

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: P849771

Luminaire Tested: **GLAN-SB7A-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849771
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-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25233 lumens
Efficiency: N/A
Efficacy: 126.7 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

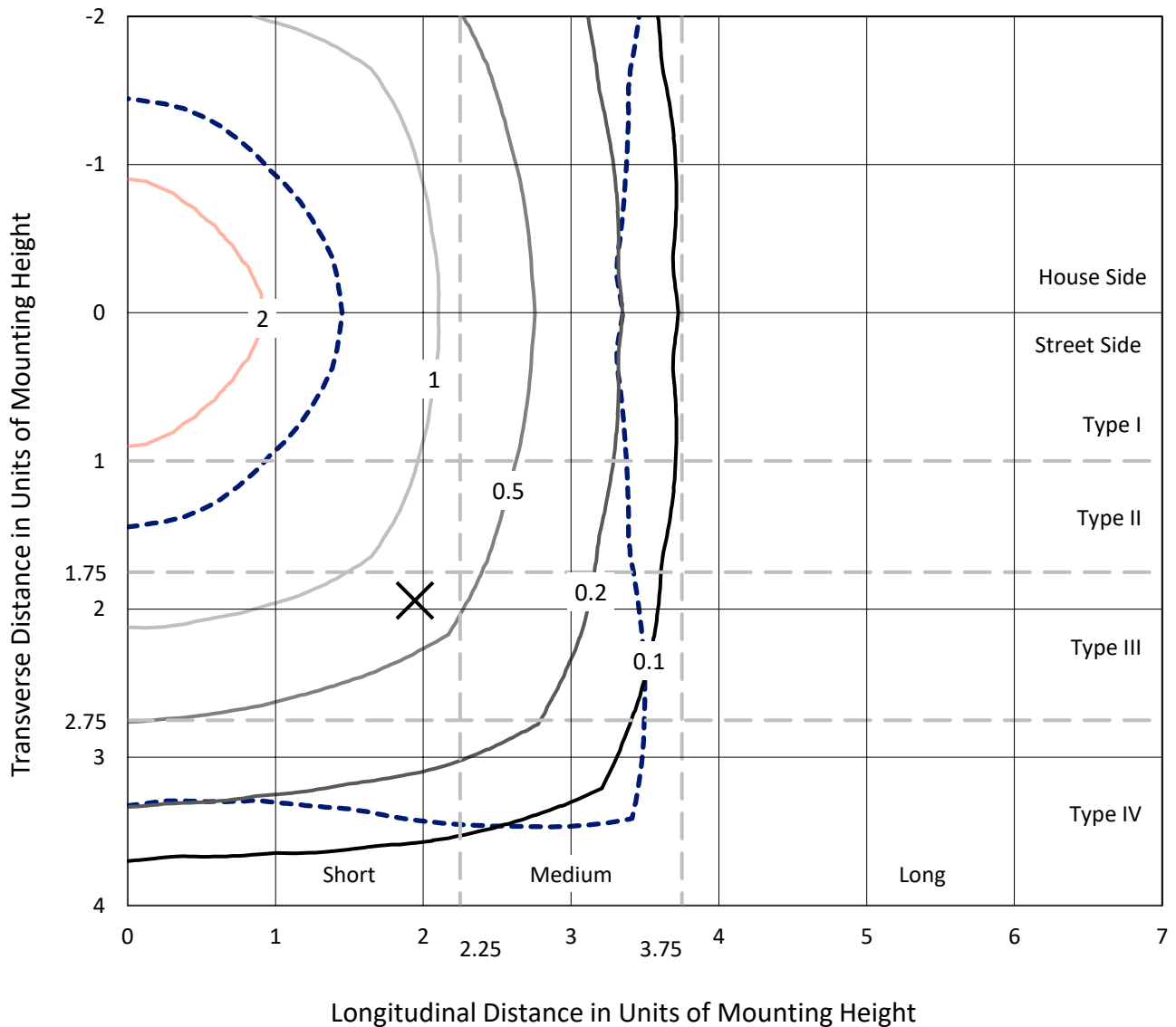
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

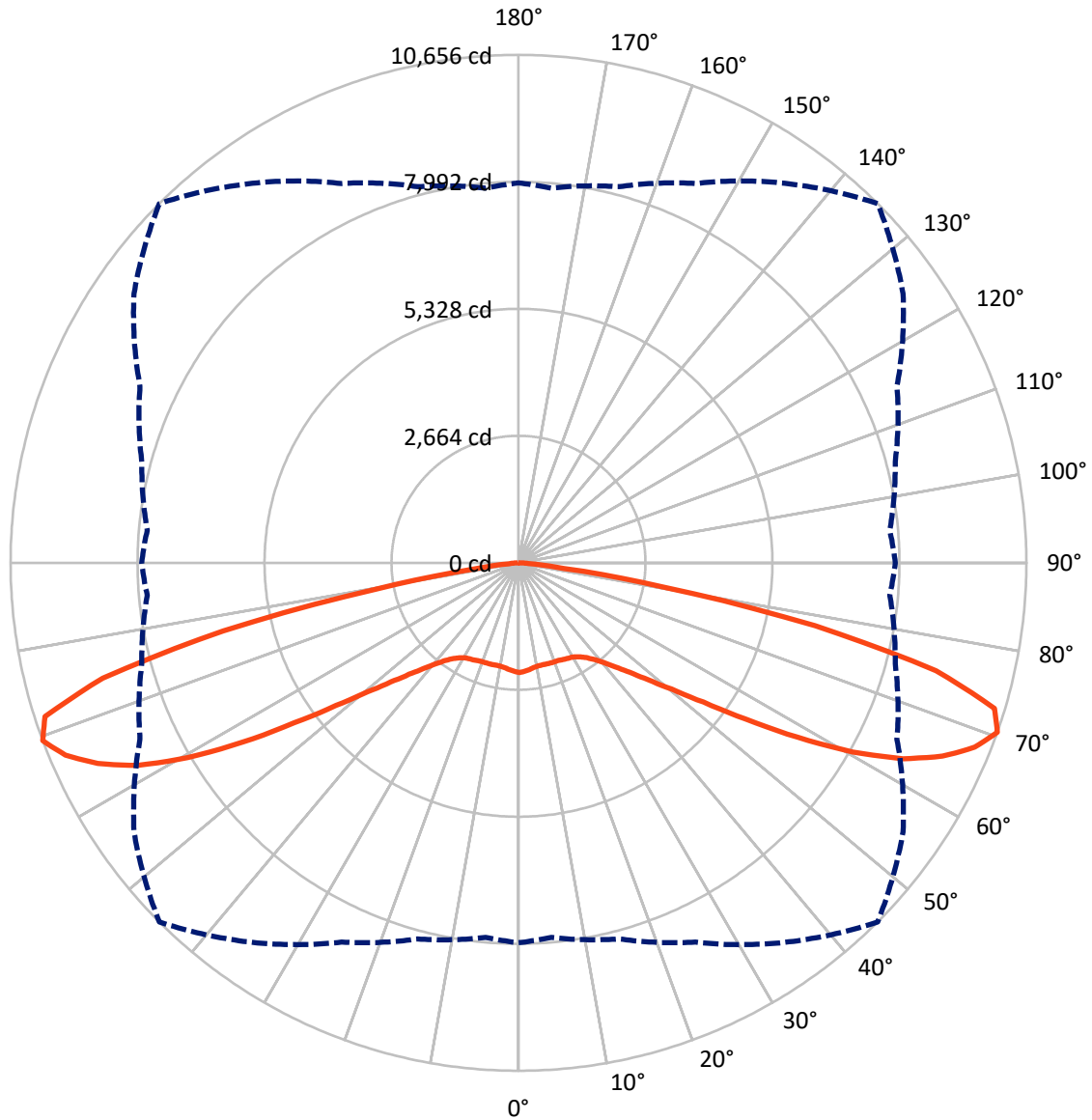
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	12616.5	0.0	12616.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12616.5	0.0	12616.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25233.0	0.0	25233.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	0.8
10°-20°	628.7	2.5
20°-30°	1046.3	4.1
30°-40°	1582.3	6.3
40°-50°	2629.3	10.4
50°-60°	4961.4	19.7
60°-70°	8377.6	33.2
70°-80°	5504.9	21.8
80°-90°	288.4	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°	25233.0	100.0
0°-180°	25233.0	100.0

Coefficient of Utilization



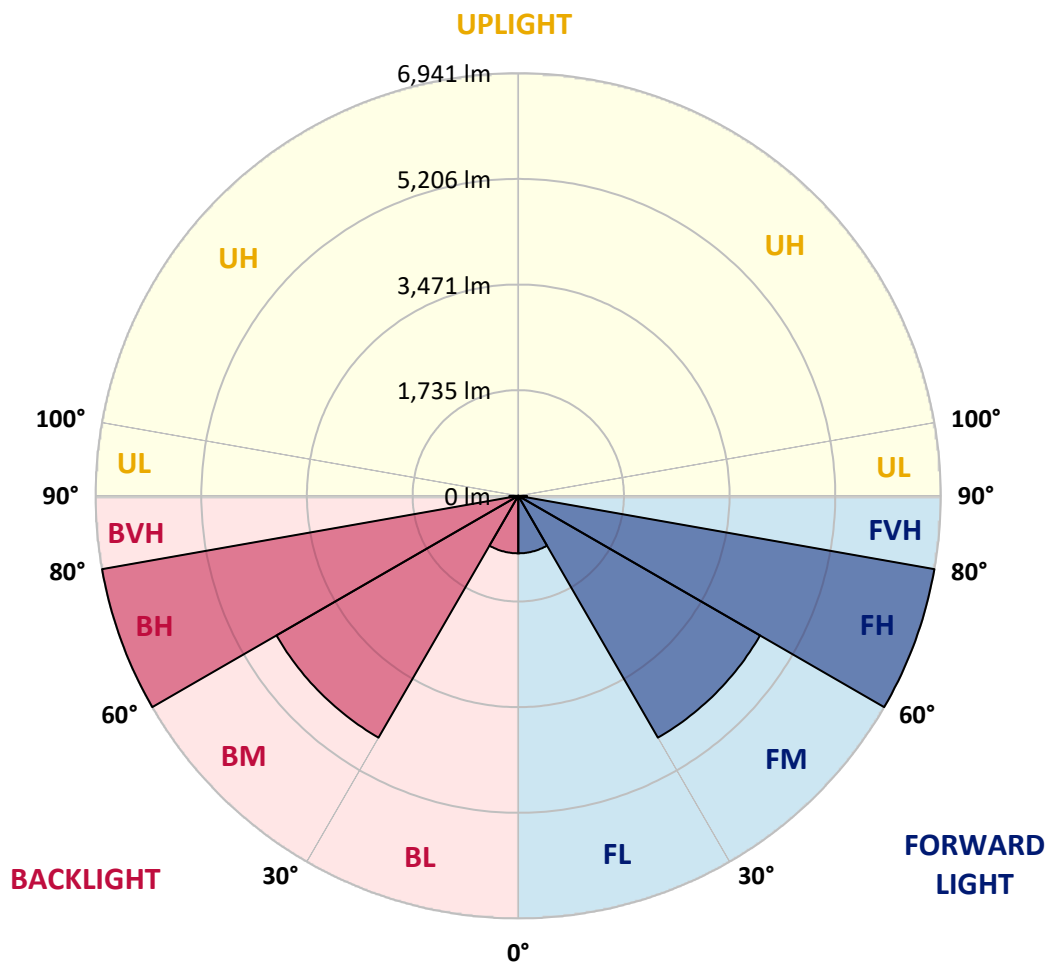
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	944.5	3.7			
FM (30°-60°)	4586.5	18.2			
FH (60°-80°)	6941.3	27.5			G3/7500
FVH (80°-90°)	144.2	0.6			G2/225
BL (0°-30°)	944.5	3.7	B2/1000		
BM (30°-60°)	4586.5	18.2	B3/5000		
BH (60°-80°)	6941.3	27.5	B5		G3/7500
BVH (80°-90°)	144.2	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°	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8
2.5°	2287.3	2293.9	2291.3	2286.0	2286.0	2282.1	2286.0	2288.6	2292.6	2295.2
5°	2257.2	2262.4	2261.1	2257.2	2258.5	2254.5	2257.2	2261.1	2263.7	2265.0
7.5°	2230.9	2236.2	2233.6	2227.0	2227.0	2223.1	2224.4	2228.3	2232.2	2233.6
10°	2224.4	2229.6	2221.8	2211.3	2207.3	2202.1	2203.4	2207.3	2215.2	2219.1
12.5°	2227.0	2230.9	2223.1	2207.3	2203.4	2198.1	2198.1	2202.1	2212.6	2217.8
15°	2234.9	2238.8	2227.0	2209.9	2206.0	2202.1	2200.8	2206.0	2217.8	2227.0
17.5°	2249.3	2253.2	2234.9	2211.3	2206.0	2207.3	2206.0	2209.9	2228.3	2245.4
20°	2262.4	2265.0	2240.1	2211.3	2206.0	2207.3	2206.0	2213.9	2237.5	2261.1
22.5°	2266.3	2269.0	2245.4	2220.4	2216.5	2217.8	2216.5	2224.4	2246.7	2270.3
25°	2267.7	2271.6	2253.2	2233.6	2240.1	2242.7	2240.1	2241.4	2258.5	2279.5
27.5°	2287.3	2292.6	2275.5	2258.5	2262.4	2261.1	2265.0	2269.0	2282.1	2303.1
30°	2328.0	2331.9	2317.5	2300.4	2297.8	2288.6	2300.4	2313.6	2328.0	2346.4
32.5°	2394.9	2402.7	2384.4	2366.0	2354.2	2349.0	2358.2	2380.5	2400.1	2419.8
35°	2506.4	2511.6	2494.6	2460.5	2439.5	2439.5	2447.3	2476.2	2507.7	2532.6
37.5°	2663.7	2670.3	2640.1	2599.5	2568.0	2568.0	2578.5	2608.7	2655.9	2691.3
40°	2855.2	2864.4	2826.4	2784.4	2754.2	2749.0	2762.1	2796.2	2840.8	2885.4
42.5°	3086.1	3096.6	3046.7	3010.0	2986.4	2986.4	2992.9	3024.4	3065.1	3120.2
45°	3381.2	3399.5	3331.3	3294.6	3272.3	3277.5	3281.5	3309.0	3345.7	3408.7
47.5°	3732.7	3751.0	3678.9	3640.8	3636.9	3661.8	3646.1	3665.8	3685.4	3757.6
50°	4131.4	4162.8	4113.0	4110.4	4118.2	4164.1	4127.4	4137.9	4115.6	4161.5
52.5°	4619.3	4665.2	4656.0	4671.7	4759.6	4854.0	4770.1	4733.4	4649.4	4663.8
55°	5210.8	5280.3	5293.4	5387.8	5587.2	5780.0	5601.6	5453.4	5275.0	5242.2
57.5°	5883.6	5938.7	6001.6	6194.4	6566.9	6909.2	6566.9	6239.0	5958.3	5891.5
60°	6607.6	6675.8	6736.1	7020.7	7574.2	8055.5	7563.7	7043.0	6671.8	6581.3
62.5°	7385.3	7473.2	7515.1	7831.2	8476.5	9051.0	8485.7	7854.8	7443.0	7346.0
65°	8131.6	8203.7	8250.9	8588.0	9204.4	9780.2	9246.4	8624.7	8201.1	8073.9
67.5°	8479.1	8518.5	8633.9	9015.5	9666.1	10323.2	9776.2	9056.2	8582.7	8359.8
70°	7970.2	7890.2	8168.3	8779.5	9721.2	10656.3	9847.1	8761.1	8181.4	7819.4
72.5°	6159.0	6021.3	6503.9	7549.2	9091.6	10443.8	9154.6	7608.3	6804.3	6069.8
75°	3351.0	3194.9	3861.2	5183.2	7250.2	9052.3	7416.8	5331.4	4299.2	3326.1
77.5°	945.6	886.6	1424.3	2507.7	4360.9	6355.7	4528.8	2562.8	1689.3	1002.0
80°	289.9	280.7	380.3	755.4	1851.9	3044.1	1779.8	764.6	484.0	305.6
82.5°	171.8	157.4	188.9	275.4	472.2	956.1	459.0	287.2	230.8	154.8
85°	98.4	91.8	111.5	133.8	158.7	203.3	132.5	136.4	123.3	82.6
87.5°	40.7	36.7	43.3	42.0	36.7	47.2	35.4	42.0	49.8	32.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2301.8
2293.9
2265.0
2233.6
2219.1
2219.1
2228.3
2245.4
2262.4
2270.3
2278.1
2297.8
2342.4
2411.9
2523.4
2678.2
2871.0
3116.2
3406.1
3736.6
4134.0
4615.3
5191.1
5844.2
6502.6
7267.3
8010.9
8362.4
7906.0
6252.1
3542.5
1113.5
322.6
167.9
86.6
30.2
0.0

OF REPORT)