

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: P848871

Luminaire Tested: **GLAN-SB5C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848871
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-SB5C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 24643 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

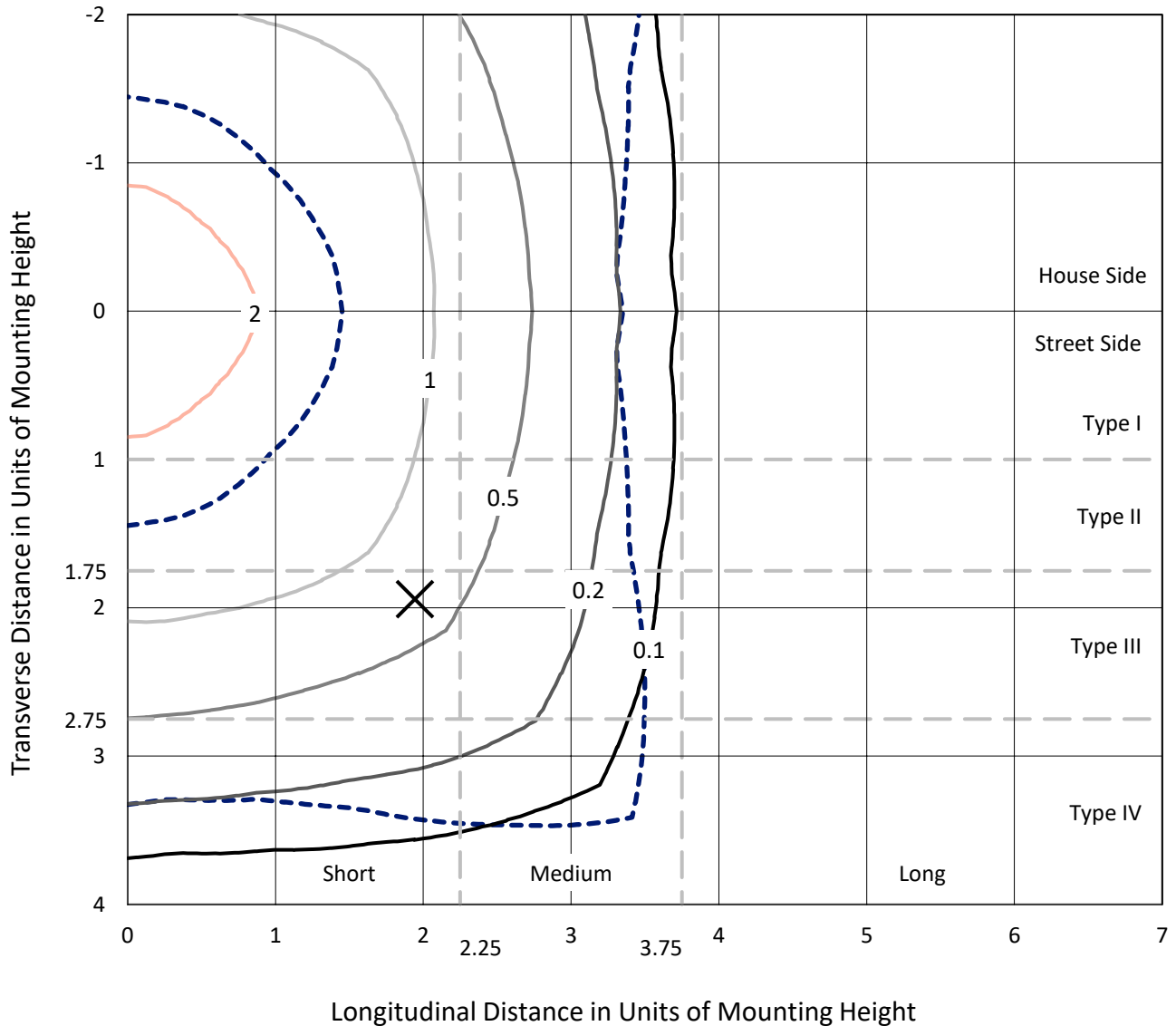
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

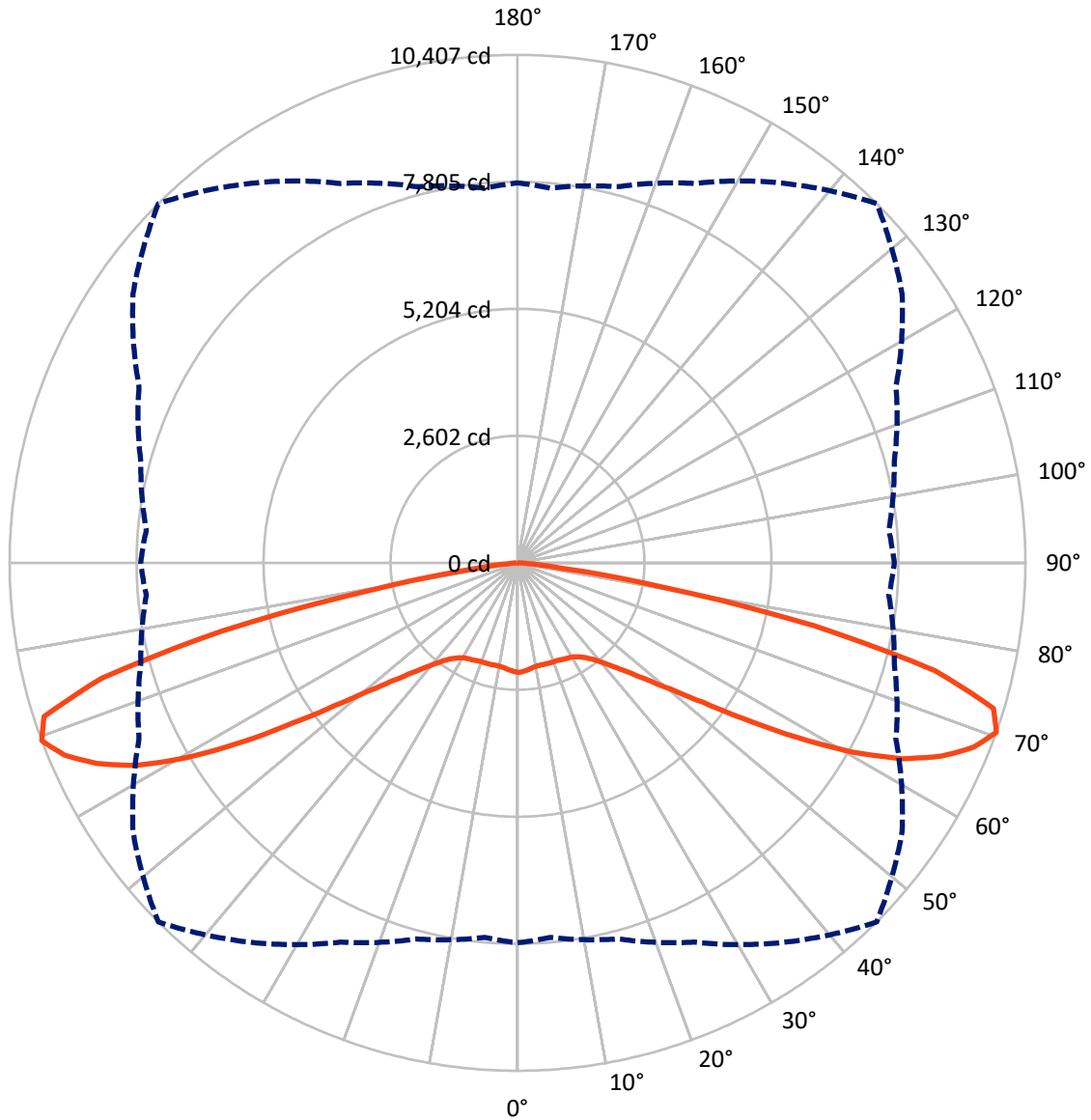
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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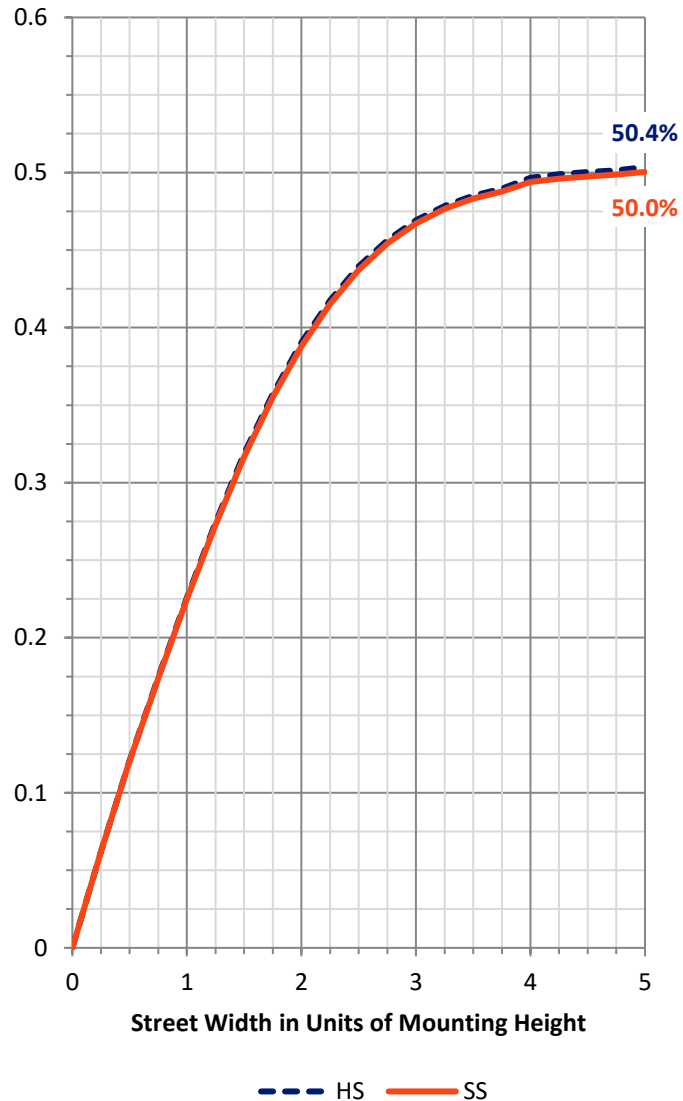
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12321.5	0.0	12321.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12321.5	0.0	12321.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24643.0	0.0	24643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	0.8
10°-20°	614.0	2.5
20°-30°	1021.8	4.1
30°-40°	1545.3	6.3
40°-50°	2567.8	10.4
50°-60°	4845.4	19.7
60°-70°	8181.7	33.2
70°-80°	5376.2	21.8
80°-90°	281.7	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°	24643.0	100.0
0°-180°	24643.0	100.0

Coefficient of Utilization



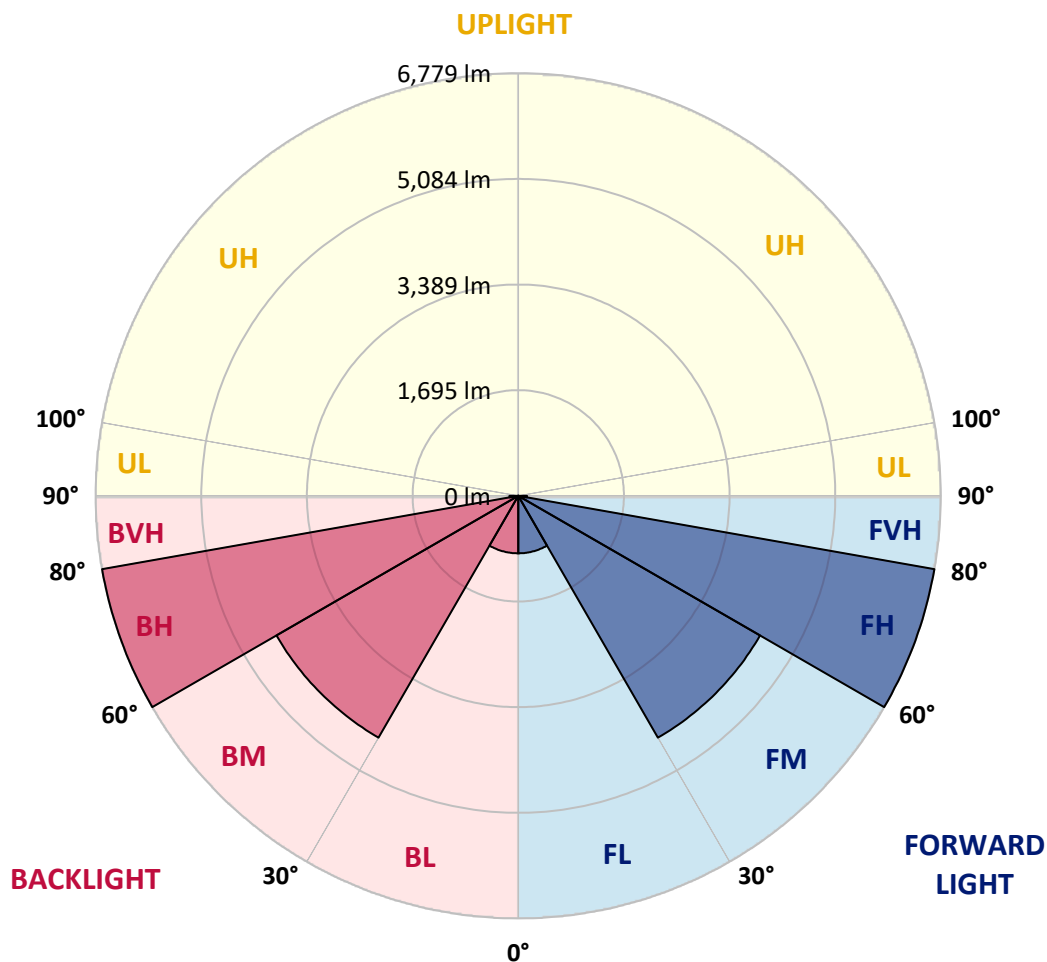
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.4	3.7			
FM (30°-60°)	4479.3	18.2			
FH (60°-80°)	6779.0	27.5			G3/7500
FVH (80°-90°)	140.8	0.6			G2/225
BL (0°-30°)	922.4	3.7	B2/1000		
BM (30°-60°)	4479.3	18.2	B3/5000		
BH (60°-80°)	6779.0	27.5	B5		G3/7500
BVH (80°-90°)	140.8	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°	2247.9	2247.9	2247.9	2247.9	2247.9	2247.9	2247.9	2247.9	2247.9	2247.9
2.5°	2233.8	2240.3	2237.7	2232.6	2232.6	2228.7	2232.6	2235.1	2239.0	2241.5
5°	2204.4	2209.5	2208.2	2204.4	2205.7	2201.8	2204.4	2208.2	2210.8	2212.1
7.5°	2178.8	2183.9	2181.3	2174.9	2174.9	2171.1	2172.4	2176.2	2180.1	2181.3
10°	2172.4	2177.5	2169.8	2159.6	2155.7	2150.6	2151.9	2155.7	2163.4	2167.2
12.5°	2174.9	2178.8	2171.1	2155.7	2151.9	2146.7	2146.7	2150.6	2160.8	2166.0
15°	2182.6	2186.5	2174.9	2158.3	2154.4	2150.6	2149.3	2154.4	2166.0	2174.9
17.5°	2196.7	2200.5	2182.6	2159.6	2154.4	2155.7	2154.4	2158.3	2176.2	2192.9
20°	2209.5	2212.1	2187.7	2159.6	2154.4	2155.7	2154.4	2162.1	2185.2	2208.2
22.5°	2213.4	2215.9	2192.9	2168.5	2164.7	2166.0	2164.7	2172.4	2194.1	2217.2
25°	2214.6	2218.5	2200.5	2181.3	2187.7	2190.3	2187.7	2189.0	2205.7	2226.2
27.5°	2233.8	2239.0	2222.3	2205.7	2209.5	2208.2	2212.1	2215.9	2228.7	2249.2
30°	2273.6	2277.4	2263.3	2246.7	2244.1	2235.1	2246.7	2259.5	2273.6	2291.5
32.5°	2338.9	2346.6	2328.6	2310.7	2299.2	2294.0	2303.0	2324.8	2344.0	2363.2
35°	2447.8	2452.9	2436.2	2402.9	2382.4	2382.4	2390.1	2418.3	2449.0	2473.4
37.5°	2601.5	2607.9	2578.4	2538.7	2508.0	2508.0	2518.2	2547.7	2593.8	2628.4
40°	2788.5	2797.4	2760.3	2719.3	2689.8	2684.7	2697.5	2730.8	2774.4	2817.9
42.5°	3013.9	3024.1	2975.5	2939.6	2916.6	2916.6	2923.0	2953.7	2993.4	3047.2
45°	3302.1	3320.0	3253.4	3217.6	3195.8	3200.9	3204.8	3231.7	3267.5	3329.0
47.5°	3645.4	3663.3	3592.9	3555.7	3551.9	3576.2	3560.8	3580.0	3599.3	3669.7
50°	4034.8	4065.5	4016.8	4014.3	4022.0	4066.8	4030.9	4041.2	4019.4	4064.2
52.5°	4511.2	4556.1	4547.1	4562.5	4648.3	4740.5	4658.5	4622.7	4540.7	4554.8
55°	5088.9	5156.8	5169.6	5261.8	5456.5	5644.8	5470.6	5325.9	5151.7	5119.7
57.5°	5746.0	5799.8	5861.3	6049.6	6413.3	6747.7	6413.3	6093.1	5819.0	5753.7
60°	6453.1	6519.7	6578.6	6856.5	7397.1	7867.1	7386.8	6878.3	6515.8	6427.4
62.5°	7212.6	7298.4	7339.4	7648.1	8278.3	8839.3	8287.3	7671.2	7269.0	7174.2
65°	7941.4	8011.9	8058.0	8387.2	8989.2	9551.5	9030.2	8423.0	8009.3	7885.1
67.5°	8280.9	8319.3	8432.0	8804.7	9440.1	10081.8	9547.7	8844.5	8382.1	8164.3
70°	7783.9	7705.8	7977.3	8574.2	9493.9	10407.1	9616.8	8556.3	7990.1	7636.6
72.5°	6015.0	5880.5	6351.9	7372.7	8879.0	10199.6	8940.5	7430.4	6645.2	5927.9
75°	3272.6	3120.2	3770.9	5062.0	7080.7	8840.6	7243.4	5206.8	4198.7	3248.3
77.5°	923.5	865.9	1391.0	2449.0	4258.9	6207.1	4422.9	2502.8	1649.8	978.6
80°	283.1	274.1	371.5	737.8	1808.6	2972.9	1738.1	746.8	472.6	298.4
82.5°	167.8	153.7	184.4	269.0	461.1	933.8	448.3	280.5	225.4	151.1
85°	96.1	89.7	108.9	130.6	155.0	198.5	129.4	133.2	120.4	80.7
87.5°	39.7	35.9	42.3	41.0	35.9	46.1	34.6	41.0	48.7	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2247.9
2240.3
2212.1
2181.3
2167.2
2167.2
2176.2
2192.9
2209.5
2217.2
2224.9
2244.1
2287.6
2355.5
2464.4
2615.5
2803.8
3043.4
3326.4
3649.2
4037.3
4507.4
5069.7
5707.6
6350.6
7097.3
7823.6
8166.9
7721.1
6105.9
3459.6
1087.5
315.1
164.0
84.5
29.5
0.0

OF REPORT)