7	2343.7	2332.0
12.5°	2313.1	2320.3	2337.9	2372.4	2416.1	2433.7	2421.3	2388.7	2359.4	2338.5
15°	2285.0	2292.9	2319.6	2371.8	2436.3	2477.4	2476.1	2433.0	2386.1	2353.5
17.5°	2241.4	2249.2	2287.7	2360.7	2451.9	2519.7	2538.0	2493.7	2427.8	2384.1
20°	2162.5	2169.7	2223.1	2325.5	2457.2	2564.7	2612.3	2573.2	2491.1	2431.7
22.5°	2060.1	2071.2	2133.8	2264.8	2444.8	2611.7	2697.1	2670.3	2564.7	2482.6
25°	1950.6	1962.3	2035.4	2190.5	2412.8	2645.6	2797.5	2780.5	2648.2	2545.8
27.5°	1856.1	1868.5	1948.0	2116.8	2363.3	2658.6	2896.6	2905.0	2749.2	2615.6
30°	1781.7	1793.5	1878.2	2057.5	2299.4	2645.6	2983.3	3041.9	2852.2	2676.2
32.5°	1700.3	1715.3	1804.6	1985.2	2223.8	2614.3	3058.9	3189.9	2971.5	2741.4
35°	1597.3	1610.9	1704.8	1886.1	2124.7	2564.1	3122.1	3354.2	3142.3	2840.5
37.5°	1472.1	1485.1	1578.3	1762.2	2026.2	2493.7	3170.4	3539.4	3345.8	2983.3
40°	1346.3	1358.6	1446.0	1624.0	1908.2	2403.7	3187.3	3720.6	3579.1	3179.5
42.5°	1230.9	1241.9	1322.1	1487.7	1775.9	2289.0	3165.2	3878.4	3788.4	3316.4
45°	1124.6	1134.4	1205.4	1359.9	1638.3	2149.4	3098.7	4047.9	4037.5	3414.2
47.5°	1003.3	1013.1	1086.8	1236.1	1500.8	1985.8	2985.9	4214.8	4383.6	3635.9
50°	855.3	863.8	939.4	1093.3	1358.0	1811.7	2829.4	4345.8	4820.4	3971.6
52.5°	680.0	689.1	762.8	916.6	1188.5	1624.6	2623.4	4431.2	5325.0	4461.9
55°	505.9	512.4	576.3	714.5	978.6	1411.4	2365.2	4455.4	5897.4	5132.1
57.5°	367.0	371.0	412.0	515.0	741.9	1144.8	2051.7	4392.8	6578.7	5991.3
60°	297.3	298.6	311.0	356.6	515.7	843.6	1672.9	4177.6	7318.0	7099.0
62.5°	269.9	269.9	273.2	285.5	348.8	556.8	1214.6	3731.7	8110.8	8498.7
65°	251.0	251.0	252.3	258.2	275.1	354.7	766.7	3005.4	8779.0	10138.3
67.5°	234.0	234.7	234.0	236.0	245.8	262.1	444.6	2075.8	9138.9	11837.3
70°	216.4	217.7	214.5	214.5	222.3	223.0	278.4	1138.3	8840.3	13261.1
72.5°	195.6	197.5	192.3	191.0	196.9	194.3	209.3	546.3	7589.9	13686.2
75°	177.3	179.9	168.2	164.9	164.9	163.0	170.2	280.3	4926.1	11164.5
77.5°	161.0	166.2	147.3	136.9	134.3	128.4	138.9	171.5	2154.7	5241.6
80°	133.0	140.2	121.3	108.9	104.3	97.8	109.5	120.0	640.9	1217.2
82.5°	99.1	102.4	86.1	77.6	73.7	69.1	82.1	83.4	208.6	430.9
85°	63.2	64.5	52.8	45.6	43.7	41.7	52.2	45.6	79.5	316.8
87.5°	22.2	25.4	20.2	18.3	19.6	16.3	24.1	13.7	22.2	223.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2292.2
2293.5
2308.5
2324.2
2330.0
2335.2
2348.3
2377.0
2420.7
2467.6
2525.0
2593.4
2644.3
2701.0
2795.5
2923.3
3115.6
3234.3
3303.4
3508.1
3811.2
4264.3
4885.0
5680.3
6707.2
7973.9
9474.6
11120.8
13072.7
14181.6
11941.6
5132.7
1165.7
487.0
460.3
277.1
0.0

OF REPORT)