

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: P847421

Luminaire Tested: **GLAN-SB3C-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847421
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22304 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

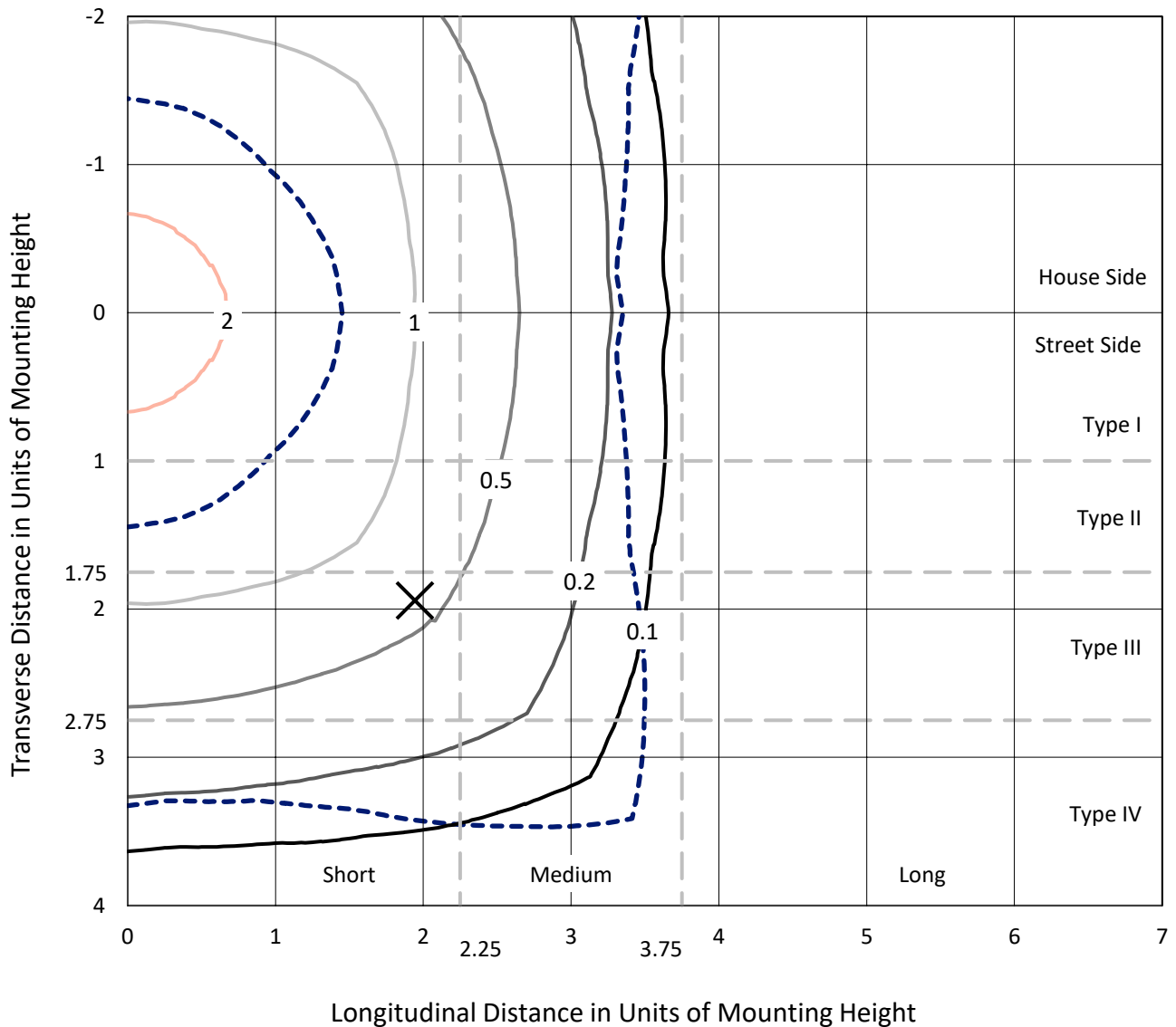
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

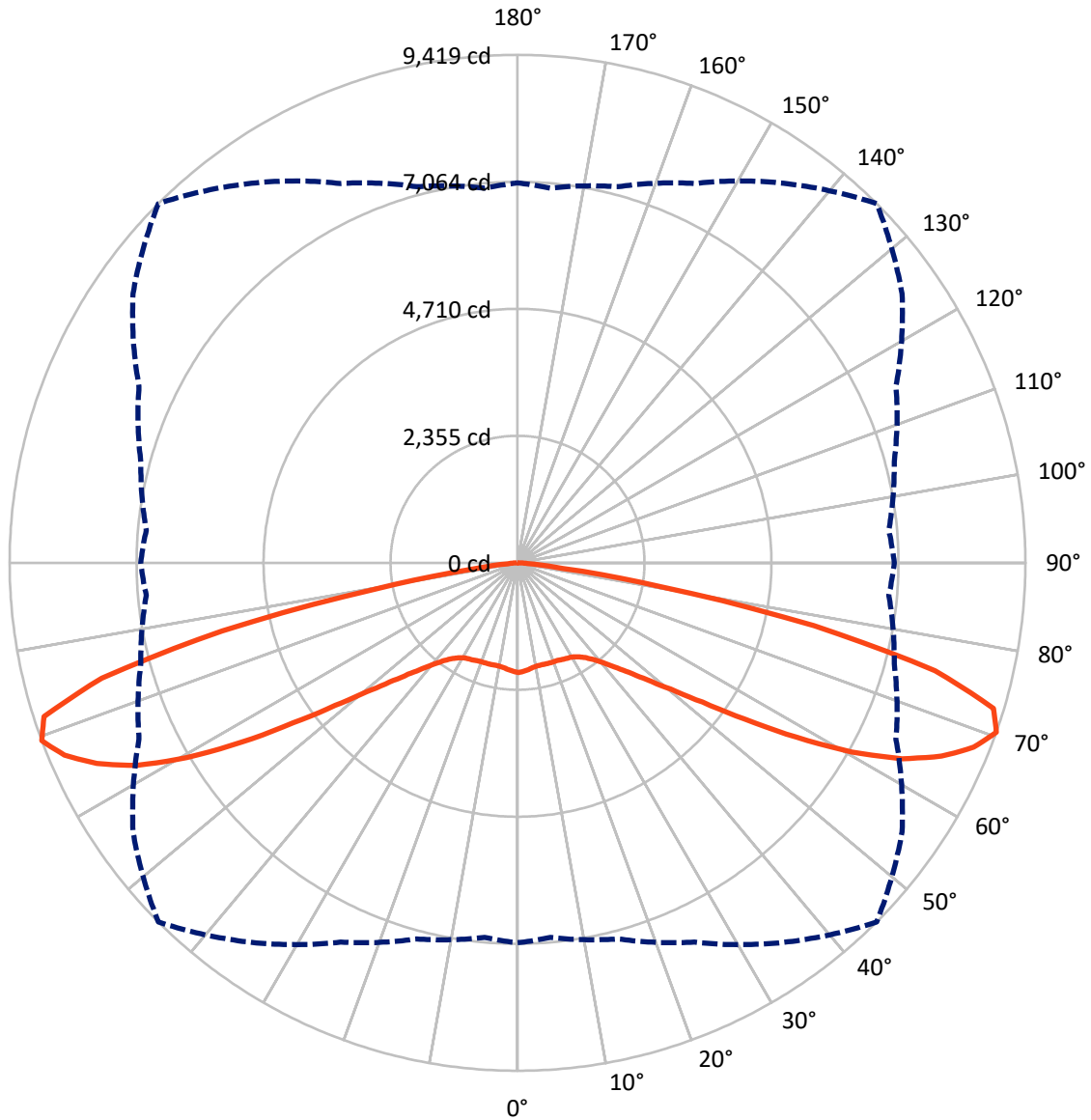
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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
House Side	Lumens	11152.0	0.0	11152.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11152.0	0.0	11152.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22304.0	0.0	22304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	0.8
10°-20°	555.7	2.5
20°-30°	924.8	4.1
30°-40°	1398.6	6.3
40°-50°	2324.1	10.4
50°-60°	4385.5	19.7
60°-70°	7405.1	33.2
70°-80°	4865.9	21.8
80°-90°	254.9	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°	22304.0	100.0
0°-180°	22304.0	100.0

Coefficient of Utilization



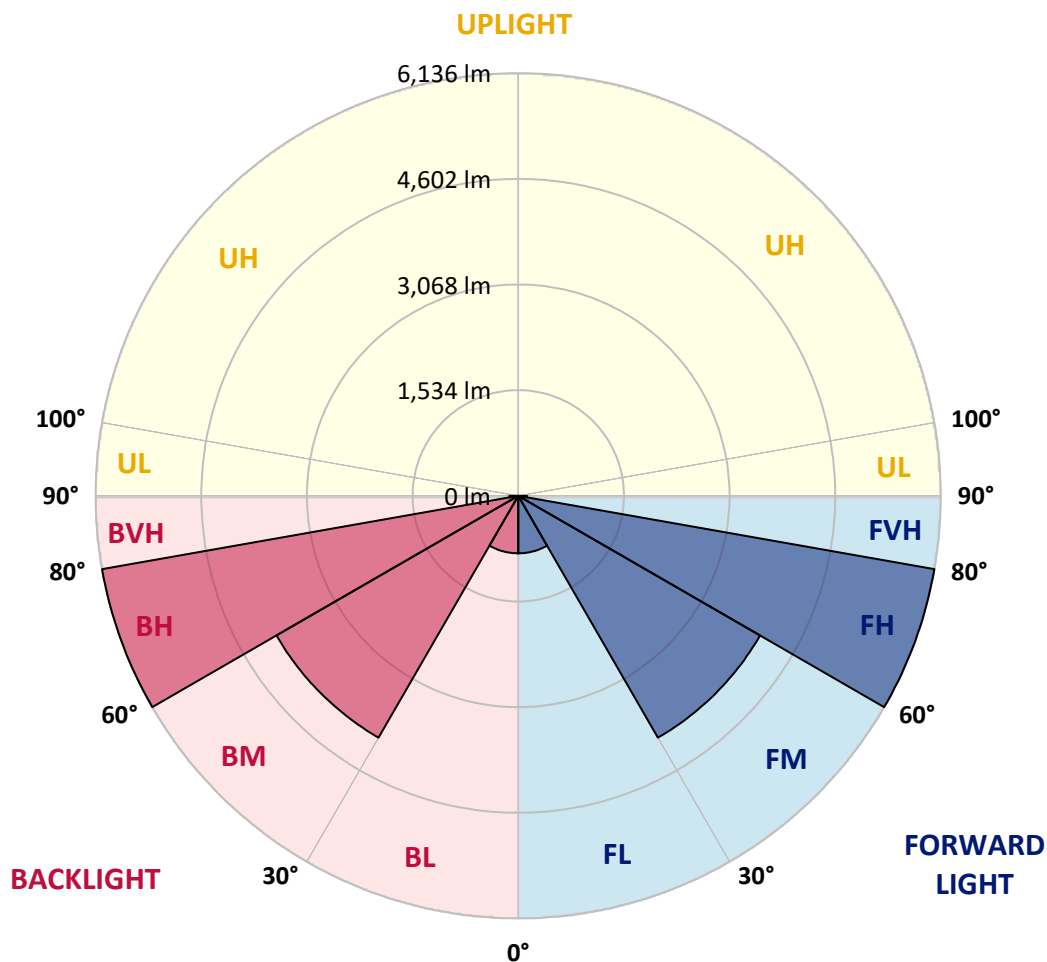
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	834.9	3.7			
FM (30°-60°)	4054.1	18.2			
FH (60°-80°)	6135.5	27.5			G3/7500
FVH (80°-90°)	127.5	0.6			G2/225
BL (0°-30°)	834.9	3.7	B2/1000		
BM (30°-60°)	4054.1	18.2	B3/5000		
BH (60°-80°)	6135.5	27.5	B5		G3/7500
BVH (80°-90°)	127.5	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°	2034.6	2034.6	2034.6	2034.6	2034.6	2034.6	2034.6	2034.6	2034.6	2034.6
2.5°	2021.8	2027.6	2025.3	2020.7	2020.7	2017.2	2020.7	2023.0	2026.5	2028.8
5°	1995.2	1999.8	1998.6	1995.2	1996.3	1992.8	1995.2	1998.6	2001.0	2002.1
7.5°	1972.0	1976.6	1974.3	1968.5	1968.5	1965.0	1966.2	1969.7	1973.1	1974.3
10°	1966.2	1970.8	1963.9	1954.6	1951.1	1946.5	1947.6	1951.1	1958.1	1961.5
12.5°	1968.5	1972.0	1965.0	1951.1	1947.6	1943.0	1943.0	1946.5	1955.7	1960.4
15°	1975.4	1978.9	1968.5	1953.4	1949.9	1946.5	1945.3	1949.9	1960.4	1968.5
17.5°	1988.2	1991.7	1975.4	1954.6	1949.9	1951.1	1949.9	1953.4	1969.7	1984.7
20°	1999.8	2002.1	1980.1	1954.6	1949.9	1951.1	1949.9	1956.9	1977.8	1998.6
22.5°	2003.3	2005.6	1984.7	1962.7	1959.2	1960.4	1959.2	1966.2	1985.9	2006.8
25°	2004.4	2007.9	1991.7	1974.3	1980.1	1982.4	1980.1	1981.2	1996.3	2014.9
27.5°	2021.8	2026.5	2011.4	1996.3	1999.8	1998.6	2002.1	2005.6	2017.2	2035.7
30°	2057.8	2061.2	2048.5	2033.4	2031.1	2023.0	2033.4	2045.0	2057.8	2074.0
32.5°	2116.9	2123.8	2107.6	2091.4	2080.9	2076.3	2084.4	2104.1	2121.5	2138.9
35°	2215.4	2220.1	2205.0	2174.8	2156.3	2156.3	2163.3	2188.8	2216.6	2238.6
37.5°	2354.5	2360.3	2333.7	2297.7	2269.9	2269.9	2279.2	2305.9	2347.6	2378.9
40°	2523.8	2531.9	2498.3	2461.2	2434.5	2429.9	2441.5	2471.6	2511.0	2550.5
42.5°	2727.8	2737.1	2693.1	2660.6	2639.7	2639.7	2645.5	2673.3	2709.3	2758.0
45°	2988.7	3004.9	2944.6	2912.2	2892.5	2897.1	2900.6	2924.9	2957.4	3013.0
47.5°	3299.4	3315.6	3251.8	3218.2	3214.7	3236.8	3222.9	3240.2	3257.6	3321.4
50°	3651.8	3679.6	3635.6	3633.3	3640.2	3680.8	3648.3	3657.6	3637.9	3678.5
52.5°	4083.1	4123.6	4115.5	4129.4	4207.1	4290.6	4216.4	4183.9	4109.7	4122.5
55°	4605.9	4667.3	4678.9	4762.4	4938.6	5109.0	4951.4	4820.4	4662.7	4633.7
57.5°	5200.6	5249.3	5305.0	5475.4	5804.6	6107.2	5804.6	5514.8	5266.7	5207.6
60°	5840.6	5900.8	5954.2	6205.7	6695.0	7120.4	6685.7	6225.4	5897.4	5817.4
62.5°	6528.0	6605.7	6642.8	6922.2	7492.6	8000.3	7500.7	6943.1	6579.0	6493.2
65°	7187.7	7251.4	7293.2	7591.1	8136.0	8644.9	8173.1	7623.6	7249.1	7136.7
67.5°	7494.9	7529.7	7631.7	7969.0	8544.1	9124.9	8641.4	8005.0	7586.5	7389.4
70°	7045.1	6974.4	7220.1	7760.4	8592.7	9419.3	8704.0	7744.1	7231.7	6911.8
72.5°	5444.1	5322.4	5749.0	6672.9	8036.3	9231.5	8091.9	6725.1	6014.5	5365.2
75°	2962.0	2824.1	3413.0	4581.6	6408.6	8001.5	6555.8	4712.6	3800.2	2940.0
77.5°	835.9	783.7	1259.0	2216.6	3854.7	5618.0	4003.1	2265.3	1493.2	885.7
80°	256.2	248.1	336.2	667.8	1636.9	2690.7	1573.2	675.9	427.8	270.1
82.5°	151.9	139.1	166.9	243.5	417.3	845.1	405.8	253.9	204.0	136.8
85°	86.9	81.2	98.5	118.2	140.3	179.7	117.1	120.6	109.0	73.0
87.5°	35.9	32.5	38.3	37.1	32.5	41.7	31.3	37.1	44.1	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2034.6
2027.6
2002.1
1974.3
1961.5
1961.5
1969.7
1984.7
1999.8
2006.8
2013.7
2031.1
2070.5
2132.0
2230.5
2367.3
2537.7
2754.5
3010.7
3302.8
3654.1
4079.6
4588.5
5165.8
5747.8
6423.7
7081.0
7391.7
6988.3
5526.4
3131.3
984.2
285.2
148.4
76.5
26.7
0.0

OF REPORT)