

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: P850374

Luminaire Tested: **GLAN-SB7D-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850374  
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-SB7D-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 59276 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

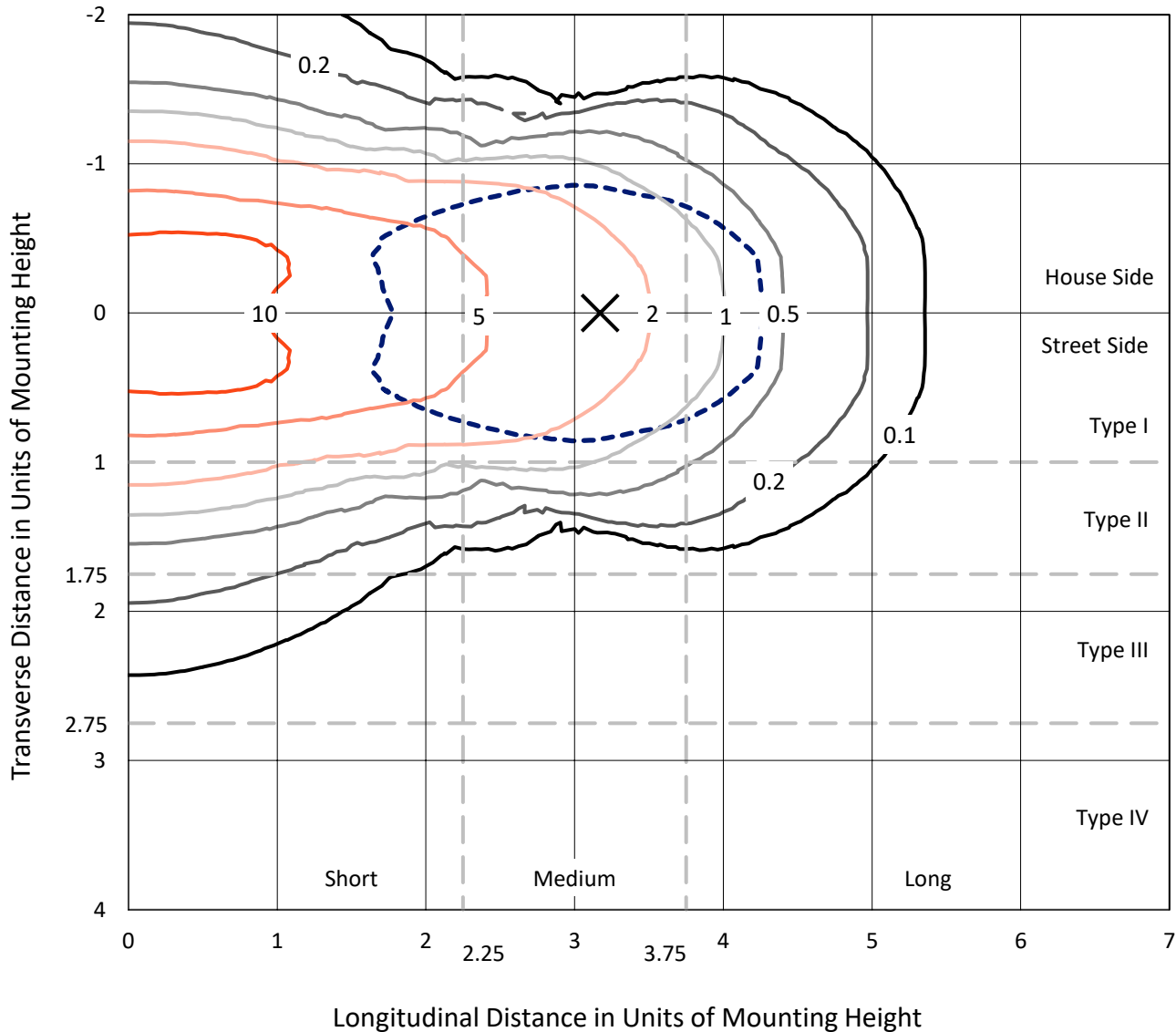
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

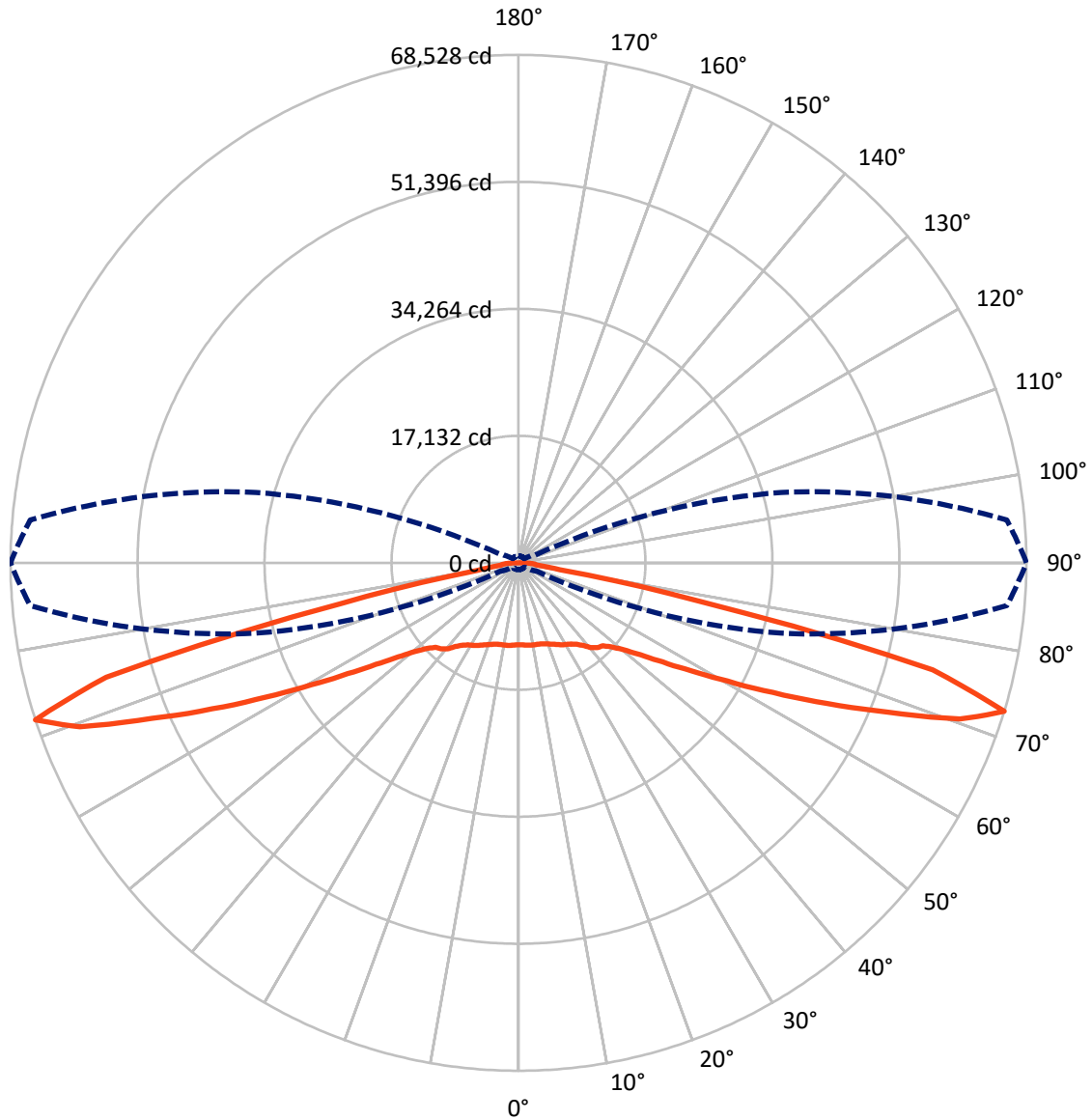
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 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	29638.0	0.0	29638.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29638.0	0.0	29638.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59276.0	0.0	59276.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1074.0	1.8
10°-20°	3283.8	5.5
20°-30°	5475.5	9.2
30°-40°	7530.5	12.7
40°-50°	9196.8	15.5
50°-60°	10637.0	17.9
60°-70°	12682.9	21.4
70°-80°	8851.8	14.9
80°-90°	543.7	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°	59276.0	100.0
0°-180°	59276.0	100.0

**Coefficient of Utilization**

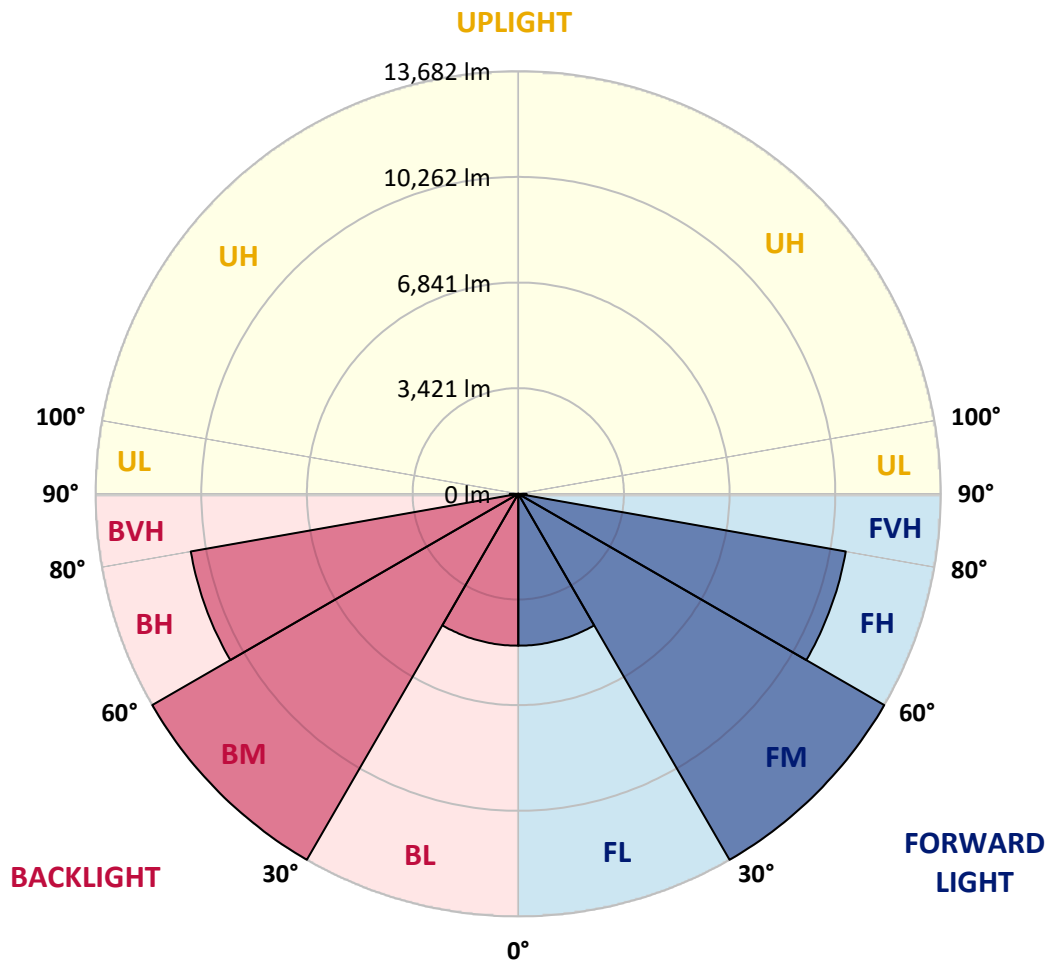


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4916.6	8.3			
FM (30°-60°)	13682.1	23.1			
FH (60°-80°)	10767.4	18.2			G4/12000
FVH (80°-90°)	271.8	0.5			G3/500
BL (0°-30°)	4916.6	8.3	B4/5000		
BM (30°-60°)	13682.1	23.1	B5		
BH (60°-80°)	10767.4	18.2	B5		G5
BVH (80°-90°)	271.8	0.5			G3/500
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°	11076.3	11076.3	11076.3	11076.3	11076.3	11076.3	11076.3	11076.3	11076.3	11076.3
2.5°	11085.8	11098.4	11098.4	11088.9	11111.0	11092.1	11092.1	11082.6	11092.1	11082.6
5°	11142.5	11158.3	11164.6	11161.4	11189.8	11174.0	11174.0	11161.4	11164.6	11155.1
7.5°	11249.6	11271.7	11284.3	11300.0	11341.0	11322.1	11309.5	11271.7	11255.9	11230.7
10°	11284.3	11309.5	11350.4	11432.3	11526.8	11530.0	11492.2	11397.7	11325.2	11268.5
12.5°	11177.2	11211.8	11296.9	11463.8	11674.9	11760.0	11700.1	11542.6	11400.8	11300.0
15°	11041.7	11079.5	11208.7	11460.7	11772.6	11971.0	11964.7	11756.8	11530.0	11372.5
17.5°	10830.6	10868.4	11054.3	11407.1	11848.2	12175.8	12264.0	12049.8	11731.6	11520.5
20°	10449.4	10484.1	10742.4	11237.0	11873.4	12393.2	12623.1	12434.1	12037.2	11750.5
22.5°	9954.9	10008.4	10310.8	10944.0	11813.5	12620.0	13032.7	12903.5	12393.2	11996.2
25°	9425.6	9482.3	9835.1	10584.9	11659.1	12783.8	13517.8	13435.9	12796.4	12301.8
27.5°	8968.8	9028.7	9413.0	10228.9	11419.7	12846.8	13996.6	14037.6	13284.7	12638.9
30°	8609.7	8666.4	9075.9	9942.2	11111.0	12783.8	14415.6	14699.2	13782.4	12931.9
32.5°	8215.9	8288.4	8719.9	9592.6	10745.6	12632.6	14781.1	15414.3	14358.9	13246.9
35°	7718.2	7784.3	8238.0	9113.7	10266.7	12390.0	15086.6	16208.1	15184.3	13725.7
37.5°	7113.3	7176.3	7626.8	8515.2	9791.0	12049.8	15319.8	17102.8	16167.2	14415.6
40°	6505.3	6565.2	6987.3	7847.3	9220.8	11615.0	15401.7	17978.6	17295.0	15363.9
42.5°	5947.7	6001.3	6388.7	7188.9	8581.3	11060.6	15294.6	18741.0	18306.2	16025.4
45°	5434.2	5481.5	5824.8	6571.5	7916.6	10386.4	14973.2	19560.0	19509.6	16498.0
47.5°	4848.3	4895.5	5251.5	5972.9	7251.9	9595.7	14428.2	20366.5	21182.4	17569.1
50°	4133.2	4174.1	4539.5	5283.0	6562.0	8754.6	13672.2	20999.7	23293.1	19191.4
52.5°	3285.7	3329.8	3685.8	4429.3	5742.9	7850.5	12676.7	21412.4	25731.4	21560.4
55°	2444.6	2476.1	2784.8	3452.7	4728.6	6820.3	11429.2	21528.9	28497.3	24798.9
57.5°	1773.6	1792.5	1991.0	2488.7	3585.0	5531.9	9913.9	21226.5	31789.4	28951.0
60°	1436.5	1442.8	1502.7	1723.2	2491.9	4076.4	8083.6	20186.9	35361.8	34303.3
62.5°	1304.2	1304.2	1320.0	1379.8	1685.4	2690.3	5869.0	18032.1	39192.5	41066.9
65°	1212.9	1212.9	1219.2	1247.5	1329.4	1713.7	3704.7	14522.7	42421.5	48989.8
67.5°	1130.9	1134.1	1130.9	1140.4	1187.7	1266.4	2148.5	10030.5	44160.5	57199.4
70°	1045.9	1052.2	1036.4	1036.4	1074.2	1077.4	1345.2	5500.4	42717.6	64079.6
72.5°	945.1	954.5	929.3	923.0	951.4	938.8	1011.2	2639.9	36675.4	66133.6
75°	856.9	869.5	812.8	797.0	797.0	787.6	822.2	1354.6	23803.4	53948.4
77.5°	778.1	803.3	712.0	661.6	649.0	620.6	671.0	828.5	10411.6	25328.2
80°	642.7	677.3	586.0	526.1	504.0	472.5	529.2	579.6	3096.7	5881.6
82.5°	478.8	494.6	415.8	374.9	356.0	333.9	396.9	403.2	1008.1	2082.3
85°	305.6	311.9	255.2	220.5	211.1	201.6	252.0	220.5	384.3	1531.0
87.5°	107.1	122.9	97.7	88.2	94.5	78.8	116.6	66.2	107.1	1080.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11076.3  
11082.6  
11155.1  
11230.7  
11259.1  
11284.3  
11347.3  
11485.9  
11696.9  
11923.8  
12201.0  
12531.8  
12777.5  
13051.6  
13508.4  
14125.8  
15055.1  
15628.5  
15962.4  
16951.6  
18416.5  
20605.9  
23605.0  
27448.3  
32410.0  
38530.9  
45782.9  
53737.3  
63169.2  
68527.8  
57703.5  
24802.1  
5632.7  
2353.3  
2224.1  
1338.9  
0.0

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