

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: P848331

Luminaire Tested: **GLAN-SB4D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848331
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-SB4D-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34156 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

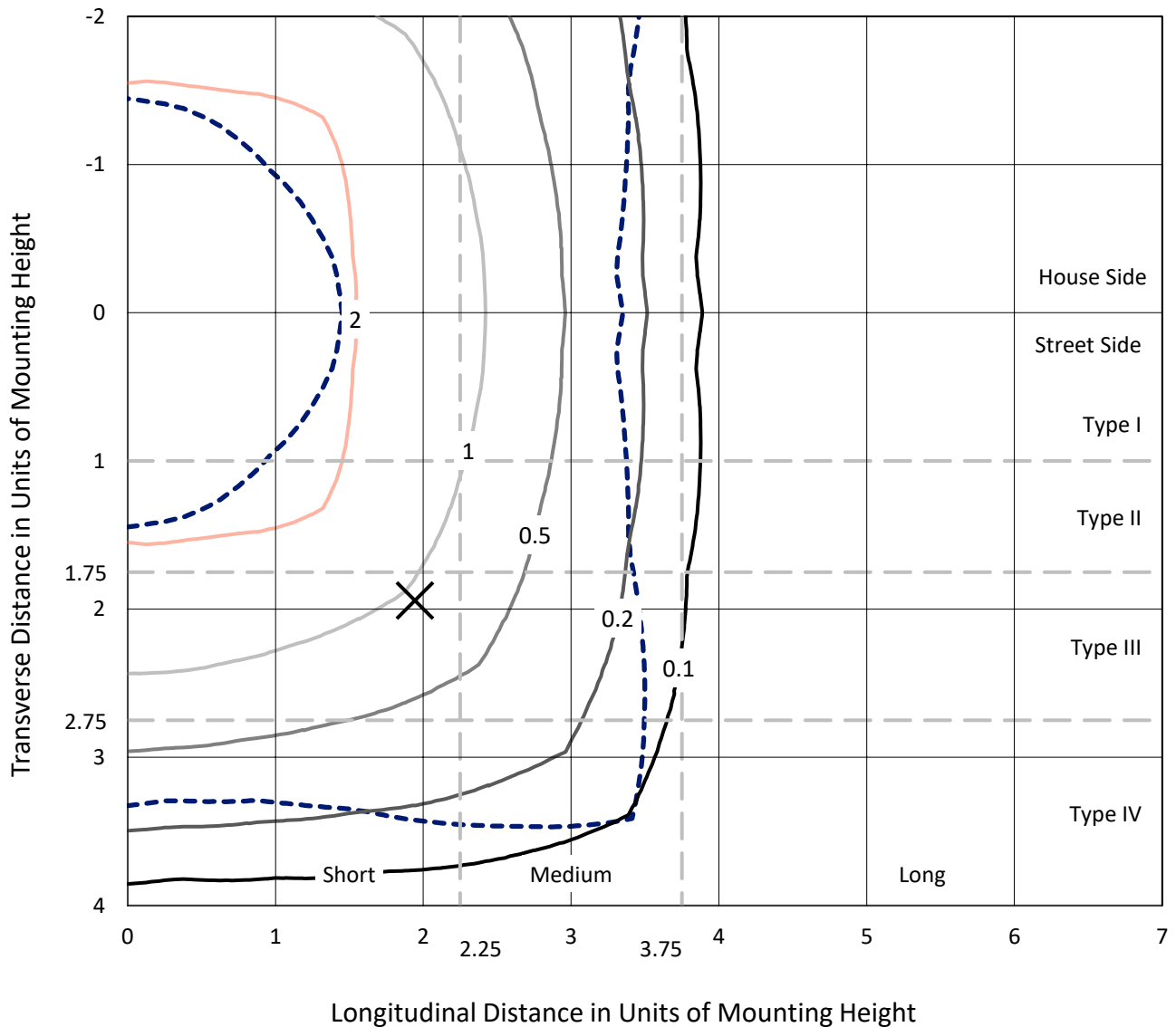
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

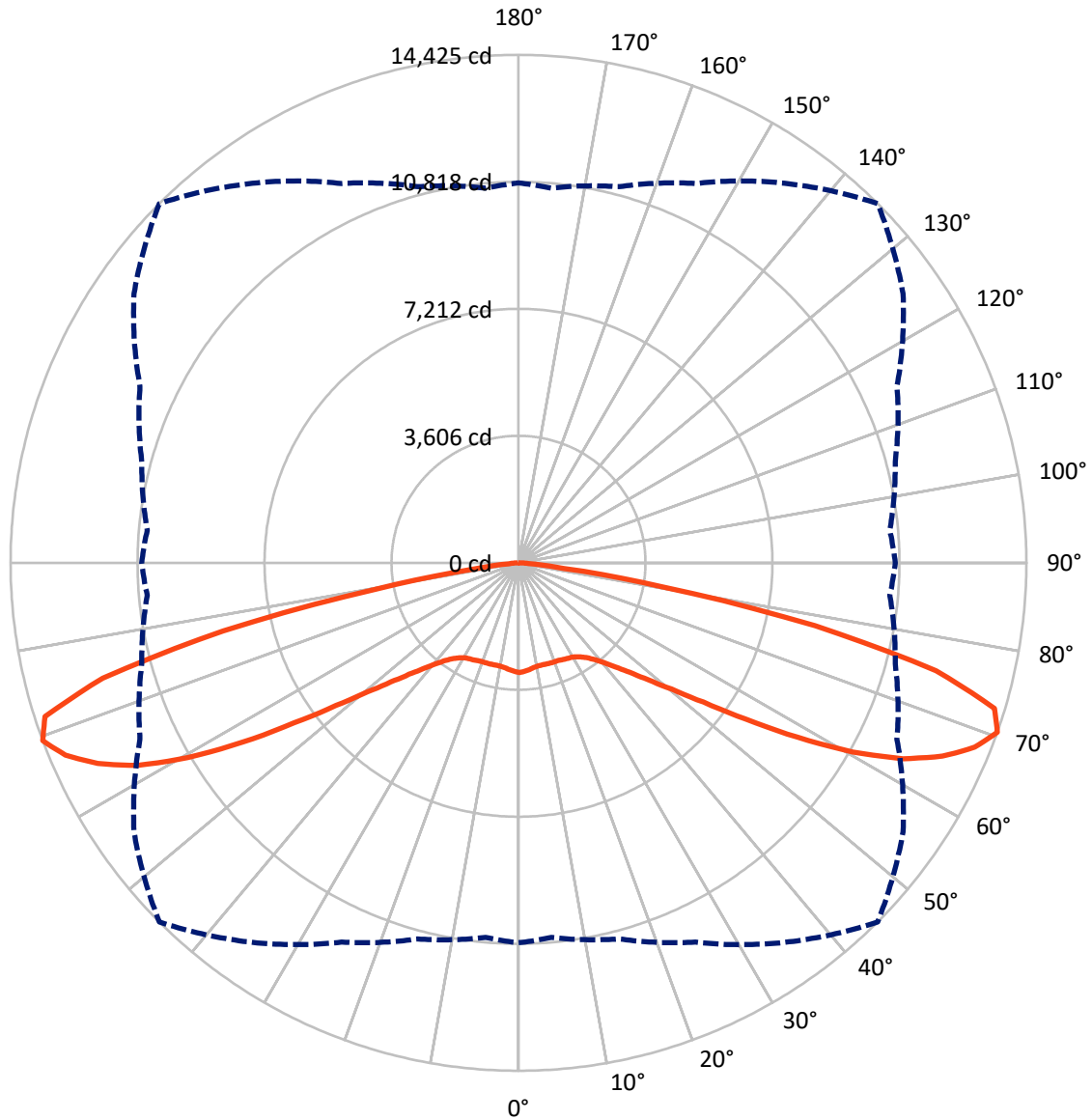
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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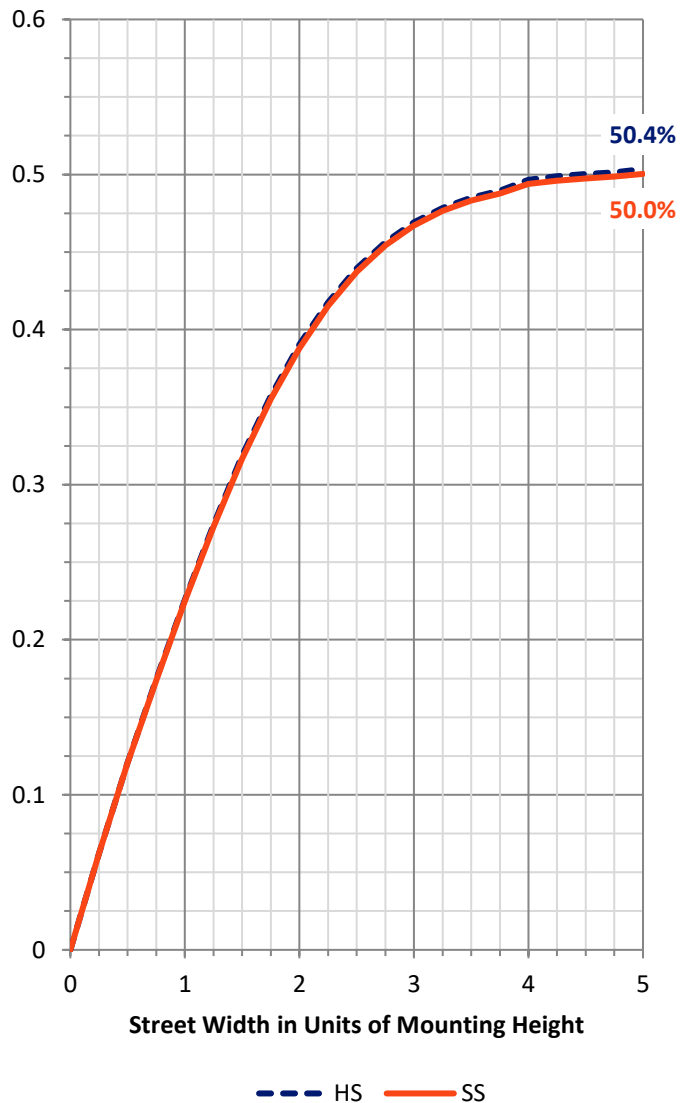
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17078.0	0.0	17078.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17078.0	0.0	17078.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34156.0	0.0	34156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.8	0.8
10°-20°	851.0	2.5
20°-30°	1416.2	4.1
30°-40°	2141.8	6.3
40°-50°	3559.1	10.4
50°-60°	6715.9	19.7
60°-70°	11340.1	33.2
70°-80°	7451.6	21.8
80°-90°	390.4	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°	34156.0	100.0
0°-180°	34156.0	100.0

Coefficient of Utilization

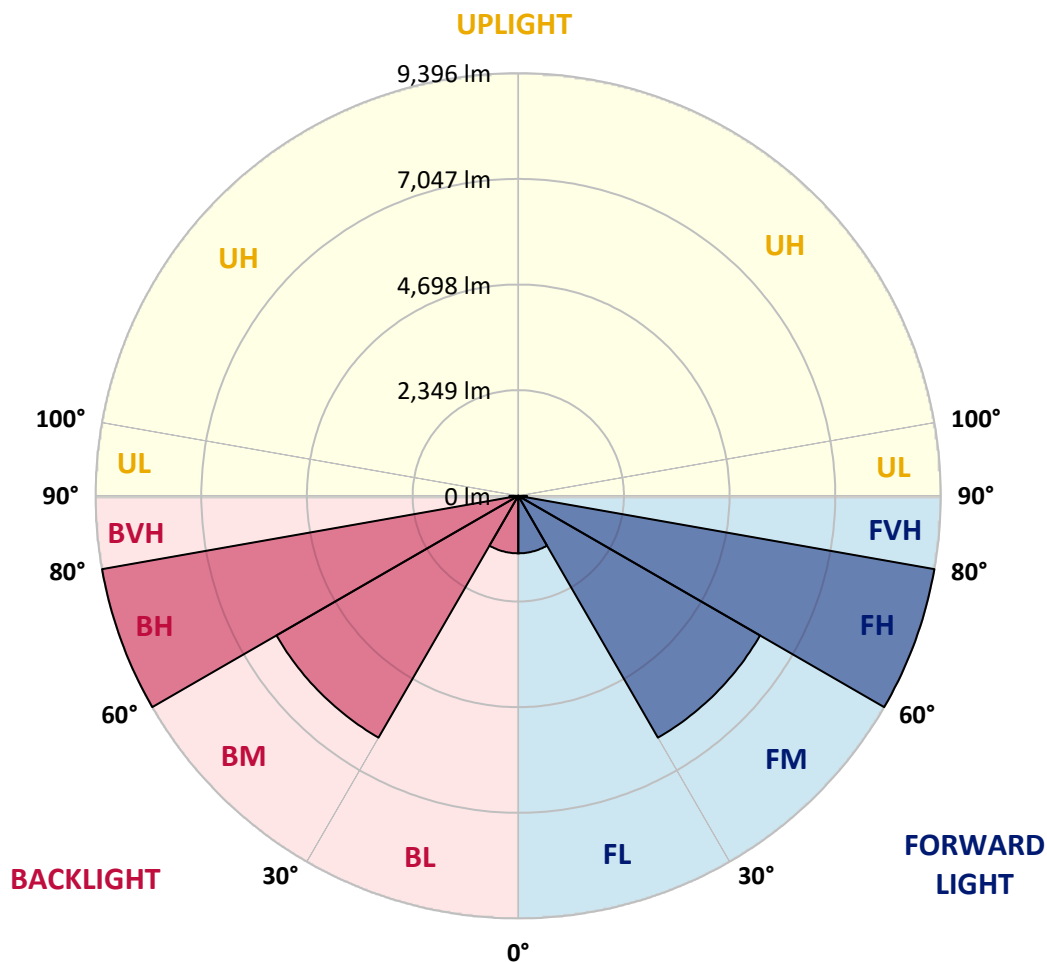


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1278.5	3.7			
FM (30°-60°)	6208.4	18.2			
FH (60°-80°)	9395.9	27.5			G4/12000
FVH (80°-90°)	195.2	0.6			G2/225
BL (0°-30°)	1278.5	3.7	B3/2500		
BM (30°-60°)	6208.4	18.2	B4/8500		
BH (60°-80°)	9395.9	27.5	B5		G4/12000
BVH (80°-90°)	195.2	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-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3115.7	3115.7	3115.7	3115.7	3115.7	3115.7	3115.7	3115.7	3115.7	3115.7
2.5°	3096.2	3105.1	3101.5	3094.4	3094.4	3089.1	3094.4	3098.0	3103.3	3106.8
5°	3055.4	3062.5	3060.7	3055.4	3057.1	3051.8	3055.4	3060.7	3064.2	3066.0
7.5°	3019.8	3026.9	3023.4	3014.5	3014.5	3009.2	3011.0	3016.3	3021.6	3023.4
10°	3011.0	3018.1	3007.4	2993.2	2987.9	2980.8	2982.6	2987.9	2998.5	3003.9
12.5°	3014.5	3019.8	3009.2	2987.9	2982.6	2975.5	2975.5	2980.8	2995.0	3002.1
15°	3025.2	3030.5	3014.5	2991.4	2986.1	2980.8	2979.0	2986.1	3002.1	3014.5
17.5°	3044.7	3050.0	3025.2	2993.2	2986.1	2987.9	2986.1	2991.4	3016.3	3039.4
20°	3062.5	3066.0	3032.3	2993.2	2986.1	2987.9	2986.1	2996.8	3028.7	3060.7
22.5°	3067.8	3071.3	3039.4	3005.6	3000.3	3002.1	3000.3	3011.0	3041.2	3073.1
25°	3069.6	3074.9	3050.0	3023.4	3032.3	3035.8	3032.3	3034.0	3057.1	3085.5
27.5°	3096.2	3103.3	3080.2	3057.1	3062.5	3060.7	3066.0	3071.3	3089.1	3117.5
30°	3151.2	3156.5	3137.0	3113.9	3110.4	3098.0	3113.9	3131.7	3151.2	3176.1
32.5°	3241.8	3252.4	3227.6	3202.7	3186.7	3179.6	3192.1	3222.2	3248.9	3275.5
35°	3392.7	3399.8	3376.7	3330.5	3302.1	3302.1	3312.8	3351.8	3394.4	3428.2
37.5°	3605.7	3614.6	3573.8	3518.7	3476.1	3476.1	3490.3	3531.1	3595.1	3643.0
40°	3864.9	3877.3	3825.8	3769.0	3728.2	3721.1	3738.9	3785.0	3845.4	3905.7
42.5°	4177.4	4191.6	4124.1	4074.4	4042.4	4042.4	4051.3	4093.9	4149.0	4223.5
45°	4576.8	4601.7	4509.4	4459.6	4429.5	4436.6	4441.9	4479.2	4528.9	4614.1
47.5°	5052.6	5077.5	4979.8	4928.3	4923.0	4956.7	4935.4	4962.1	4988.7	5086.3
50°	5592.3	5634.9	5567.5	5563.9	5574.6	5636.7	5587.0	5601.2	5571.0	5633.1
52.5°	6252.7	6314.9	6302.4	6323.7	6442.7	6570.5	6456.9	6407.2	6293.6	6313.1
55°	7053.4	7147.5	7165.3	7293.1	7562.9	7823.9	7582.5	7381.8	7140.4	7096.0
57.5°	7964.2	8038.7	8123.9	8384.9	8889.1	9352.5	8889.1	8445.3	8065.4	7974.8
60°	8944.1	9036.5	9118.1	9503.4	10252.6	10904.1	10238.4	9533.6	9031.1	8908.6
62.5°	9996.9	10115.9	10172.7	10600.5	11474.0	12251.6	11486.4	10632.5	10075.0	9943.7
65°	11007.1	11104.7	11168.6	11624.9	12459.3	13238.7	12516.1	11674.6	11101.2	10929.0
67.5°	11477.5	11530.8	11687.0	12203.7	13084.2	13973.7	13233.4	12258.7	11617.8	11316.0
70°	10788.7	10680.4	11056.8	11884.1	13158.8	14424.6	13329.2	11859.2	11074.5	10584.6
72.5°	8337.0	8150.6	8803.9	10218.8	12306.6	14137.0	12391.8	10298.7	9210.4	8216.3
75°	4536.0	4324.7	5226.6	7016.1	9814.1	12253.4	10039.5	7216.7	5819.6	4502.3
77.5°	1280.0	1200.1	1928.0	3394.4	5903.0	8603.3	6130.2	3469.0	2286.6	1356.4
80°	392.3	379.9	514.8	1022.6	2506.8	4120.6	2409.1	1035.0	655.1	413.7
82.5°	232.6	213.0	255.6	372.8	639.1	1294.2	621.4	388.8	312.5	209.5
85°	133.2	124.3	150.9	181.1	214.8	275.2	179.3	184.6	166.9	111.8
87.5°	55.0	49.7	58.6	56.8	49.7	63.9	47.9	56.8	67.5	44.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3115.7
3105.1
3066.0
3023.4
3003.9
3003.9
3016.3
3039.4
3062.5
3073.1
3083.8
3110.4
3170.8
3264.8
3415.7
3625.2
3886.2
4218.2
4610.5
5057.9
5595.9
6247.4
7026.8
7910.9
8802.1
9837.1
10843.8
11319.5
10701.7
8463.0
4795.2
1507.3
436.7
227.2
117.2
40.8
0.0

OF REPORT)