

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: P846744

Luminaire Tested: **GLAN-SB2C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14539 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

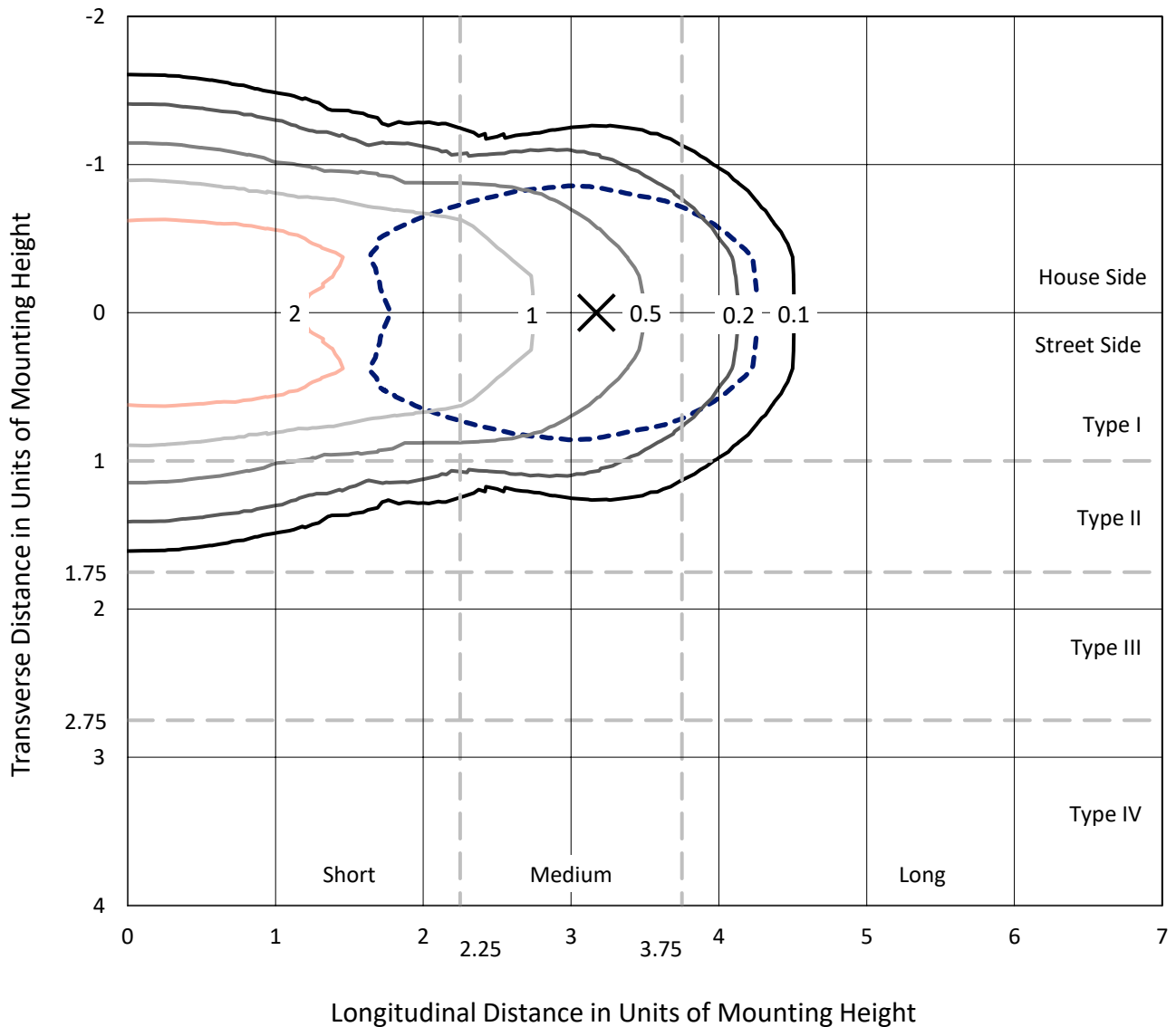
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

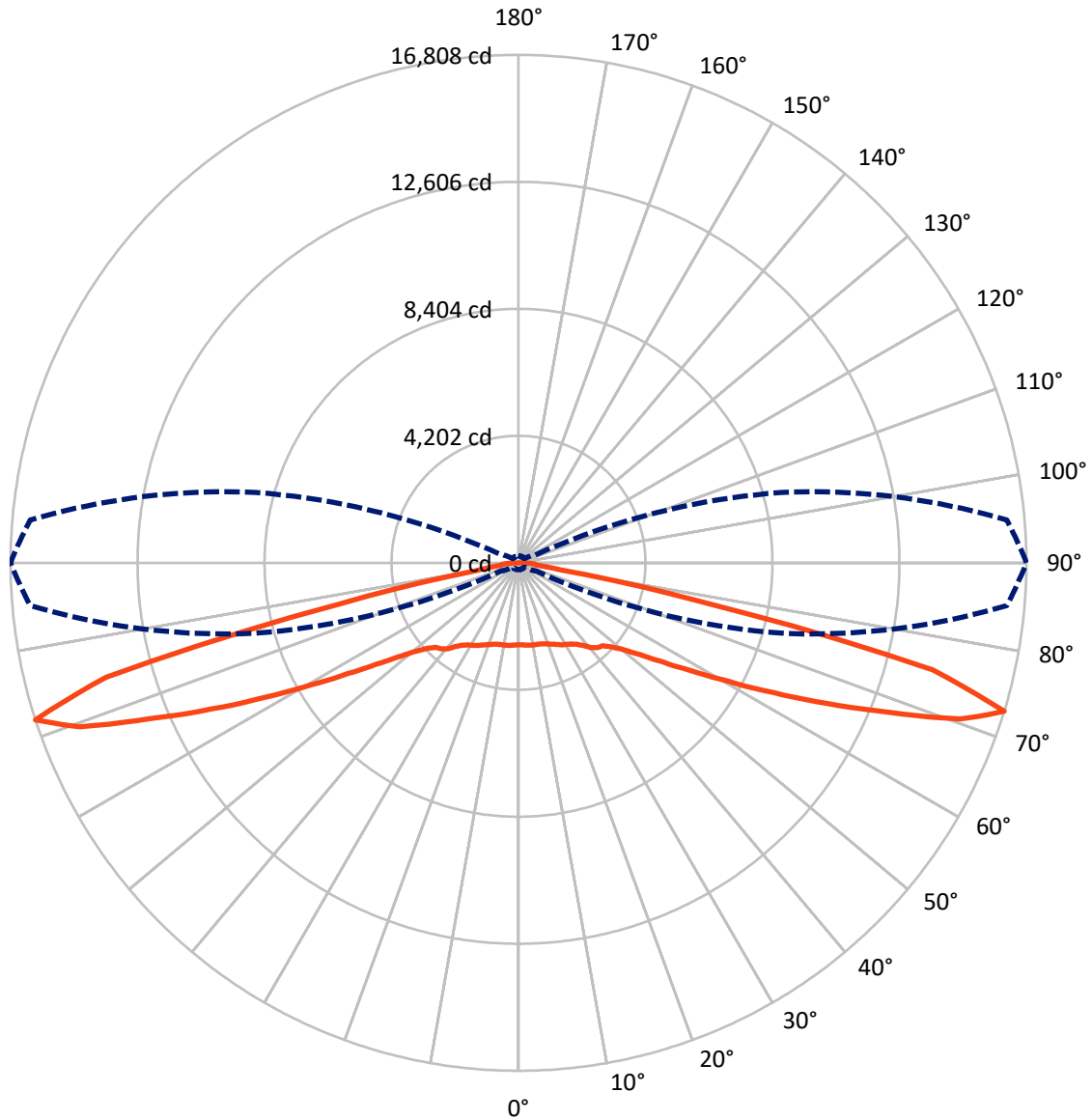
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7269.5	0.0	7269.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7269.5	0.0	7269.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14539.0	0.0	14539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	1.8
10°-20°	805.4	5.5
20°-30°	1343.0	9.2
30°-40°	1847.0	12.7
40°-50°	2255.7	15.5
50°-60°	2609.0	17.9
60°-70°	3110.8	21.4
70°-80°	2171.2	14.9
80°-90°	133.4	0.9
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°	14539.0	100.0
0°-180°	14539.0	100.0

Coefficient of Utilization

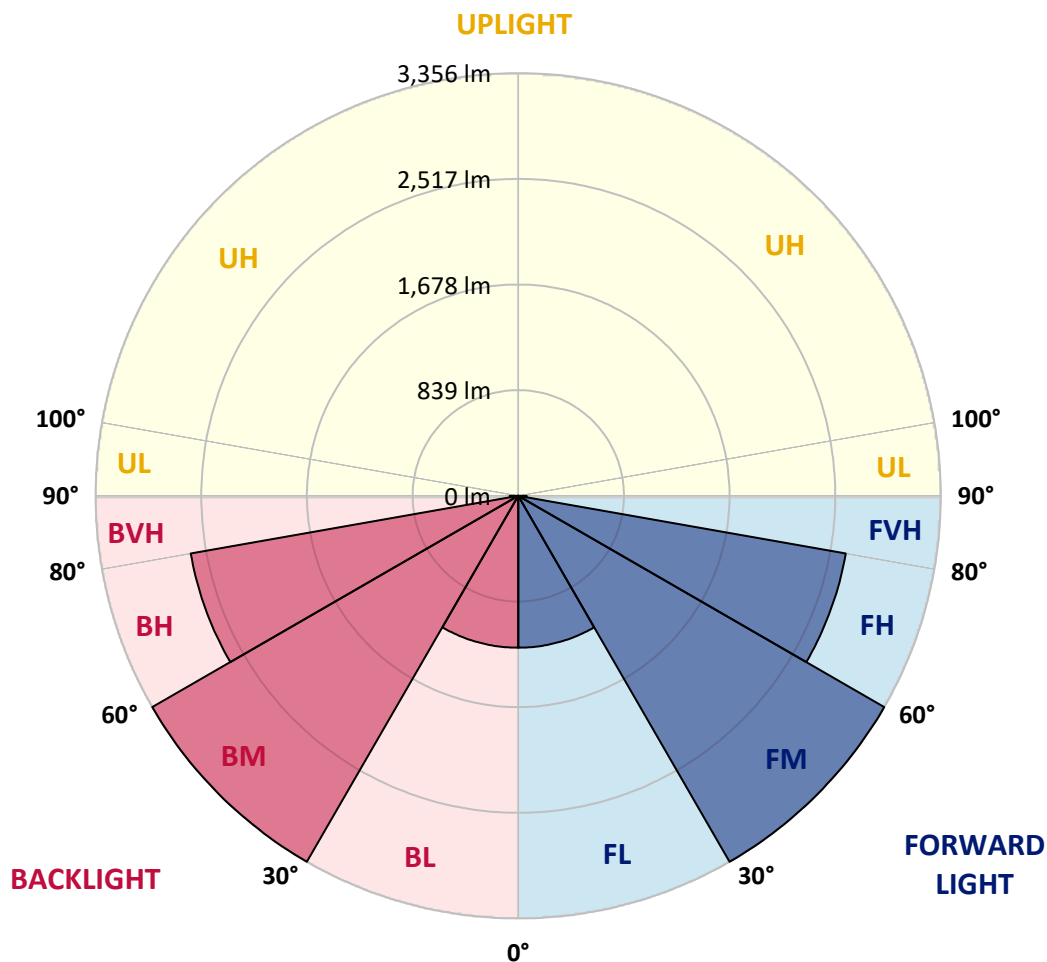


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1205.9	8.3			
FM (30°-60°)	3355.9	23.1			
FH (60°-80°)	2641.0	18.2			G2/5000
FVH (80°-90°)	66.7	0.5			G1/100
BL (0°-30°)	1205.9	8.3	B3/2500		
BM (30°-60°)	3355.9	23.1	B3/5000		
BH (60°-80°)	2641.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	66.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2716.8	2716.8	2716.8	2716.8	2716.8	2716.8	2716.8	2716.8	2716.8	2716.8
2.5°	2719.1	2722.2	2722.2	2719.9	2725.3	2720.6	2720.6	2718.3	2720.6	2718.3
5°	2733.0	2736.9	2738.4	2737.6	2744.6	2740.7	2740.7	2737.6	2738.4	2736.1
7.5°	2759.3	2764.7	2767.8	2771.6	2781.7	2777.0	2773.9	2764.7	2760.8	2754.6
10°	2767.8	2773.9	2784.0	2804.1	2827.3	2828.0	2818.8	2795.6	2777.8	2763.9
12.5°	2741.5	2750.0	2770.9	2811.8	2863.6	2884.4	2869.8	2831.1	2796.4	2771.6
15°	2708.3	2717.5	2749.2	2811.0	2887.5	2936.2	2934.7	2883.7	2828.0	2789.4
17.5°	2656.5	2665.8	2711.4	2797.9	2906.1	2986.4	3008.1	2955.5	2877.5	2825.7
20°	2563.0	2571.5	2634.9	2756.2	2912.3	3039.7	3096.2	3049.8	2952.4	2882.1
22.5°	2441.7	2454.8	2529.0	2684.3	2897.6	3095.4	3196.6	3164.9	3039.7	2942.4
25°	2311.9	2325.8	2412.3	2596.2	2859.7	3135.6	3315.6	3295.5	3138.7	3017.3
27.5°	2199.8	2214.5	2308.8	2508.9	2801.0	3151.0	3433.0	3443.1	3258.4	3100.0
30°	2111.8	2125.7	2226.1	2438.6	2725.3	3135.6	3535.8	3605.4	3380.5	3171.9
32.5°	2015.2	2032.9	2138.8	2352.8	2635.6	3098.5	3625.4	3780.8	3521.9	3249.1
35°	1893.1	1909.3	2020.6	2235.4	2518.2	3039.0	3700.4	3975.5	3724.3	3366.6
37.5°	1744.7	1760.2	1870.7	2088.6	2401.5	2955.5	3757.6	4194.9	3965.4	3535.8
40°	1595.6	1610.3	1713.8	1924.8	2261.7	2848.9	3777.7	4409.7	4242.0	3768.4
42.5°	1458.8	1472.0	1567.0	1763.3	2104.8	2712.9	3751.4	4596.7	4490.1	3930.7
45°	1332.9	1344.5	1428.7	1611.8	1941.8	2547.5	3672.6	4797.6	4785.2	4046.6
47.5°	1189.2	1200.8	1288.1	1465.0	1778.7	2353.6	3538.9	4995.4	5195.5	4309.3
50°	1013.8	1023.8	1113.4	1295.8	1609.5	2147.3	3353.5	5150.7	5713.2	4707.2
52.5°	805.9	816.7	904.0	1086.4	1408.6	1925.5	3109.3	5251.9	6311.3	5288.3
55°	599.6	607.3	683.1	846.9	1159.8	1672.9	2803.3	5280.5	6989.7	6082.6
57.5°	435.0	439.7	488.3	610.4	879.3	1356.8	2431.6	5206.4	7797.2	7101.0
60°	352.3	353.9	368.6	422.7	611.2	999.9	1982.7	4951.4	8673.4	8413.8
62.5°	319.9	319.9	323.8	338.4	413.4	659.9	1439.5	4422.9	9613.0	10072.7
65°	297.5	297.5	299.0	306.0	326.1	420.3	908.7	3562.1	10405.0	12016.0
67.5°	277.4	278.2	277.4	279.7	291.3	310.6	527.0	2460.2	10831.5	14029.7
70°	256.5	258.1	254.2	254.2	263.5	264.3	329.9	1349.1	10477.6	15717.2
72.5°	231.8	234.1	227.9	226.4	233.4	230.3	248.0	647.5	8995.6	16221.0
75°	210.2	213.3	199.4	195.5	195.5	193.2	201.7	332.3	5838.4	13232.3
77.5°	190.9	197.0	174.6	162.3	159.2	152.2	164.6	203.2	2553.7	6212.4
80°	157.6	166.1	143.7	129.0	123.6	115.9	129.8	142.2	759.6	1442.6
82.5°	117.4	121.3	102.0	91.9	87.3	81.9	97.4	98.9	247.3	510.7
85°	75.0	76.5	62.6	54.1	51.8	49.5	61.8	54.1	94.3	375.5
87.5°	26.3	30.1	24.0	21.6	23.2	19.3	28.6	16.2	26.3	265.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2716.8
2718.3
2736.1
2754.6
2761.6
2767.8
2783.2
2817.2
2869.0
2924.6
2992.6
3073.7
3134.0
3201.2
3313.3
3464.7
3692.7
3833.3
3915.2
4157.8
4517.1
5054.1
5789.7
6732.4
7949.4
9450.7
11229.5
13180.5
15493.9
16808.2
14153.3
6083.4
1381.6
577.2
545.5
328.4
0.0

OF REPORT)