

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: P848161

Luminaire Tested: **GLAN-SB4C-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848161
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25137 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

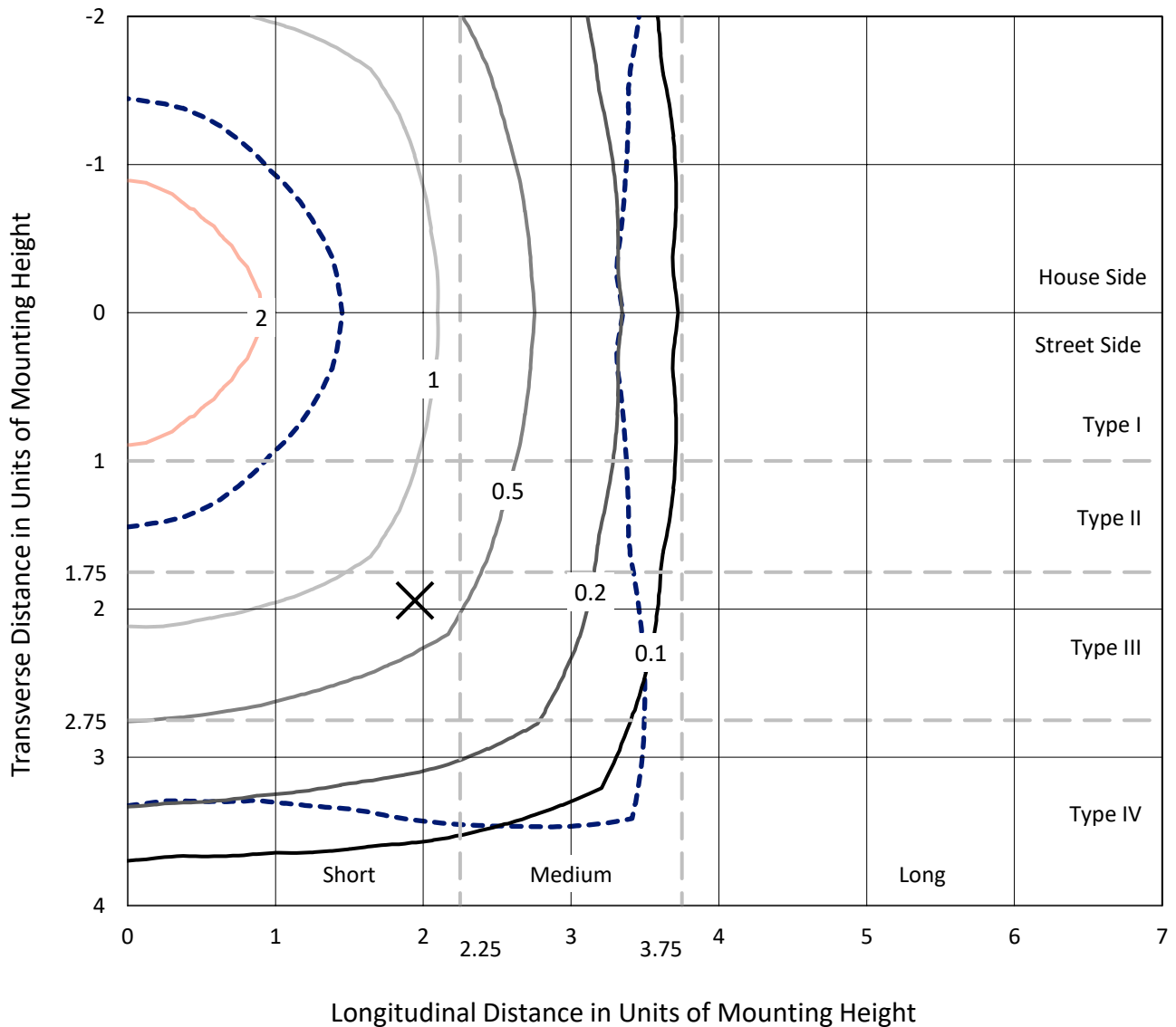
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

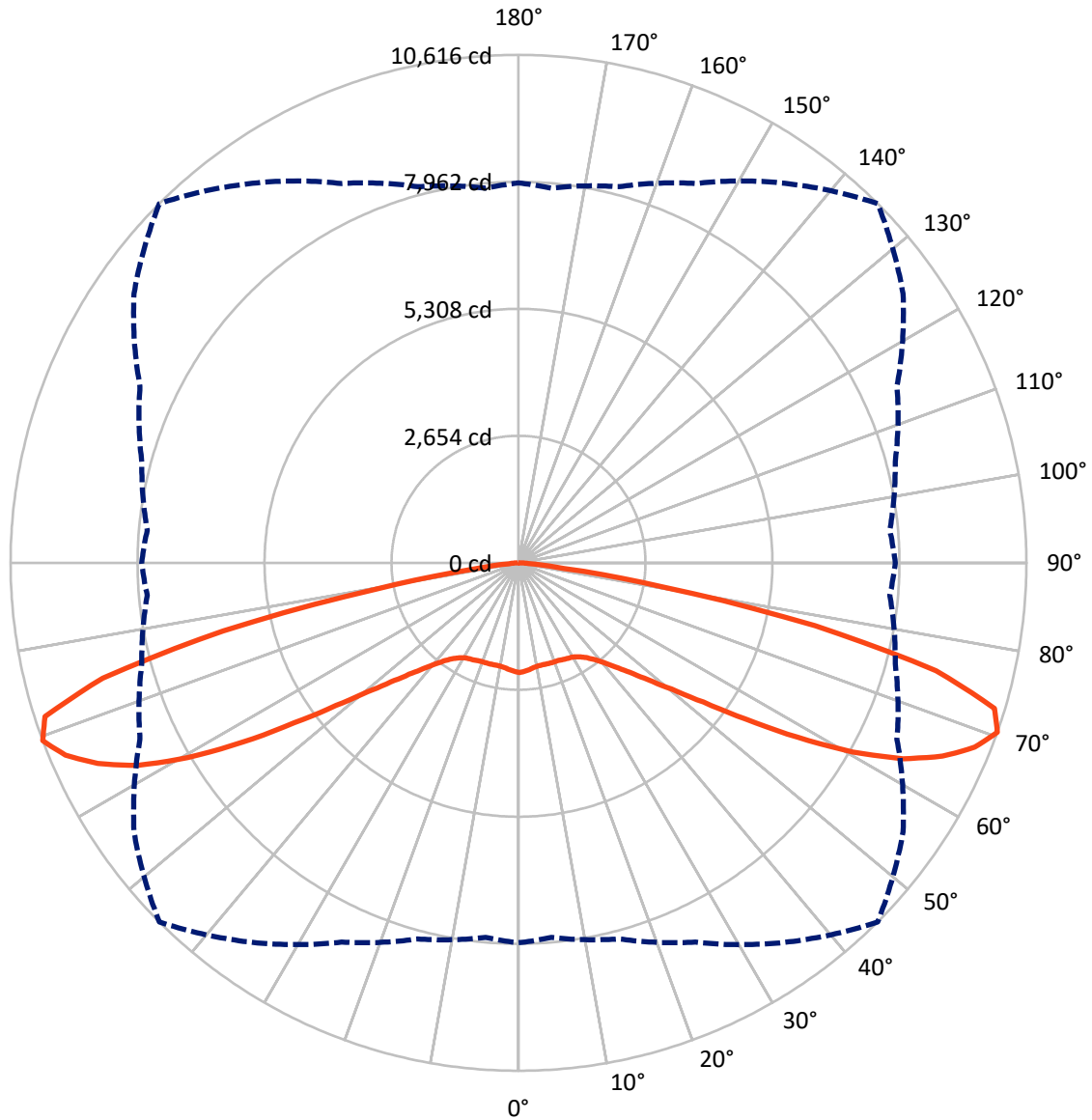
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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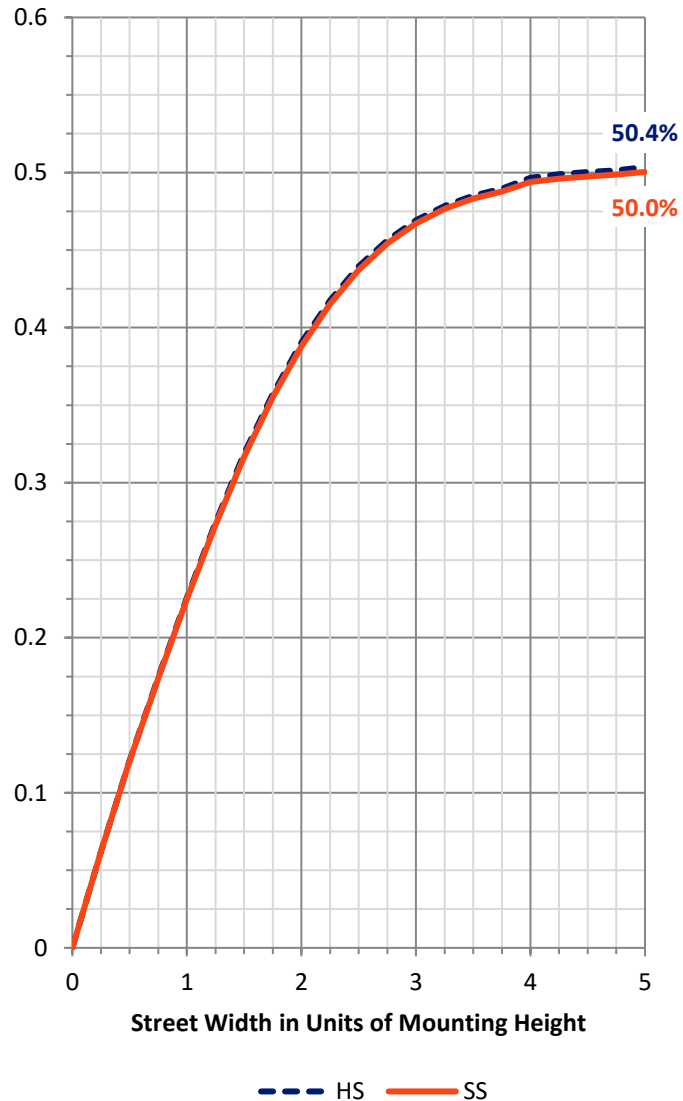
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12568.5	0.0	12568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12568.5	0.0	12568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25137.0	0.0	25137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	0.8
10°-20°	626.3	2.5
20°-30°	1042.3	4.1
30°-40°	1576.2	6.3
40°-50°	2619.3	10.4
50°-60°	4942.6	19.7
60°-70°	8345.7	33.2
70°-80°	5484.0	21.8
80°-90°	287.3	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°	25137.0	100.0
0°-180°	25137.0	100.0

Coefficient of Utilization



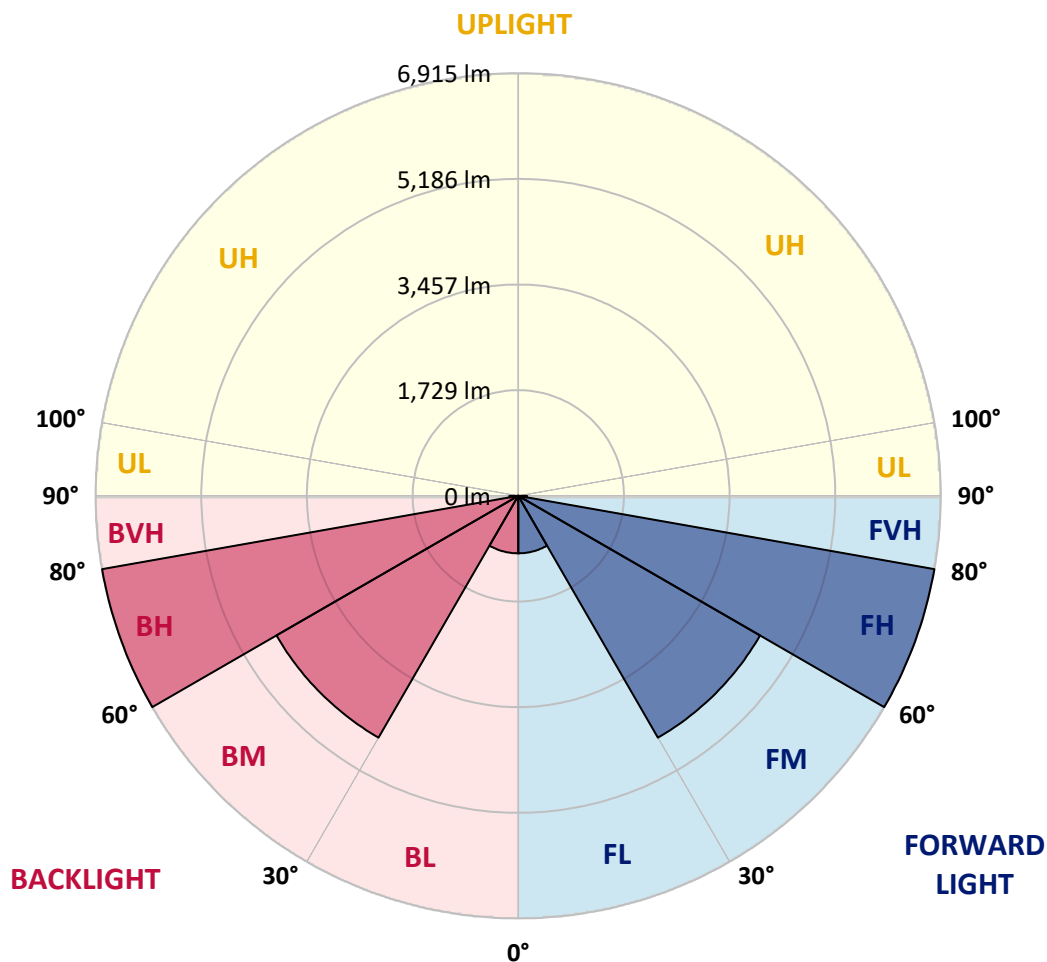
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	940.9	3.7			
FM (30°-60°)	4569.0	18.2			
FH (60°-80°)	6914.8	27.5			G3/7500
FVH (80°-90°)	143.7	0.6			G2/225
BL (0°-30°)	940.9	3.7	B2/1000		
BM (30°-60°)	4569.0	18.2	B3/5000		
BH (60°-80°)	6914.8	27.5	B5		G3/7500
BVH (80°-90°)	143.7	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°	2293.0	2293.0	2293.0	2293.0	2293.0	2293.0	2293.0	2293.0	2293.0	2293.0
2.5°	2278.6	2285.2	2282.5	2277.3	2277.3	2273.4	2277.3	2279.9	2283.9	2286.5
5°	2248.6	2253.8	2252.5	2248.6	2249.9	2246.0	2248.6	2252.5	2255.1	2256.4
7.5°	2222.4	2227.7	2225.1	2218.5	2218.5	2214.6	2215.9	2219.8	2223.8	2225.1
10°	2215.9	2221.1	2213.3	2202.8	2198.9	2193.7	2195.0	2198.9	2206.8	2210.7
12.5°	2218.5	2222.4	2214.6	2198.9	2195.0	2189.8	2189.8	2193.7	2204.2	2209.4
15°	2226.4	2230.3	2218.5	2201.5	2197.6	2193.7	2192.4	2197.6	2209.4	2218.5
17.5°	2240.7	2244.7	2226.4	2202.8	2197.6	2198.9	2197.6	2201.5	2219.8	2236.8
20°	2253.8	2256.4	2231.6	2202.8	2197.6	2198.9	2197.6	2205.5	2229.0	2252.5
22.5°	2257.7	2260.3	2236.8	2212.0	2208.1	2209.4	2208.1	2215.9	2238.1	2261.6
25°	2259.0	2262.9	2244.7	2225.1	2231.6	2234.2	2231.6	2232.9	2249.9	2270.8
27.5°	2278.6	2283.9	2266.9	2249.9	2253.8	2252.5	2256.4	2260.3	2273.4	2294.3
30°	2319.1	2323.1	2308.7	2291.7	2289.1	2279.9	2291.7	2304.8	2319.1	2337.4
32.5°	2385.8	2393.6	2375.3	2357.0	2345.3	2340.0	2349.2	2371.4	2391.0	2410.6
35°	2496.8	2502.0	2485.1	2451.1	2430.2	2430.2	2438.0	2466.8	2498.1	2523.0
37.5°	2653.6	2660.1	2630.1	2589.6	2558.2	2558.2	2568.7	2598.7	2645.8	2681.0
40°	2844.4	2853.5	2815.6	2773.8	2743.8	2738.5	2751.6	2785.6	2830.0	2874.4
42.5°	3074.3	3084.8	3035.1	2998.5	2975.0	2975.0	2981.6	3012.9	3053.4	3108.3
45°	3368.3	3386.6	3318.6	3282.1	3259.8	3265.1	3269.0	3296.4	3333.0	3395.7
47.5°	3718.4	3736.7	3664.9	3627.0	3623.1	3647.9	3632.2	3651.8	3671.4	3743.3
50°	4115.6	4147.0	4097.4	4094.7	4102.6	4148.3	4111.7	4122.2	4100.0	4145.7
52.5°	4601.7	4647.4	4638.3	4653.9	4741.5	4835.6	4751.9	4715.3	4631.7	4646.1
55°	5190.9	5260.2	5273.2	5367.3	5565.9	5758.0	5580.3	5432.6	5255.0	5222.3
57.5°	5861.2	5916.1	5978.8	6170.8	6541.9	6882.9	6541.9	6215.3	5935.7	5869.0
60°	6582.4	6650.4	6710.5	6994.0	7545.3	8024.8	7534.9	7016.2	6646.4	6556.3
62.5°	7357.2	7444.7	7486.5	7801.4	8444.3	9016.5	8453.4	7824.9	7414.7	7318.0
65°	8100.6	8172.5	8219.5	8555.3	9169.4	9743.0	9211.2	8591.9	8169.9	8043.1
67.5°	8446.9	8486.1	8601.0	8981.2	9629.3	10283.9	9739.0	9021.7	8550.1	8328.0
70°	7939.9	7860.2	8137.2	8746.1	9684.2	10615.7	9809.6	8727.8	8150.3	7789.7
72.5°	6135.6	5998.4	6479.2	7520.5	9057.0	10404.1	9119.7	7579.3	6778.4	6046.7
75°	3338.2	3182.8	3846.5	5163.5	7222.6	9017.8	7388.6	5311.1	4282.9	3313.4
77.5°	942.0	883.2	1418.9	2498.1	4344.3	6331.6	4511.5	2553.0	1682.8	998.2
80°	288.7	279.6	378.9	752.6	1844.9	3032.5	1773.0	761.7	482.1	304.4
82.5°	171.2	156.8	188.1	274.4	470.4	952.5	457.3	286.1	230.0	154.2
85°	98.0	91.5	111.1	133.3	158.1	202.5	132.0	135.9	122.8	82.3
87.5°	40.5	36.6	43.1	41.8	36.6	47.0	35.3	41.8	49.6	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2293.0
2285.2
2256.4
2225.1
2210.7
2210.7
2219.8
2236.8
2253.8
2261.6
2269.5
2289.1
2333.5
2402.8
2513.8
2668.0
2860.0
3104.4
3393.1
3722.4
4118.3
4597.8
5171.3
5822.0
6477.9
7239.6
7980.4
8330.6
7875.9
6228.3
3529.0
1109.3
321.4
167.2
86.2
30.1
0.0

OF REPORT)