

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: P847144

Luminaire Tested: **GLAN-SB3A-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847144
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-SB3A-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11024 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

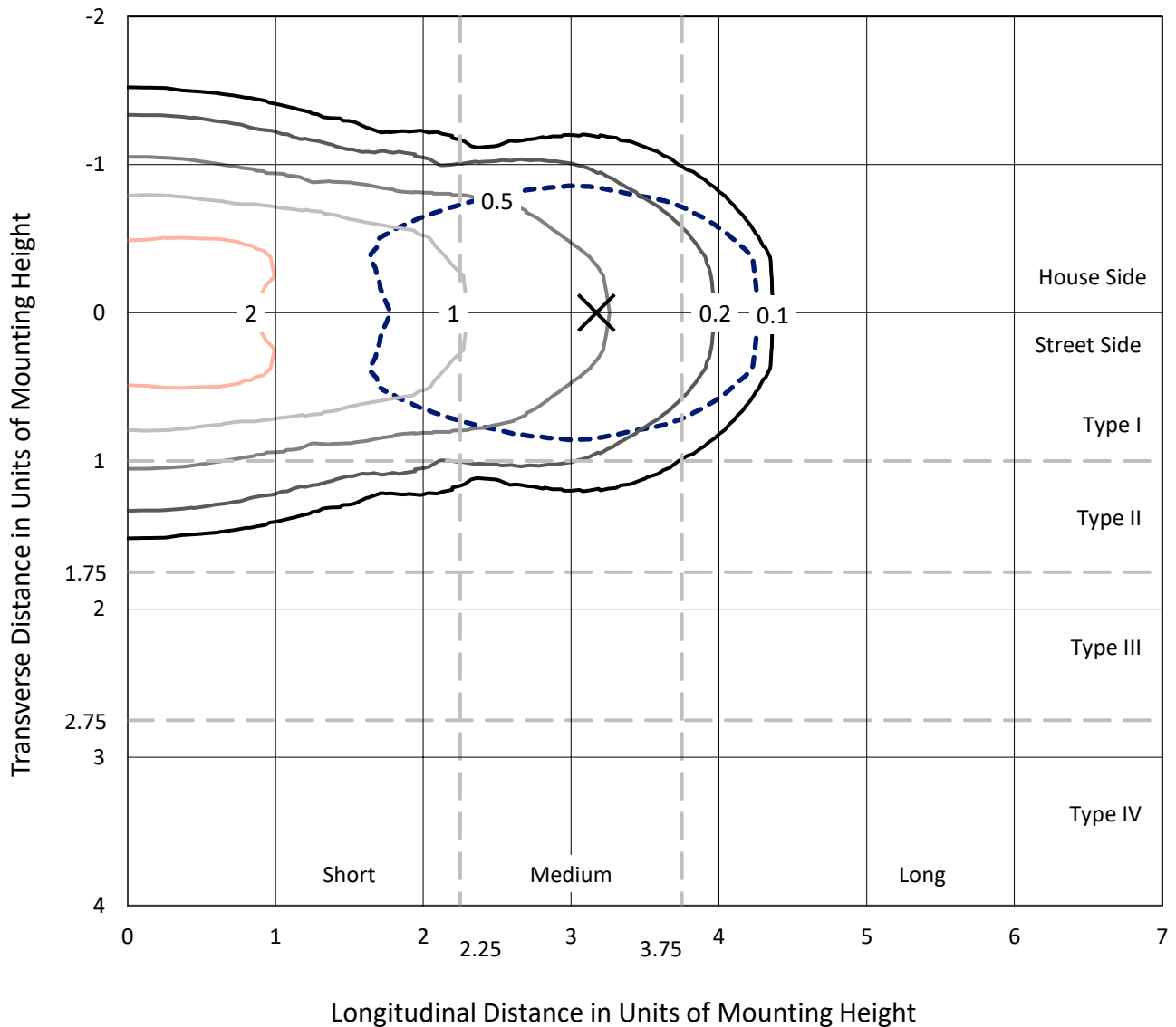
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847144
 CATALOG NUMBER: GLAN-SB3A-835-U-T1

Iso-Footcandle Lines of Horizontal Illumination

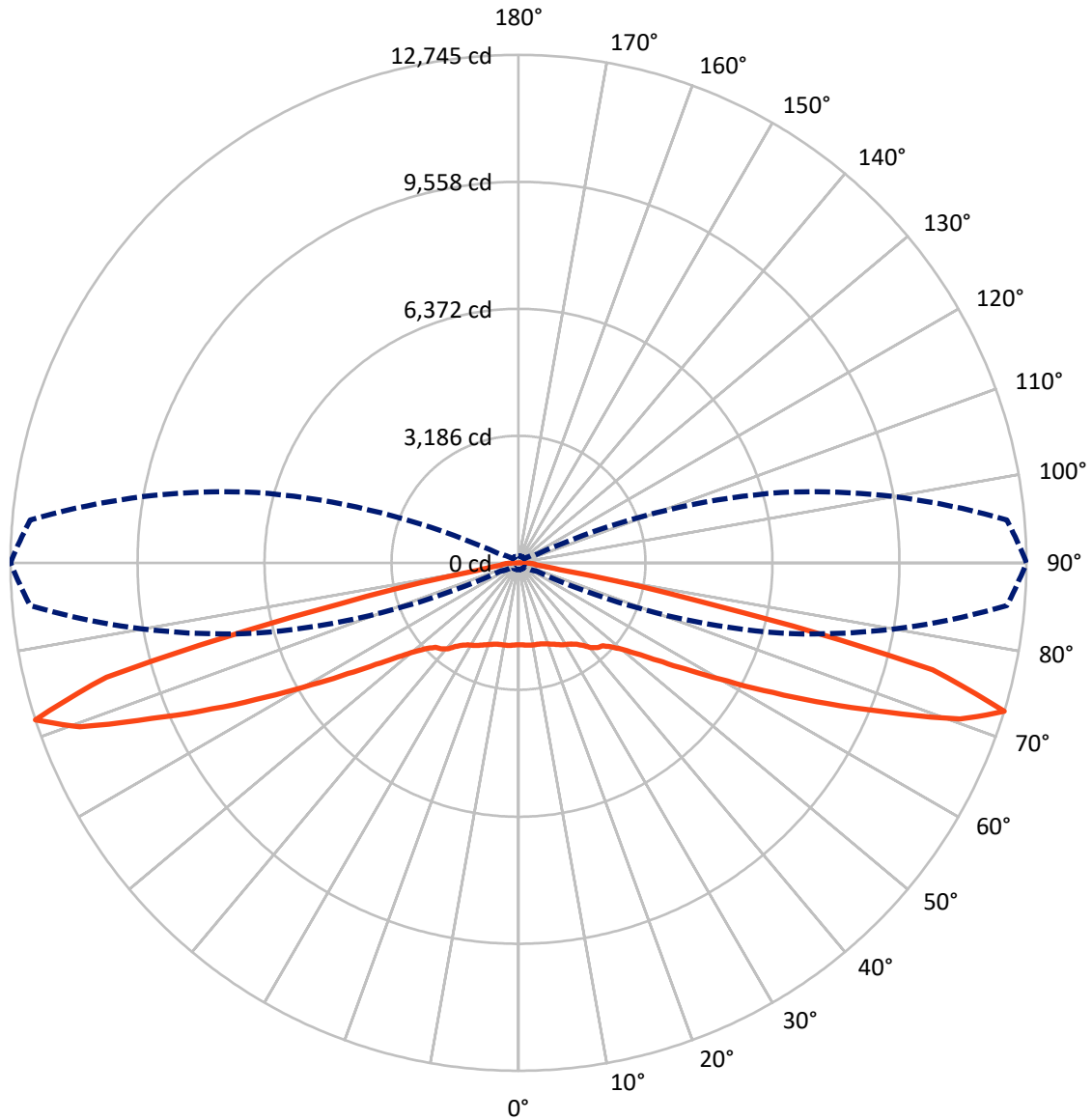
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type I - Short - N/A

REPORT NUMBER: P847144
CATALOG NUMBER: GLAN-SB3A-835-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P847144
 CATALOG NUMBER: GLAN-SB3A-835-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5512.0	0.0	5512.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5512.0	0.0	5512.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11024.0	0.0	11024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	1.8
10°-20°	610.7	5.5
20°-30°	1018.3	9.2
30°-40°	1400.5	12.7
40°-50°	1710.4	15.5
50°-60°	1978.3	17.9
60°-70°	2358.7	21.4
70°-80°	1646.2	14.9
80°-90°	101.1	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°	11024.0	100.0
0°-180°	11024.0	100.0

Coefficient of Utilization

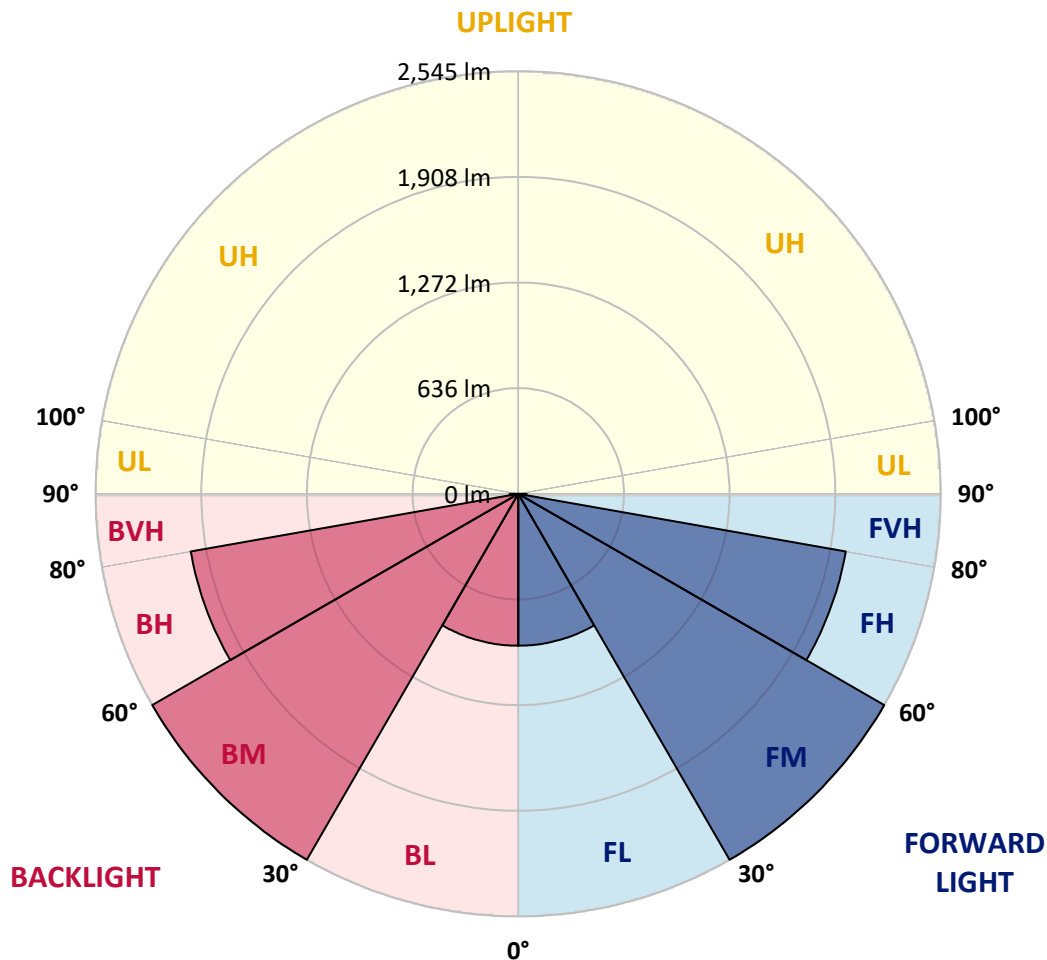


REPORT NUMBER: P847144
 CATALOG NUMBER: GLAN-SB3A-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	914.4	8.3			
FM (30°-60°)	2544.6	23.1			
FH (60°-80°)	2002.5	18.2			G2/5000
FVH (80°-90°)	50.6	0.5			G1/100
BL (0°-30°)	914.4	8.3	B2/1000		
BM (30°-60°)	2544.6	23.1	B3/5000		
BH (60°-80°)	2002.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	50.6	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



REPORT NUMBER: P847144
 CATALOG NUMBER: GLAN-SB3A-835-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2060.0	2060.0	2060.0	2060.0	2060.0	2060.0	2060.0	2060.0	2060.0	2060.0
2.5°	2061.7	2064.1	2064.1	2062.3	2066.4	2062.9	2062.9	2061.1	2062.9	2061.1
5°	2072.3	2075.2	2076.4	2075.8	2081.0	2078.1	2078.1	2075.8	2076.4	2074.6
7.5°	2092.2	2096.3	2098.6	2101.5	2109.2	2105.6	2103.3	2096.3	2093.3	2088.7
10°	2098.6	2103.3	2110.9	2126.2	2143.7	2144.3	2137.3	2119.7	2106.2	2095.7
12.5°	2078.7	2085.1	2101.0	2132.0	2171.3	2187.1	2176.0	2146.7	2120.3	2101.5
15°	2053.5	2060.5	2084.6	2131.4	2189.4	2226.3	2225.2	2186.5	2144.3	2115.0
17.5°	2014.3	2021.3	2055.8	2121.5	2203.5	2264.4	2280.8	2241.0	2181.8	2142.6
20°	1943.4	1949.8	1997.8	2089.8	2208.2	2304.8	2347.6	2312.5	2238.6	2185.3
22.5°	1851.4	1861.3	1917.6	2035.3	2197.0	2347.0	2423.8	2399.8	2304.8	2231.0
25°	1753.0	1763.5	1829.1	1968.6	2168.3	2377.5	2514.0	2498.8	2379.8	2287.9
27.5°	1668.0	1679.1	1750.6	1902.3	2123.8	2389.2	2603.1	2610.7	2470.7	2350.5
30°	1601.2	1611.8	1687.9	1849.0	2066.4	2377.5	2681.0	2733.7	2563.2	2405.0
32.5°	1528.0	1541.4	1621.7	1784.0	1998.4	2349.4	2748.9	2866.7	2670.4	2463.6
35°	1435.4	1447.7	1532.1	1694.9	1909.4	2304.3	2805.8	3014.3	2823.9	2552.7
37.5°	1322.9	1334.6	1418.4	1583.6	1820.9	2241.0	2849.1	3180.7	3006.7	2681.0
40°	1209.8	1221.0	1299.5	1459.4	1714.9	2160.1	2864.4	3343.6	3216.5	2857.3
42.5°	1106.1	1116.1	1188.2	1337.0	1595.9	2057.0	2844.4	3485.4	3404.5	2980.4
45°	1010.6	1019.4	1083.3	1222.1	1472.3	1931.6	2784.7	3637.7	3628.3	3068.2
47.5°	901.7	910.5	976.7	1110.8	1348.7	1784.6	2683.3	3787.7	3939.5	3267.4
50°	768.7	776.3	844.3	982.5	1220.4	1628.2	2542.7	3905.5	4332.0	3569.2
52.5°	611.1	619.3	685.5	823.7	1068.1	1460.0	2357.6	3982.2	4785.5	4009.8
55°	454.6	460.5	517.9	642.1	879.4	1268.4	2125.6	4003.9	5299.9	4612.0
57.5°	329.8	333.4	370.3	462.8	666.7	1028.8	1843.8	3947.7	5912.1	5384.2
60°	267.2	268.3	279.5	320.5	463.4	758.1	1503.4	3754.3	6576.5	6379.6
62.5°	242.6	242.6	245.5	256.6	313.4	500.3	1091.5	3353.6	7288.9	7637.5
65°	225.6	225.6	226.7	232.0	247.2	318.7	689.0	2700.9	7889.4	9111.0
67.5°	210.3	210.9	210.3	212.1	220.9	235.5	399.6	1865.4	8212.9	10637.8
70°	194.5	195.7	192.8	192.8	199.8	200.4	250.2	1022.9	7944.5	11917.4
72.5°	175.8	177.5	172.8	171.7	176.9	174.6	188.1	491.0	6820.8	12299.4
75°	159.4	161.7	151.2	148.2	148.2	146.5	152.9	251.9	4426.9	10033.2
77.5°	144.7	149.4	132.4	123.0	120.7	115.4	124.8	154.1	1936.3	4710.5
80°	119.5	126.0	109.0	97.8	93.7	87.9	98.4	107.8	575.9	1093.8
82.5°	89.1	92.0	77.3	69.7	66.2	62.1	73.8	75.0	187.5	387.3
85°	56.8	58.0	47.5	41.0	39.3	37.5	46.9	41.0	71.5	284.7
87.5°	19.9	22.8	18.2	16.4	17.6	14.6	21.7	12.3	19.9	201.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2060.0
2061.1
2074.6
2088.7
2093.9
2098.6
2110.3
2136.1
2175.4
2217.6
2269.1
2330.6
2376.3
2427.3
2512.2
2627.1
2799.9
2906.5
2968.6
3152.6
3425.0
3832.2
4390.0
5104.8
6027.5
7165.9
8514.6
9993.9
11748.0
12744.6
10731.5
4612.6
1047.6
437.7
413.6
249.0
0.0

OF REPORT)