

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: P848651

Luminaire Tested: **GLAN-SB5B-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848651
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-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22940 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

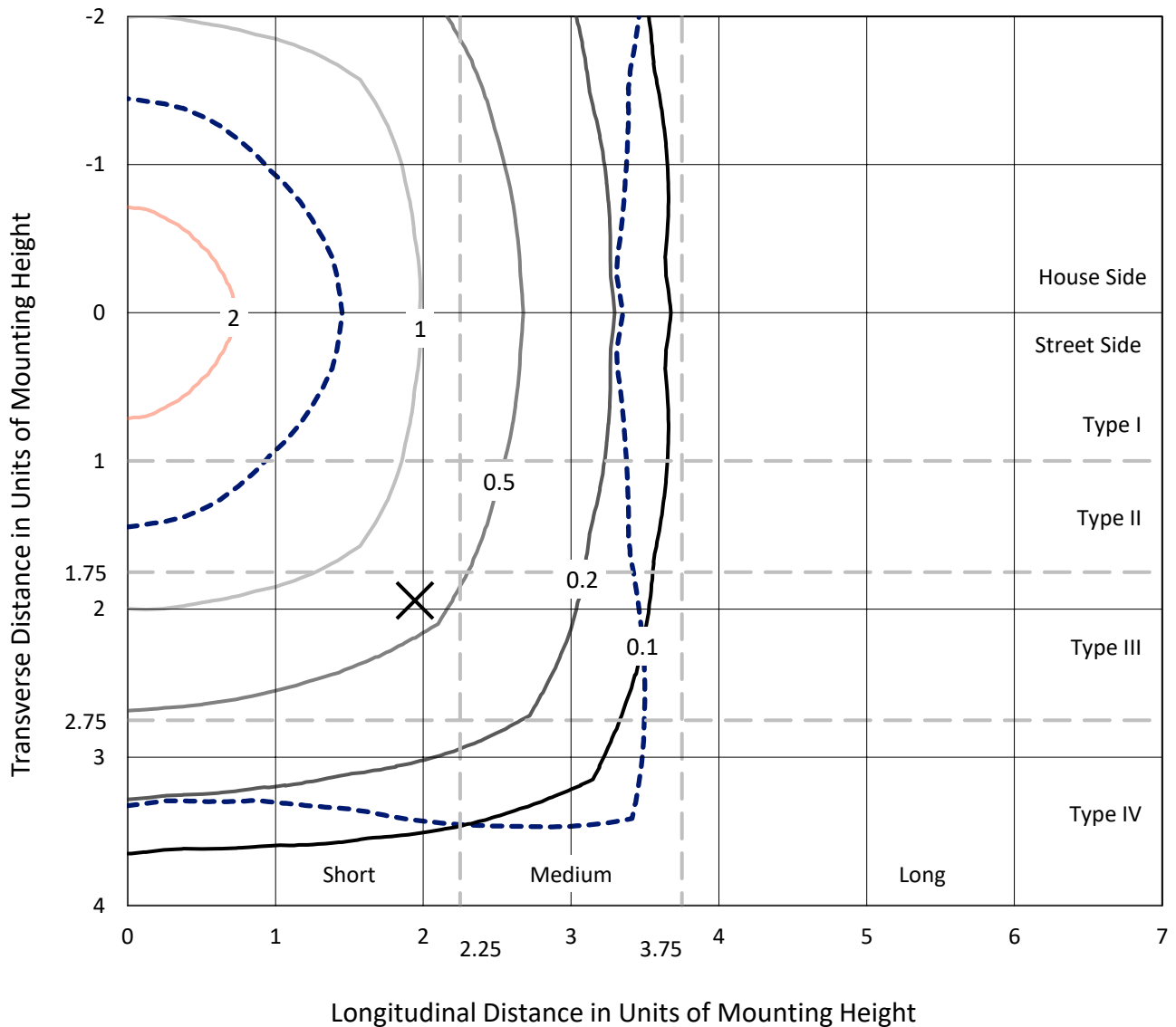
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

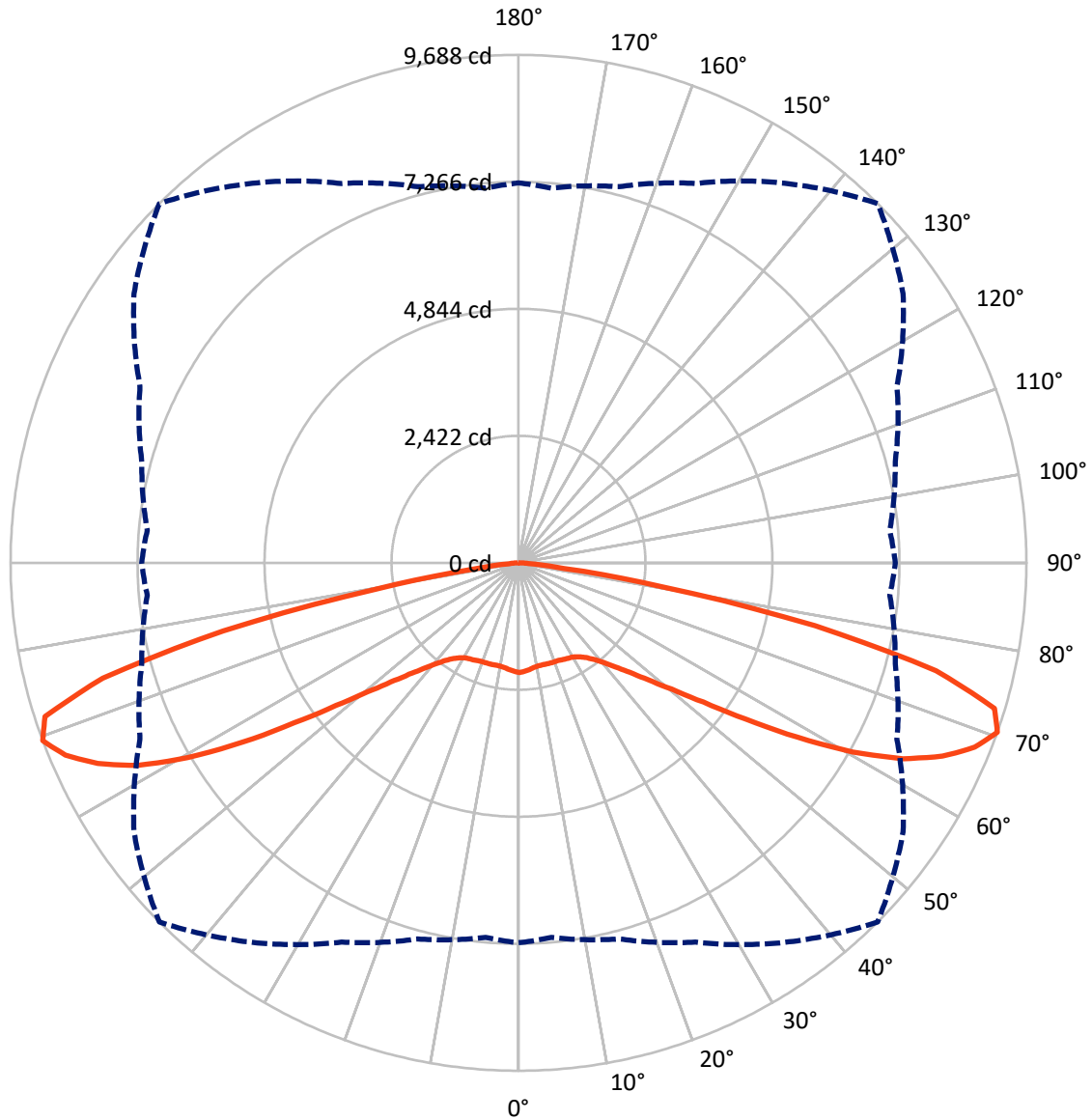
✕ Max cd
 - - - 1/2 Max cd



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	11470.0	0.0	11470.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11470.0	0.0	11470.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22940.0	0.0	22940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	0.8
10°-20°	571.6	2.5
20°-30°	951.2	4.1
30°-40°	1438.5	6.3
40°-50°	2390.4	10.4
50°-60°	4510.6	19.7
60°-70°	7616.3	33.2
70°-80°	5004.7	21.8
80°-90°	262.2	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°	22940.0	100.0
0°-180°	22940.0	100.0

Coefficient of Utilization



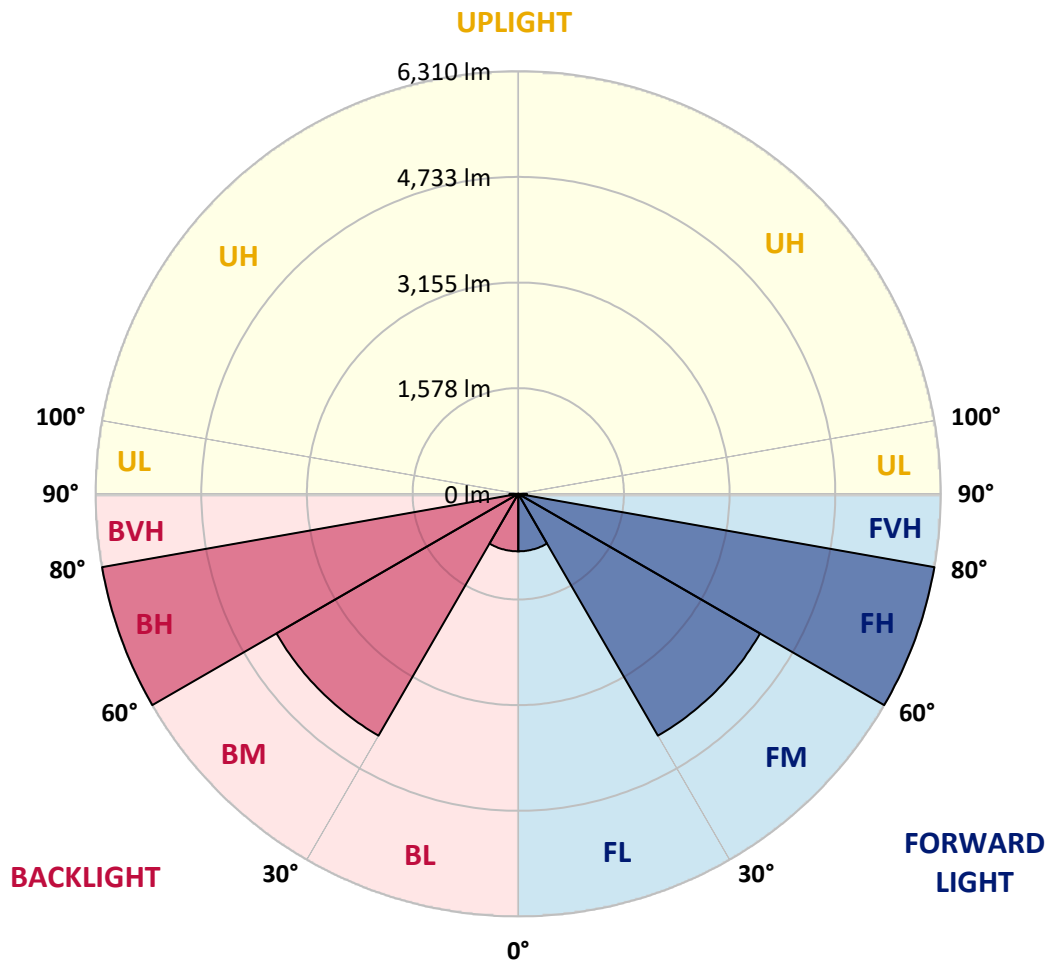
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	858.7	3.7			
FM (30°-60°)	4169.7	18.2			
FH (60°-80°)	6310.5	27.5			G3/7500
FVH (80°-90°)	131.1	0.6			G2/225
BL (0°-30°)	858.7	3.7	B2/1000		
BM (30°-60°)	4169.7	18.2	B3/5000		
BH (60°-80°)	6310.5	27.5	B5		G3/7500
BVH (80°-90°)	131.1	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°	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6	2092.6
2.5°	2079.5	2085.4	2083.1	2078.3	2078.3	2074.7	2078.3	2080.7	2084.2	2086.6
5°	2052.0	2056.8	2055.6	2052.0	2053.2	2049.7	2052.0	2055.6	2058.0	2059.2
7.5°	2028.2	2033.0	2030.6	2024.6	2024.6	2021.0	2022.2	2025.8	2029.4	2030.6
10°	2022.2	2027.0	2019.9	2010.3	2006.7	2002.0	2003.2	2006.7	2013.9	2017.5
12.5°	2024.6	2028.2	2021.0	2006.7	2003.2	1998.4	1998.4	2002.0	2011.5	2016.3
15°	2031.8	2035.4	2024.6	2009.1	2005.5	2002.0	2000.8	2005.5	2016.3	2024.6
17.5°	2044.9	2048.5	2031.8	2010.3	2005.5	2006.7	2005.5	2009.1	2025.8	2041.3
20°	2056.8	2059.2	2036.5	2010.3	2005.5	2006.7	2005.5	2012.7	2034.2	2055.6
22.5°	2060.4	2062.8	2041.3	2018.7	2015.1	2016.3	2015.1	2022.2	2042.5	2064.0
25°	2061.6	2065.2	2048.5	2030.6	2036.5	2038.9	2036.5	2037.7	2053.2	2072.3
27.5°	2079.5	2084.2	2068.7	2053.2	2056.8	2055.6	2059.2	2062.8	2074.7	2093.8
30°	2116.4	2120.0	2106.9	2091.4	2089.0	2080.7	2091.4	2103.3	2116.4	2133.1
32.5°	2177.2	2184.4	2167.7	2151.0	2140.3	2135.5	2143.9	2164.1	2182.0	2199.9
35°	2278.6	2283.4	2267.9	2236.9	2217.8	2217.8	2224.9	2251.2	2279.8	2302.4
37.5°	2421.7	2427.6	2400.2	2363.3	2334.6	2334.6	2344.2	2371.6	2414.5	2446.7
40°	2595.8	2604.1	2569.5	2531.4	2504.0	2499.2	2511.1	2542.1	2582.6	2623.2
42.5°	2805.6	2815.2	2769.8	2736.5	2715.0	2715.0	2721.0	2749.6	2786.5	2836.6
45°	3073.9	3090.6	3028.6	2995.2	2974.9	2979.7	2983.3	3008.3	3041.7	3098.9
47.5°	3393.5	3410.1	3344.6	3310.0	3306.4	3329.1	3314.8	3332.6	3350.5	3416.1
50°	3755.9	3784.5	3739.2	3736.9	3744.0	3785.7	3752.4	3761.9	3741.6	3783.4
52.5°	4199.5	4241.2	4232.9	4247.2	4327.1	4412.9	4336.6	4303.2	4226.9	4240.0
55°	4737.2	4800.4	4812.4	4898.2	5079.4	5254.7	5092.6	4957.8	4795.7	4765.9
57.5°	5348.9	5399.0	5456.2	5631.5	5970.1	6281.3	5970.1	5672.1	5416.9	5356.1
60°	6007.1	6069.1	6124.0	6382.7	6885.9	7323.5	6876.3	6403.0	6065.5	5983.3
62.5°	6714.2	6794.1	6832.2	7119.6	7706.2	8228.5	7714.6	7141.0	6766.6	6678.4
65°	7392.6	7458.2	7501.1	7807.6	8368.0	8891.4	8406.1	7841.0	7455.8	7340.2
67.5°	7708.6	7744.4	7849.3	8196.3	8787.7	9385.1	8887.8	8233.2	7802.8	7600.1
70°	7246.0	7173.2	7426.0	7981.7	8837.8	9687.9	8952.2	7965.0	7437.9	7108.8
72.5°	5599.3	5474.1	5912.9	6863.2	8265.4	9494.8	8322.7	6916.9	6186.0	5518.2
75°	3046.5	2904.6	3510.3	4712.2	6591.4	8229.7	6742.8	4846.9	3908.6	3023.8
77.5°	859.7	806.0	1294.9	2279.8	3964.6	5778.2	4117.2	2329.9	1535.8	911.0
80°	263.5	255.2	345.8	686.8	1683.6	2767.5	1618.0	695.1	440.0	277.8
82.5°	156.2	143.1	171.7	250.4	429.2	869.2	417.3	261.1	209.9	140.7
85°	89.4	83.5	101.4	121.6	144.3	184.8	120.4	124.0	112.1	75.1
87.5°	37.0	33.4	39.3	38.2	33.4	42.9	32.2	38.2	45.3	29.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2092.6
2085.4
2059.2
2030.6
2017.5
2017.5
2025.8
2041.3
2056.8
2064.0
2071.1
2089.0
2129.6
2192.7
2294.1
2434.8
2610.1
2833.0
3096.6
3397.0
3758.3
4195.9
4719.4
5313.2
5911.7
6606.9
7282.9
7602.5
7187.5
5684.0
3220.6
1012.3
293.3
152.6
78.7
27.4
0.0

OF REPORT)