

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: P847411

Luminaire Tested: **GLAN-SB3C-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847411  
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-SB3C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21955 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

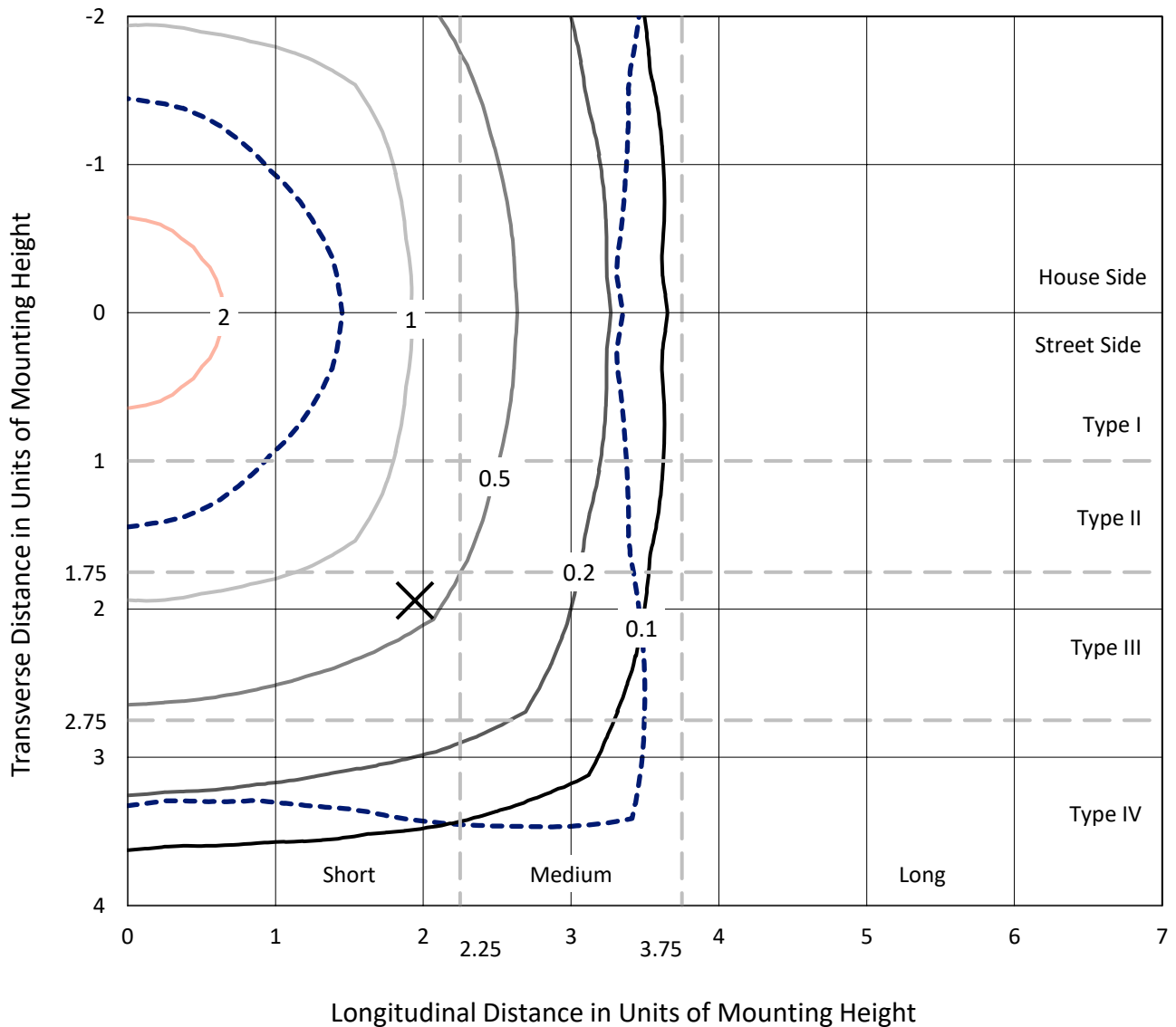
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

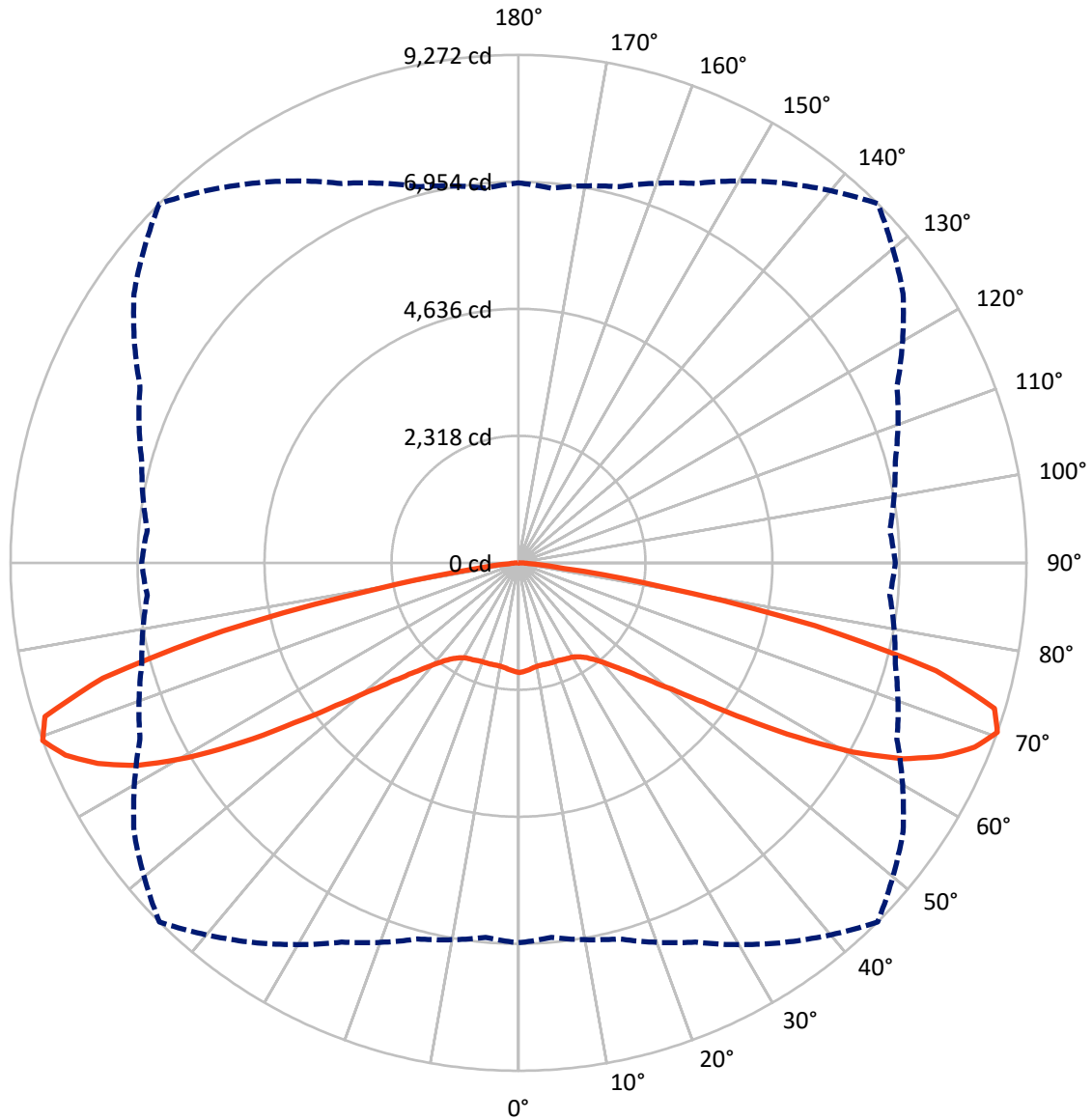
× Max cd  
 - - - 1/2 Max cd



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	10977.5	0.0	10977.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10977.5	0.0	10977.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21955.0	0.0	21955.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.3	0.8
10°-20°	547.0	2.5
20°-30°	910.3	4.1
30°-40°	1376.7	6.3
40°-50°	2287.7	10.4
50°-60°	4316.9	19.7
60°-70°	7289.3	33.2
70°-80°	4789.8	21.8
80°-90°	250.9	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°	21955.0	100.0
0°-180°	21955.0	100.0

**Coefficient of Utilization**



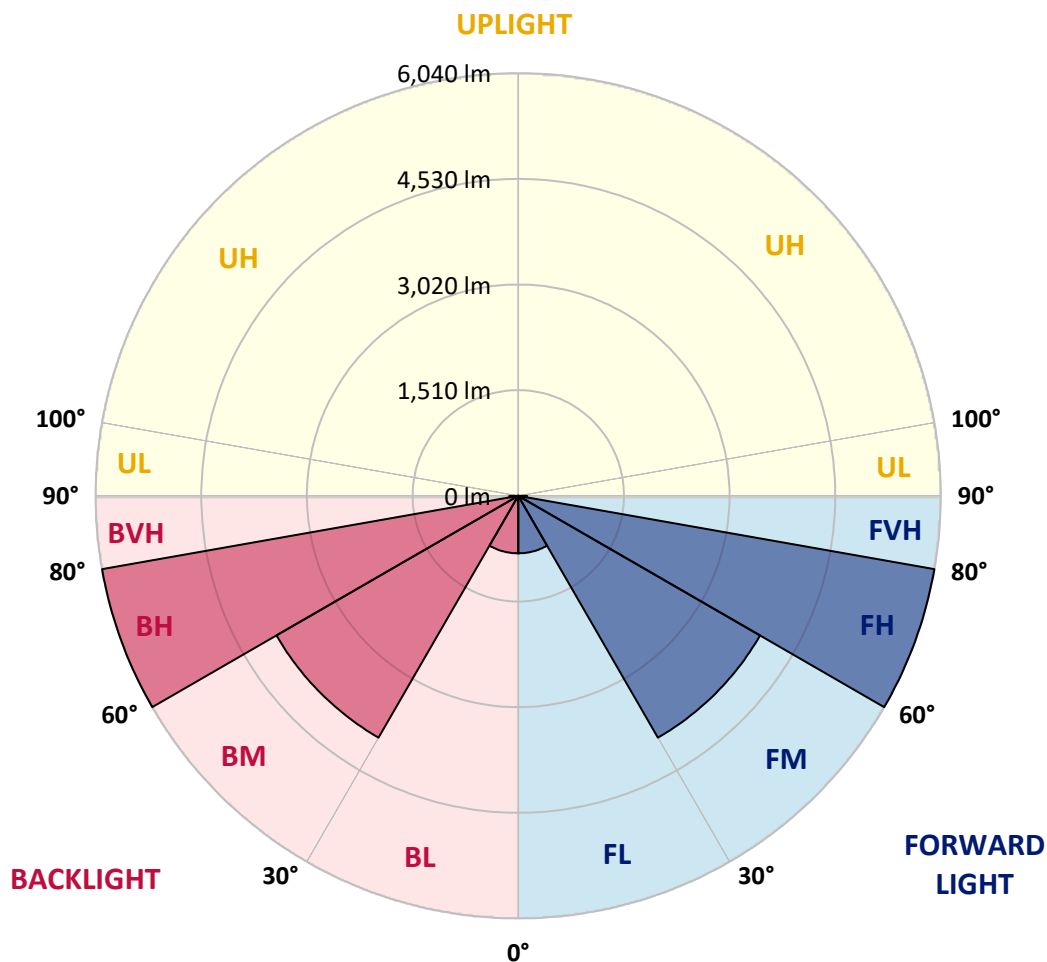
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.8	3.7			
FM (30°-60°)	3990.7	18.2			
FH (60°-80°)	6039.5	27.5			G3/7500
FVH (80°-90°)	125.5	0.6			G2/225
BL (0°-30°)	821.8	3.7	B2/1000		
BM (30°-60°)	3990.7	18.2	B3/5000		
BH (60°-80°)	6039.5	27.5	B5		G3/7500
BVH (80°-90°)	125.5	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°	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7
2.5°	1990.2	1995.9	1993.6	1989.0	1989.0	1985.6	1989.0	1991.3	1994.7	1997.0
5°	1963.9	1968.5	1967.4	1963.9	1965.1	1961.7	1963.9	1967.4	1969.6	1970.8
7.5°	1941.1	1945.7	1943.4	1937.7	1937.7	1934.3	1935.4	1938.8	1942.3	1943.4
10°	1935.4	1940.0	1933.1	1924.0	1920.6	1916.0	1917.2	1920.6	1927.4	1930.8
12.5°	1937.7	1941.1	1934.3	1920.6	1917.2	1912.6	1912.6	1916.0	1925.1	1929.7
15°	1944.5	1948.0	1937.7	1922.9	1919.4	1916.0	1914.9	1919.4	1929.7	1937.7
17.5°	1957.1	1960.5	1944.5	1924.0	1919.4	1920.6	1919.4	1922.9	1938.8	1953.7
20°	1968.5	1970.8	1949.1	1924.0	1919.4	1920.6	1919.4	1926.3	1946.8	1967.4
22.5°	1971.9	1974.2	1953.7	1932.0	1928.6	1929.7	1928.6	1935.4	1954.8	1975.4
25°	1973.1	1976.5	1960.5	1943.4	1949.1	1951.4	1949.1	1950.2	1965.1	1983.3
27.5°	1990.2	1994.7	1979.9	1965.1	1968.5	1967.4	1970.8	1974.2	1985.6	2003.9
30°	2025.6	2029.0	2016.4	2001.6	1999.3	1991.3	2001.6	2013.0	2025.6	2041.5
32.5°	2083.8	2090.6	2074.6	2058.7	2048.4	2043.8	2051.8	2071.2	2088.3	2105.4
35°	2180.8	2185.3	2170.5	2140.8	2122.6	2122.6	2129.4	2154.5	2181.9	2203.6
37.5°	2317.7	2323.4	2297.2	2261.8	2234.4	2234.4	2243.5	2269.8	2310.9	2341.7
40°	2484.3	2492.3	2459.2	2422.7	2396.4	2391.9	2403.3	2433.0	2471.8	2510.6
42.5°	2685.2	2694.3	2650.9	2619.0	2598.4	2598.4	2604.1	2631.5	2666.9	2714.8
45°	2941.9	2957.9	2898.5	2866.6	2847.2	2851.8	2855.2	2879.1	2911.1	2965.9
47.5°	3247.7	3263.7	3201.0	3167.9	3164.4	3186.1	3172.4	3189.5	3206.7	3269.4
50°	3594.7	3622.0	3578.7	3576.4	3583.2	3623.2	3591.2	3600.4	3581.0	3620.9
52.5°	4019.2	4059.1	4051.1	4064.8	4141.3	4223.4	4150.4	4118.5	4045.4	4058.0
55°	4533.8	4594.3	4605.7	4687.9	4861.3	5029.1	4873.9	4744.9	4589.8	4561.2
57.5°	5119.2	5167.2	5222.0	5389.7	5713.8	6011.6	5713.8	5428.5	5184.3	5126.1
60°	5749.2	5808.5	5861.0	6108.6	6590.2	7009.0	6581.1	6128.0	5805.1	5726.3
62.5°	6425.9	6502.3	6538.9	6813.9	7375.3	7875.2	7383.3	6834.4	6476.1	6391.6
65°	7075.2	7138.0	7179.0	7472.3	8008.7	8509.6	8045.2	7504.3	7135.7	7025.0
67.5°	7377.6	7411.8	7512.3	7844.3	8410.4	8982.1	8506.2	7879.7	7467.8	7273.8
70°	6934.8	6865.2	7107.2	7638.9	8458.3	9271.9	8567.8	7623.0	7118.6	6803.6
72.5°	5358.9	5239.1	5659.0	6568.5	7910.5	9087.1	7965.3	6619.9	5920.3	5281.3
75°	2915.7	2779.9	3359.6	4509.9	6308.3	7876.3	6453.3	4638.8	3740.7	2894.0
77.5°	822.8	771.4	1239.3	2181.9	3794.4	5530.1	3940.4	2229.8	1469.8	871.8
80°	252.2	244.2	330.9	657.3	1611.3	2648.6	1548.6	665.3	421.1	265.9
82.5°	149.5	136.9	164.3	239.6	410.8	831.9	399.4	249.9	200.8	134.7
85°	85.6	79.9	97.0	116.4	138.1	176.9	115.3	118.7	107.3	71.9
87.5°	35.4	32.0	37.7	36.5	32.0	41.1	30.8	36.5	43.4	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°
2002.7
1995.9
1970.8
1943.4
1930.8
1930.8
1938.8
1953.7
1968.5
1975.4
1982.2
1999.3
2038.1
2098.6
2195.6
2330.3
2498.0
2711.4
2963.6
3251.2
3596.9
4015.7
4516.7
5085.0
5657.9
6323.2
6970.2
7276.0
6878.9
5439.9
3082.3
968.8
280.7
146.1
75.3
26.2
0.0

OF REPORT)