

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: P848581

Luminaire Tested: **GLAN-SB5B-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848581
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-SB5B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22499 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

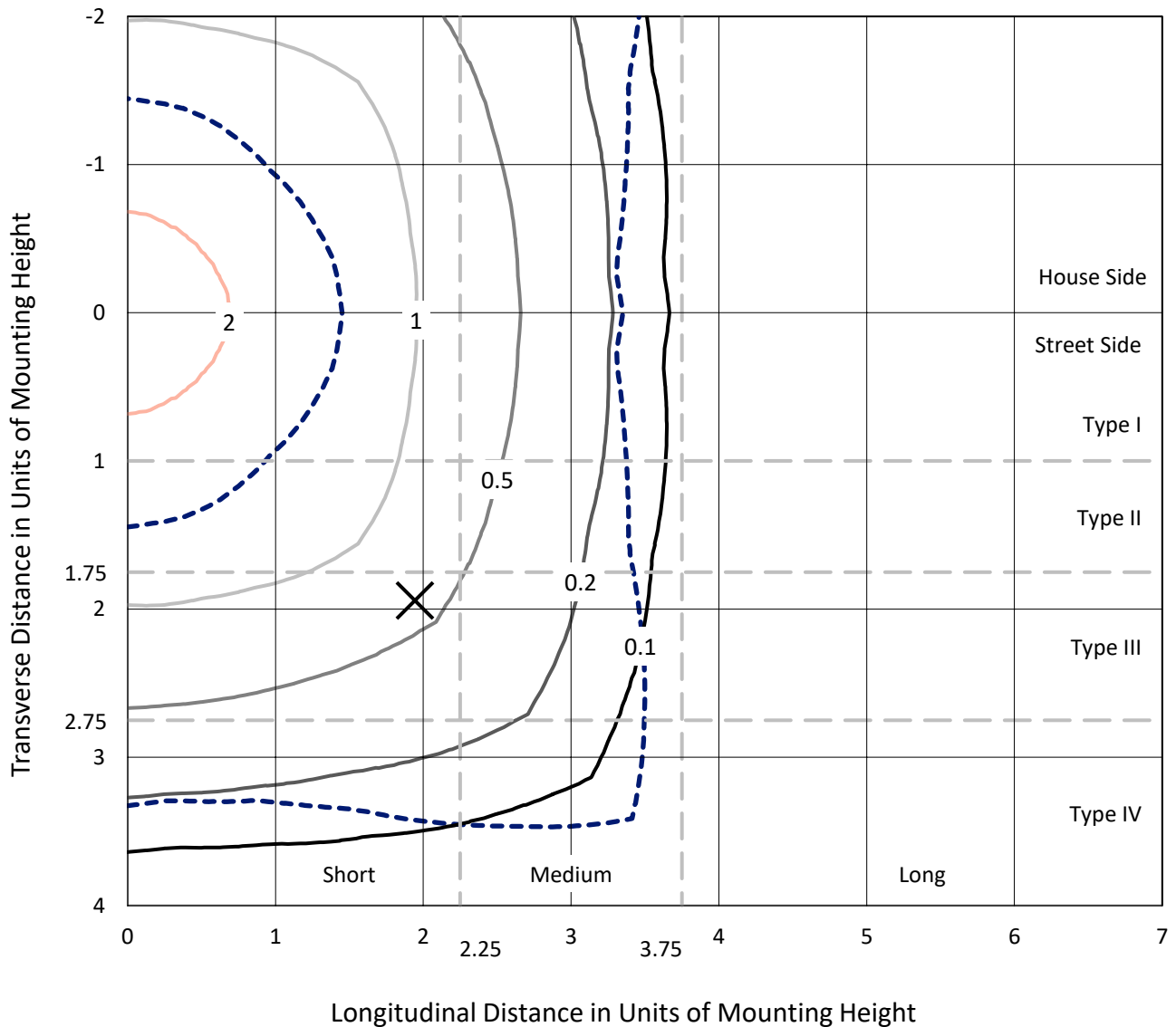
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

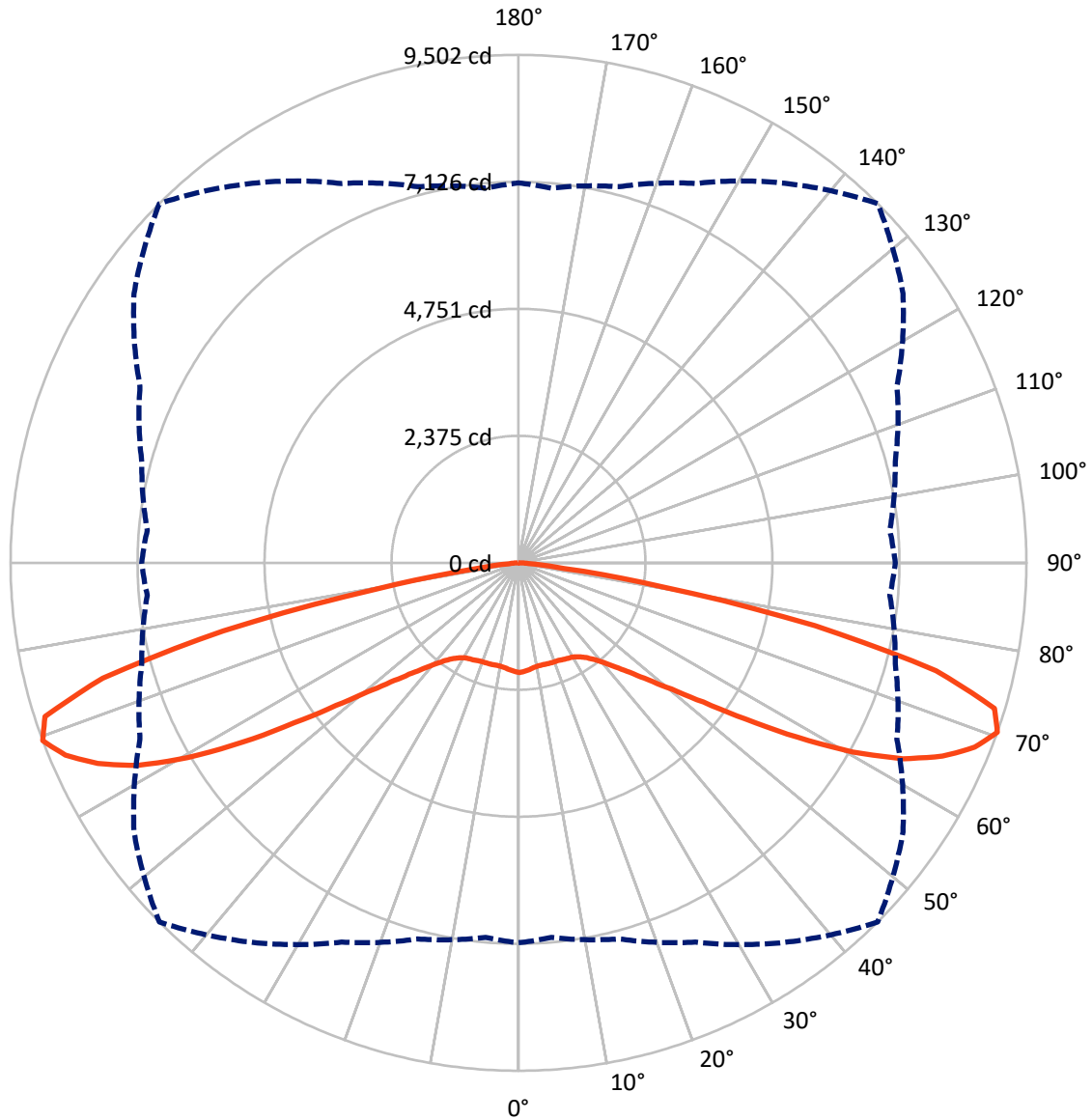
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	11249.5	0.0	11249.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11249.5	0.0	11249.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22499.0	0.0	22499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	0.8
10°-20°	560.6	2.5
20°-30°	932.9	4.1
30°-40°	1410.8	6.3
40°-50°	2344.4	10.4
50°-60°	4423.9	19.7
60°-70°	7469.9	33.2
70°-80°	4908.5	21.8
80°-90°	257.1	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°	22499.0	100.0
0°-180°	22499.0	100.0

Coefficient of Utilization



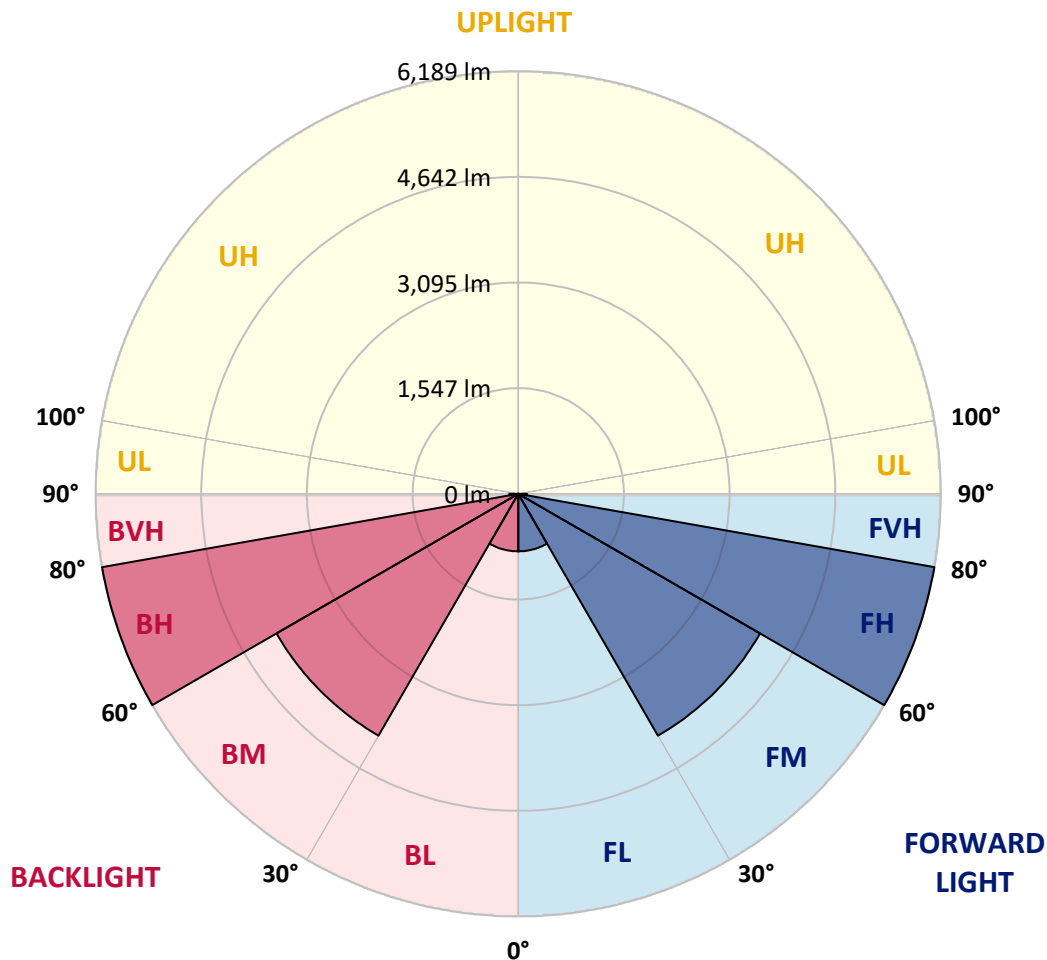
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.2	3.7			
FM (30°-60°)	4089.6	18.2			
FH (60°-80°)	6189.2	27.5			G3/7500
FVH (80°-90°)	128.6	0.6			G2/225
BL (0°-30°)	842.2	3.7	B2/1000		
BM (30°-60°)	4089.6	18.2	B3/5000		
BH (60°-80°)	6189.2	27.5	B5		G3/7500
BVH (80°-90°)	128.6	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°	2052.4	2052.4	2052.4	2052.4	2052.4	2052.4	2052.4	2052.4	2052.4	2052.4
2.5°	2039.5	2045.3	2043.0	2038.3	2038.3	2034.8	2038.3	2040.7	2044.2	2046.5
5°	2012.6	2017.3	2016.1	2012.6	2013.8	2010.3	2012.6	2016.1	2018.4	2019.6
7.5°	1989.2	1993.9	1991.6	1985.7	1985.7	1982.2	1983.4	1986.9	1990.4	1991.6
10°	1983.4	1988.0	1981.0	1971.7	1968.2	1963.5	1964.7	1968.2	1975.2	1978.7
12.5°	1985.7	1989.2	1982.2	1968.2	1964.7	1960.0	1960.0	1963.5	1972.8	1977.5
15°	1992.7	1996.2	1985.7	1970.5	1967.0	1963.5	1962.3	1967.0	1977.5	1985.7
17.5°	2005.6	2009.1	1992.7	1971.7	1967.0	1968.2	1967.0	1970.5	1986.9	2002.1
20°	2017.3	2019.6	1997.4	1971.7	1967.0	1968.2	1967.0	1974.0	1995.1	2016.1
22.5°	2020.8	2023.1	2002.1	1979.9	1976.3	1977.5	1976.3	1983.4	2003.2	2024.3
25°	2022.0	2025.5	2009.1	1991.6	1997.4	1999.7	1997.4	1998.6	2013.8	2032.5
27.5°	2039.5	2044.2	2029.0	2013.8	2017.3	2016.1	2019.6	2023.1	2034.8	2053.5
30°	2075.8	2079.3	2066.4	2051.2	2048.9	2040.7	2051.2	2062.9	2075.8	2092.1
32.5°	2135.4	2142.4	2126.0	2109.7	2099.1	2094.5	2102.6	2122.5	2140.1	2157.6
35°	2234.8	2239.5	2224.3	2193.9	2175.2	2175.2	2182.2	2207.9	2236.0	2258.2
37.5°	2375.1	2381.0	2354.1	2317.8	2289.8	2289.8	2299.1	2326.0	2368.1	2399.7
40°	2545.9	2554.1	2520.1	2482.7	2455.8	2451.1	2462.8	2493.2	2533.0	2572.8
42.5°	2751.7	2761.0	2716.6	2683.9	2662.8	2662.8	2668.7	2696.7	2733.0	2782.1
45°	3014.8	3031.2	2970.4	2937.6	2917.7	2922.4	2925.9	2950.5	2983.2	3039.4
47.5°	3328.2	3344.6	3280.3	3246.4	3242.8	3265.1	3251.0	3268.6	3286.1	3350.4
50°	3683.7	3711.8	3667.4	3665.0	3672.0	3713.0	3680.2	3689.6	3669.7	3710.6
52.5°	4118.8	4159.7	4151.5	4165.5	4243.9	4328.1	4253.2	4220.5	4145.7	4158.5
55°	4646.2	4708.2	4719.8	4804.0	4981.8	5153.7	4994.7	4862.5	4703.5	4674.2
57.5°	5246.1	5295.2	5351.3	5523.3	5855.4	6160.6	5855.4	5563.0	5312.8	5253.1
60°	5891.6	5952.4	6006.2	6260.0	6753.5	7182.7	6744.1	6279.9	5948.9	5868.2
62.5°	6585.1	6663.5	6700.9	6982.7	7558.1	8070.3	7566.3	7003.8	6636.6	6550.0
65°	7250.5	7314.8	7356.9	7657.5	8207.1	8720.5	8244.5	7690.2	7312.5	7199.1
67.5°	7560.4	7595.5	7698.4	8038.7	8618.8	9204.6	8717.0	8075.0	7652.8	7454.0
70°	7106.7	7035.3	7283.3	7828.2	8667.9	9501.7	8780.1	7811.8	7294.9	6972.2
72.5°	5491.7	5368.9	5799.2	6731.3	8106.5	9312.2	8162.7	6783.9	6067.0	5412.2
75°	2987.9	2848.7	3442.8	4621.6	6464.6	8071.5	6613.2	4753.8	3833.4	2965.7
77.5°	843.2	790.5	1270.0	2236.0	3888.4	5667.1	4038.1	2285.1	1506.2	893.4
80°	258.4	250.3	339.1	673.6	1651.2	2714.3	1586.9	681.8	431.5	272.5
82.5°	153.2	140.3	168.4	245.6	421.0	852.5	409.3	256.1	205.8	138.0
85°	87.7	81.9	99.4	119.3	141.5	181.3	118.1	121.6	109.9	73.7
87.5°	36.3	32.7	38.6	37.4	32.7	42.1	31.6	37.4	44.4	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2052.4
2045.3
2019.6
1991.6
1978.7
1978.7
1986.9
2002.1
2017.3
2024.3
2031.3
2048.9
2088.6
2150.6
2250.0
2388.0
2559.9
2778.6
3037.0
3331.7
3686.1
4115.2
4628.6
5211.0
5798.1
6479.8
7142.9
7456.3
7049.4
5574.7
3158.6
992.9
287.7
149.7
77.2
26.9
0.0

OF REPORT)