

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: P850581

Luminaire Tested: **GLAN-SB8A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850581
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-SB8A-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24753 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

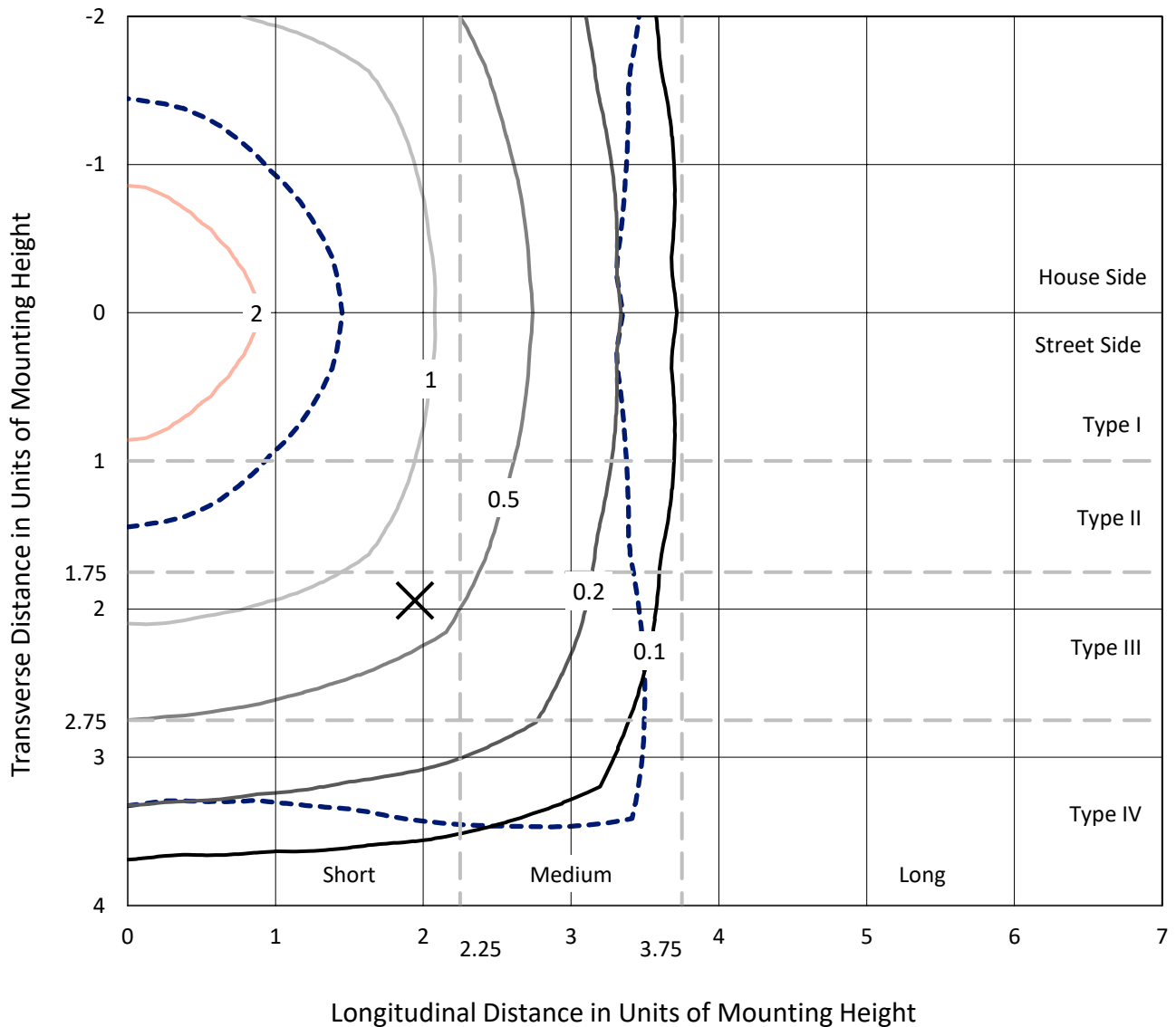
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

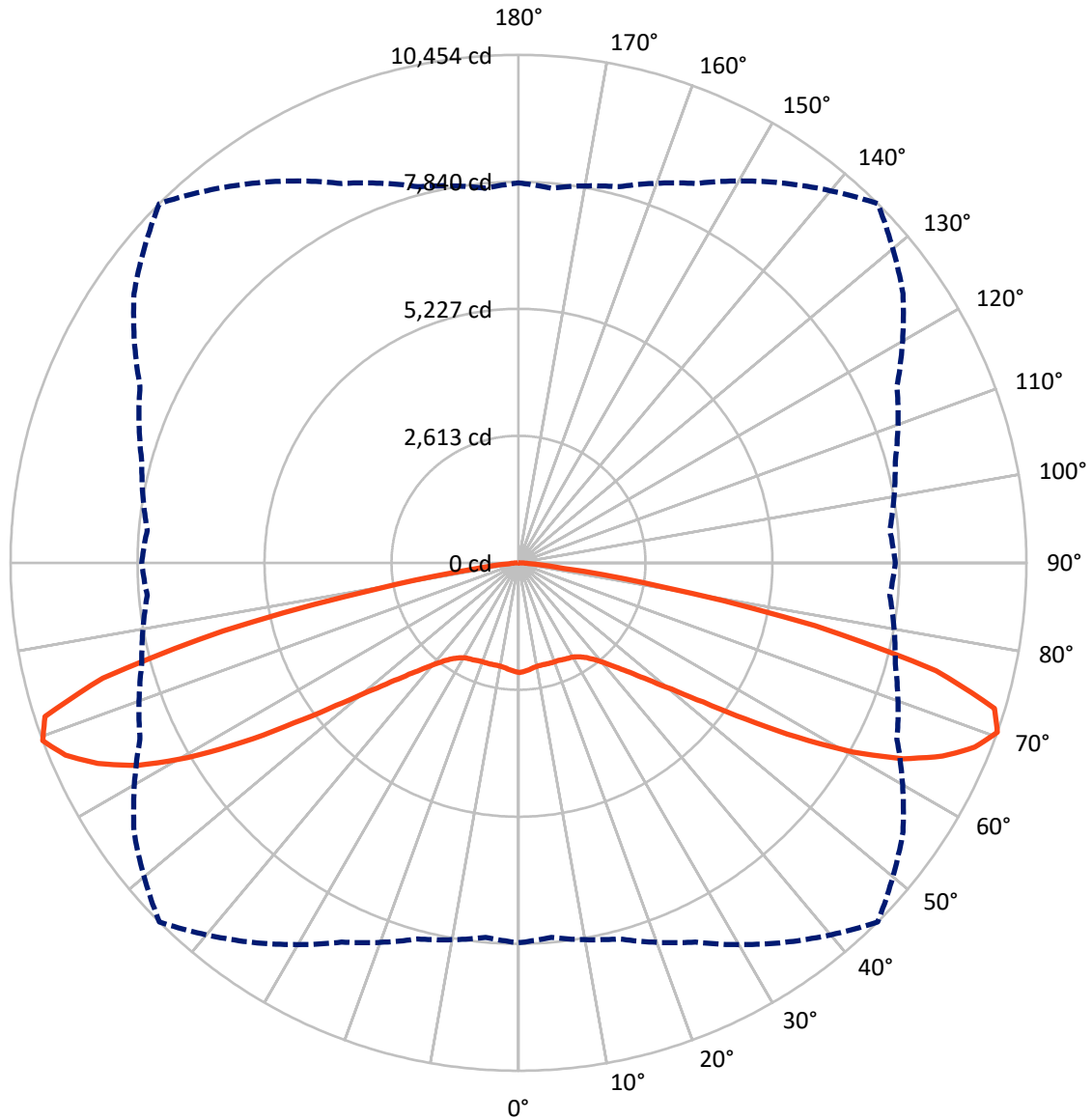
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	12376.5	0.0	12376.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12376.5	0.0	12376.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24753.0	0.0	24753.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.0	0.8
10°-20°	616.7	2.5
20°-30°	1026.3	4.1
30°-40°	1552.2	6.3
40°-50°	2579.3	10.4
50°-60°	4867.1	19.7
60°-70°	8218.2	33.2
70°-80°	5400.2	21.8
80°-90°	282.9	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°	24753.0	100.0
0°-180°	24753.0	100.0

Coefficient of Utilization



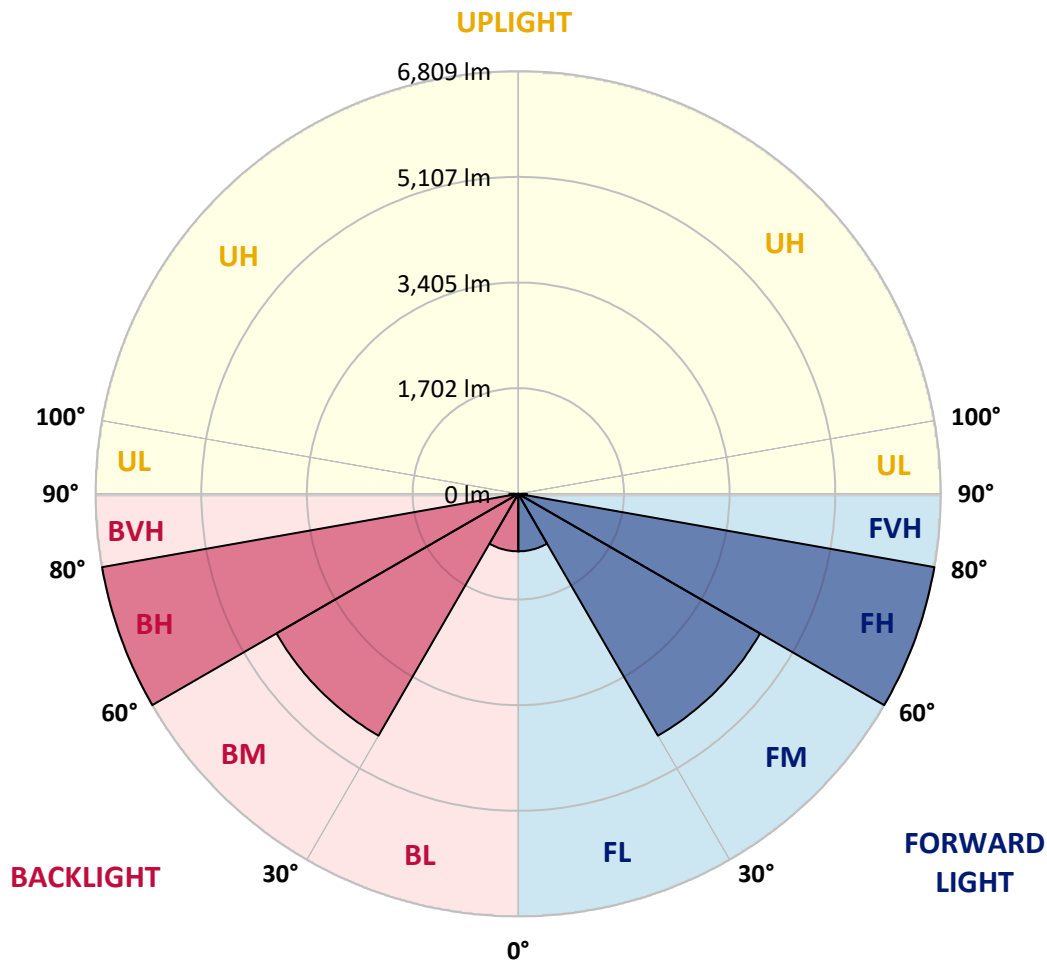
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.6	3.7			
FM (30°-60°)	4499.3	18.2			
FH (60°-80°)	6809.2	27.5			G3/7500
FVH (80°-90°)	141.5	0.6			G2/225
BL (0°-30°)	926.6	3.7	B2/1000		
BM (30°-60°)	4499.3	18.2	B3/5000		
BH (60°-80°)	6809.2	27.5	B5		G3/7500
BVH (80°-90°)	141.5	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°	2258.0	2258.0	2258.0	2258.0	2258.0	2258.0	2258.0	2258.0	2258.0	2258.0
2.5°	2243.8	2250.3	2247.7	2242.5	2242.5	2238.7	2242.5	2245.1	2249.0	2251.5
5°	2214.2	2219.4	2218.1	2214.2	2215.5	2211.7	2214.2	2218.1	2220.7	2221.9
7.5°	2188.5	2193.6	2191.1	2184.6	2184.6	2180.8	2182.1	2185.9	2189.8	2191.1
10°	2182.1	2187.2	2179.5	2169.2	2165.3	2160.2	2161.5	2165.3	2173.1	2176.9
12.5°	2184.6	2188.5	2180.8	2165.3	2161.5	2156.3	2156.3	2160.2	2170.5	2175.6
15°	2192.4	2196.2	2184.6	2167.9	2164.1	2160.2	2158.9	2164.1	2175.6	2184.6
17.5°	2206.5	2210.4	2192.4	2169.2	2164.1	2165.3	2164.1	2167.9	2185.9	2202.6
20°	2219.4	2221.9	2197.5	2169.2	2164.1	2165.3	2164.1	2171.8	2194.9	2218.1
22.5°	2223.2	2225.8	2202.6	2178.2	2174.3	2175.6	2174.3	2182.1	2203.9	2227.1
25°	2224.5	2228.4	2210.4	2191.1	2197.5	2200.1	2197.5	2198.8	2215.5	2236.1
27.5°	2243.8	2249.0	2232.2	2215.5	2219.4	2218.1	2221.9	2225.8	2238.7	2259.3
30°	2283.7	2287.6	2273.4	2256.7	2254.1	2245.1	2256.7	2269.6	2283.7	2301.7
32.5°	2349.3	2357.0	2339.0	2321.0	2309.4	2304.3	2313.3	2335.2	2354.5	2373.8
35°	2458.7	2463.8	2447.1	2413.6	2393.1	2393.1	2400.8	2429.1	2460.0	2484.4
37.5°	2613.1	2619.5	2589.9	2550.0	2519.2	2519.2	2529.4	2559.0	2605.4	2640.1
40°	2800.9	2809.9	2772.6	2731.4	2701.8	2696.7	2709.6	2743.0	2786.8	2830.5
42.5°	3027.4	3037.6	2988.8	2952.7	2929.6	2929.6	2936.0	2966.9	3006.8	3060.8
45°	3316.8	3334.9	3267.9	3231.9	3210.1	3215.2	3219.1	3246.1	3282.1	3343.9
47.5°	3661.6	3679.7	3608.9	3571.6	3567.7	3592.2	3576.7	3596.0	3615.3	3686.1
50°	4052.8	4083.6	4034.8	4032.2	4039.9	4084.9	4048.9	4059.2	4037.3	4082.4
52.5°	4531.4	4576.4	4567.4	4582.8	4669.0	4761.7	4679.3	4643.3	4561.0	4575.1
55°	5111.6	5179.8	5192.7	5285.3	5480.9	5670.0	5495.0	5349.7	5174.7	5142.5
57.5°	5771.7	5825.7	5887.5	6076.6	6442.0	6777.8	6442.0	6120.3	5845.0	5779.4
60°	6481.9	6548.8	6607.9	6887.1	7430.1	7902.3	7419.8	6909.0	6544.9	6456.1
62.5°	7244.8	7331.0	7372.2	7682.3	8315.3	8878.8	8324.3	7705.4	7301.4	7206.2
65°	7976.9	8047.6	8094.0	8424.6	9029.3	9594.1	9070.5	8460.6	8045.1	7920.3
67.5°	8317.8	8356.4	8469.6	8844.0	9482.2	10126.8	9590.3	8883.9	8419.5	8200.7
70°	7818.6	7740.1	8012.9	8612.5	9536.2	10453.6	9659.7	8594.4	8025.8	7670.7
72.5°	6041.8	5906.8	6380.2	7405.6	8918.7	10245.1	8980.4	7463.5	6674.8	5954.4
75°	3287.2	3134.1	3787.7	5084.6	7112.3	8880.1	7275.7	5230.0	4217.5	3262.8
77.5°	927.6	869.7	1397.2	2460.0	4277.9	6234.8	4442.6	2514.0	1657.1	983.0
80°	284.3	275.3	373.1	741.1	1816.7	2986.2	1745.9	750.1	474.8	299.8
82.5°	168.5	154.4	185.3	270.2	463.2	937.9	450.3	281.8	226.4	151.8
85°	96.5	90.1	109.4	131.2	155.7	199.4	129.9	133.8	120.9	81.1
87.5°	39.9	36.0	42.5	41.2	36.0	46.3	34.7	41.2	48.9	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2258.0
2250.3
2221.9
2191.1
2176.9
2176.9
2185.9
2202.6
2219.4
2227.1
2234.8
2254.1
2297.9
2366.0
2475.4
2627.2
2816.4
3056.9
3341.3
3665.5
4055.3
4527.5
5092.3
5733.1
6378.9
7129.0
7858.5
8203.3
7755.6
6133.2
3475.1
1092.3
316.5
164.7
84.9
29.6
0.0

OF REPORT)