

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: P849181

Luminaire Tested: **GLAN-SB6A-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22782 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

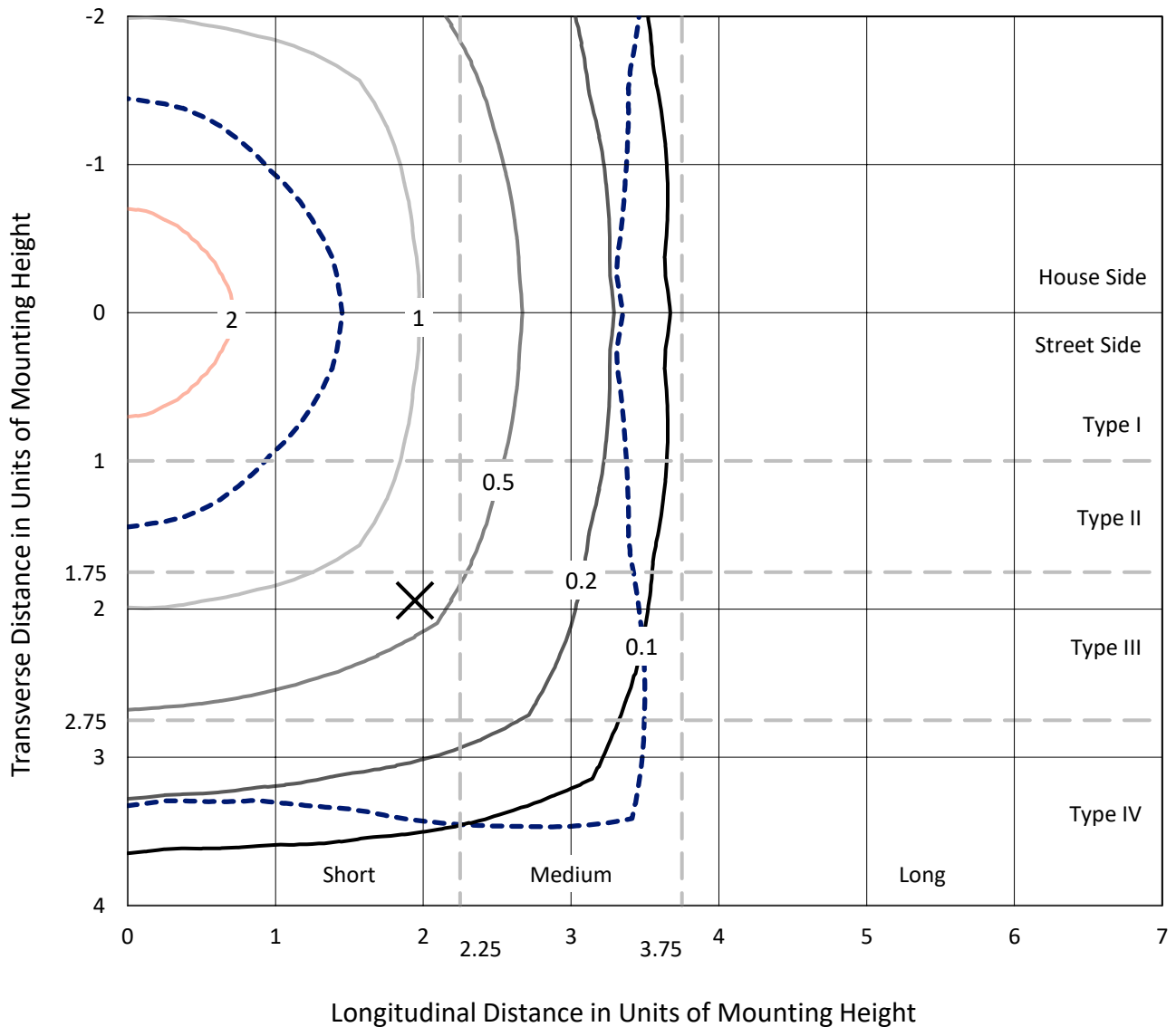
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

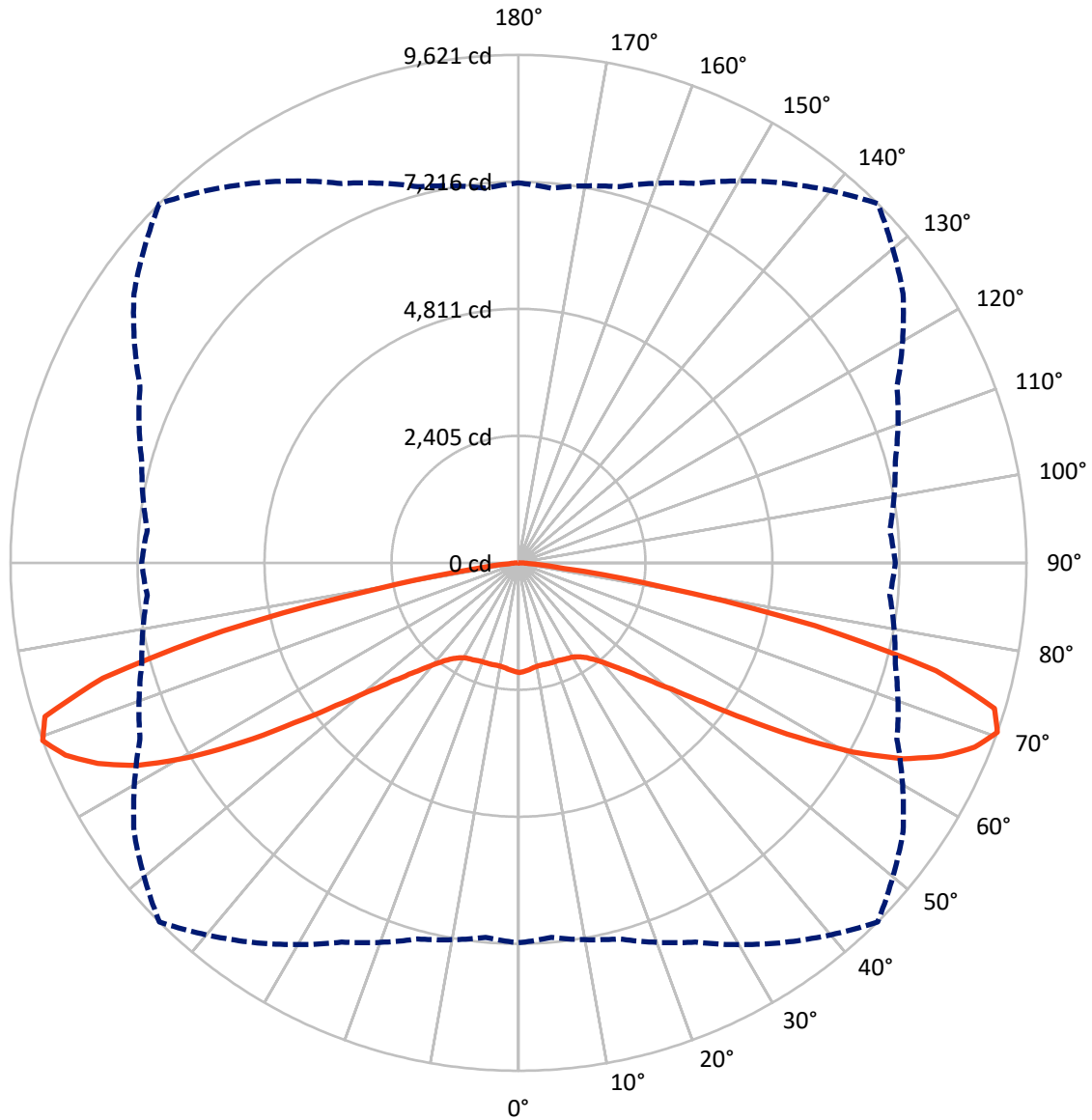
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11391.0	0.0	11391.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11391.0	0.0	11391.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22782.0	0.0	22782.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.3	0.8
10°-20°	567.6	2.5
20°-30°	944.6	4.1
30°-40°	1428.6	6.3
40°-50°	2373.9	10.4
50°-60°	4479.5	19.7
60°-70°	7563.8	33.2
70°-80°	4970.2	21.8
80°-90°	260.4	1.1
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°	22782.0	100.0
0°-180°	22782.0	100.0

**Coefficient of Utilization**



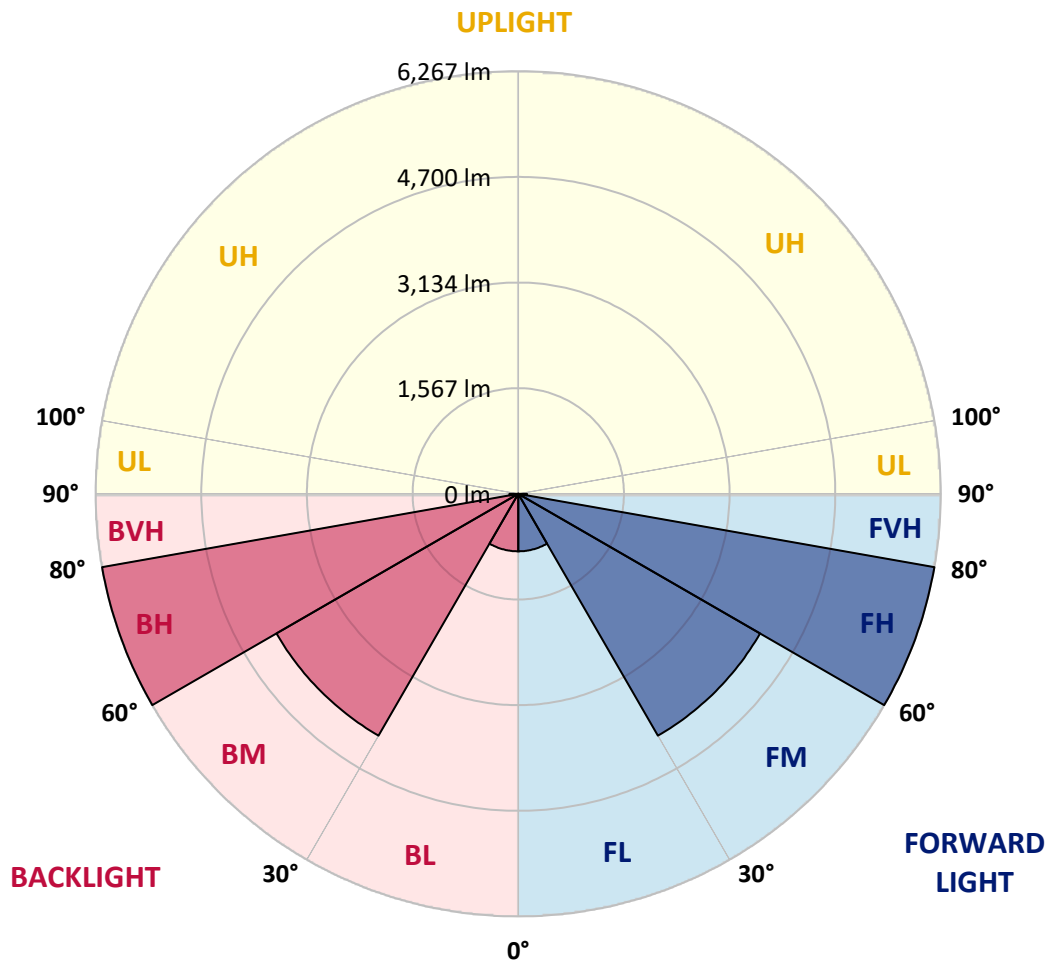
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.8	3.7			
FM (30°-60°)	4141.0	18.2			
FH (60°-80°)	6267.0	27.5			G3/7500
FVH (80°-90°)	130.2	0.6			G2/225
BL (0°-30°)	852.8	3.7	B2/1000		
BM (30°-60°)	4141.0	18.2	B3/5000		
BH (60°-80°)	6267.0	27.5	B5		G3/7500
BVH (80°-90°)	130.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2078.2	2078.2	2078.2	2078.2	2078.2	2078.2	2078.2	2078.2	2078.2	2078.2
2.5°	2065.2	2071.1	2068.7	2064.0	2064.0	2060.4	2064.0	2066.3	2069.9	2072.3
5°	2037.9	2042.7	2041.5	2037.9	2039.1	2035.5	2037.9	2041.5	2043.8	2045.0
7.5°	2014.2	2019.0	2016.6	2010.7	2010.7	2007.1	2008.3	2011.9	2015.4	2016.6
10°	2008.3	2013.0	2005.9	1996.5	1992.9	1988.2	1989.4	1992.9	2000.0	2003.6
12.5°	2010.7	2014.2	2007.1	1992.9	1989.4	1984.6	1984.6	1988.2	1997.7	2002.4
15°	2017.8	2021.3	2010.7	1995.3	1991.7	1988.2	1987.0	1991.7	2002.4	2010.7
17.5°	2030.8	2034.4	2017.8	1996.5	1991.7	1992.9	1991.7	1995.3	2011.9	2027.3
20°	2042.7	2045.0	2022.5	1996.5	1991.7	1992.9	1991.7	1998.8	2020.2	2041.5
22.5°	2046.2	2048.6	2027.3	2004.8	2001.2	2002.4	2001.2	2008.3	2028.4	2049.8
25°	2047.4	2050.9	2034.4	2016.6	2022.5	2024.9	2022.5	2023.7	2039.1	2058.0
27.5°	2065.2	2069.9	2054.5	2039.1	2042.7	2041.5	2045.0	2048.6	2060.4	2079.4
30°	2101.9	2105.4	2092.4	2077.0	2074.6	2066.3	2077.0	2088.8	2101.9	2118.4
32.5°	2162.3	2169.4	2152.8	2136.2	2125.5	2120.8	2129.1	2149.2	2167.0	2184.8
35°	2262.9	2267.6	2252.2	2221.5	2202.5	2202.5	2209.6	2235.7	2264.1	2286.6
37.5°	2405.0	2410.9	2383.7	2347.0	2318.6	2318.6	2328.0	2355.3	2397.9	2429.9
40°	2577.9	2586.2	2551.8	2513.9	2486.7	2482.0	2493.8	2524.6	2564.9	2605.1
42.5°	2786.3	2795.8	2750.8	2717.6	2696.3	2696.3	2702.2	2730.6	2767.4	2817.1
45°	3052.7	3069.3	3007.7	2974.6	2954.4	2959.2	2962.7	2987.6	3020.8	3077.6
47.5°	3370.1	3386.7	3321.5	3287.2	3283.6	3306.1	3291.9	3309.7	3327.5	3392.6
50°	3730.1	3758.5	3713.5	3711.1	3718.2	3759.7	3726.5	3736.0	3715.9	3757.3
52.5°	4170.6	4212.0	4203.7	4217.9	4297.3	4382.5	4306.7	4273.6	4197.8	4210.8
55°	4704.6	4767.4	4779.2	4864.5	5044.5	5218.5	5057.5	4923.7	4762.6	4733.0
57.5°	5312.1	5361.8	5418.7	5592.7	5929.0	6238.1	5929.0	5633.0	5379.6	5319.2
60°	5965.7	6027.3	6081.8	6338.7	6838.4	7273.0	6829.0	6358.9	6023.8	5942.0
62.5°	6667.9	6747.3	6785.2	7070.5	7653.1	8171.8	7661.4	7091.9	6720.0	6632.4
65°	7341.7	7406.8	7449.5	7753.8	8310.3	8830.2	8348.2	7786.9	7404.5	7289.6
67.5°	7655.5	7691.0	7795.2	8139.8	8727.2	9320.4	8826.6	8176.5	7749.1	7547.7
70°	7196.1	7123.8	7374.9	7926.7	8776.9	9621.2	8890.6	7910.1	7386.7	7059.9
72.5°	5560.8	5436.4	5872.2	6815.9	8208.5	9429.4	8265.3	6869.2	6143.4	5480.2
75°	3025.5	2884.6	3486.1	4679.7	6546.0	8173.0	6696.3	4813.6	3881.6	3003.0
77.5°	853.8	800.5	1286.0	2264.1	3937.3	5738.4	4088.9	2313.8	1525.2	904.7
80°	261.7	253.4	343.4	682.1	1672.0	2748.4	1606.9	690.4	437.0	275.9
82.5°	155.1	142.1	170.5	248.7	426.3	863.2	414.5	259.3	208.4	139.7
85°	88.8	82.9	100.7	120.8	143.3	183.5	119.6	123.2	111.3	74.6
87.5°	36.7	33.2	39.1	37.9	33.2	42.6	32.0	37.9	45.0	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2078.2
2071.1
2045.0
2016.6
2003.6
2003.6
2011.9
2027.3
2042.7
2049.8
2056.9
2074.6
2114.9
2177.6
2278.3
2418.0
2592.1
2813.5
3075.2
3373.6
3732.4
4167.0
4686.9
5276.6
5871.0
6561.4
7232.8
7550.1
7138.0
5644.8
3198.4
1005.3
291.3
151.6
78.2
27.2
0.0

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