

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: P847921

Luminaire Tested: **GLAN-SB4B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847921
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22051 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

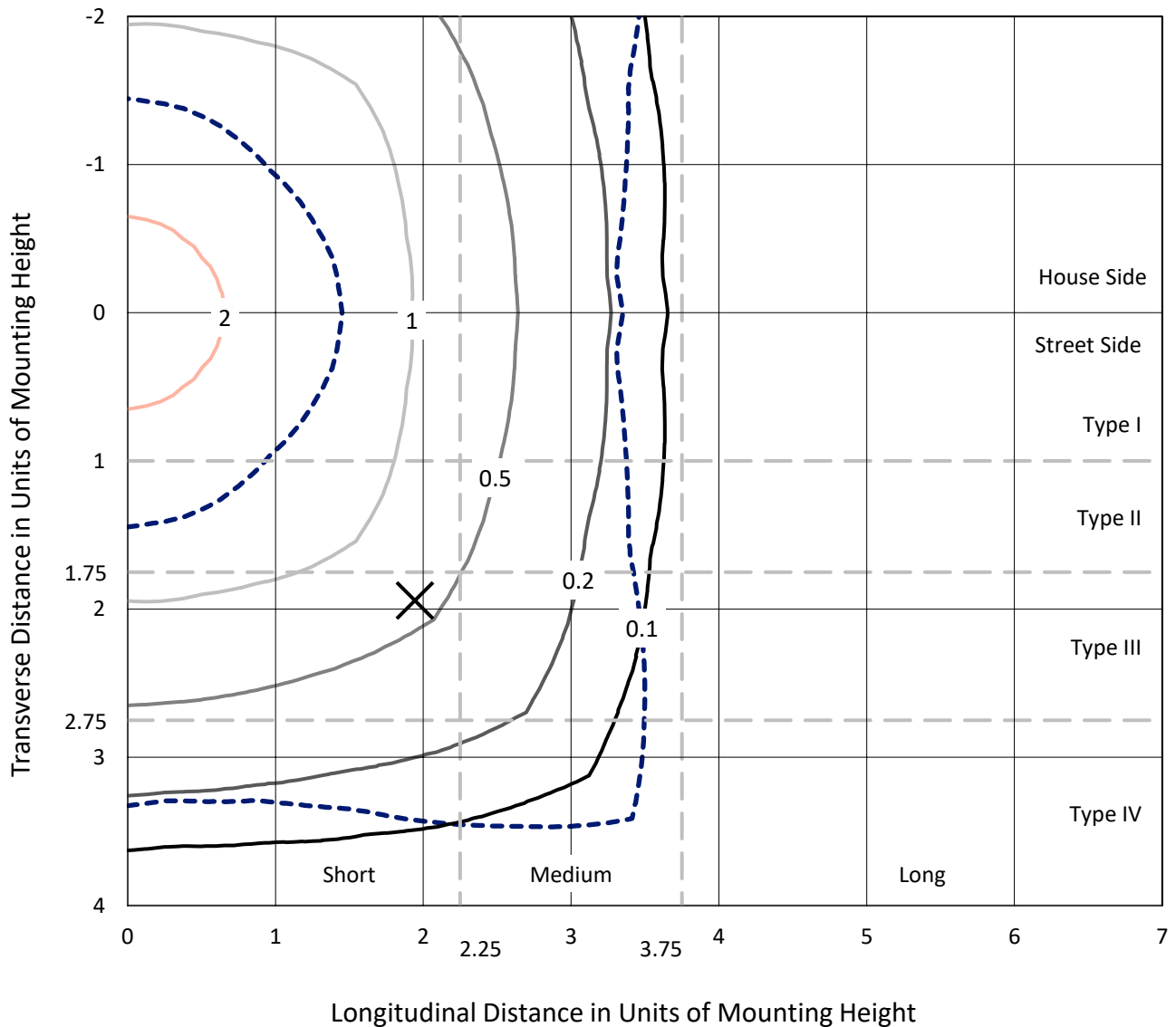
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

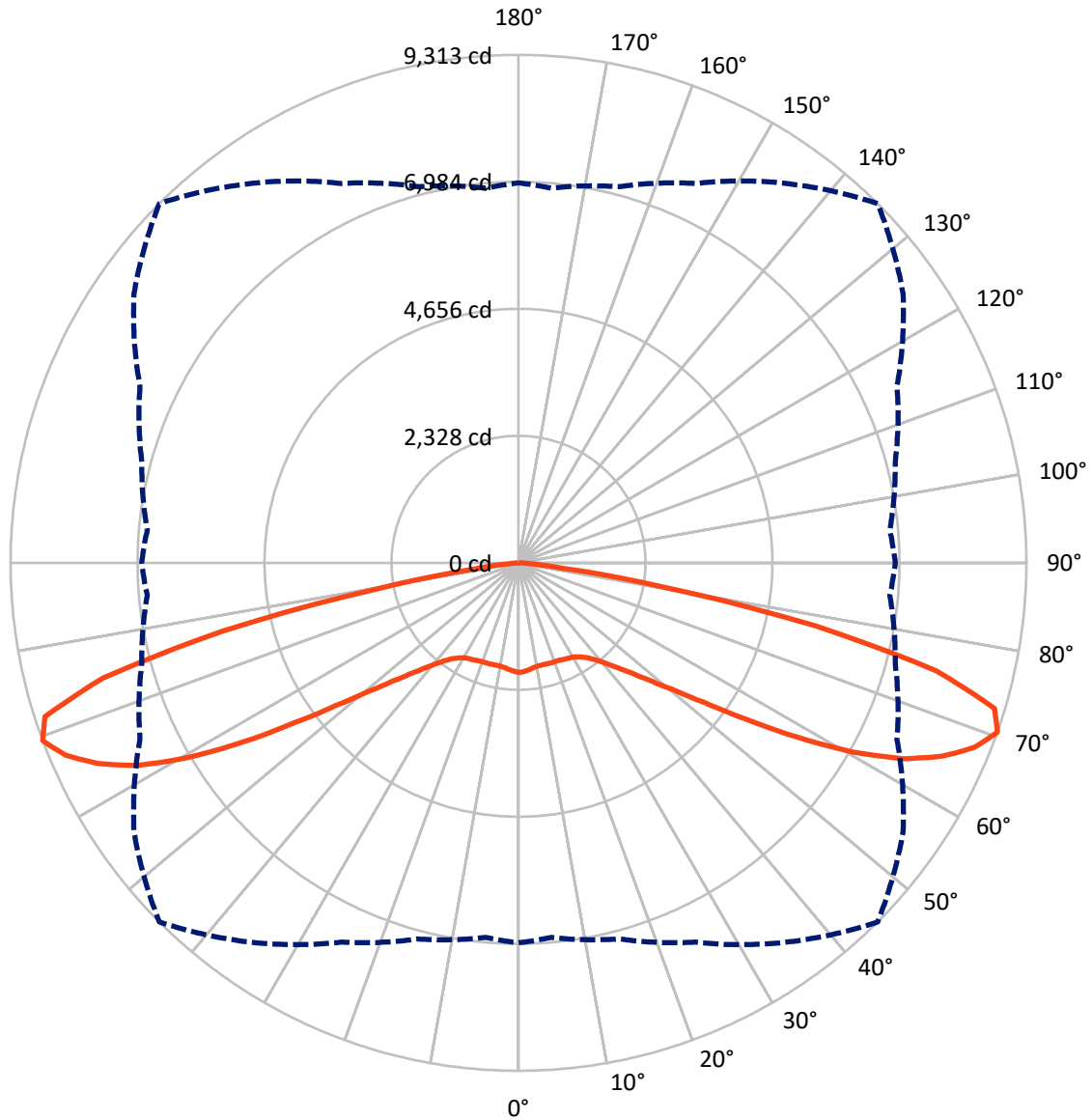
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
House Side	Lumens	11025.5	0.0	11025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11025.5	0.0	11025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22051.0	0.0	22051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	0.8
10°-20°	549.4	2.5
20°-30°	914.3	4.1
30°-40°	1382.7	6.3
40°-50°	2297.7	10.4
50°-60°	4335.8	19.7
60°-70°	7321.1	33.2
70°-80°	4810.7	21.8
80°-90°	252.0	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°	22051.0	100.0
0°-180°	22051.0	100.0

Coefficient of Utilization



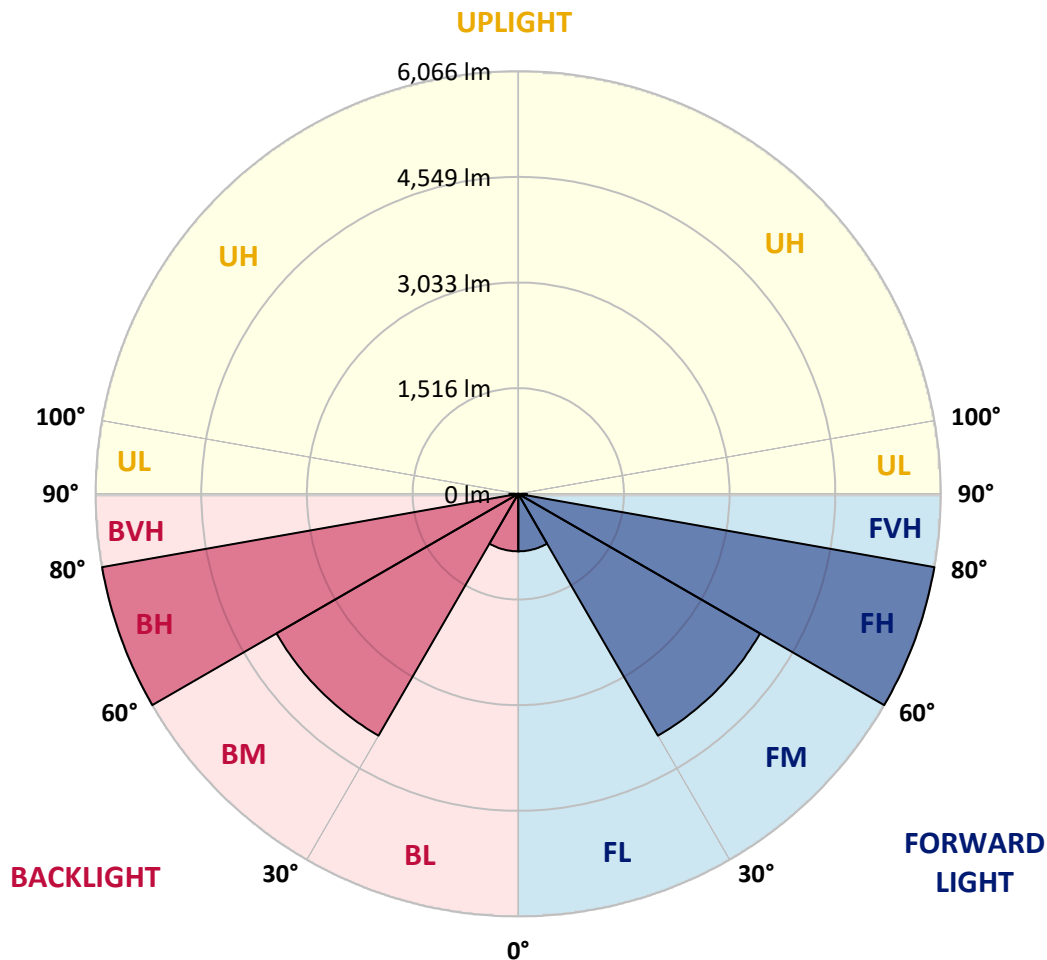
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.4	3.7			
FM (30°-60°)	4008.1	18.2			
FH (60°-80°)	6065.9	27.5			G3/7500
FVH (80°-90°)	126.0	0.6			G2/225
BL (0°-30°)	825.4	3.7	B2/1000		
BM (30°-60°)	4008.1	18.2	B3/5000		
BH (60°-80°)	6065.9	27.5	B5		G3/7500
BVH (80°-90°)	126.0	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°	2011.5	2011.5	2011.5	2011.5	2011.5	2011.5	2011.5	2011.5	2011.5	2011.5
2.5°	1998.9	2004.6	2002.3	1997.7	1997.7	1994.3	1997.7	2000.0	2003.5	2005.8
5°	1972.5	1977.1	1976.0	1972.5	1973.7	1970.2	1972.5	1976.0	1978.3	1979.4
7.5°	1949.6	1954.2	1951.9	1946.2	1946.2	1942.7	1943.9	1947.3	1950.7	1951.9
10°	1943.9	1948.5	1941.6	1932.4	1929.0	1924.4	1925.5	1929.0	1935.8	1939.3
12.5°	1946.2	1949.6	1942.7	1929.0	1925.5	1920.9	1920.9	1924.4	1933.6	1938.1
15°	1953.0	1956.5	1946.2	1931.3	1927.8	1924.4	1923.2	1927.8	1938.1	1946.2
17.5°	1965.6	1969.1	1953.0	1932.4	1927.8	1929.0	1927.8	1931.3	1947.3	1962.2
20°	1977.1	1979.4	1957.6	1932.4	1927.8	1929.0	1927.8	1934.7	1955.3	1976.0
22.5°	1980.5	1982.8	1962.2	1940.4	1937.0	1938.1	1937.0	1943.9	1963.4	1984.0
25°	1981.7	1985.1	1969.1	1951.9	1957.6	1959.9	1957.6	1958.8	1973.7	1992.0
27.5°	1998.9	2003.5	1988.6	1973.7	1977.1	1976.0	1979.4	1982.8	1994.3	2012.6
30°	2034.4	2037.9	2025.2	2010.3	2008.1	2000.0	2010.3	2021.8	2034.4	2050.5
32.5°	2092.9	2099.7	2083.7	2067.7	2057.3	2052.8	2060.8	2080.3	2097.5	2114.6
35°	2190.3	2194.9	2180.0	2150.2	2131.8	2131.8	2138.7	2163.9	2191.4	2213.2
37.5°	2327.8	2333.6	2307.2	2271.7	2244.2	2244.2	2253.3	2279.7	2321.0	2351.9
40°	2495.2	2503.2	2470.0	2433.3	2406.9	2402.3	2413.8	2443.6	2482.6	2521.5
42.5°	2696.9	2706.1	2662.5	2630.4	2609.8	2609.8	2615.5	2643.0	2678.6	2726.7
45°	2954.8	2970.8	2911.2	2879.1	2859.6	2864.2	2867.7	2891.7	2923.8	2978.8
47.5°	3261.9	3278.0	3215.0	3181.7	3178.3	3200.1	3186.3	3203.5	3220.7	3283.7
50°	3610.4	3637.9	3594.3	3592.0	3598.9	3639.0	3606.9	3616.1	3596.6	3636.7
52.5°	4036.7	4076.9	4068.8	4082.6	4159.4	4241.9	4168.6	4136.5	4063.1	4075.7
55°	4553.7	4614.4	4625.9	4708.4	4882.6	5051.1	4895.2	4765.7	4609.8	4581.2
57.5°	5141.6	5189.8	5244.8	5413.3	5738.8	6037.9	5738.8	5452.2	5207.0	5148.5
60°	5774.3	5833.9	5886.6	6135.3	6619.0	7039.7	6609.9	6154.8	5830.5	5751.4
62.5°	6454.0	6530.8	6567.4	6843.7	7407.6	7909.6	7415.6	6864.3	6504.4	6419.6
65°	7106.1	7169.2	7210.4	7505.0	8043.7	8546.8	8080.4	7537.1	7166.9	7055.7
67.5°	7409.9	7444.3	7545.1	7878.6	8447.1	9021.4	8543.4	7914.2	7500.4	7305.6
70°	6965.2	6895.2	7138.2	7672.3	8495.3	9312.5	8605.3	7656.3	7149.7	6833.4
72.5°	5382.3	5262.0	5683.8	6597.2	7945.1	9126.8	8000.1	6648.8	5946.2	5304.4
75°	2928.4	2792.0	3374.3	4529.6	6335.9	7910.7	6481.5	4659.1	3757.1	2906.6
77.5°	826.4	774.8	1244.7	2191.4	3811.0	5554.2	3957.7	2239.6	1476.2	875.7
80°	253.3	245.3	332.4	660.2	1618.4	2660.2	1555.3	668.2	422.9	267.1
82.5°	150.1	137.5	165.0	240.7	412.6	835.5	401.2	251.0	201.7	135.2
85°	86.0	80.2	97.4	116.9	138.7	177.7	115.8	119.2	107.7	72.2
87.5°	35.5	32.1	37.8	36.7	32.1	41.3	30.9	36.7	43.6	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2011.5
2004.6
1979.4
1951.9
1939.3
1939.3
1947.3
1962.2
1977.1
1984.0
1990.9
2008.1
2047.0
2107.8
2205.2
2340.4
2508.9
2723.3
2976.6
3265.4
3612.7
4033.3
4536.5
5107.2
5682.6
6350.8
7000.7
7307.9
6909.0
5463.7
3095.8
973.1
282.0
146.7
75.6
26.4
0.0

OF REPORT)