

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: P848141

Luminaire Tested: **GLAN-SB4C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848141
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-SB4C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24206 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

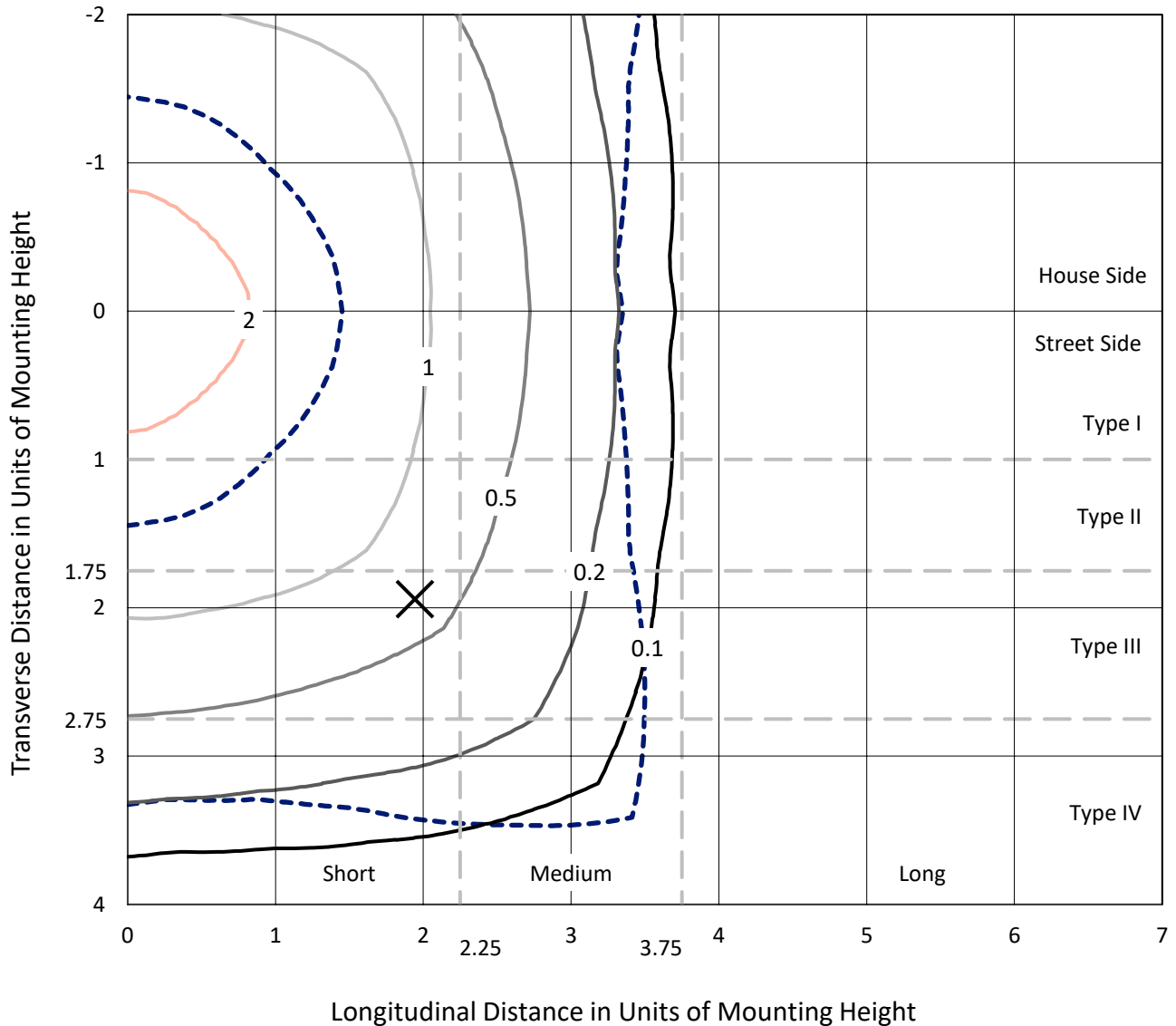
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

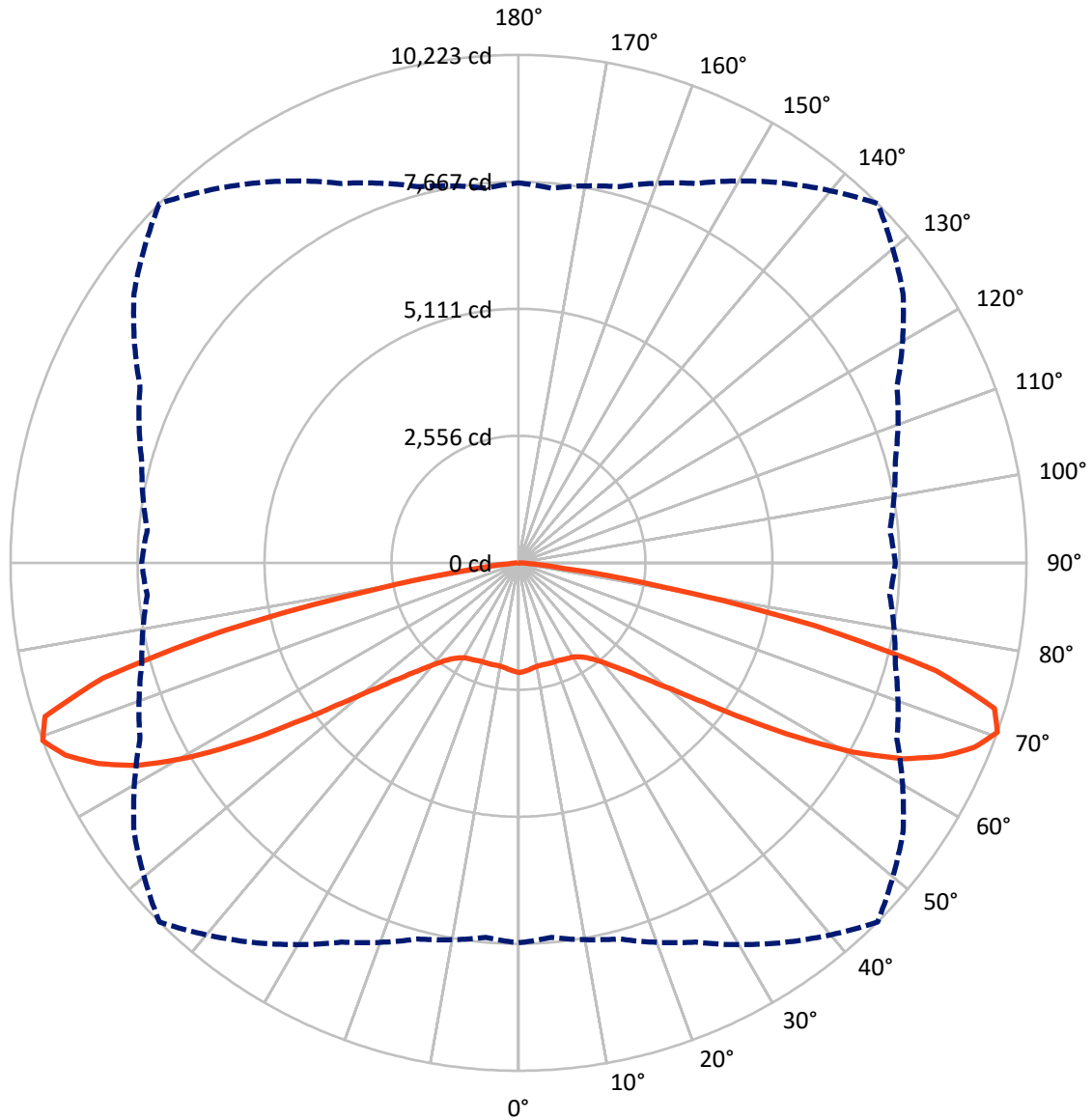
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	12103.0	0.0	12103.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12103.0	0.0	12103.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24206.0	0.0	24206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	0.8
10°-20°	603.1	2.5
20°-30°	1003.7	4.1
30°-40°	1517.8	6.3
40°-50°	2522.3	10.4
50°-60°	4759.5	19.7
60°-70°	8036.6	33.2
70°-80°	5280.9	21.8
80°-90°	276.7	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°	24206.0	100.0
0°-180°	24206.0	100.0

Coefficient of Utilization



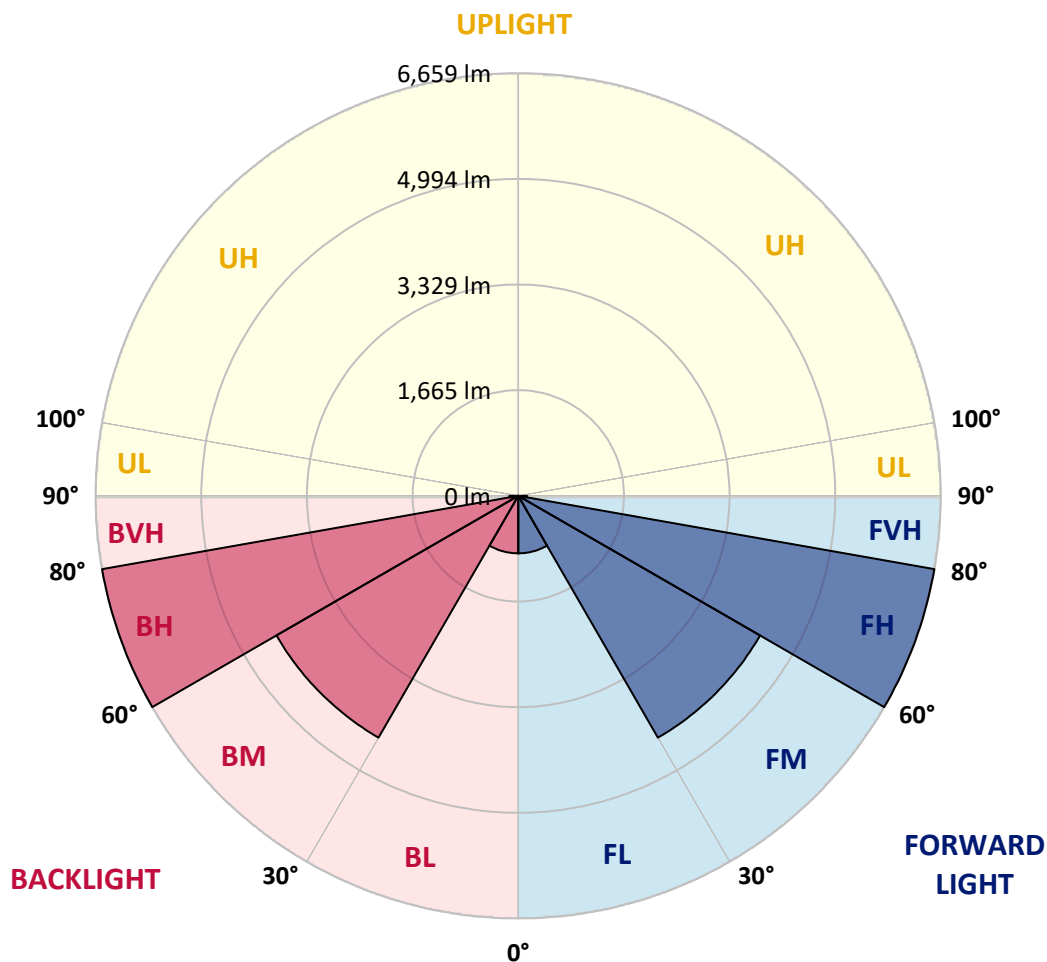
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.1	3.7			
FM (30°-60°)	4399.8	18.2			
FH (60°-80°)	6658.7	27.5			G3/7500
FVH (80°-90°)	138.3	0.6			G2/225
BL (0°-30°)	906.1	3.7	B2/1000		
BM (30°-60°)	4399.8	18.2	B3/5000		
BH (60°-80°)	6658.7	27.5	B5		G3/7500
BVH (80°-90°)	138.3	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°	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1
2.5°	2194.2	2200.5	2198.0	2193.0	2193.0	2189.2	2193.0	2195.5	2199.3	2201.8
5°	2165.3	2170.3	2169.1	2165.3	2166.6	2162.8	2165.3	2169.1	2171.6	2172.8
7.5°	2140.1	2145.2	2142.7	2136.4	2136.4	2132.6	2133.8	2137.6	2141.4	2142.7
10°	2133.8	2138.9	2131.3	2121.3	2117.5	2112.5	2113.7	2117.5	2125.0	2128.8
12.5°	2136.4	2140.1	2132.6	2117.5	2113.7	2108.7	2108.7	2112.5	2122.5	2127.6
15°	2143.9	2147.7	2136.4	2120.0	2116.2	2112.5	2111.2	2116.2	2127.6	2136.4
17.5°	2157.7	2161.5	2143.9	2121.3	2116.2	2117.5	2116.2	2120.0	2137.6	2154.0
20°	2170.3	2172.8	2148.9	2121.3	2116.2	2117.5	2116.2	2123.8	2146.4	2169.1
22.5°	2174.1	2176.6	2154.0	2130.1	2126.3	2127.6	2126.3	2133.8	2155.2	2177.9
25°	2175.4	2179.1	2161.5	2142.7	2148.9	2151.5	2148.9	2150.2	2166.6	2186.7
27.5°	2194.2	2199.3	2182.9	2166.6	2170.3	2169.1	2172.8	2176.6	2189.2	2209.3
30°	2233.2	2237.0	2223.2	2206.8	2204.3	2195.5	2206.8	2219.4	2233.2	2250.9
32.5°	2297.4	2305.0	2287.3	2269.7	2258.4	2253.4	2262.2	2283.6	2302.4	2321.3
35°	2404.3	2409.4	2393.0	2360.3	2340.2	2340.2	2347.7	2375.4	2405.6	2429.5
37.5°	2555.3	2561.6	2532.7	2493.7	2463.5	2463.5	2473.5	2502.5	2547.8	2581.7
40°	2739.0	2747.8	2711.3	2671.1	2642.1	2637.1	2649.7	2682.4	2725.2	2768.0
42.5°	2960.5	2970.5	2922.7	2887.5	2864.8	2864.8	2871.1	2901.3	2940.3	2993.2
45°	3243.5	3261.2	3195.7	3160.5	3139.1	3144.1	3147.9	3174.3	3209.6	3270.0
47.5°	3580.7	3598.3	3529.1	3492.7	3488.9	3512.8	3497.7	3516.6	3535.4	3604.6
50°	3963.2	3993.4	3945.6	3943.1	3950.6	3994.7	3959.4	3969.5	3948.1	3992.1
52.5°	4431.2	4475.3	4466.5	4481.6	4565.9	4656.5	4575.9	4540.7	4460.2	4474.0
55°	4998.7	5065.4	5077.9	5168.5	5359.8	5544.7	5373.6	5231.4	5060.3	5028.9
57.5°	5644.1	5697.0	5757.3	5942.3	6299.6	6628.0	6299.6	5985.1	5715.8	5651.7
60°	6338.6	6404.0	6461.9	6734.9	7265.9	7727.6	7255.8	6756.3	6400.3	6313.5
62.5°	7084.7	7169.0	7209.3	7512.5	8131.5	8682.6	8140.3	7535.1	7140.1	7047.0
65°	7800.6	7869.8	7915.1	8238.4	8829.8	9382.1	8870.0	8273.7	7867.3	7745.2
67.5°	8134.0	8171.8	8282.5	8648.6	9272.7	9903.0	9378.3	8687.6	8233.4	8019.5
70°	7645.9	7569.1	7835.8	8422.1	9325.5	10222.6	9446.3	8404.5	7848.4	7501.2
72.5°	5908.3	5776.2	6239.2	7242.0	8721.6	10018.7	8782.0	7298.6	6527.3	5822.8
75°	3214.6	3064.9	3704.0	4972.3	6955.1	8683.8	7114.9	5114.4	4124.3	3190.7
77.5°	907.1	850.5	1366.4	2405.6	4183.4	6097.1	4344.4	2458.4	1620.5	961.2
80°	278.1	269.2	364.9	724.7	1776.5	2920.2	1707.3	733.5	464.3	293.2
82.5°	164.8	151.0	181.2	264.2	452.9	917.2	440.4	275.5	221.4	148.5
85°	94.4	88.1	106.9	128.3	152.2	195.0	127.1	130.8	118.3	79.3
87.5°	39.0	35.2	41.5	40.3	35.2	45.3	34.0	40.3	47.8	31.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2208.1
2200.5
2172.8
2142.7
2128.8
2128.8
2137.6
2154.0
2170.3
2177.9
2185.4
2204.3
2247.1
2313.8
2420.7
2569.2
2754.1
2989.4
3267.4
3584.5
3965.7
4427.5
4979.8
5606.4
6238.0
6971.5
7684.9
8022.0
7584.2
5997.7
3398.3
1068.2
309.5
161.0
83.0
28.9
0.0

OF REPORT)