

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: P848171

Luminaire Tested: **GLAN-SB4C-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848171
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26999 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

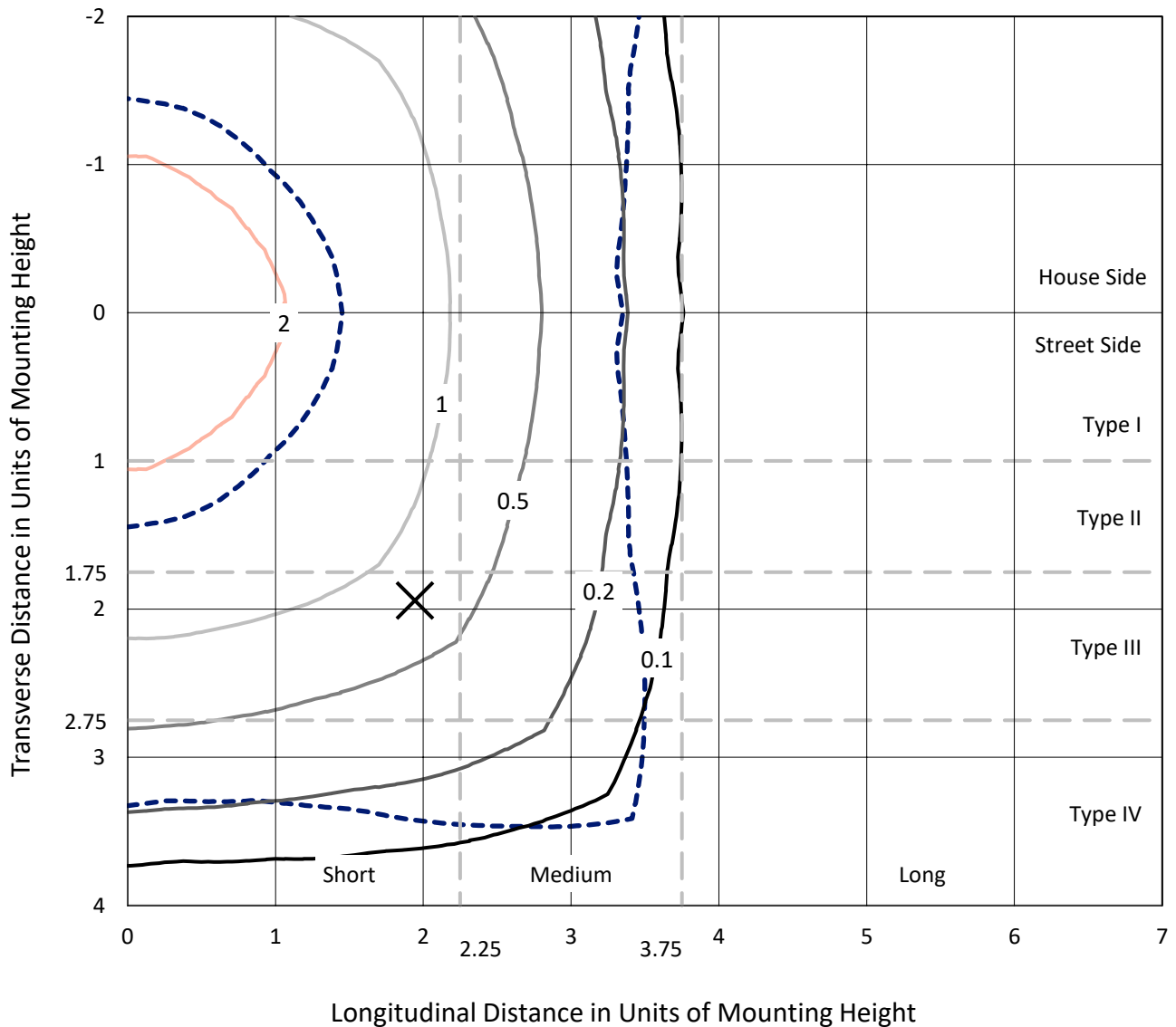
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848171
 CATALOG NUMBER: GLAN-SB4C-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

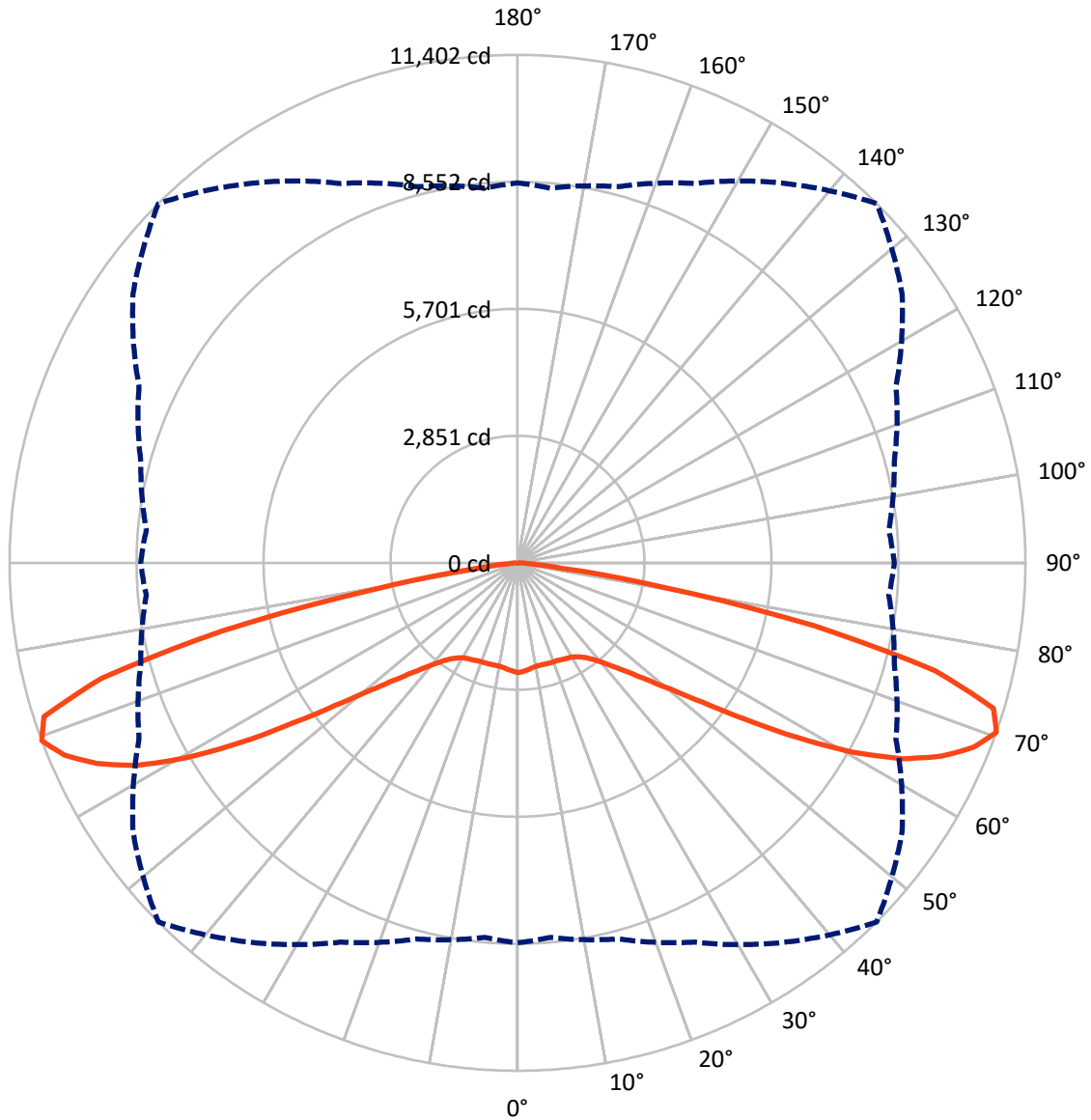
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P848171
CATALOG NUMBER: GLAN-SB4C-840-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P848171
 CATALOG NUMBER: GLAN-SB4C-840-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13499.5	0.0	13499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13499.5	0.0	13499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26999.0	0.0	26999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.1	0.8
10°-20°	672.7	2.5
20°-30°	1119.5	4.1
30°-40°	1693.0	6.3
40°-50°	2813.3	10.4
50°-60°	5308.7	19.7
60°-70°	8963.9	33.2
70°-80°	5890.2	21.8
80°-90°	308.6	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°	26999.0	100.0
0°-180°	26999.0	100.0

Coefficient of Utilization



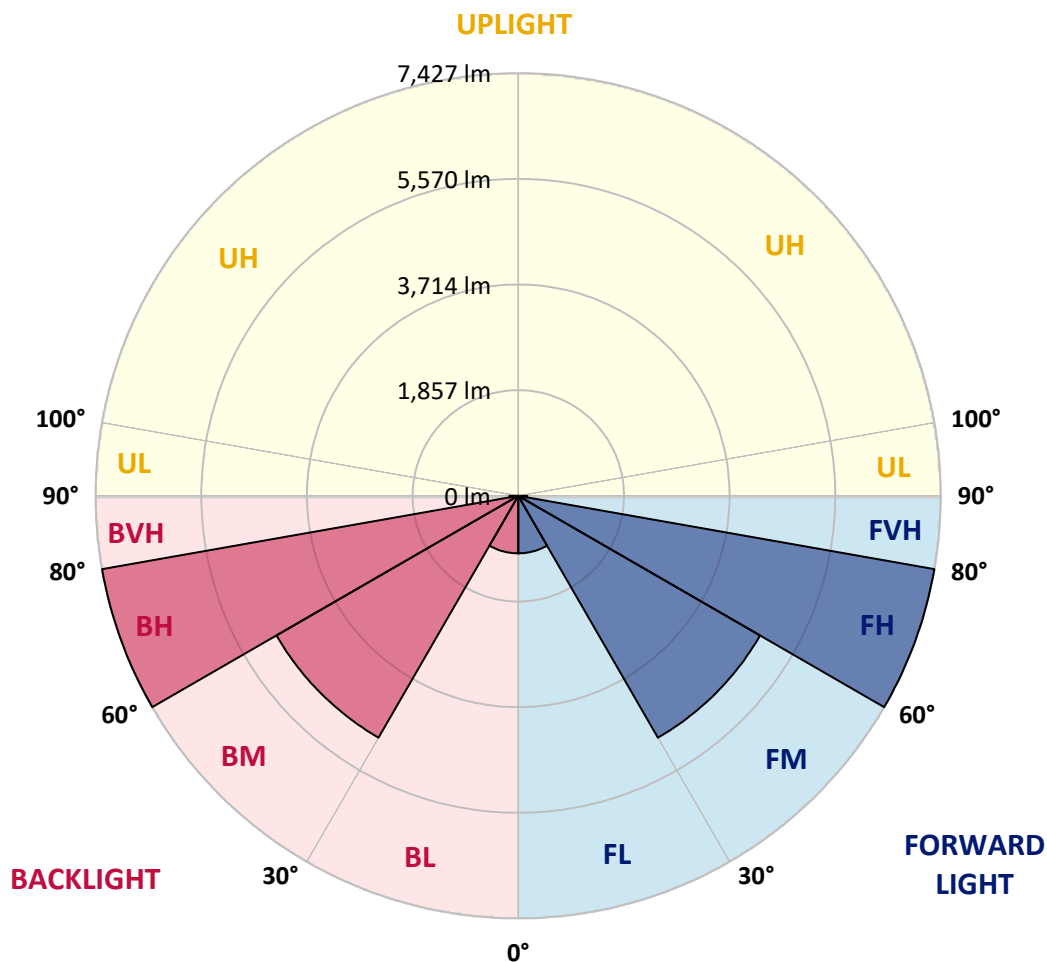
REPORT NUMBER: P848171
 CATALOG NUMBER: GLAN-SB4C-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.6	3.7			
FM (30°-60°)	4907.5	18.2			
FH (60°-80°)	7427.1	27.5			G3/7500
FVH (80°-90°)	154.3	0.6			G2/225
BL (0°-30°)	1010.6	3.7	B3/2500		
BM (30°-60°)	4907.5	18.2	B3/5000		
BH (60°-80°)	7427.1	27.5	B5		G3/7500
BVH (80°-90°)	154.3	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



REPORT NUMBER: P848171
 CATALOG NUMBER: GLAN-SB4C-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2462.9	2462.9	2462.9	2462.9	2462.9	2462.9	2462.9	2462.9	2462.9	2462.9
2.5°	2447.4	2454.4	2451.6	2446.0	2446.0	2441.8	2446.0	2448.8	2453.0	2455.8
5°	2415.1	2420.8	2419.3	2415.1	2416.5	2412.3	2415.1	2419.3	2422.2	2423.6
7.5°	2387.1	2392.7	2389.9	2382.9	2382.9	2378.7	2380.1	2384.3	2388.5	2389.9
10°	2380.1	2385.7	2377.2	2366.0	2361.8	2356.2	2357.6	2361.8	2370.2	2374.4
12.5°	2382.9	2387.1	2378.7	2361.8	2357.6	2352.0	2352.0	2356.2	2367.4	2373.0
15°	2391.3	2395.5	2382.9	2364.6	2360.4	2356.2	2354.8	2360.4	2373.0	2382.9
17.5°	2406.7	2410.9	2391.3	2366.0	2360.4	2361.8	2360.4	2364.6	2384.3	2402.5
20°	2420.8	2423.6	2396.9	2366.0	2360.4	2361.8	2360.4	2368.8	2394.1	2419.3
22.5°	2425.0	2427.8	2402.5	2375.8	2371.6	2373.0	2371.6	2380.1	2403.9	2429.2
25°	2426.4	2430.6	2410.9	2389.9	2396.9	2399.7	2396.9	2398.3	2416.5	2439.0
27.5°	2447.4	2453.0	2434.8	2416.5	2420.8	2419.3	2423.6	2427.8	2441.8	2464.3
30°	2490.9	2495.1	2479.7	2461.4	2458.6	2448.8	2461.4	2475.5	2490.9	2510.6
32.5°	2562.5	2570.9	2551.3	2531.6	2519.0	2513.4	2523.2	2547.1	2568.1	2589.2
35°	2681.8	2687.4	2669.1	2632.7	2610.2	2610.2	2618.6	2649.5	2683.2	2709.8
37.5°	2850.2	2857.2	2824.9	2781.4	2747.7	2747.7	2759.0	2791.2	2841.8	2879.6
40°	3055.1	3064.9	3024.2	2979.3	2947.0	2941.4	2955.4	2991.9	3039.6	3087.3
42.5°	3302.0	3313.3	3259.9	3220.7	3195.4	3195.4	3202.4	3236.1	3279.6	3338.5
45°	3617.8	3637.4	3564.5	3525.2	3501.3	3506.9	3511.1	3540.6	3579.9	3647.3
47.5°	3993.9	4013.5	3936.4	3895.7	3891.4	3918.1	3901.3	3922.3	3943.4	4020.6
50°	4420.5	4454.2	4400.9	4398.1	4406.5	4455.6	4416.3	4427.5	4403.7	4452.8
52.5°	4942.5	4991.7	4981.8	4998.7	5092.7	5193.7	5103.9	5064.6	4974.8	4990.3
55°	5575.4	5649.8	5663.9	5764.9	5978.2	6184.5	5993.6	5835.1	5644.2	5609.1
57.5°	6295.4	6354.3	6421.7	6627.9	7026.5	7392.8	7026.5	6675.7	6375.3	6303.8
60°	7070.0	7143.0	7207.5	7512.1	8104.3	8619.3	8093.0	7535.9	7138.8	7041.9
62.5°	7902.2	7996.2	8041.1	8379.3	9069.8	9684.4	9079.6	8404.6	7963.9	7860.1
65°	8700.7	8777.9	8828.4	9189.0	9848.6	10464.7	9893.5	9228.3	8775.1	8638.9
67.5°	9072.6	9114.7	9238.2	9646.5	10342.6	11045.6	10460.5	9690.0	9183.4	8944.9
70°	8528.1	8442.5	8740.0	9393.9	10401.5	11402.1	10536.2	9374.3	8754.0	8366.7
72.5°	6590.1	6442.7	6959.1	8077.6	9727.9	11174.8	9795.3	8140.7	7280.5	6494.6
75°	3585.5	3418.5	4131.4	5546.0	7757.6	9685.8	7935.9	5704.6	4600.1	3558.9
77.5°	1011.8	948.7	1524.0	2683.2	4666.1	6800.6	4845.7	2742.1	1807.5	1072.1
80°	310.1	300.3	407.0	808.3	1981.5	3257.1	1904.3	818.1	517.8	327.0
82.5°	183.8	168.4	202.1	294.7	505.2	1023.0	491.2	307.3	247.0	165.6
85°	105.3	98.2	119.3	143.1	169.8	217.5	141.7	145.9	131.9	88.4
87.5°	43.5	39.3	46.3	44.9	39.3	50.5	37.9	44.9	53.3	35.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2462.9
2454.4
2423.6
2389.9
2374.4
2374.4
2384.3
2402.5
2420.8
2429.2
2437.6
2458.6
2506.4
2580.7
2700.0
2865.6
3071.9
3334.3
3644.5
3998.1
4423.3
4938.3
5554.4
6253.3
6957.7
7775.9
8571.6
8947.7
8459.3
6689.7
3790.4
1191.4
345.2
179.6
92.6
32.3
0.0

OF REPORT)