

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: P849161

Luminaire Tested: **GLAN-SB6A-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849161  
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-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21938 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

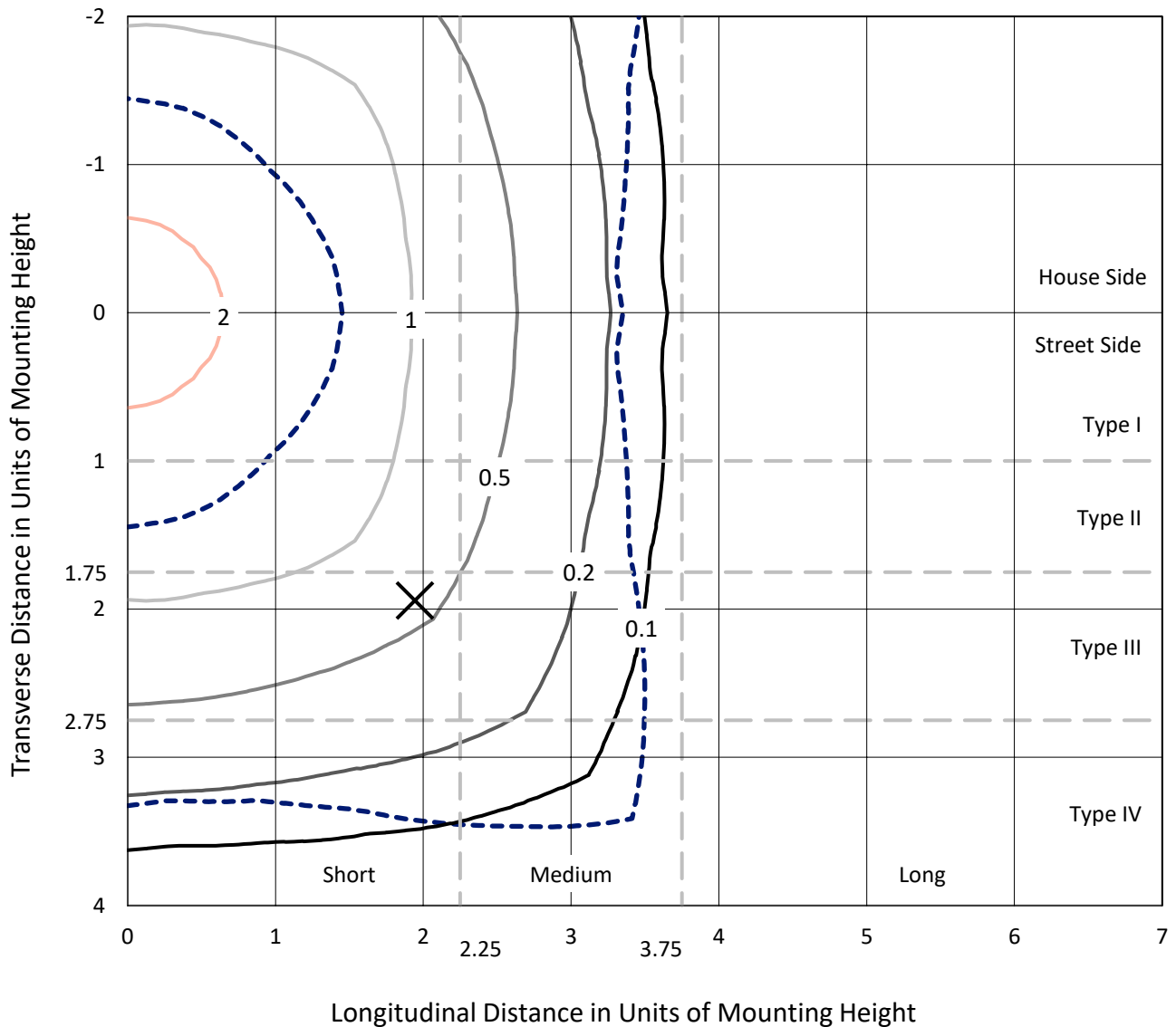
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

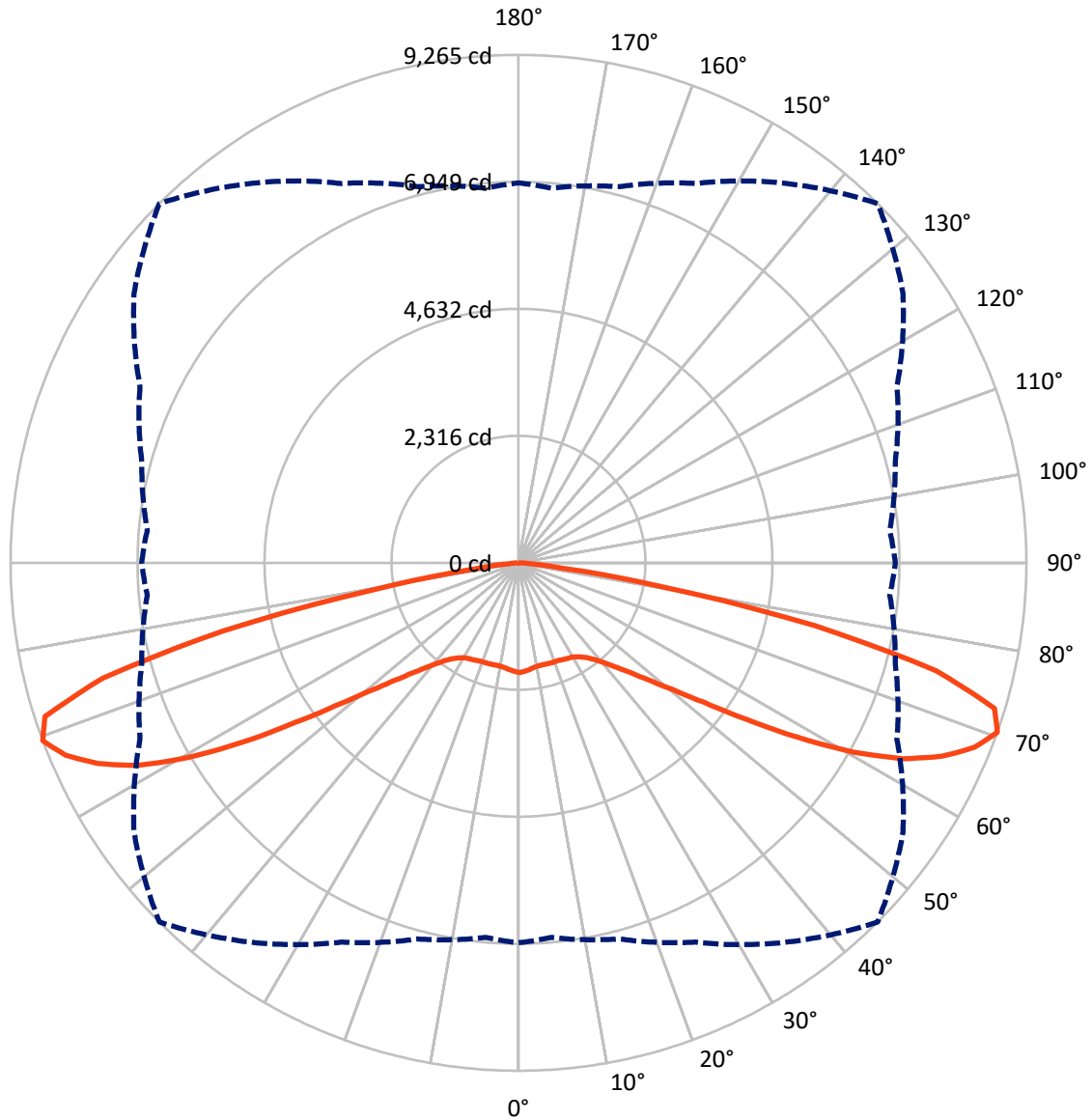
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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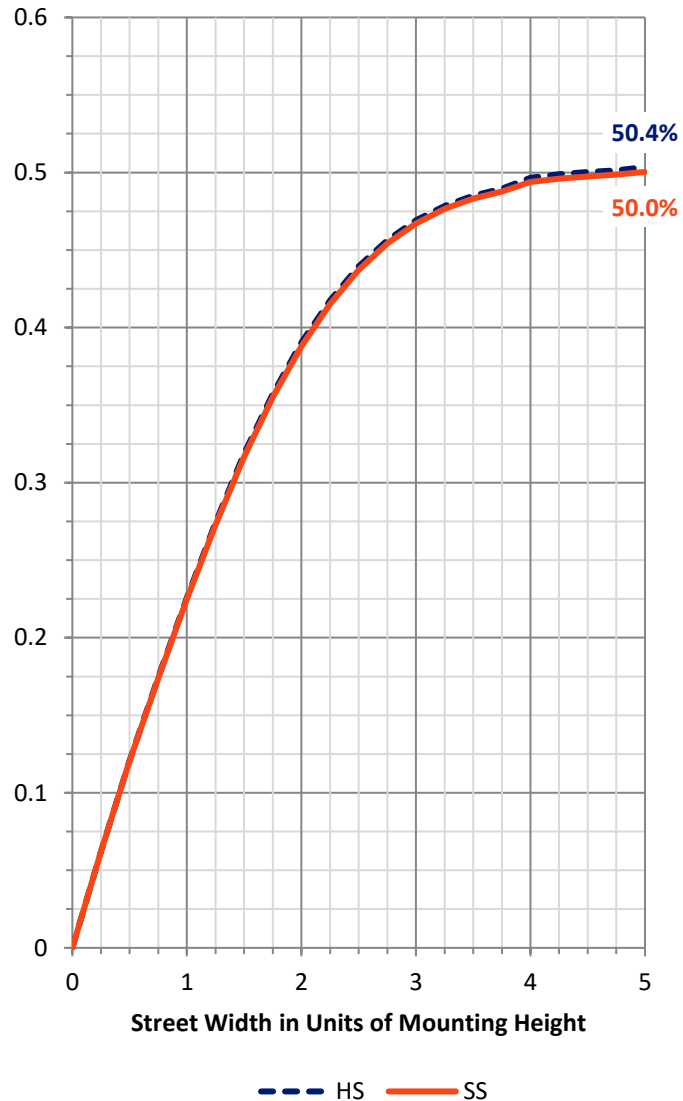
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10969.0	0.0	10969.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10969.0	0.0	10969.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21938.0	0.0	21938.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.2	0.8
10°-20°	546.6	2.5
20°-30°	909.6	4.1
30°-40°	1375.6	6.3
40°-50°	2286.0	10.4
50°-60°	4313.6	19.7
60°-70°	7283.6	33.2
70°-80°	4786.1	21.8
80°-90°	250.7	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°	21938.0	100.0
0°-180°	21938.0	100.0

**Coefficient of Utilization**



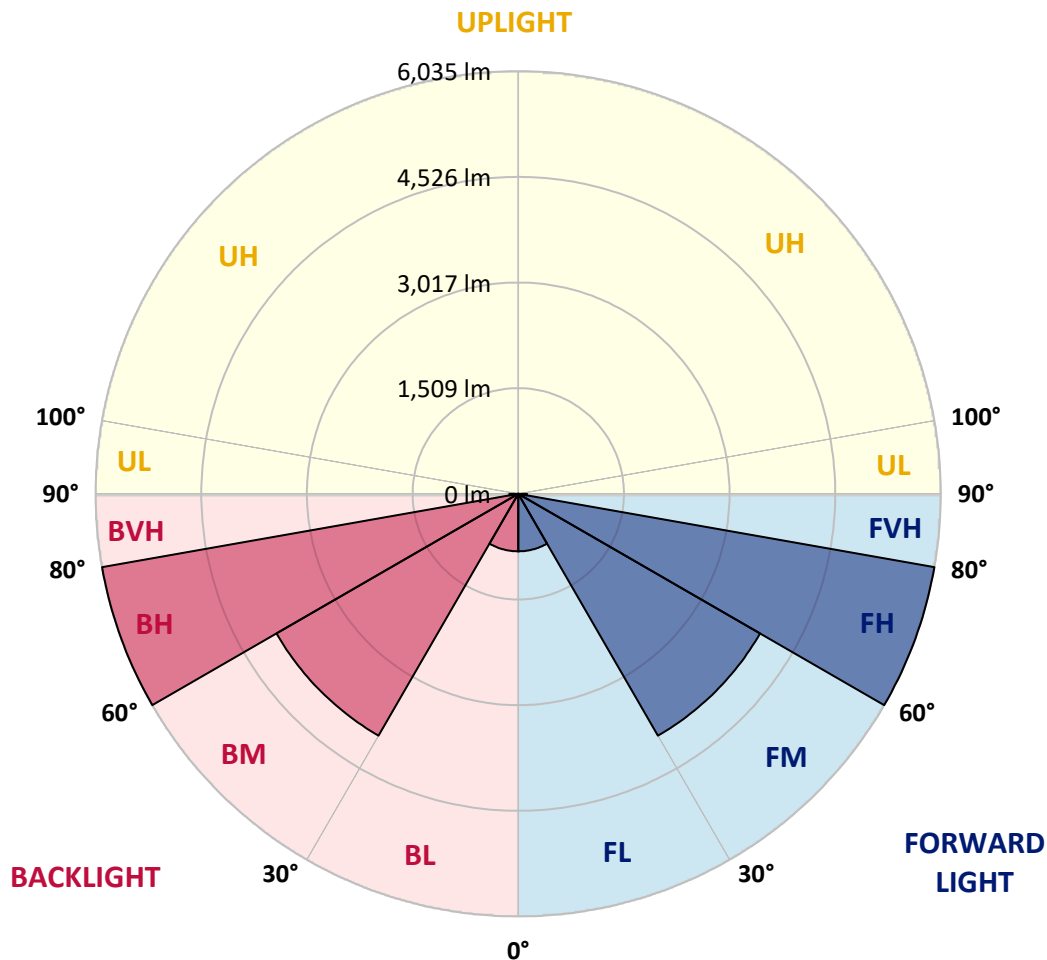
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.2	3.7			
FM (30°-60°)	3987.6	18.2			
FH (60°-80°)	6034.9	27.5			G3/7500
FVH (80°-90°)	125.4	0.6			G2/225
BL (0°-30°)	821.2	3.7	B2/1000		
BM (30°-60°)	3987.6	18.2	B3/5000		
BH (60°-80°)	6034.9	27.5	B5		G3/7500
BVH (80°-90°)	125.4	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°	2001.2	2001.2	2001.2	2001.2	2001.2	2001.2	2001.2	2001.2	2001.2	2001.2
2.5°	1988.6	1994.3	1992.1	1987.5	1987.5	1984.1	1987.5	1989.8	1993.2	1995.5
5°	1962.4	1967.0	1965.8	1962.4	1963.6	1960.1	1962.4	1965.8	1968.1	1969.3
7.5°	1939.6	1944.2	1941.9	1936.2	1936.2	1932.8	1933.9	1937.3	1940.8	1941.9
10°	1933.9	1938.5	1931.6	1922.5	1919.1	1914.5	1915.7	1919.1	1925.9	1929.3
12.5°	1936.2	1939.6	1932.8	1919.1	1915.7	1911.1	1911.1	1914.5	1923.6	1928.2
15°	1943.0	1946.5	1936.2	1921.4	1917.9	1914.5	1913.4	1917.9	1928.2	1936.2
17.5°	1955.6	1959.0	1943.0	1922.5	1917.9	1919.1	1917.9	1921.4	1937.3	1952.2
20°	1967.0	1969.3	1947.6	1922.5	1917.9	1919.1	1917.9	1924.8	1945.3	1965.8
22.5°	1970.4	1972.7	1952.2	1930.5	1927.1	1928.2	1927.1	1933.9	1953.3	1973.8
25°	1971.5	1975.0	1959.0	1941.9	1947.6	1949.9	1947.6	1948.7	1963.6	1981.8
27.5°	1988.6	1993.2	1978.4	1963.6	1967.0	1965.8	1969.3	1972.7	1984.1	2002.3
30°	2024.0	2027.4	2014.9	2000.0	1997.8	1989.8	2000.0	2011.4	2024.0	2040.0
32.5°	2082.1	2089.0	2073.0	2057.1	2046.8	2042.2	2050.2	2069.6	2086.7	2103.8
35°	2179.1	2183.6	2168.8	2139.2	2120.9	2120.9	2127.8	2152.8	2180.2	2201.9
37.5°	2315.9	2321.6	2295.4	2260.0	2232.7	2232.7	2241.8	2268.0	2309.1	2339.8
40°	2482.4	2490.4	2457.3	2420.8	2394.6	2390.0	2401.4	2431.1	2469.8	2508.6
42.5°	2683.1	2692.2	2648.9	2616.9	2596.4	2596.4	2602.1	2629.5	2664.8	2712.7
45°	2939.6	2955.6	2896.3	2864.4	2845.0	2849.6	2853.0	2876.9	2908.8	2963.6
47.5°	3245.2	3261.2	3198.5	3165.4	3162.0	3183.7	3170.0	3187.1	3204.2	3266.9
50°	3591.9	3619.2	3575.9	3573.6	3580.5	3620.4	3588.5	3597.6	3578.2	3618.1
52.5°	4016.1	4056.0	4048.0	4061.7	4138.1	4220.2	4147.2	4115.3	4042.3	4054.8
55°	4530.3	4590.8	4602.2	4684.3	4857.6	5025.2	4870.1	4741.3	4586.2	4557.7
57.5°	5115.3	5163.2	5217.9	5385.5	5709.4	6007.0	5709.4	5424.3	5180.3	5122.1
60°	5744.7	5804.0	5856.5	6103.9	6585.1	7003.6	6576.0	6123.3	5800.6	5721.9
62.5°	6420.9	6497.3	6533.8	6808.6	7369.6	7869.1	7377.6	6829.1	6471.1	6386.7
65°	7069.7	7132.4	7173.5	7466.5	8002.5	8503.1	8039.0	7498.5	7130.2	7019.5
67.5°	7371.9	7406.1	7506.4	7838.3	8403.8	8975.1	8499.6	7873.6	7462.0	7268.1
70°	6929.5	6859.9	7101.6	7633.0	8451.7	9264.8	8561.2	7617.1	7113.1	6798.3
72.5°	5354.7	5235.0	5654.6	6563.4	7904.4	9080.0	7959.1	6614.8	5915.8	5277.2
75°	2913.4	2777.7	3357.0	4506.4	6303.5	7870.2	6448.3	4635.2	3737.8	2891.7
77.5°	822.1	770.8	1238.3	2180.2	3791.4	5525.8	3937.4	2228.1	1468.7	871.2
80°	252.0	244.0	330.7	656.8	1610.1	2646.6	1547.4	664.8	420.8	265.7
82.5°	149.4	136.8	164.2	239.5	410.5	831.3	399.1	249.7	200.7	134.6
85°	85.5	79.8	96.9	116.3	138.0	176.7	115.2	118.6	107.2	71.8
87.5°	35.3	31.9	37.6	36.5	31.9	41.0	30.8	36.5	43.3	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2001.2
1994.3
1969.3
1941.9
1929.3
1929.3
1937.3
1952.2
1967.0
1973.8
1980.7
1997.8
2036.5
2097.0
2193.9
2328.4
2496.1
2709.3
2961.3
3248.7
3594.2
4012.6
4513.2
5081.1
5653.5
6318.3
6964.8
7270.4
6873.6
5435.7
3079.9
968.1
280.5
146.0
75.3
26.2
0.0

OF REPORT)