

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: P848431

Luminaire Tested: **GLAN-SB5A-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848431  
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-SB5A-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22140 lumens  
Efficiency: N/A  
Efficacy: 156.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

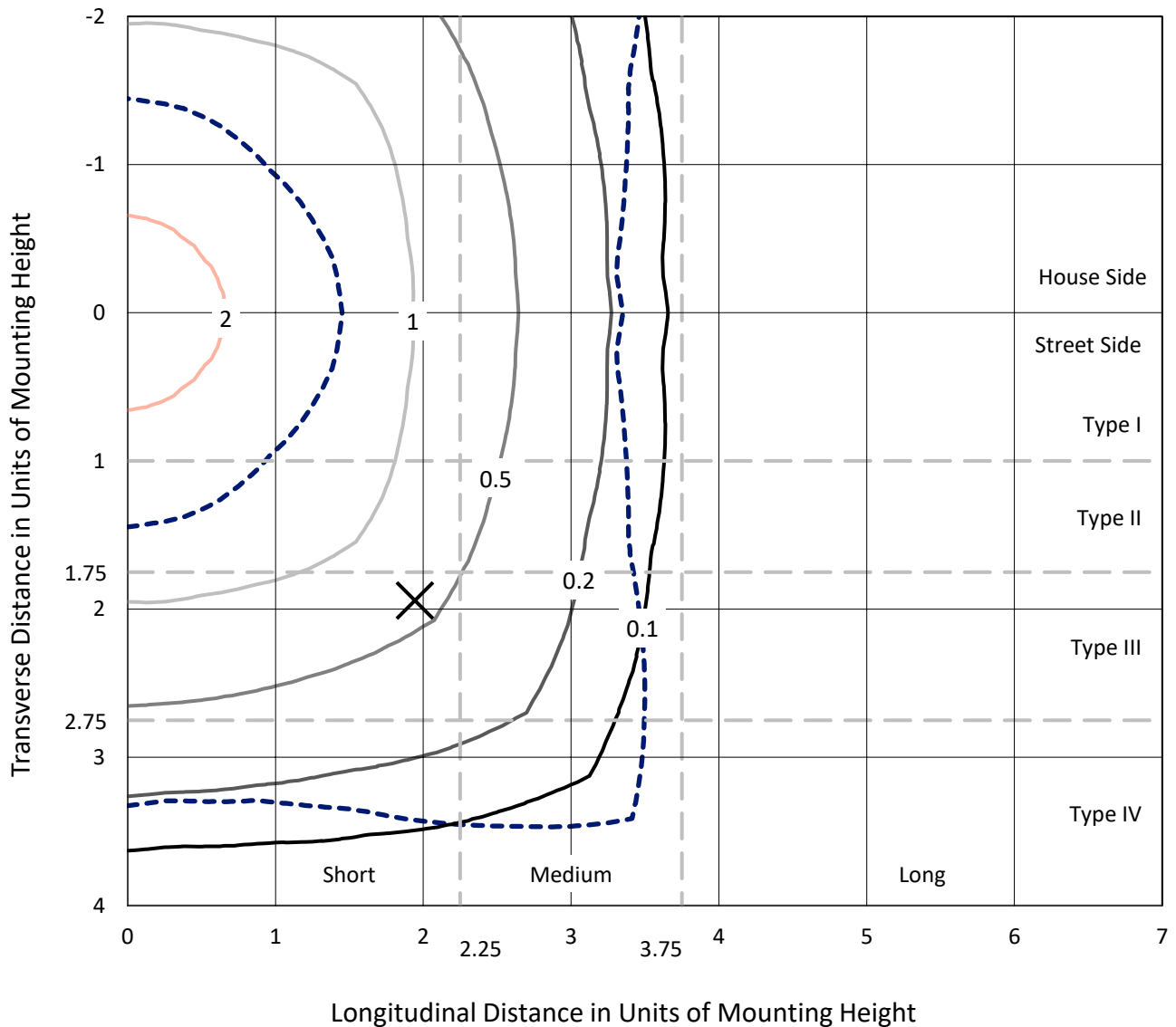
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

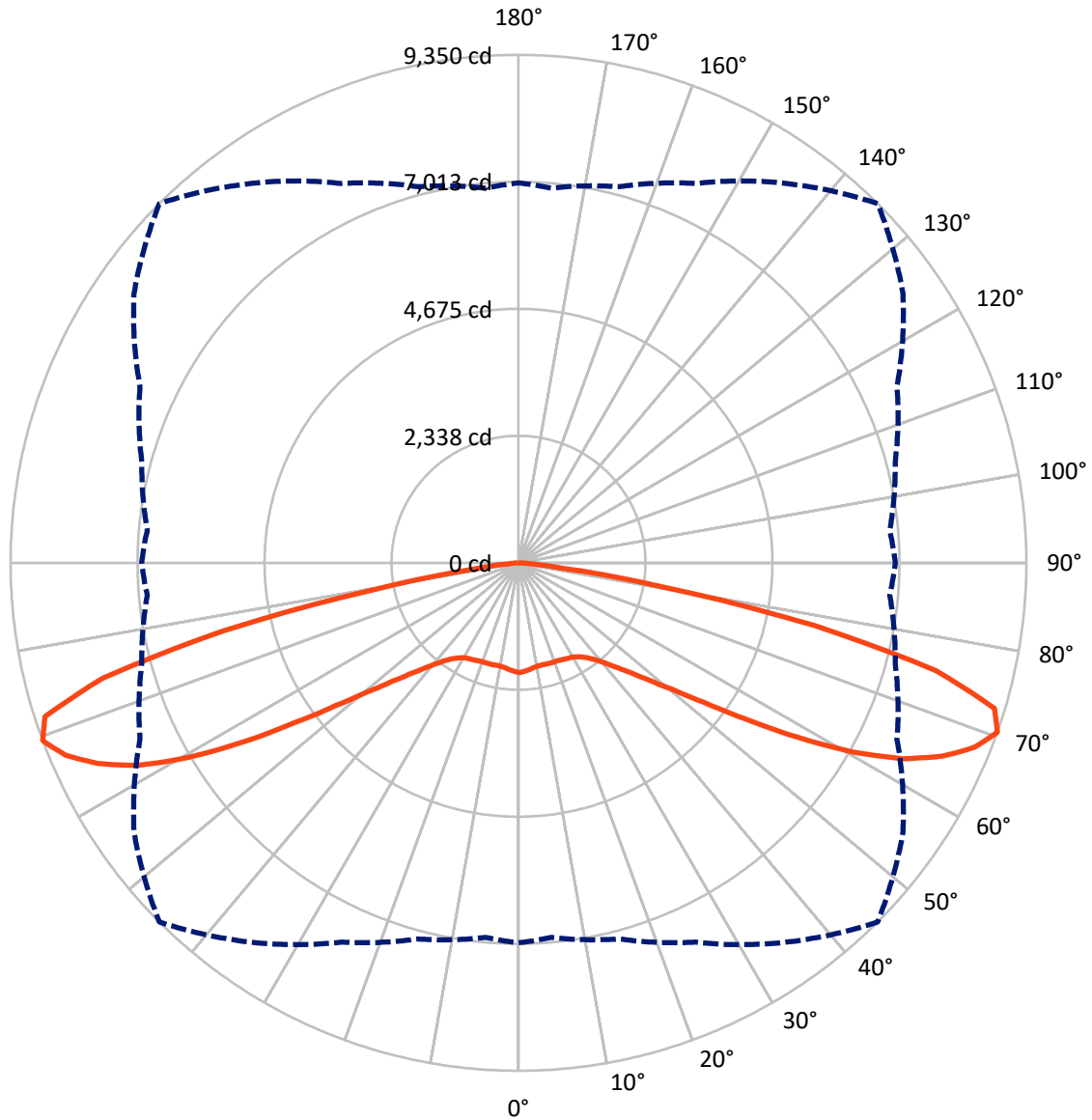
× Max cd  
 - - - 1/2 Max cd



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	11070.0	0.0	11070.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11070.0	0.0	11070.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22140.0	0.0	22140.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.9	0.8
10°-20°	551.6	2.5
20°-30°	918.0	4.1
30°-40°	1388.3	6.3
40°-50°	2307.0	10.4
50°-60°	4353.3	19.7
60°-70°	7350.7	33.2
70°-80°	4830.2	21.8
80°-90°	253.1	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°	22140.0	100.0
0°-180°	22140.0	100.0

**Coefficient of Utilization**



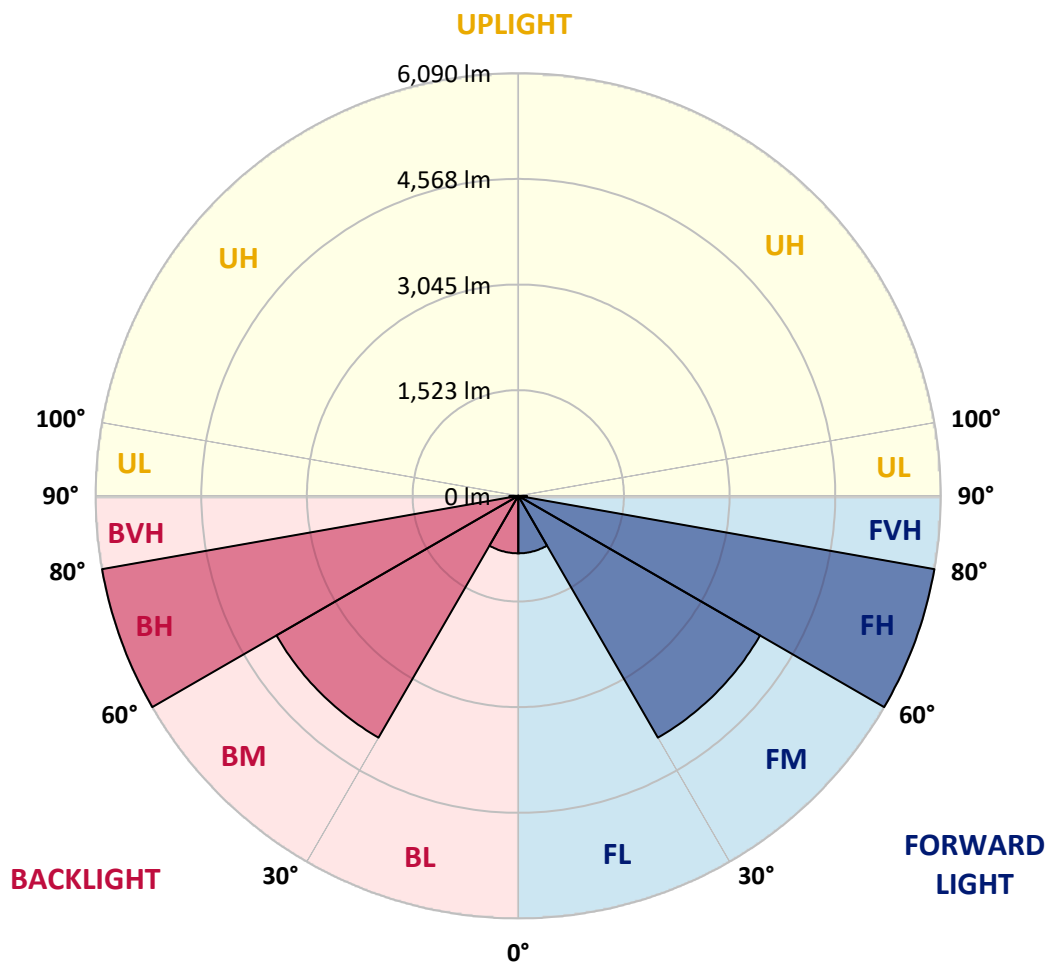
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.8	3.7			
FM (30°-60°)	4024.3	18.2			
FH (60°-80°)	6090.4	27.5			G3/7500
FVH (80°-90°)	126.5	0.6			G2/225
BL (0°-30°)	828.8	3.7	B2/1000		
BM (30°-60°)	4024.3	18.2	B3/5000		
BH (60°-80°)	6090.4	27.5	B5		G3/7500
BVH (80°-90°)	126.5	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°	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6	2019.6
2.5°	2007.0	2012.7	2010.4	2005.8	2005.8	2002.4	2005.8	2008.1	2011.6	2013.9
5°	1980.5	1985.1	1983.9	1980.5	1981.6	1978.2	1980.5	1983.9	1986.2	1987.4
7.5°	1957.5	1962.1	1959.8	1954.0	1954.0	1950.6	1951.7	1955.2	1958.6	1959.8
10°	1951.7	1956.3	1949.4	1940.2	1936.8	1932.2	1933.3	1936.8	1943.7	1947.1
12.5°	1954.0	1957.5	1950.6	1936.8	1933.3	1928.7	1928.7	1932.2	1941.4	1946.0
15°	1960.9	1964.4	1954.0	1939.1	1935.6	1932.2	1931.0	1935.6	1946.0	1954.0
17.5°	1973.6	1977.0	1960.9	1940.2	1935.6	1936.8	1935.6	1939.1	1955.2	1970.1
20°	1985.1	1987.4	1965.5	1940.2	1935.6	1936.8	1935.6	1942.5	1963.2	1983.9
22.5°	1988.5	1990.8	1970.1	1948.3	1944.8	1946.0	1944.8	1951.7	1971.3	1992.0
25°	1989.7	1993.1	1977.0	1959.8	1965.5	1967.8	1965.5	1966.7	1981.6	2000.1
27.5°	2007.0	2011.6	1996.6	1981.6	1985.1	1983.9	1987.4	1990.8	2002.4	2020.8
30°	2042.6	2046.1	2033.4	2018.5	2016.2	2008.1	2018.5	2030.0	2042.6	2058.7
32.5°	2101.3	2108.2	2092.1	2076.0	2065.6	2061.0	2069.1	2088.7	2105.9	2123.2
35°	2199.1	2203.7	2188.8	2158.9	2140.4	2140.4	2147.4	2172.7	2200.3	2222.2
37.5°	2337.2	2343.0	2316.5	2280.8	2253.2	2253.2	2262.4	2288.9	2330.3	2361.4
40°	2505.2	2513.3	2479.9	2443.1	2416.6	2412.0	2423.5	2453.5	2492.6	2531.7
42.5°	2707.8	2717.0	2673.3	2641.0	2620.3	2620.3	2626.1	2653.7	2689.4	2737.7
45°	2966.7	2982.8	2923.0	2890.8	2871.2	2875.8	2879.2	2903.4	2935.6	2990.9
47.5°	3275.1	3291.2	3227.9	3194.6	3191.1	3213.0	3199.2	3216.4	3233.7	3297.0
50°	3624.9	3652.6	3608.8	3606.5	3613.4	3653.7	3621.5	3630.7	3611.1	3651.4
52.5°	4053.0	4093.3	4085.3	4099.1	4176.2	4259.0	4185.4	4153.2	4079.5	4092.2
55°	4572.0	4633.0	4644.5	4727.4	4902.3	5071.5	4915.0	4784.9	4628.4	4599.7
57.5°	5162.4	5210.7	5266.0	5435.1	5761.9	6062.3	5761.9	5474.2	5228.0	5169.3
60°	5797.6	5857.5	5910.4	6160.1	6645.7	7068.1	6636.5	6179.7	5854.0	5774.6
62.5°	6480.0	6557.1	6594.0	6871.3	7437.5	7941.5	7445.5	6892.0	6530.7	6445.5
65°	7134.8	7198.1	7239.5	7535.3	8076.2	8581.3	8113.0	7567.5	7195.8	7084.2
67.5°	7439.8	7474.3	7575.6	7910.4	8481.2	9057.8	8577.9	7946.1	7530.7	7335.1
70°	6993.3	6923.1	7167.0	7703.3	8529.6	9350.1	8640.0	7687.2	7178.5	6860.9
72.5°	5404.0	5283.2	5706.7	6623.9	7977.2	9163.6	8032.4	6675.7	5970.2	5325.8
75°	2940.2	2803.3	3387.9	4547.9	6361.5	7942.7	6507.6	4677.9	3772.2	2918.4
77.5°	829.7	777.9	1249.7	2200.3	3826.3	5576.7	3973.6	2248.6	1482.2	879.2
80°	254.3	246.3	333.7	662.8	1624.9	2671.0	1561.6	670.9	424.6	268.1
82.5°	150.8	138.1	165.7	241.7	414.3	838.9	402.8	252.0	202.5	135.8
85°	86.3	80.6	97.8	117.4	139.2	178.4	116.2	119.7	108.2	72.5
87.5°	35.7	32.2	38.0	36.8	32.2	41.4	31.1	36.8	43.7	28.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2019.6
2012.7
1987.4
1959.8
1947.1
1947.1
1955.2
1970.1
1985.1
1992.0
1998.9
2016.2
2055.3
2116.3
2214.1
2349.9
2519.1
2734.2
2988.6
3278.6
3627.2
4049.6
4554.8
5127.9
5705.6
6376.5
7028.9
7337.4
6936.9
5485.8
3108.2
977.0
283.1
147.3
76.0
26.5
0.0

OF REPORT)