

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: P847931

Luminaire Tested: **GLAN-SB4B-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847931  
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-SB4B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22401 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

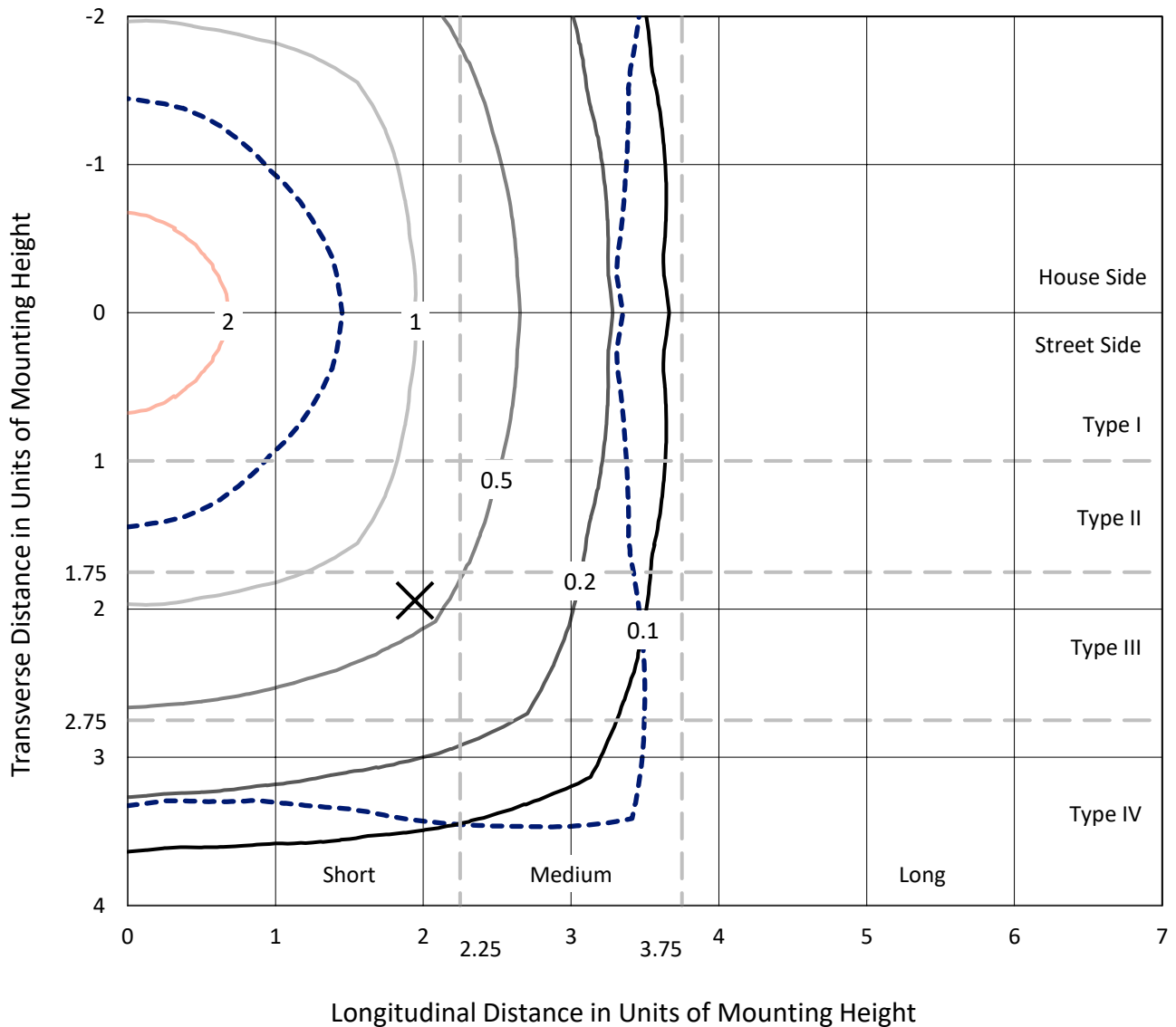
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

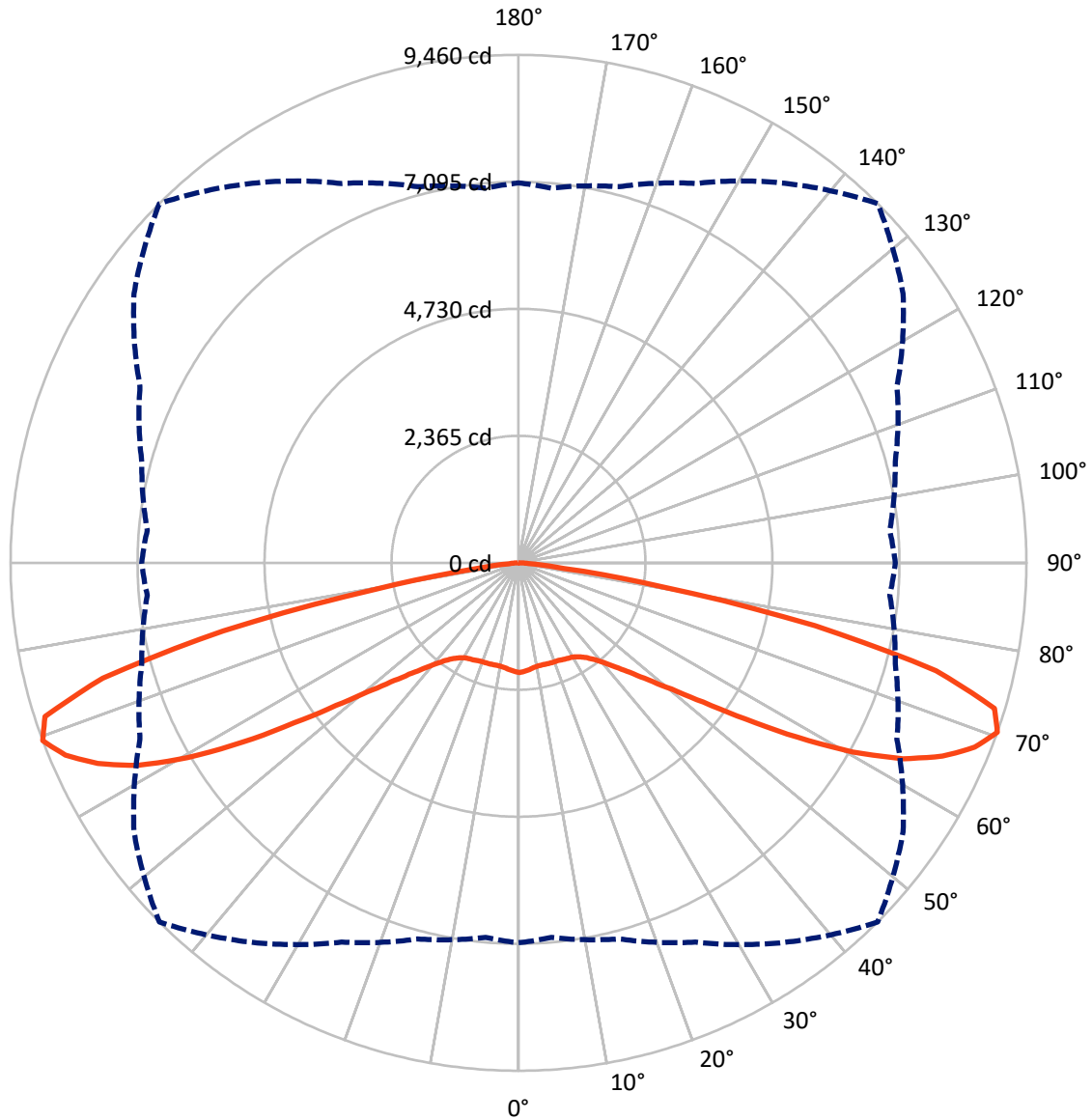
✕ Max cd  
 - - - 1/2 Max cd



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	11200.5	0.0	11200.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11200.5	0.0	11200.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22401.0	0.0	22401.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.1	0.8
10°-20°	558.1	2.5
20°-30°	928.8	4.1
30°-40°	1404.7	6.3
40°-50°	2334.2	10.4
50°-60°	4404.6	19.7
60°-70°	7437.3	33.2
70°-80°	4887.1	21.8
80°-90°	256.0	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°	22401.0	100.0
0°-180°	22401.0	100.0

**Coefficient of Utilization**



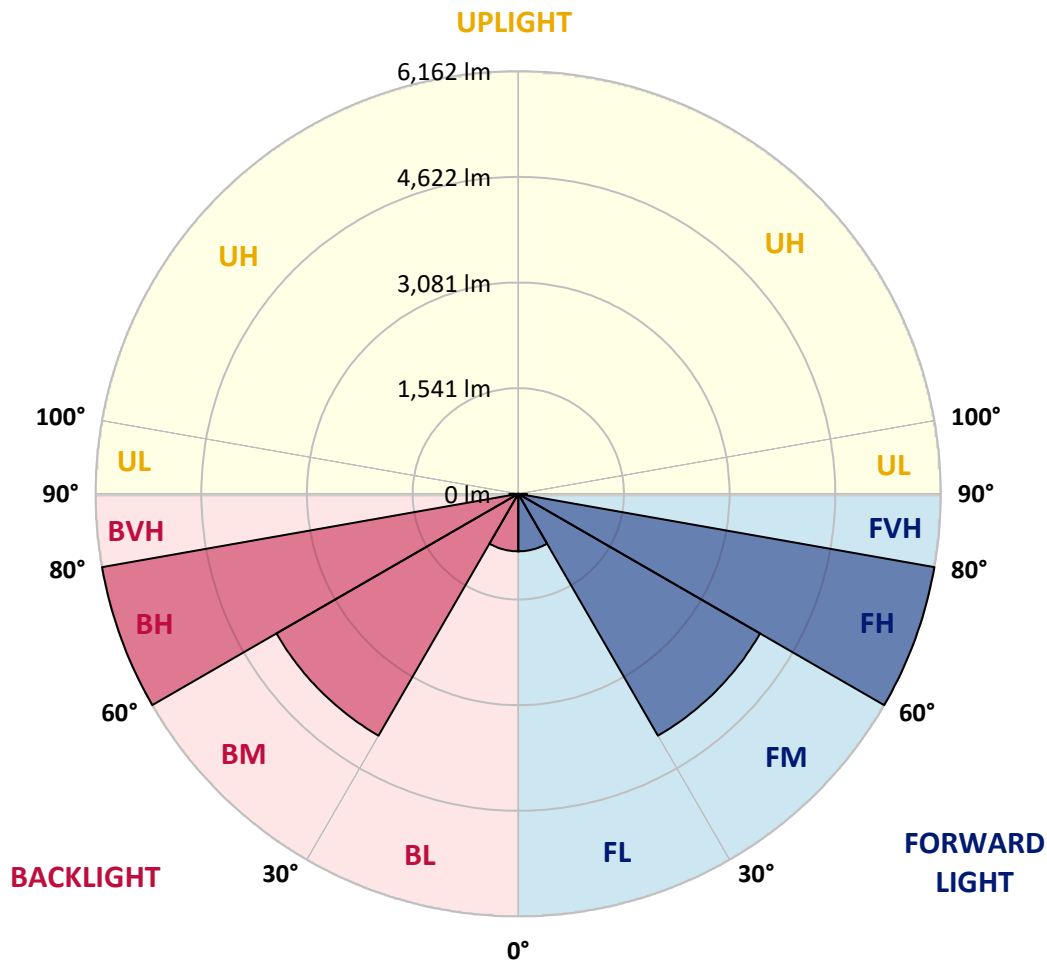
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.5	3.7			
FM (30°-60°)	4071.7	18.2			
FH (60°-80°)	6162.2	27.5			G3/7500
FVH (80°-90°)	128.0	0.6			G2/225
BL (0°-30°)	838.5	3.7	B2/1000		
BM (30°-60°)	4071.7	18.2	B3/5000		
BH (60°-80°)	6162.2	27.5	B5		G3/7500
BVH (80°-90°)	128.0	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°	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4
2.5°	2030.6	2036.4	2034.1	2029.5	2029.5	2026.0	2029.5	2031.8	2035.3	2037.6
5°	2003.8	2008.5	2007.3	2003.8	2005.0	2001.5	2003.8	2007.3	2009.7	2010.8
7.5°	1980.5	1985.2	1982.9	1977.1	1977.1	1973.6	1974.7	1978.2	1981.7	1982.9
10°	1974.7	1979.4	1972.4	1963.1	1959.6	1954.9	1956.1	1959.6	1966.6	1970.1
12.5°	1977.1	1980.5	1973.6	1959.6	1956.1	1951.4	1951.4	1954.9	1964.2	1968.9
15°	1984.0	1987.5	1977.1	1961.9	1958.4	1954.9	1953.8	1958.4	1968.9	1977.1
17.5°	1996.8	2000.3	1984.0	1963.1	1958.4	1959.6	1958.4	1961.9	1978.2	1993.4
20°	2008.5	2010.8	1988.7	1963.1	1958.4	1959.6	1958.4	1965.4	1986.4	2007.3
22.5°	2012.0	2014.3	1993.4	1971.2	1967.7	1968.9	1967.7	1974.7	1994.5	2015.5
25°	2013.1	2016.6	2000.3	1982.9	1988.7	1991.0	1988.7	1989.9	2005.0	2023.6
27.5°	2030.6	2035.3	2020.1	2005.0	2008.5	2007.3	2010.8	2014.3	2026.0	2044.6
30°	2066.7	2070.2	2057.4	2042.3	2039.9	2031.8	2042.3	2053.9	2066.7	2083.0
32.5°	2126.1	2133.1	2116.8	2100.5	2090.0	2085.3	2093.5	2113.3	2130.7	2148.2
35°	2225.1	2229.7	2214.6	2184.3	2165.7	2165.7	2172.7	2198.3	2226.2	2248.3
37.5°	2364.8	2370.6	2343.8	2307.7	2279.8	2279.8	2289.1	2315.9	2357.8	2389.2
40°	2534.8	2542.9	2509.2	2471.9	2445.1	2440.5	2452.1	2482.4	2522.0	2561.6
42.5°	2739.7	2749.0	2704.8	2672.2	2651.2	2651.2	2657.0	2685.0	2721.1	2770.0
45°	3001.7	3018.0	2957.4	2924.8	2905.0	2909.7	2913.2	2937.6	2970.2	3026.1
47.5°	3313.7	3330.0	3266.0	3232.2	3228.7	3250.8	3236.9	3254.3	3271.8	3335.8
50°	3667.7	3695.6	3651.4	3649.1	3656.0	3696.8	3664.2	3673.5	3653.7	3694.5
52.5°	4100.8	4141.6	4133.4	4147.4	4225.4	4309.2	4234.7	4202.1	4127.6	4140.4
55°	4625.9	4687.6	4699.3	4783.1	4960.1	5131.3	4972.9	4841.3	4683.0	4653.9
57.5°	5223.2	5272.1	5328.0	5499.2	5829.9	6133.8	5829.9	5538.8	5289.6	5230.2
60°	5866.0	5926.5	5980.1	6232.7	6724.1	7151.4	6714.8	6252.5	5923.0	5842.7
62.5°	6556.4	6634.4	6671.7	6952.3	7525.1	8035.1	7533.3	6973.3	6607.6	6521.5
65°	7218.9	7283.0	7324.9	7624.1	8171.4	8682.5	8208.6	7656.7	7280.6	7167.7
67.5°	7527.5	7562.4	7664.9	8003.7	8581.2	9164.5	8679.0	8039.8	7619.5	7421.5
70°	7075.7	7004.7	7251.5	7794.1	8630.1	9460.3	8741.9	7777.8	7263.2	6941.8
72.5°	5467.8	5345.5	5774.0	6702.0	8071.2	9271.7	8127.1	6754.4	6040.6	5388.6
75°	2974.9	2836.3	3427.8	4601.5	6436.5	8036.3	6584.4	4733.1	3816.7	2952.8
77.5°	839.5	787.1	1264.5	2226.2	3871.4	5642.4	4020.5	2275.1	1499.7	889.6
80°	257.3	249.2	337.7	670.7	1644.1	2702.4	1580.0	678.8	429.6	271.3
82.5°	152.5	139.7	167.7	244.5	419.2	848.8	407.5	255.0	204.9	137.4
85°	87.3	81.5	99.0	118.8	140.9	180.5	117.6	121.1	109.4	73.4
87.5°	36.1	32.6	38.4	37.3	32.6	41.9	31.4	37.3	44.2	29.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2043.4
2036.4
2010.8
1982.9
1970.1
1970.1
1978.2
1993.4
2008.5
2015.5
2022.5
2039.9
2079.5
2141.2
2240.2
2377.6
2548.7
2766.5
3023.8
3317.2
3670.0
4097.3
4608.5
5188.3
5772.8
6451.6
7111.8
7423.9
7018.7
5550.4
3144.9
988.5
286.4
149.0
76.8
26.8
0.0

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