

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: P848181

Luminaire Tested: **GLAN-SB4C-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848181
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26068 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

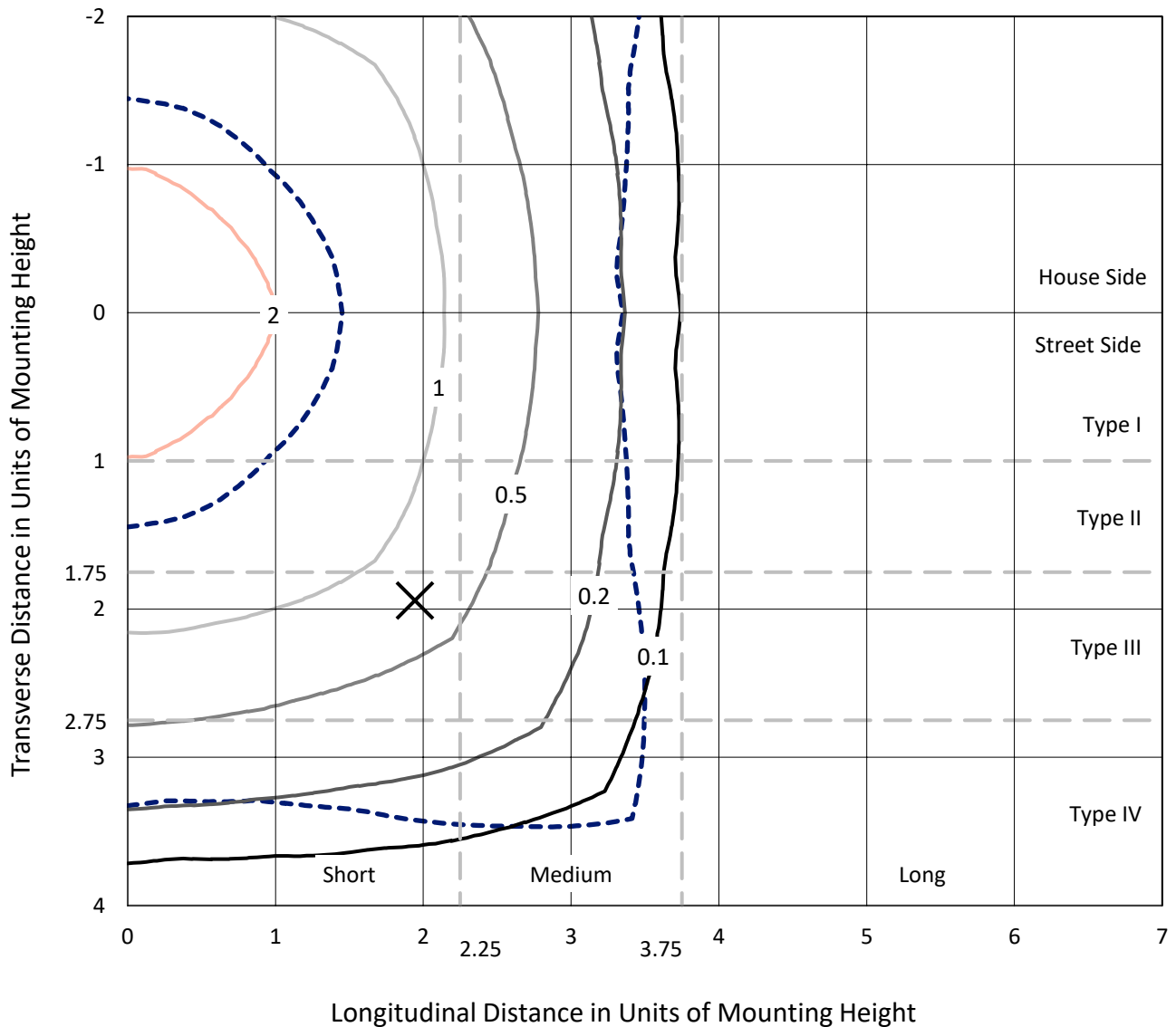
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

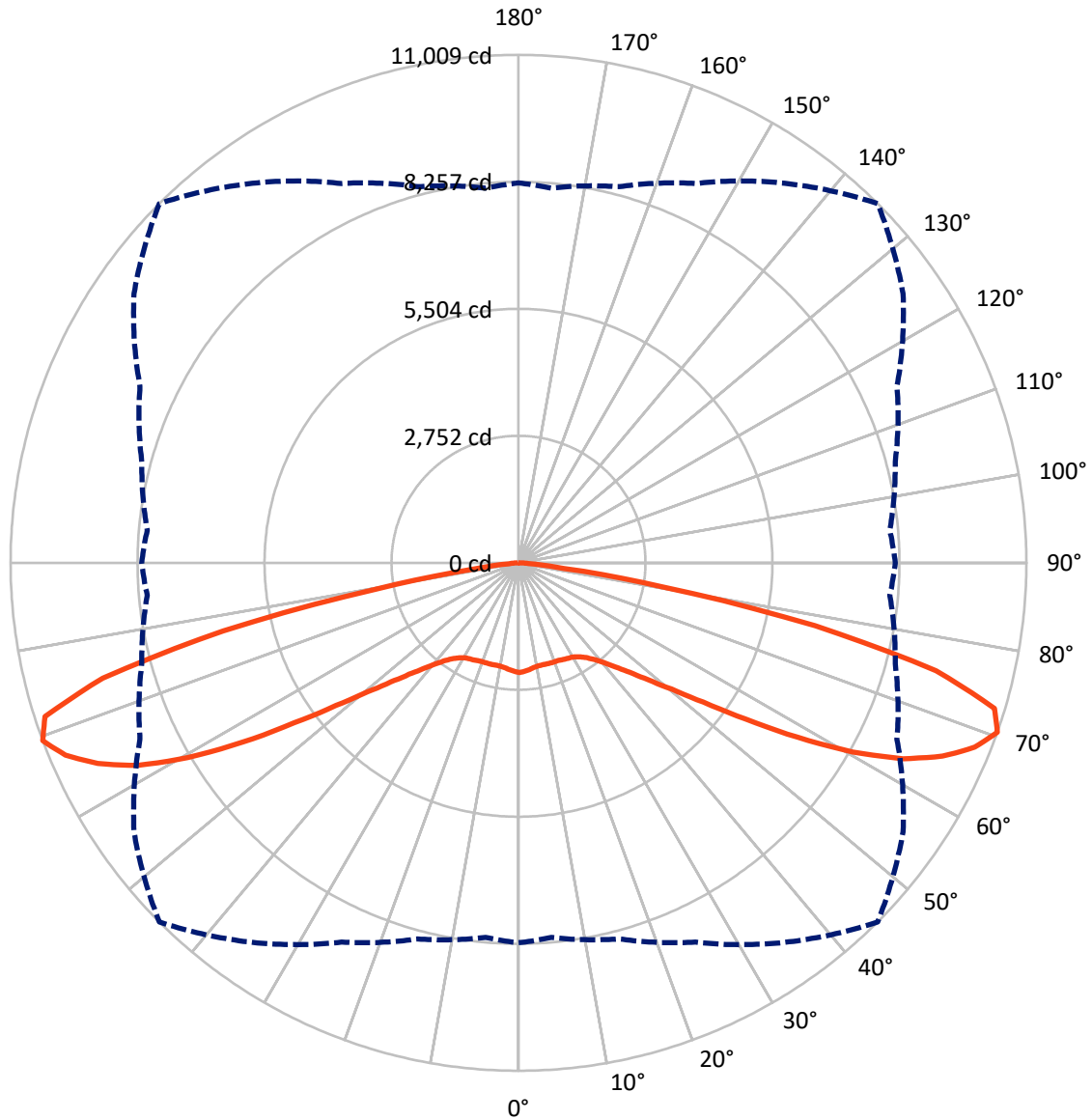
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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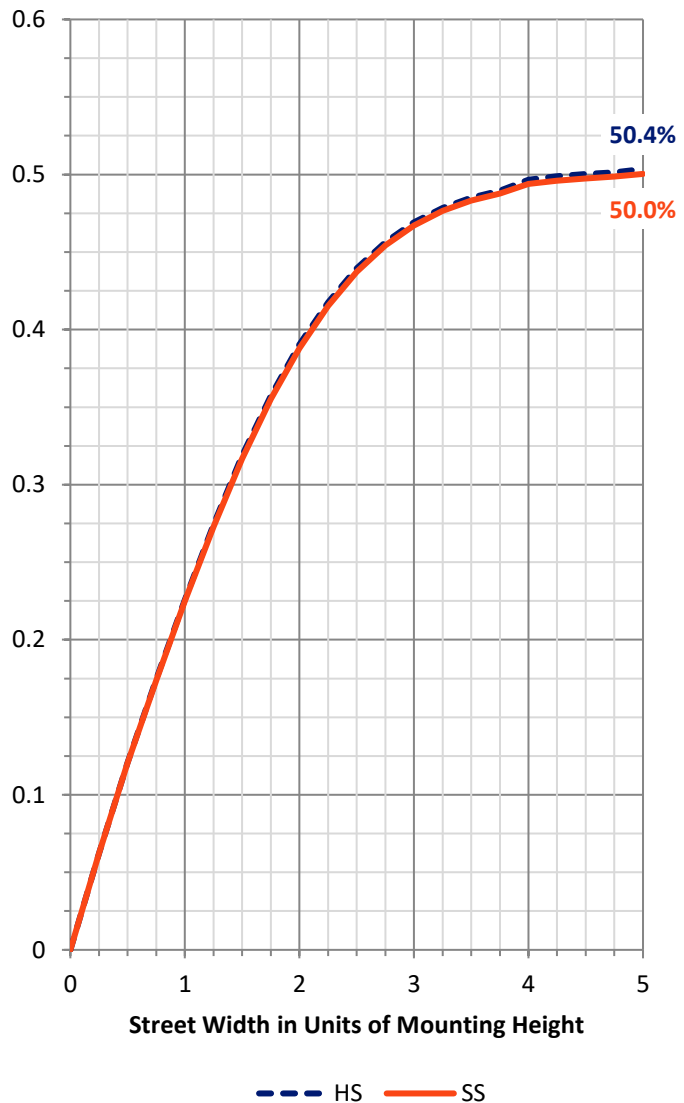
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13034.0	0.0	13034.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13034.0	0.0	13034.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26068.0	0.0	26068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.2	0.8
10°-20°	649.5	2.5
20°-30°	1080.9	4.1
30°-40°	1634.6	6.3
40°-50°	2716.3	10.4
50°-60°	5125.6	19.7
60°-70°	8654.8	33.2
70°-80°	5687.1	21.8
80°-90°	297.9	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°	26068.0	100.0
0°-180°	26068.0	100.0

Coefficient of Utilization



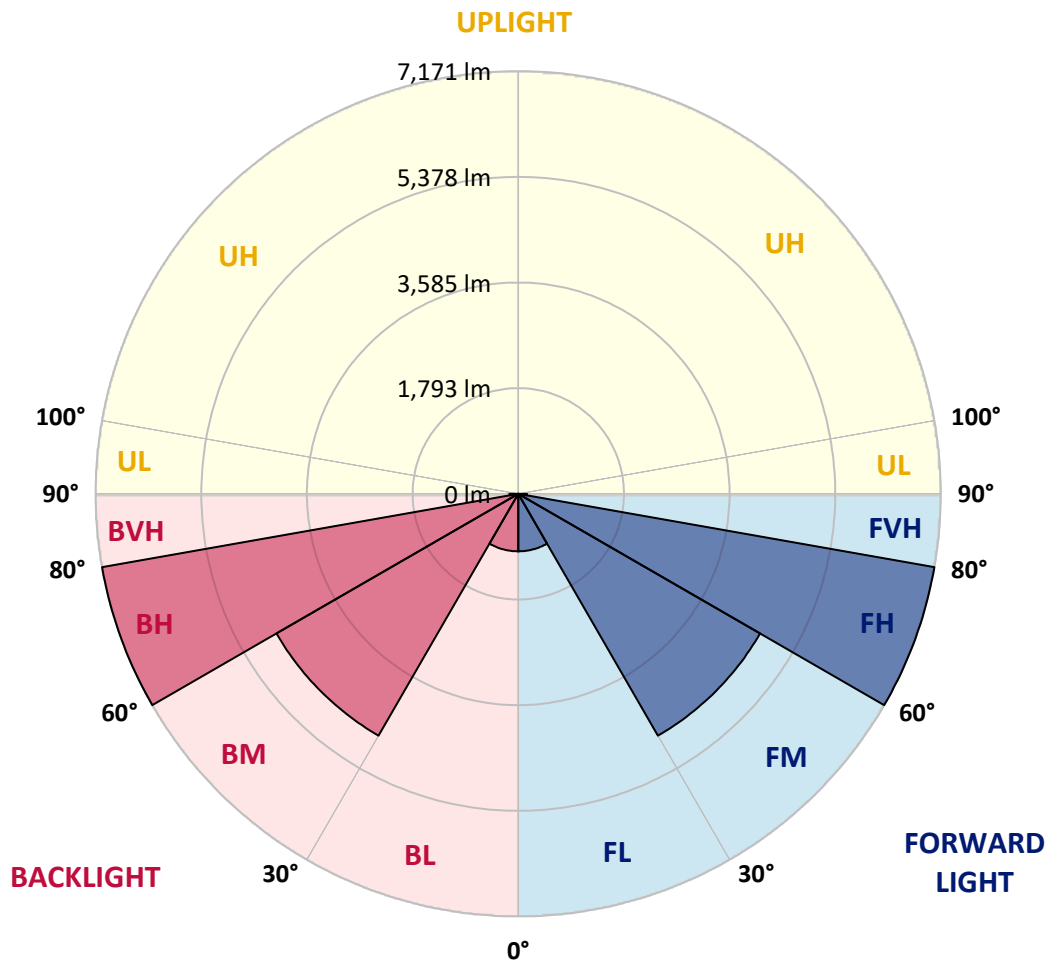
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.8	3.7			
FM (30°-60°)	4738.3	18.2			
FH (60°-80°)	7171.0	27.5			G3/7500
FVH (80°-90°)	149.0	0.6			G2/225
BL (0°-30°)	975.8	3.7	B2/1000		
BM (30°-60°)	4738.3	18.2	B3/5000		
BH (60°-80°)	7171.0	27.5	B5		G3/7500
BVH (80°-90°)	149.0	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°	2377.9	2377.9	2377.9	2377.9	2377.9	2377.9	2377.9	2377.9	2377.9	2377.9
2.5°	2363.0	2369.8	2367.1	2361.7	2361.7	2357.6	2361.7	2364.4	2368.4	2371.2
5°	2331.9	2337.3	2335.9	2331.9	2333.2	2329.1	2331.9	2335.9	2338.6	2340.0
7.5°	2304.8	2310.2	2307.5	2300.7	2300.7	2296.6	2298.0	2302.0	2306.1	2307.5
10°	2298.0	2303.4	2295.3	2284.4	2280.4	2275.0	2276.3	2280.4	2288.5	2292.6
12.5°	2300.7	2304.8	2296.6	2280.4	2276.3	2270.9	2270.9	2275.0	2285.8	2291.2
15°	2308.8	2312.9	2300.7	2283.1	2279.0	2275.0	2273.6	2279.0	2291.2	2300.7
17.5°	2323.7	2327.8	2308.8	2284.4	2279.0	2280.4	2279.0	2283.1	2302.0	2319.7
20°	2337.3	2340.0	2314.2	2284.4	2279.0	2280.4	2279.0	2287.1	2311.5	2335.9
22.5°	2341.3	2344.1	2319.7	2293.9	2289.9	2291.2	2289.9	2298.0	2321.0	2345.4
25°	2342.7	2346.8	2327.8	2307.5	2314.2	2317.0	2314.2	2315.6	2333.2	2354.9
27.5°	2363.0	2368.4	2350.8	2333.2	2337.3	2335.9	2340.0	2344.1	2357.6	2379.3
30°	2405.0	2409.1	2394.2	2376.6	2373.9	2364.4	2376.6	2390.1	2405.0	2424.0
32.5°	2474.1	2482.3	2463.3	2444.3	2432.1	2426.7	2436.2	2459.2	2479.5	2499.9
35°	2589.3	2594.7	2577.1	2541.9	2520.2	2520.2	2528.3	2558.1	2590.7	2616.4
37.5°	2751.9	2758.7	2727.5	2685.5	2653.0	2653.0	2663.8	2695.0	2743.8	2780.3
40°	2949.7	2959.2	2919.9	2876.5	2845.4	2840.0	2853.5	2888.7	2934.8	2980.9
42.5°	3188.2	3199.0	3147.5	3109.6	3085.2	3085.2	3092.0	3124.5	3166.5	3223.4
45°	3493.0	3512.0	3441.6	3403.6	3380.6	3386.0	3390.1	3418.5	3456.5	3521.5
47.5°	3856.2	3875.1	3800.6	3761.3	3757.3	3783.0	3766.7	3787.1	3807.4	3881.9
50°	4268.1	4300.6	4249.1	4246.4	4254.5	4301.9	4264.0	4274.8	4251.8	4299.2
52.5°	4772.1	4819.5	4810.1	4826.3	4917.1	5014.6	4927.9	4890.0	4803.3	4818.2
55°	5383.2	5455.0	5468.6	5566.1	5772.1	5971.2	5787.0	5633.9	5449.6	5415.7
57.5°	6078.3	6135.2	6200.2	6399.4	6784.2	7137.8	6784.2	6445.5	6155.5	6086.4
60°	6826.2	6896.7	6959.0	7253.0	7824.8	8322.1	7814.0	7276.0	6892.6	6799.1
62.5°	7629.7	7720.5	7763.8	8090.4	8757.0	9350.5	8766.5	8114.8	7689.3	7589.0
65°	8400.7	8475.2	8524.0	8872.2	9509.0	10103.8	9552.4	8910.1	8472.5	8341.0
67.5°	8759.7	8800.4	8919.6	9313.9	9985.9	10664.8	10099.8	9355.9	8866.8	8636.4
70°	8234.0	8151.3	8438.6	9070.0	10042.8	11008.9	10172.9	9051.0	8452.1	8078.2
72.5°	6362.8	6220.5	6719.2	7799.1	9392.5	10789.4	9457.5	7860.0	7029.4	6270.7
75°	3461.9	3300.6	3989.0	5354.7	7490.1	9351.8	7662.2	5507.8	4441.5	3436.1
77.5°	976.9	915.9	1471.5	2590.7	4505.2	6566.1	4678.6	2647.6	1745.2	1035.2
80°	299.4	290.0	392.9	780.4	1913.2	3144.8	1838.7	789.9	500.0	315.7
82.5°	177.5	162.6	195.1	284.5	487.8	987.8	474.2	296.7	238.5	159.9
85°	101.6	94.8	115.2	138.2	163.9	210.0	136.8	140.9	127.4	85.4
87.5°	42.0	37.9	44.7	43.4	37.9	48.8	36.6	43.4	51.5	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2377.9
2369.8
2340.0
2307.5
2292.6
2292.6
2302.0
2319.7
2337.3
2345.4
2353.5
2373.9
2419.9
2491.7
2606.9
2766.8
2966.0
3219.3
3518.8
3860.2
4270.8
4768.0
5362.9
6037.6
6717.8
7507.7
8276.0
8639.1
8167.6
6459.0
3659.7
1150.3
333.3
173.4
89.4
31.2
0.0

OF REPORT)