

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: P848334

Luminaire Tested: **GLAN-SB4D-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848334  
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-SB4D-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33405 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

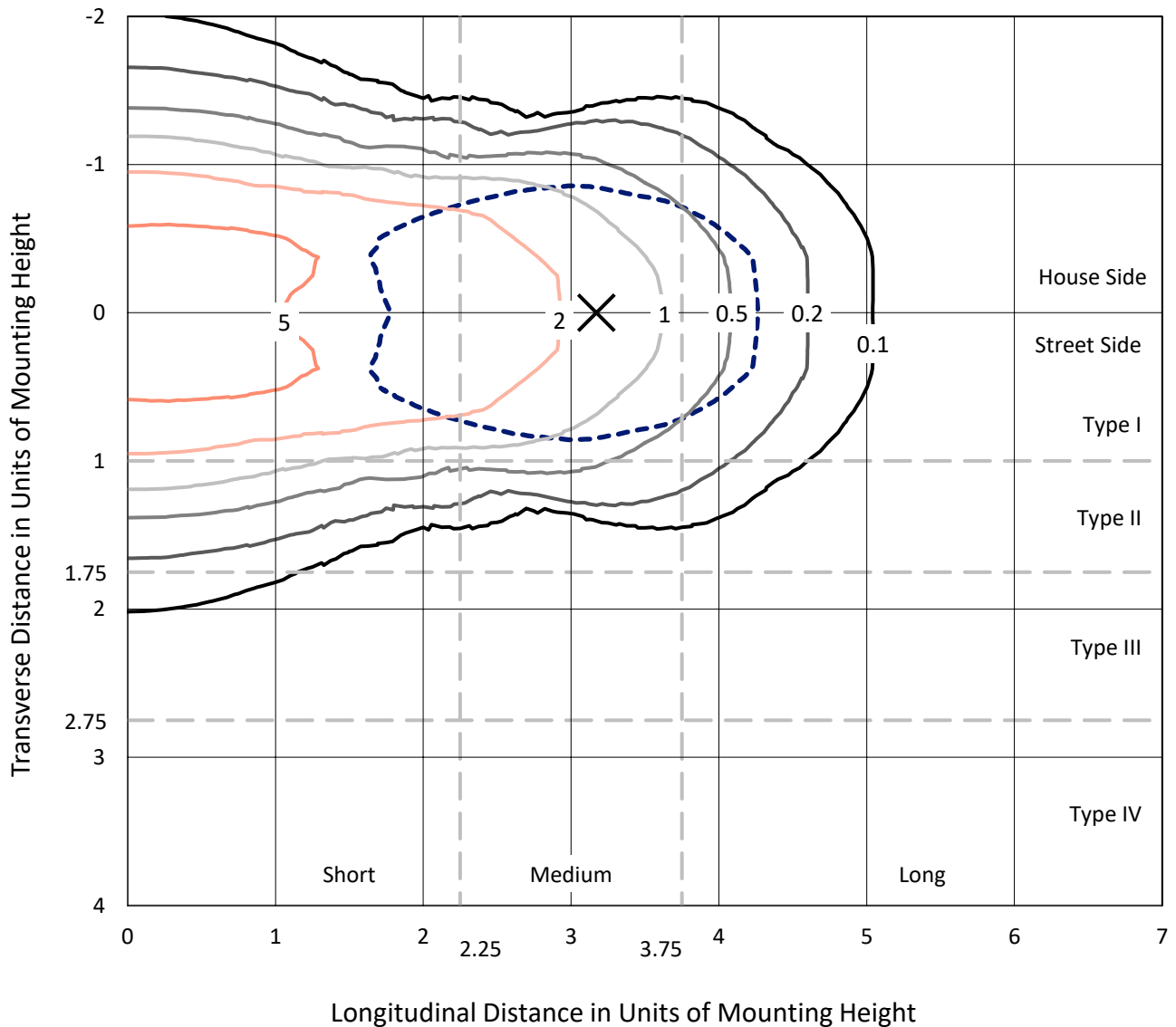
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

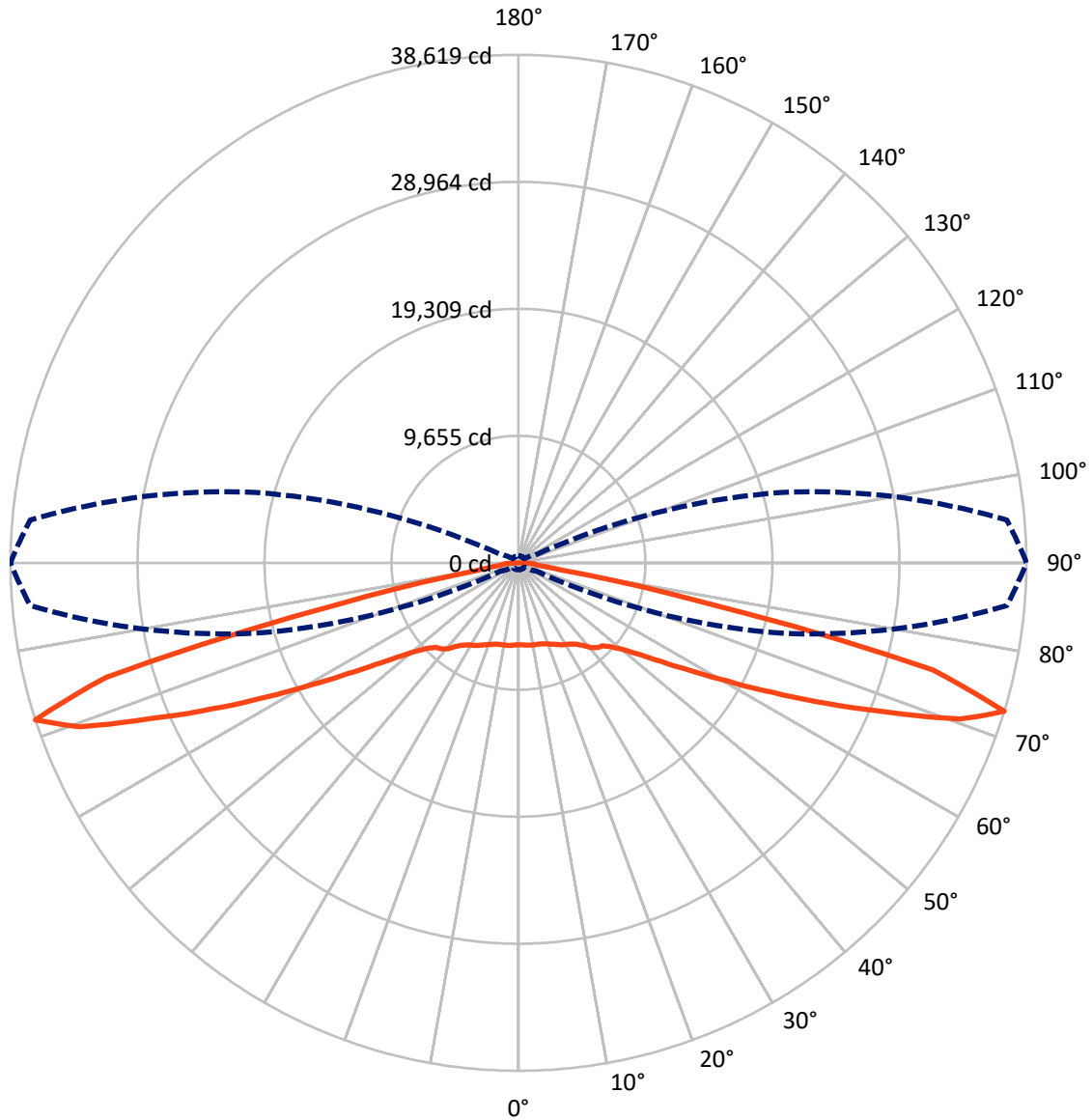
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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
<b>House Side</b>	Lumens	16702.5	0.0	16702.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16702.5	0.0	16702.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33405.0	0.0	33405.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	605.2	1.8
10°-20°	1850.6	5.5
20°-30°	3085.7	9.2
30°-40°	4243.8	12.7
40°-50°	5182.8	15.5
50°-60°	5994.5	17.9
60°-70°	7147.5	21.4
70°-80°	4988.5	14.9
80°-90°	306.4	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°	33405.0	100.0
0°-180°	33405.0	100.0

**Coefficient of Utilization**

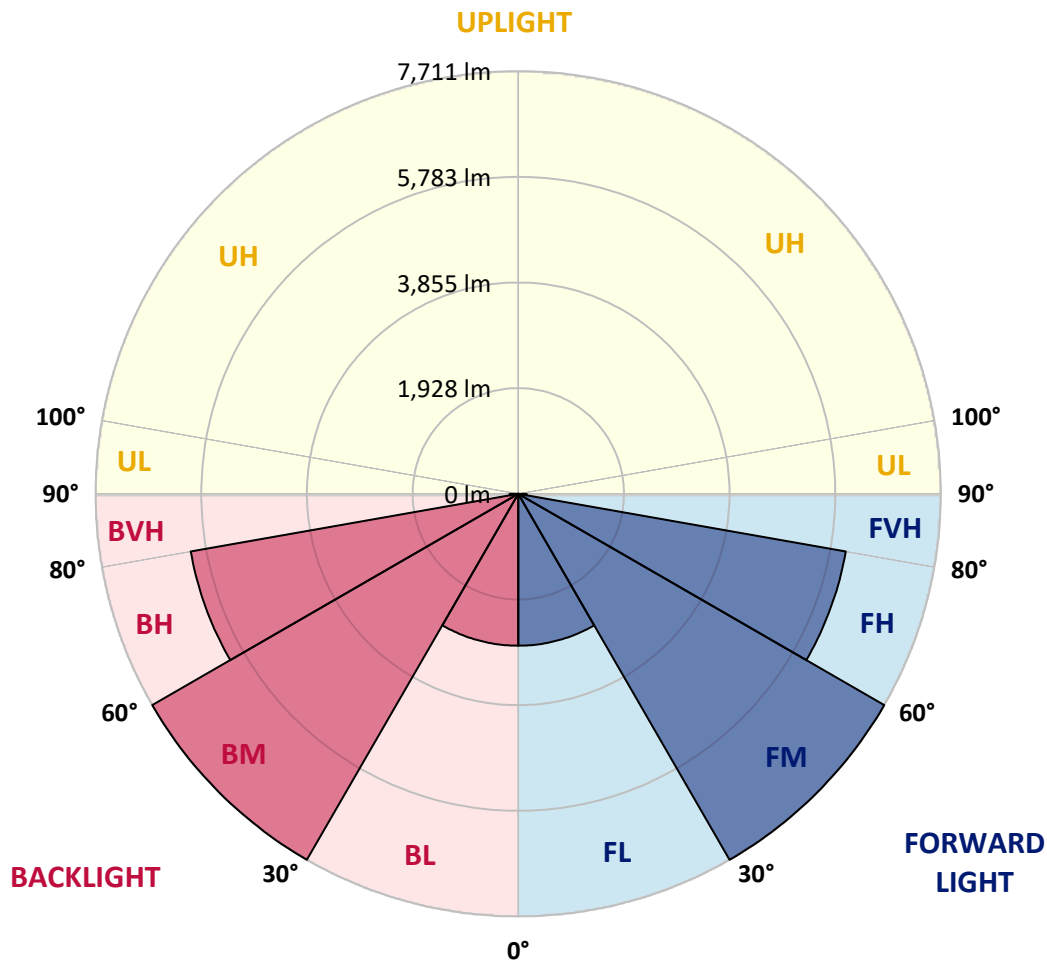


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2770.8	8.3			
FM (30°-60°)	7710.6	23.1			
FH (60°-80°)	6068.0	18.2			G3/7500
FVH (80°-90°)	153.2	0.5			G2/225
BL (0°-30°)	2770.8	8.3	B4/5000		
BM (30°-60°)	7710.6	23.1	B4/8500		
BH (60°-80°)	6068.0	18.2	B5		G5
BVH (80°-90°)	153.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6242.1	6242.1	6242.1	6242.1	6242.1	6242.1	6242.1	6242.1	6242.1	6242.1
2.5°	6247.4	6254.5	6254.5	6249.2	6261.6	6251.0	6251.0	6245.6	6251.0	6245.6
5°	6279.4	6288.2	6291.8	6290.0	6306.0	6297.1	6297.1	6290.0	6291.8	6286.5
7.5°	6339.7	6352.1	6359.2	6368.1	6391.2	6380.6	6373.5	6352.1	6343.3	6329.1
10°	6359.2	6373.5	6396.5	6442.7	6495.9	6497.7	6476.4	6423.2	6382.3	6350.4
12.5°	6298.9	6318.4	6366.4	6460.4	6579.4	6627.3	6593.6	6504.8	6424.9	6368.1
15°	6222.5	6243.9	6316.6	6458.7	6634.4	6746.3	6742.7	6625.5	6497.7	6409.0
17.5°	6103.6	6124.9	6229.6	6428.5	6677.0	6861.7	6911.4	6790.7	6611.3	6492.4
20°	5888.8	5908.3	6053.9	6332.6	6691.2	6984.2	7113.8	7007.2	6783.6	6622.0
22.5°	5610.1	5640.2	5810.7	6167.5	6657.5	7112.0	7344.6	7271.8	6984.2	6760.5
25°	5311.8	5343.8	5542.6	5965.1	6570.5	7204.3	7618.0	7571.8	7211.4	6932.7
27.5°	5054.4	5088.1	5304.7	5764.5	6435.6	7239.8	7887.8	7910.9	7486.6	7122.6
30°	4852.0	4883.9	5114.7	5603.0	6261.6	7204.3	8123.9	8283.7	7767.1	7287.7
32.5°	4630.1	4670.9	4914.1	5405.9	6055.7	7119.1	8329.9	8686.7	8092.0	7465.3
35°	4349.6	4386.9	4642.5	5136.0	5785.8	6982.4	8502.1	9134.1	8557.1	7735.1
37.5°	4008.7	4044.2	4298.1	4798.7	5517.7	6790.7	8633.5	9638.3	9111.0	8123.9
40°	3666.1	3699.8	3937.7	4422.4	5196.4	6545.7	8679.6	10131.8	9746.6	8658.3
42.5°	3351.8	3382.0	3600.4	4051.3	4836.0	6233.2	8619.3	10561.5	10316.5	9031.1
45°	3062.5	3089.1	3282.6	3703.3	4461.4	5853.3	8438.2	11023.1	10994.6	9297.4
47.5°	2732.2	2758.9	2959.5	3366.0	4086.8	5407.7	8131.0	11477.5	11937.4	9901.0
50°	2329.2	2352.3	2558.3	2977.2	3698.0	4933.7	7705.0	11834.4	13126.8	10815.3
52.5°	1851.7	1876.5	2077.1	2496.1	3236.4	4424.1	7143.9	12067.0	14500.9	12150.4
55°	1377.7	1395.4	1569.4	1945.8	2664.8	3843.6	6440.9	12132.6	16059.7	13975.4
57.5°	999.5	1010.2	1122.0	1402.5	2020.3	3117.5	5587.0	11962.2	17914.9	16315.3
60°	809.6	813.1	846.8	971.1	1404.3	2297.3	4555.5	11376.3	19928.1	19331.6
62.5°	735.0	735.0	743.9	777.6	949.8	1516.1	3307.4	10162.0	22086.9	23143.3
65°	683.5	683.5	687.1	703.0	749.2	965.8	2087.8	8184.3	23906.7	27608.2
67.5°	637.3	639.1	637.3	642.7	669.3	713.7	1210.8	5652.7	24886.6	32234.8
70°	589.4	593.0	584.1	584.1	605.4	607.2	758.1	3099.7	24073.5	36112.1
72.5°	532.6	537.9	523.7	520.2	536.2	529.0	569.9	1487.7	20668.4	37269.6
75°	482.9	490.0	458.0	449.2	449.2	443.8	463.4	763.4	13414.4	30402.6
77.5°	438.5	452.7	401.2	372.8	365.7	349.7	378.1	466.9	5867.5	14273.7
80°	362.2	381.7	330.2	296.5	284.1	266.3	298.3	326.7	1745.2	3314.5
82.5°	269.9	278.7	234.3	211.3	200.6	188.2	223.7	227.2	568.1	1173.5
85°	172.2	175.8	143.8	124.3	118.9	113.6	142.0	124.3	216.6	862.8
87.5°	60.4	69.2	55.0	49.7	53.3	44.4	65.7	37.3	60.4	608.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6242.1  
6245.6  
6286.5  
6329.1  
6345.0  
6359.2  
6394.8  
6472.9  
6591.8  
6719.6  
6875.9  
7062.3  
7200.8  
7355.2  
7612.6  
7960.6  
8484.3  
8807.4  
8995.6  
9553.1  
10378.6  
11612.5  
13302.6  
15468.5  
18264.6  
21714.1  
25800.9  
30283.7  
35599.0  
38618.9  
32518.8  
13977.2  
3174.3  
1326.2  
1253.4  
754.5  
0.0

OF REPORT)