

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: P850314

Luminaire Tested: **GLAN-SB7D-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850314  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 70254 lumens  
Efficiency: N/A  
Efficacy: 137.0 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

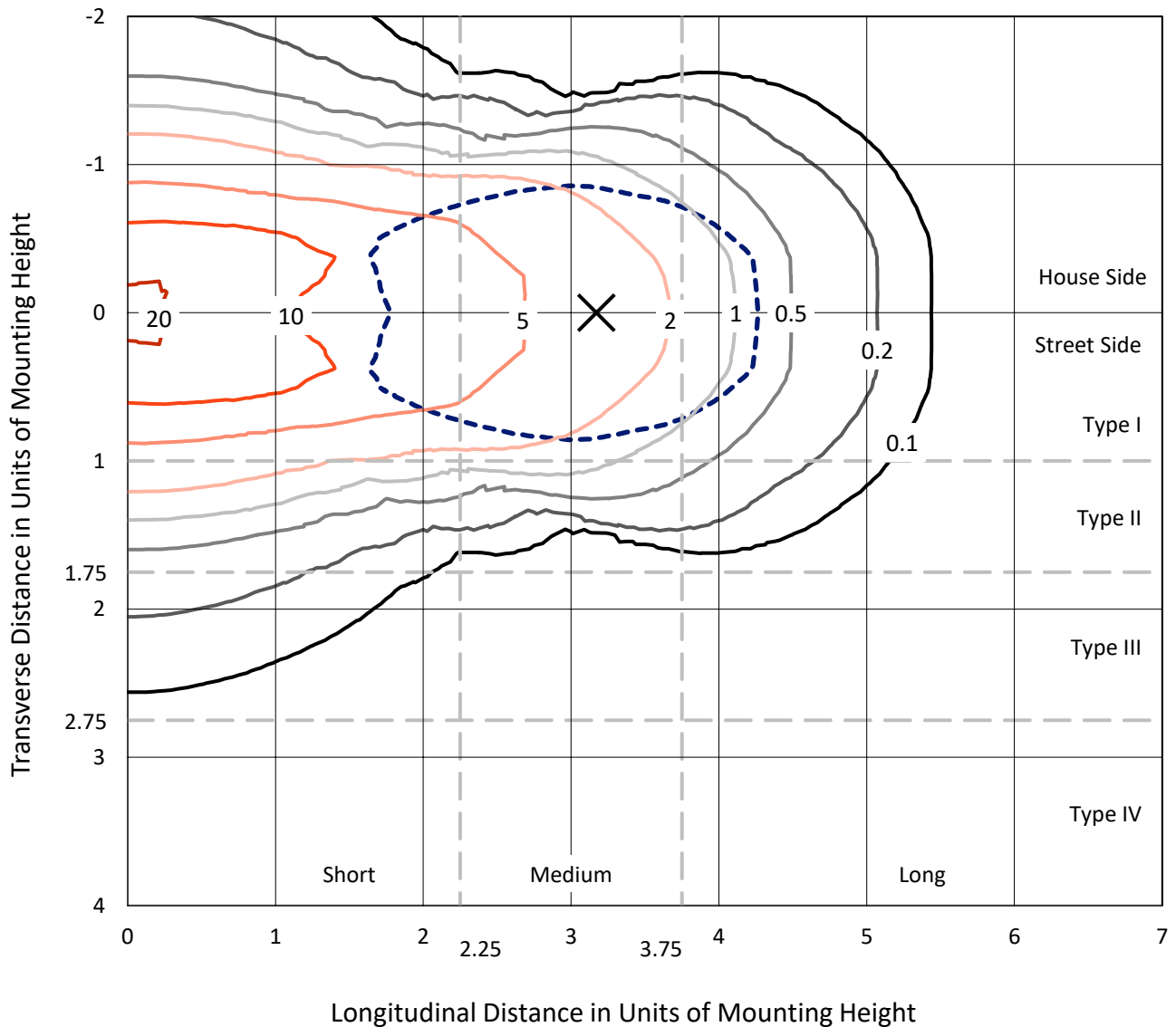
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

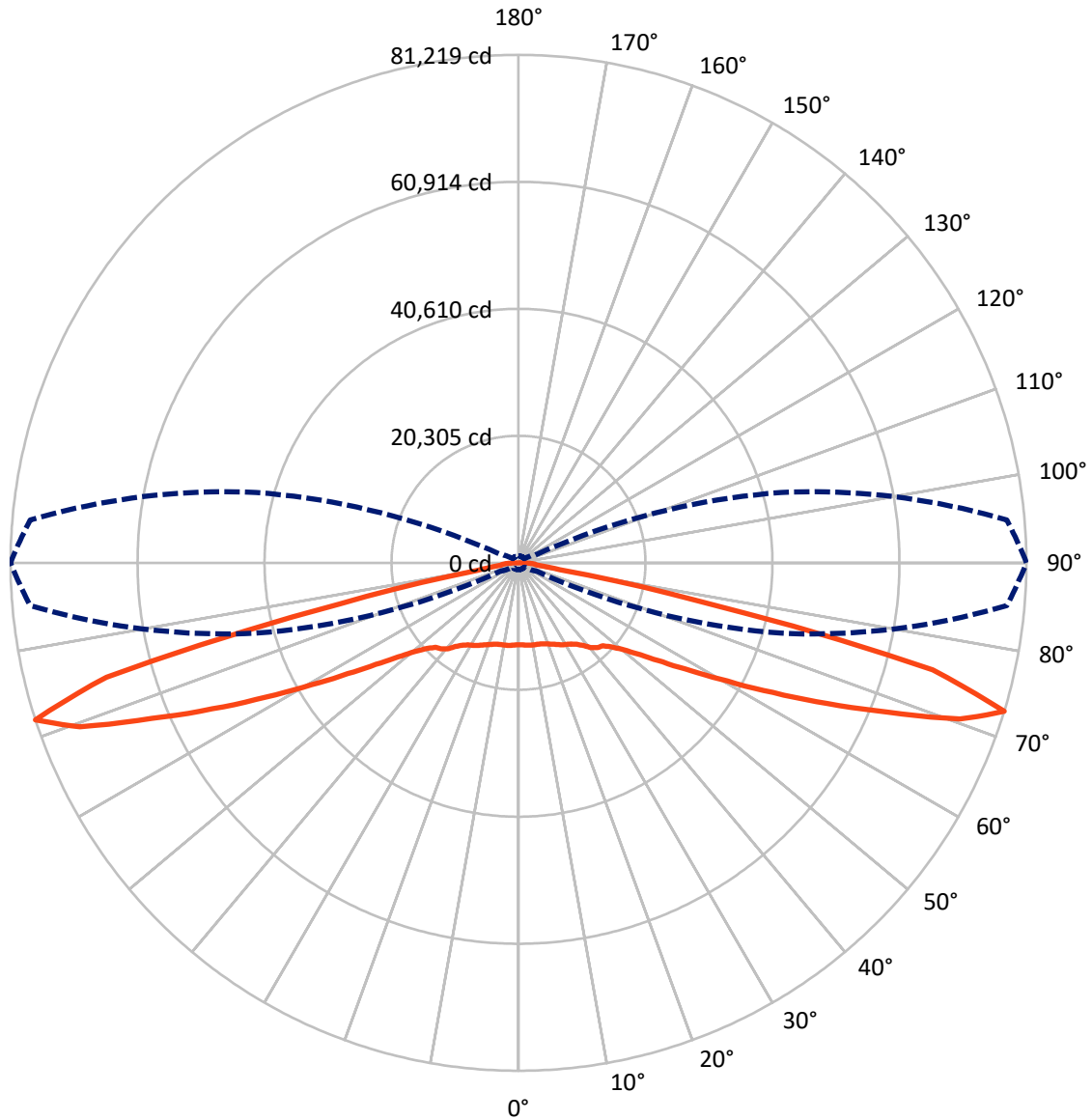
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 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	35127.0	0.0	35127.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	35127.0	0.0	35127.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	70254.0	0.0	70254.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1272.9	1.8
10°-20°	3892.0	5.5
20°-30°	6489.5	9.2
30°-40°	8925.1	12.7
40°-50°	10900.0	15.5
50°-60°	12607.0	17.9
60°-70°	15031.8	21.4
70°-80°	10491.2	14.9
80°-90°	644.4	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°	70254.0	100.0
0°-180°	70254.0	100.0

**Coefficient of Utilization**

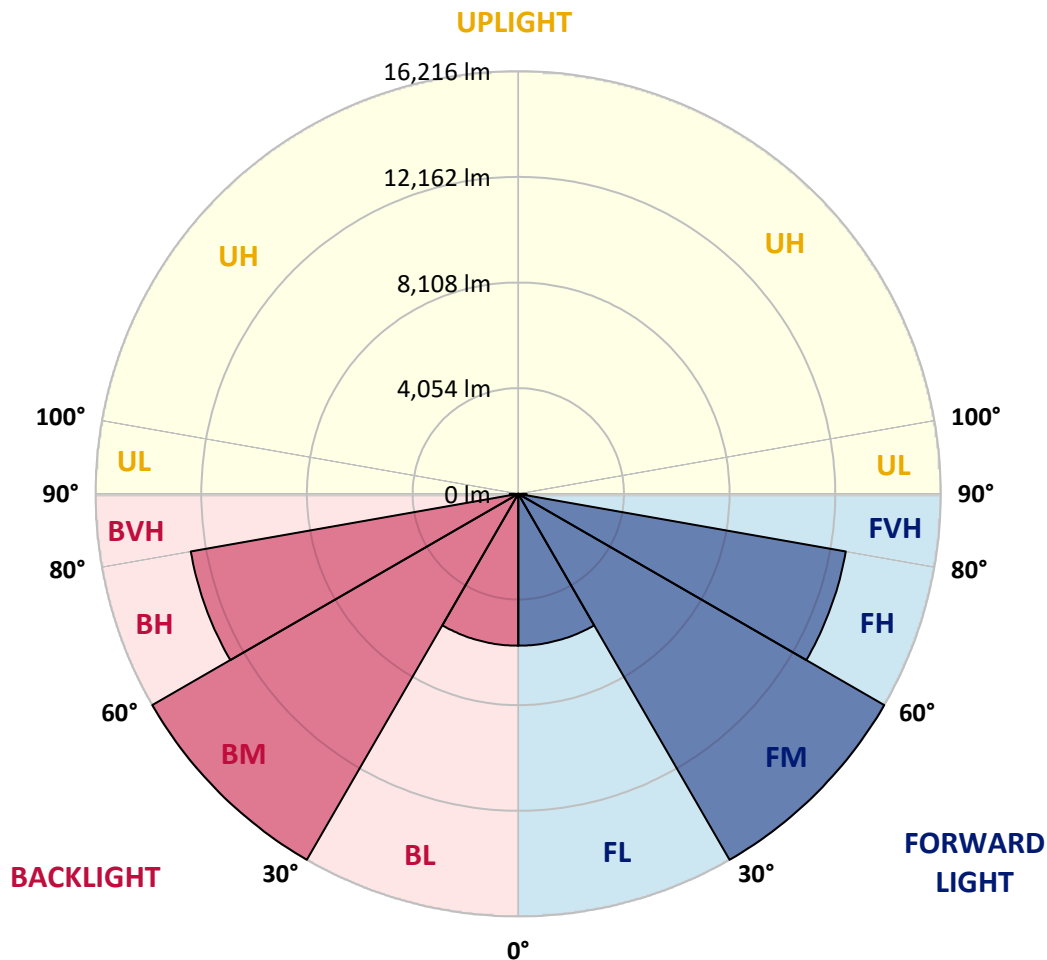


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5827.2	8.3			
FM (30°-60°)	16216.1	23.1			
FH (60°-80°)	12761.5	18.2			G5
FVH (80°-90°)	322.2	0.5			G3/500
BL (0°-30°)	5827.2	8.3	B5		
BM (30°-60°)	16216.1	23.1	B5		
BH (60°-80°)	12761.5	18.2	B5		G5
BVH (80°-90°)	322.2	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°	13127.7	13127.7	13127.7	13127.7	13127.7	13127.7	13127.7	13127.7	13127.7	13127.7
2.5°	13138.9	13153.8	13153.8	13142.6	13168.8	13146.4	13146.4	13135.2	13146.4	13135.2
5°	13206.1	13224.8	13232.2	13228.5	13262.1	13243.4	13243.4	13228.5	13232.2	13221.0
7.5°	13333.1	13359.2	13374.1	13392.8	13441.3	13418.9	13404.0	13359.2	13340.5	13310.7
10°	13374.1	13404.0	13452.5	13549.6	13661.6	13665.4	13620.6	13508.5	13422.7	13355.5
12.5°	13247.2	13288.3	13389.1	13586.9	13837.1	13937.9	13867.0	13680.3	13512.3	13392.8
15°	13086.6	13131.4	13284.5	13583.2	13952.8	14188.1	14180.6	13934.2	13665.4	13478.7
17.5°	12836.5	12881.3	13101.6	13519.7	14042.5	14430.8	14535.3	14281.4	13904.3	13654.2
20°	12384.7	12425.8	12731.9	13318.1	14072.3	14688.4	14960.9	14736.9	14266.5	13926.7
22.5°	11798.5	11862.0	12220.4	12970.9	14001.4	14957.2	15446.3	15293.2	14688.4	14217.9
25°	11171.2	11238.4	11656.6	12545.2	13818.4	15151.4	16021.3	15924.2	15166.3	14580.1
27.5°	10629.9	10700.8	11156.3	12123.3	13534.7	15226.0	16588.8	16637.4	15745.0	14979.6
30°	10204.2	10271.4	10756.8	11783.6	13168.8	15151.4	17085.4	17421.5	16335.0	15326.9
32.5°	9737.5	9823.4	10334.9	11369.1	12735.7	14972.2	17518.5	18269.0	17018.2	15700.2
35°	9147.6	9226.0	9763.6	10801.6	12168.1	14684.7	17880.7	19209.9	17996.5	16267.7
37.5°	8430.7	8505.4	9039.3	10092.2	11604.4	14281.4	18157.0	20270.3	19161.4	17085.4
40°	7710.1	7781.0	8281.4	9300.7	10928.6	13766.2	18254.1	21308.2	20498.0	18209.3
42.5°	7049.2	7112.7	7572.0	8520.3	10170.6	13109.0	18127.1	22211.8	21696.6	18993.3
45°	6440.6	6496.6	6903.6	7788.5	9382.8	12310.0	17746.3	23182.6	23122.8	19553.4
47.5°	5746.2	5802.2	6224.1	7079.1	8595.0	11372.9	17100.4	24138.4	25105.4	20822.9
50°	4898.6	4947.2	5380.3	6261.4	7777.3	10376.0	16204.3	24888.9	27607.0	22745.7
52.5°	3894.3	3946.5	4368.4	5249.6	6806.5	9304.4	15024.4	25378.0	30496.9	25553.5
55°	2897.4	2934.7	3300.6	4092.1	5604.3	8083.5	13545.9	25516.1	33775.1	29391.7
57.5°	2102.1	2124.5	2359.7	2949.6	4249.0	6556.4	11750.0	25157.7	37676.8	34312.7
60°	1702.6	1710.0	1781.0	2042.3	2953.4	4831.4	9580.7	23925.6	41910.8	40656.3
62.5°	1545.8	1545.8	1564.4	1635.4	1997.5	3188.6	6955.9	21371.7	46451.0	48672.6
65°	1437.5	1437.5	1444.9	1478.5	1575.6	2031.1	4390.8	17212.4	50278.1	58062.8
67.5°	1340.4	1344.1	1340.4	1351.6	1407.6	1500.9	2546.4	11888.1	52339.1	67792.9
70°	1239.6	1247.1	1228.4	1228.4	1273.2	1276.9	1594.3	6519.0	50629.0	75947.3
72.5°	1120.1	1131.3	1101.4	1094.0	1127.6	1112.6	1198.5	3128.8	43467.8	78381.6
75°	1015.6	1030.5	963.3	944.6	944.6	933.4	974.5	1605.5	28211.9	63939.7
77.5°	922.2	952.1	843.8	784.1	769.1	735.5	795.3	982.0	12339.9	30019.0
80°	761.7	802.7	694.5	623.5	597.4	560.1	627.3	687.0	3670.2	6970.8
82.5°	567.5	586.2	492.8	444.3	421.9	395.8	470.4	477.9	1194.8	2468.0
85°	362.2	369.6	302.4	261.4	250.2	239.0	298.7	261.4	455.5	1814.6
87.5°	126.9	145.6	115.7	104.5	112.0	93.3	138.1	78.4	126.9	1280.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13127.7  
13135.2  
13221.0  
13310.7  
13344.3  
13374.1  
13448.8  
13613.1  
13863.2  
14132.1  
14460.6  
14852.7  
15143.9  
15468.7  
16010.1  
16741.9  
17843.4  
18522.9  
18918.7  
20091.1  
21827.2  
24422.2  
27976.6  
32531.8  
38412.3  
45666.9  
54261.9  
63689.5  
74868.2  
81219.3  
68390.2  
29395.4  
6675.9  
2789.1  
2636.0  
1586.8  
0.0

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