

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: P849381

Luminaire Tested: **GLAN-SB6B-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849381  
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-SB6B-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22243 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

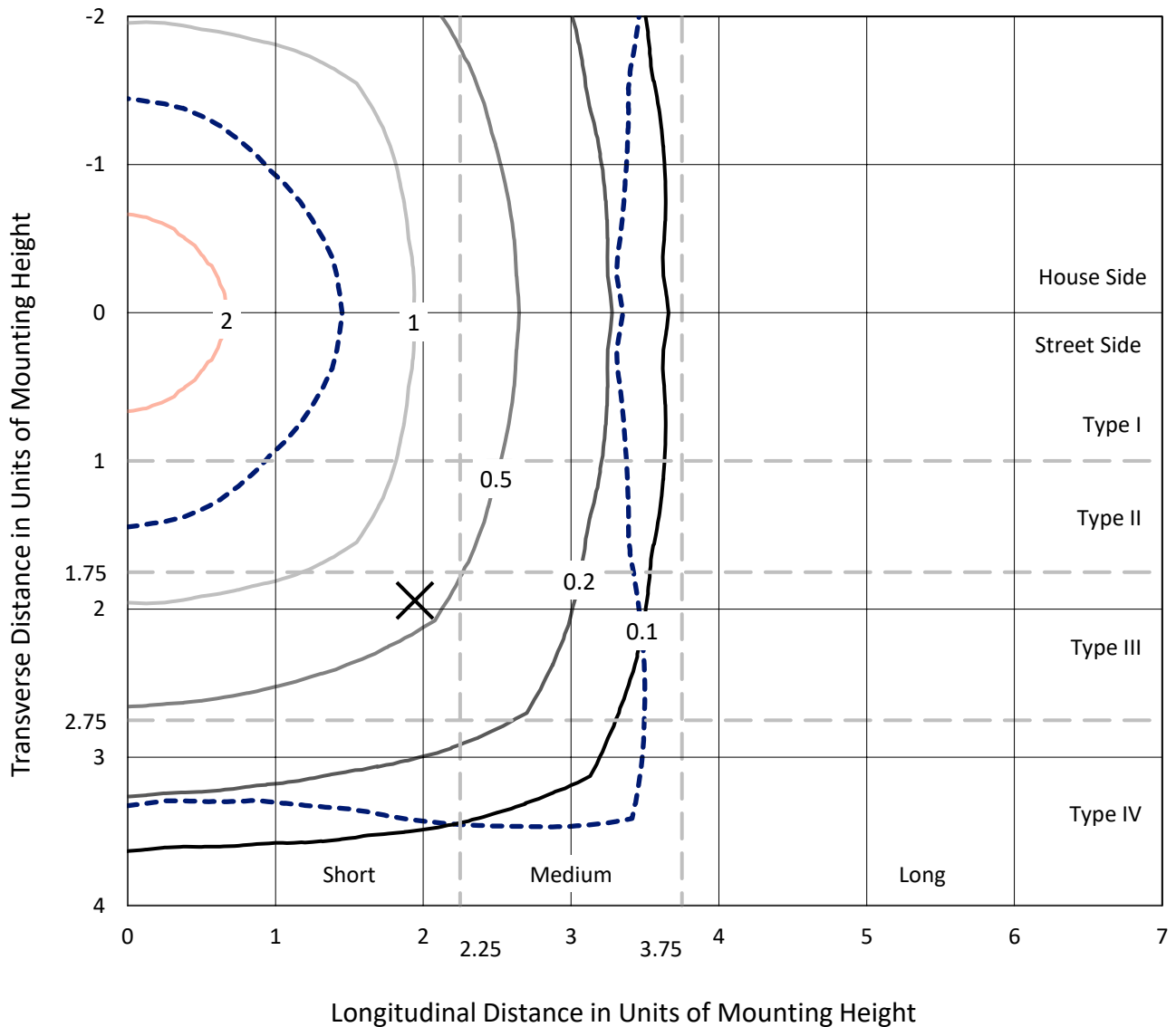
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

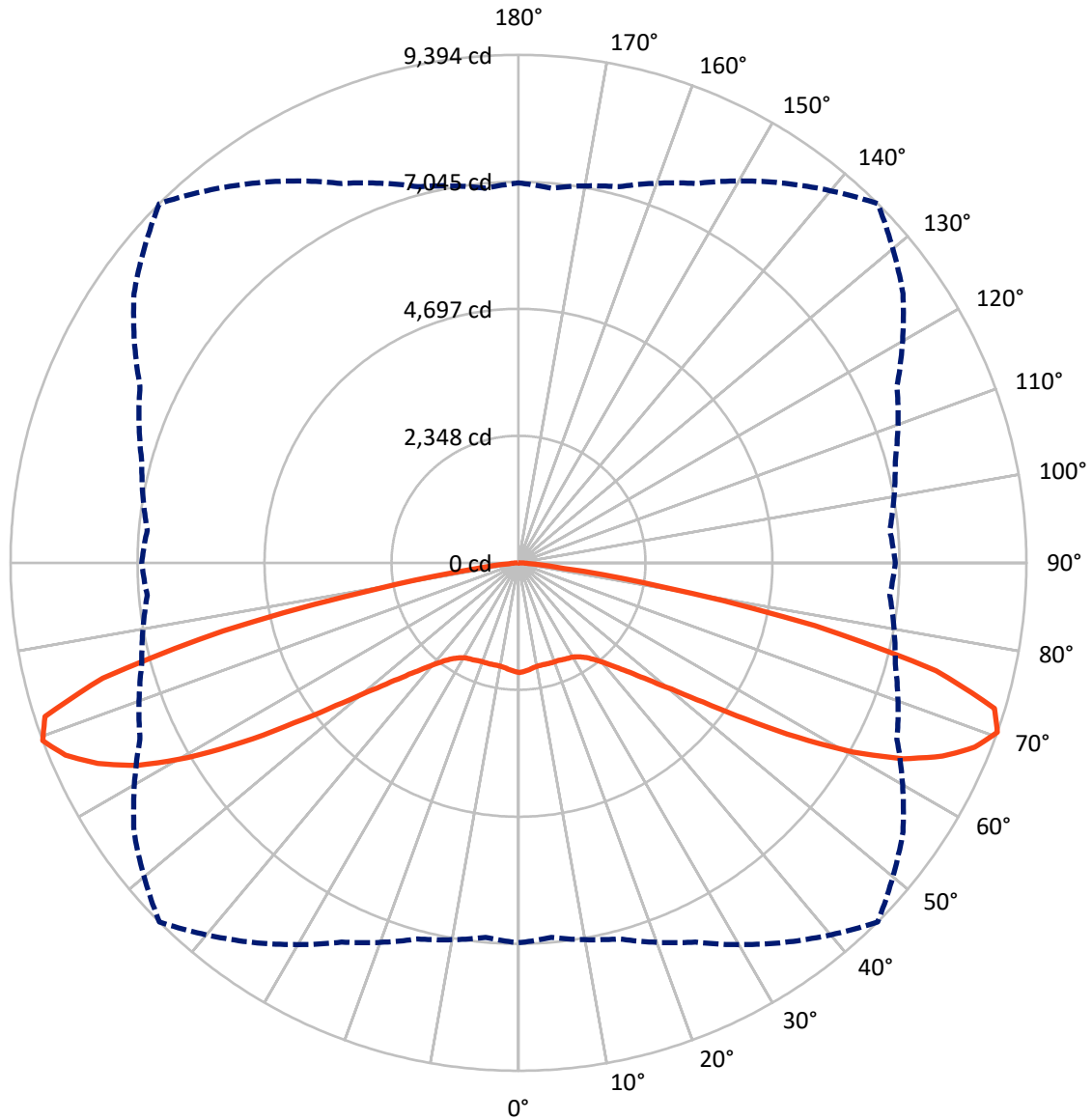
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	11121.5	0.0	11121.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11121.5	0.0	11121.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22243.0	0.0	22243.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.7	0.8
10°-20°	554.2	2.5
20°-30°	922.3	4.1
30°-40°	1394.8	6.3
40°-50°	2317.8	10.4
50°-60°	4373.5	19.7
60°-70°	7384.9	33.2
70°-80°	4852.6	21.8
80°-90°	254.2	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°	22243.0	100.0
0°-180°	22243.0	100.0

**Coefficient of Utilization**



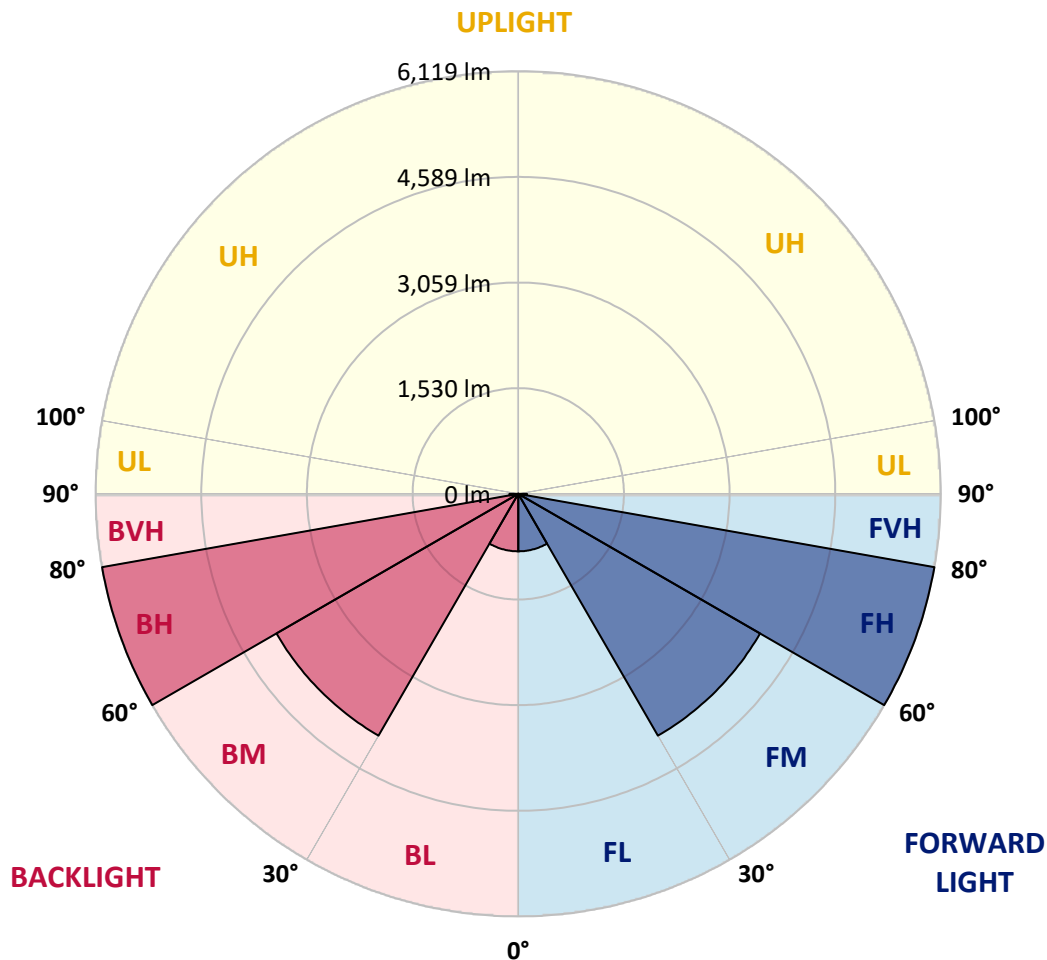
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	832.6	3.7			
FM (30°-60°)	4043.0	18.2			
FH (60°-80°)	6118.8	27.5			G3/7500
FVH (80°-90°)	127.1	0.6			G2/225
BL (0°-30°)	832.6	3.7	B2/1000		
BM (30°-60°)	4043.0	18.2	B3/5000		
BH (60°-80°)	6118.8	27.5	B5		G3/7500
BVH (80°-90°)	127.1	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°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
2.5°	2016.3	2022.1	2019.8	2015.1	2015.1	2011.7	2015.1	2017.4	2020.9	2023.2
5°	1989.7	1994.3	1993.2	1989.7	1990.9	1987.4	1989.7	1993.2	1995.5	1996.6
7.5°	1966.6	1971.2	1968.9	1963.1	1963.1	1959.6	1960.8	1964.3	1967.7	1968.9
10°	1960.8	1965.4	1958.5	1949.2	1945.8	1941.1	1942.3	1945.8	1952.7	1956.2
12.5°	1963.1	1966.6	1959.6	1945.8	1942.3	1937.7	1937.7	1941.1	1950.4	1955.0
15°	1970.0	1973.5	1963.1	1948.1	1944.6	1941.1	1940.0	1944.6	1955.0	1963.1
17.5°	1982.8	1986.2	1970.0	1949.2	1944.6	1945.8	1944.6	1948.1	1964.3	1979.3
20°	1994.3	1996.6	1974.7	1949.2	1944.6	1945.8	1944.6	1951.5	1972.4	1993.2
22.5°	1997.8	2000.1	1979.3	1957.3	1953.9	1955.0	1953.9	1960.8	1980.5	2001.3
25°	1999.0	2002.4	1986.2	1968.9	1974.7	1977.0	1974.7	1975.8	1990.9	2009.4
27.5°	2016.3	2020.9	2005.9	1990.9	1994.3	1993.2	1996.6	2000.1	2011.7	2030.2
30°	2052.1	2055.6	2042.9	2027.9	2025.5	2017.4	2027.9	2039.4	2052.1	2068.3
32.5°	2111.1	2118.0	2101.8	2085.7	2075.3	2070.6	2078.7	2098.4	2115.7	2133.1
35°	2209.4	2214.0	2199.0	2168.9	2150.4	2150.4	2157.3	2182.8	2210.5	2232.5
37.5°	2348.1	2353.9	2327.3	2291.5	2263.7	2263.7	2273.0	2299.5	2341.2	2372.4
40°	2516.9	2525.0	2491.5	2454.5	2427.9	2423.3	2434.8	2464.9	2504.2	2543.5
42.5°	2720.4	2729.6	2685.7	2653.3	2632.5	2632.5	2638.3	2666.0	2701.9	2750.4
45°	2980.5	2996.7	2936.6	2904.2	2884.5	2889.2	2892.6	2916.9	2949.3	3004.8
47.5°	3290.3	3306.5	3242.9	3209.4	3206.0	3227.9	3214.0	3231.4	3248.7	3312.3
50°	3641.8	3669.6	3625.6	3623.3	3630.3	3670.7	3638.3	3647.6	3627.9	3668.4
52.5°	4071.9	4112.4	4104.3	4118.1	4195.6	4278.8	4204.8	4172.5	4098.5	4111.2
55°	4593.3	4654.6	4666.1	4749.4	4925.1	5095.1	4937.8	4807.2	4650.0	4621.1
57.5°	5186.4	5235.0	5290.5	5460.4	5788.7	6090.5	5788.7	5499.7	5252.3	5193.3
60°	5824.6	5884.7	5937.9	6188.8	6676.7	7101.0	6667.4	6208.4	5881.2	5801.5
62.5°	6510.2	6587.6	6624.6	6903.3	7472.1	7978.5	7480.2	6924.1	6561.0	6475.5
65°	7168.0	7231.6	7273.2	7570.3	8113.7	8621.3	8150.7	7602.7	7229.3	7117.1
67.5°	7474.4	7509.1	7610.8	7947.2	8520.7	9099.9	8617.8	7983.1	7565.7	7369.2
70°	7025.8	6955.3	7200.4	7739.1	8569.2	9393.6	8680.2	7723.0	7211.9	6892.9
72.5°	5429.2	5307.8	5733.3	6654.7	8014.3	9206.3	8069.8	6706.7	5998.0	5350.6
75°	2953.9	2816.3	3403.6	4569.0	6391.1	7979.6	6537.9	4699.7	3789.8	2931.9
77.5°	833.6	781.5	1255.6	2210.5	3844.1	5602.6	3992.1	2259.1	1489.1	883.3
80°	255.5	247.4	335.3	665.9	1632.5	2683.4	1568.9	674.0	426.6	269.4
82.5°	151.5	138.7	166.5	242.8	416.2	842.8	404.6	253.2	203.5	136.4
85°	86.7	80.9	98.3	117.9	139.9	179.2	116.8	120.2	108.7	72.8
87.5°	35.8	32.4	38.2	37.0	32.4	41.6	31.2	37.0	43.9	28.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2029.0
2022.1
1996.6
1968.9
1956.2
1956.2
1964.3
1979.3
1994.3
2001.3
2008.2
2025.5
2064.8
2126.1
2224.4
2360.8
2530.8
2747.0
3002.5
3293.8
3644.1
4068.4
4576.0
5151.7
5732.1
6406.1
7061.6
7371.5
6969.2
5511.3
3122.7
981.6
284.4
148.0
76.3
26.6
0.0

OF REPORT)