

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: P849841

Luminaire Tested: **GLAN-SB7A-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849841
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-SB7A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25728 lumens
Efficiency: N/A
Efficacy: 129.2 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

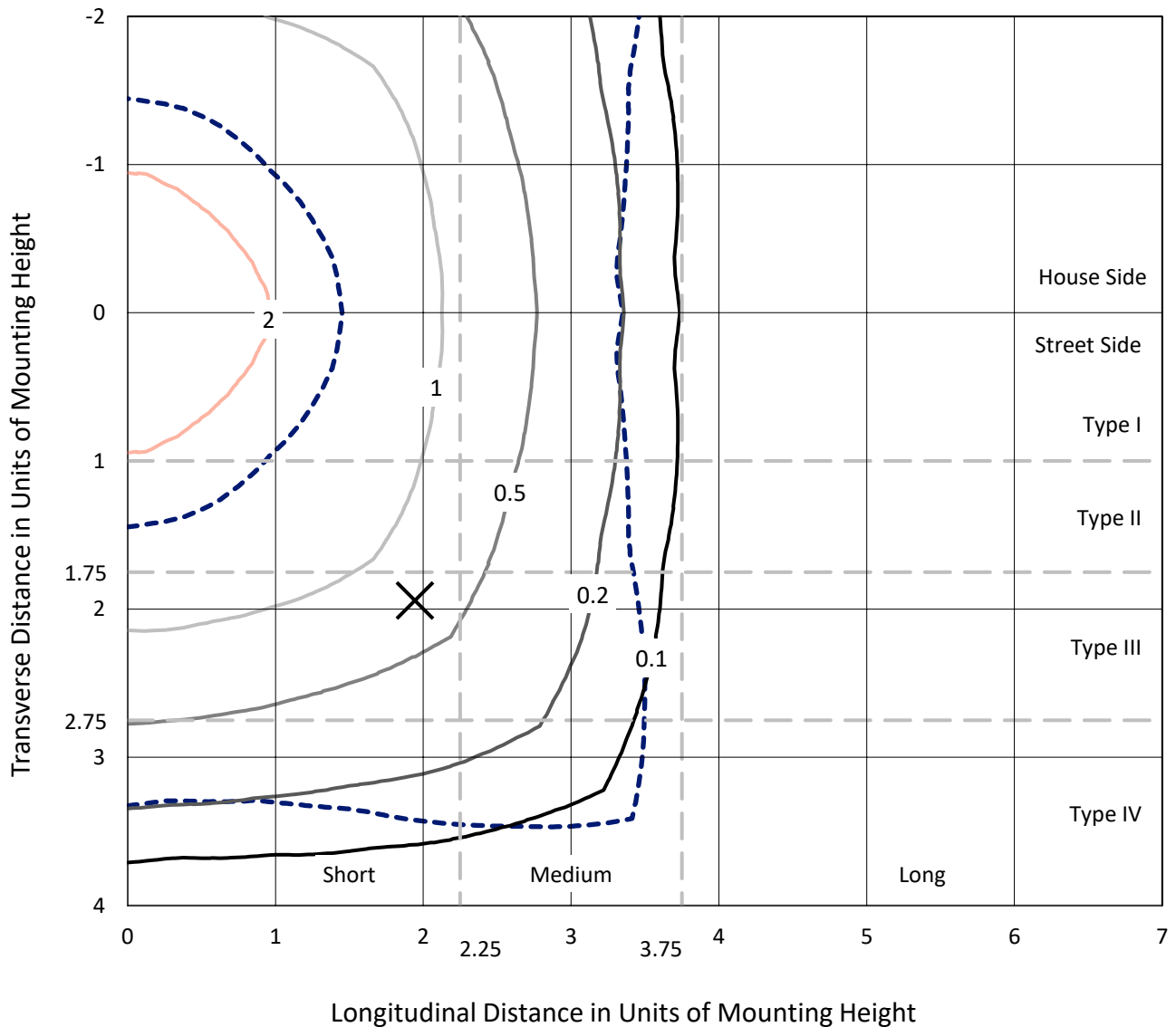
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

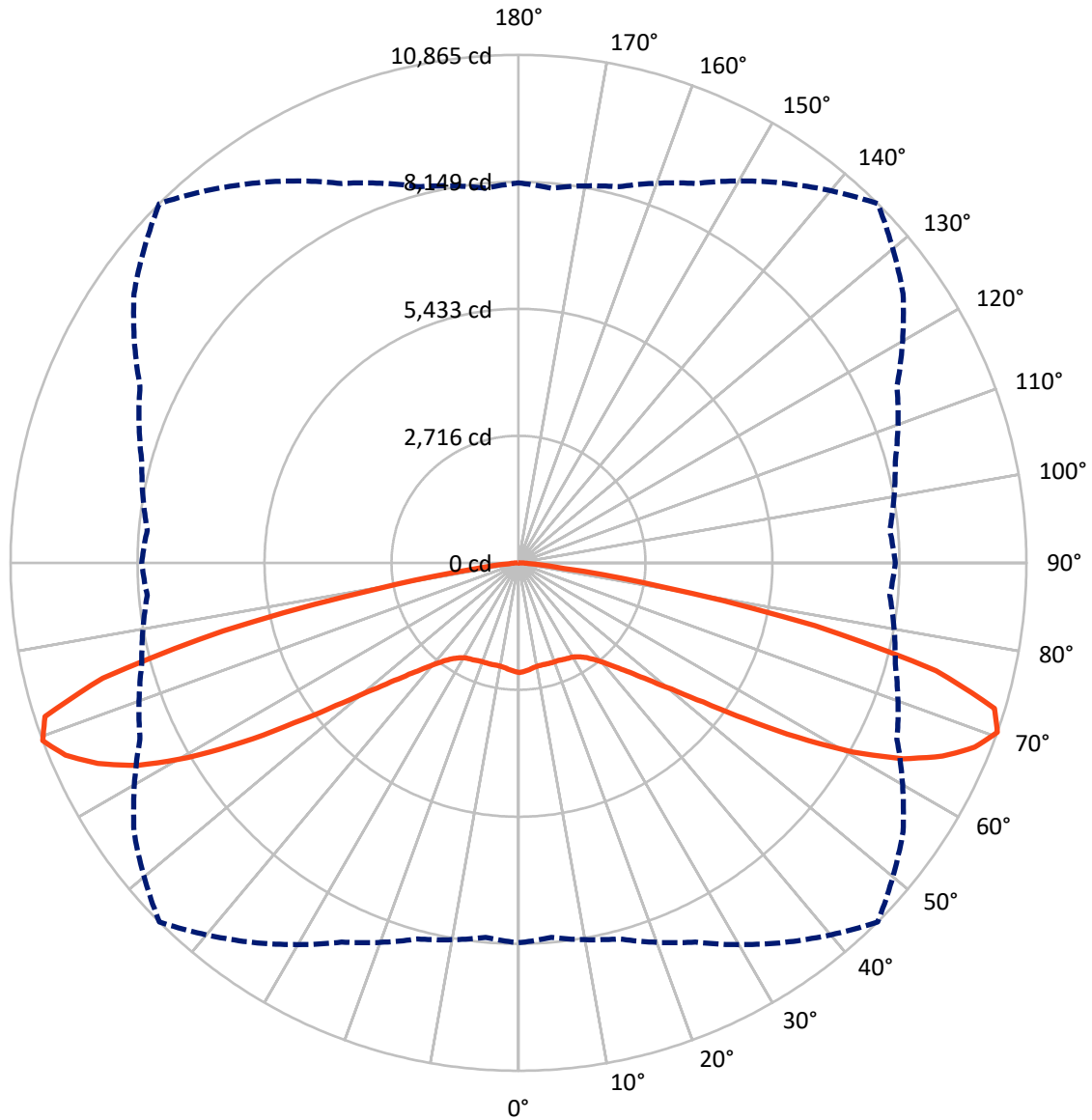
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	12864.0	0.0	12864.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12864.0	0.0	12864.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25728.0	0.0	25728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	0.8
10°-20°	641.0	2.5
20°-30°	1066.8	4.1
30°-40°	1613.3	6.3
40°-50°	2680.9	10.4
50°-60°	5058.8	19.7
60°-70°	8541.9	33.2
70°-80°	5612.9	21.8
80°-90°	294.1	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°	25728.0	100.0
0°-180°	25728.0	100.0

Coefficient of Utilization



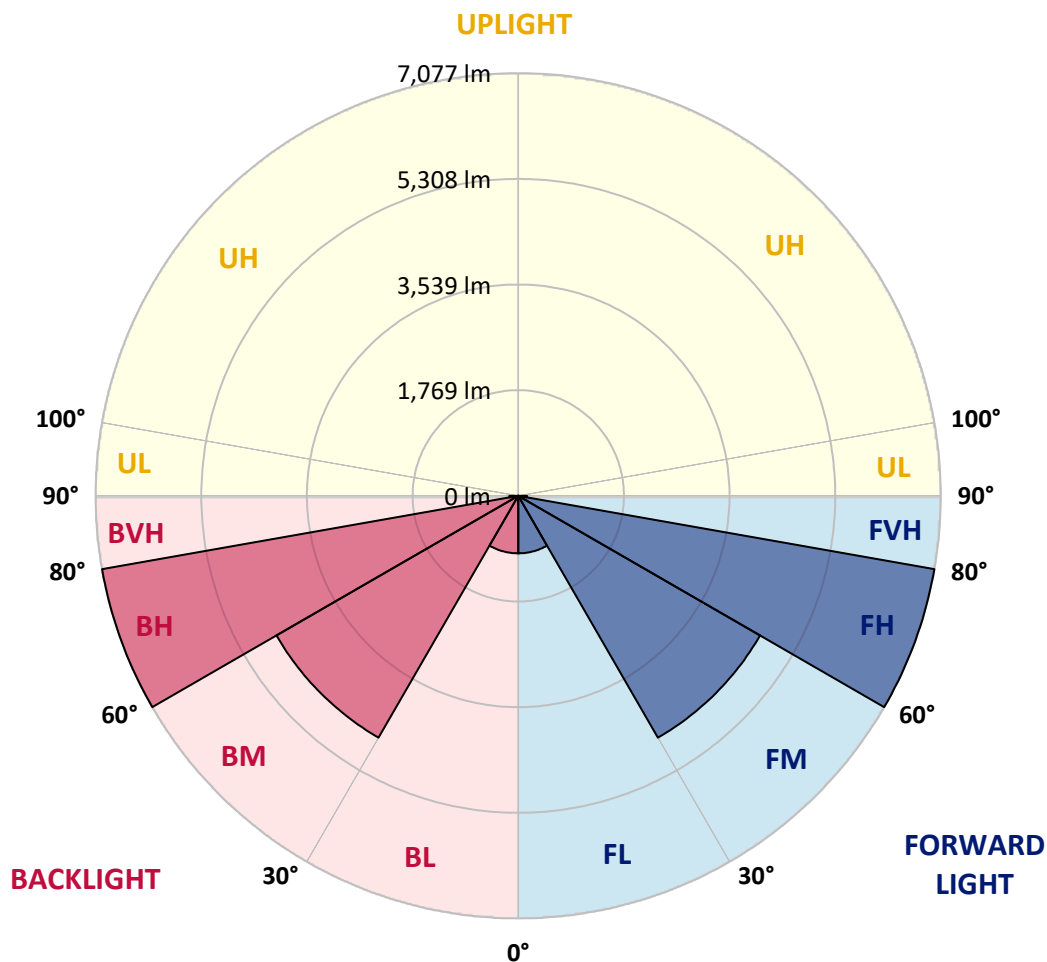
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.1	3.7			
FM (30°-60°)	4676.5	18.2			
FH (60°-80°)	7077.4	27.5			G3/7500
FVH (80°-90°)	147.0	0.6			G2/225
BL (0°-30°)	963.1	3.7	B2/1000		
BM (30°-60°)	4676.5	18.2	B3/5000		
BH (60°-80°)	7077.4	27.5	B5		G3/7500
BVH (80°-90°)	147.0	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°	2346.9	2346.9	2346.9	2346.9	2346.9	2346.9	2346.9	2346.9	2346.9	2346.9
2.5°	2332.2	2338.9	2336.2	2330.9	2330.9	2326.9	2330.9	2333.5	2337.6	2340.2
5°	2301.4	2306.8	2305.5	2301.4	2302.8	2298.8	2301.4	2305.5	2308.1	2309.5
7.5°	2274.7	2280.0	2277.4	2270.7	2270.7	2266.7	2268.0	2272.0	2276.0	2277.4
10°	2268.0	2273.4	2265.3	2254.6	2250.6	2245.3	2246.6	2250.6	2258.7	2262.7
12.5°	2270.7	2274.7	2266.7	2250.6	2246.6	2241.3	2241.3	2245.3	2256.0	2261.3
15°	2278.7	2282.7	2270.7	2253.3	2249.3	2245.3	2243.9	2249.3	2261.3	2270.7
17.5°	2293.4	2297.4	2278.7	2254.6	2249.3	2250.6	2249.3	2253.3	2272.0	2289.4
20°	2306.8	2309.5	2284.1	2254.6	2249.3	2250.6	2249.3	2257.3	2281.4	2305.5
22.5°	2310.8	2313.5	2289.4	2264.0	2260.0	2261.3	2260.0	2268.0	2290.7	2314.8
25°	2312.1	2316.2	2297.4	2277.4	2284.1	2286.7	2284.1	2285.4	2302.8	2324.2
27.5°	2332.2	2337.6	2320.2	2302.8	2306.8	2305.5	2309.5	2313.5	2326.9	2348.2
30°	2373.7	2377.7	2363.0	2345.6	2342.9	2333.5	2345.6	2358.9	2373.7	2392.4
32.5°	2441.9	2449.9	2431.2	2412.4	2400.4	2395.1	2404.4	2427.1	2447.2	2467.3
35°	2555.5	2560.9	2543.5	2508.7	2487.3	2487.3	2495.3	2524.8	2556.9	2582.3
37.5°	2716.0	2722.7	2691.9	2650.5	2618.4	2618.4	2629.1	2659.8	2708.0	2744.1
40°	2911.2	2920.6	2881.8	2839.0	2808.3	2802.9	2816.3	2851.1	2896.5	2942.0
42.5°	3146.6	3157.3	3106.5	3069.0	3045.0	3045.0	3051.7	3083.7	3125.2	3181.4
45°	3447.5	3466.2	3396.7	3359.2	3336.5	3341.8	3345.9	3373.9	3411.4	3475.6
47.5°	3805.9	3824.6	3751.0	3712.3	3708.3	3733.7	3717.6	3737.7	3757.7	3831.3
50°	4212.4	4244.5	4193.7	4191.0	4199.0	4245.8	4208.4	4219.1	4196.4	4243.2
52.5°	4709.9	4756.7	4747.3	4763.4	4853.0	4949.2	4863.7	4826.2	4740.6	4755.3
55°	5313.0	5383.9	5397.2	5493.5	5696.8	5893.4	5711.5	5560.4	5378.5	5345.1
57.5°	5999.0	6055.2	6119.4	6315.9	6695.7	7044.7	6695.7	6361.4	6075.2	6007.0
60°	6737.2	6806.7	6868.2	7158.4	7722.7	8213.5	7712.0	7181.1	6802.7	6710.4
62.5°	7530.2	7619.8	7662.6	7984.8	8642.8	9228.5	8652.1	8008.9	7589.0	7490.1
65°	8291.1	8364.6	8412.8	8756.5	9385.0	9972.0	9427.8	8793.9	8362.0	8232.2
67.5°	8645.5	8685.6	8803.3	9192.4	9855.7	10525.7	9968.0	9233.9	8751.1	8523.8
70°	8126.6	8045.0	8328.5	8951.7	9911.9	10865.3	10040.2	8933.0	8341.9	7972.8
72.5°	6279.8	6139.4	6631.5	7697.3	9270.0	10648.7	9334.2	7757.5	6937.8	6188.9
75°	3416.7	3257.6	3936.9	5284.9	7392.4	9229.8	7562.3	5436.0	4383.6	3391.3
77.5°	964.2	904.0	1452.3	2556.9	4446.4	6480.4	4617.6	2613.0	1722.4	1021.7
80°	295.5	286.2	387.8	770.3	1888.2	3103.8	1814.7	779.6	493.5	311.6
82.5°	175.2	160.5	192.6	280.8	481.4	974.9	468.0	292.9	235.4	157.8
85°	100.3	93.6	113.7	136.4	161.8	207.3	135.1	139.1	125.7	84.2
87.5°	41.5	37.4	44.1	42.8	37.4	48.1	36.1	42.8	50.8	33.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2346.9
2338.9
2309.5
2277.4
2262.7
2262.7
2272.0
2289.4
2306.8
2314.8
2322.8
2342.9
2388.4
2459.2
2572.9
2730.7
2927.3
3177.4
3472.9
3809.9
4215.1
4705.9
5292.9
5958.9
6630.2
7409.8
8168.1
8526.4
8061.1
6374.8
3612.0
1135.3
329.0
171.2
88.3
30.8
0.0

OF REPORT)