

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: P851674

Luminaire Tested: **GLAN-SB9D-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851674  
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-SB9D-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 89978 lumens  
Efficiency: N/A  
Efficacy: 136.7 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

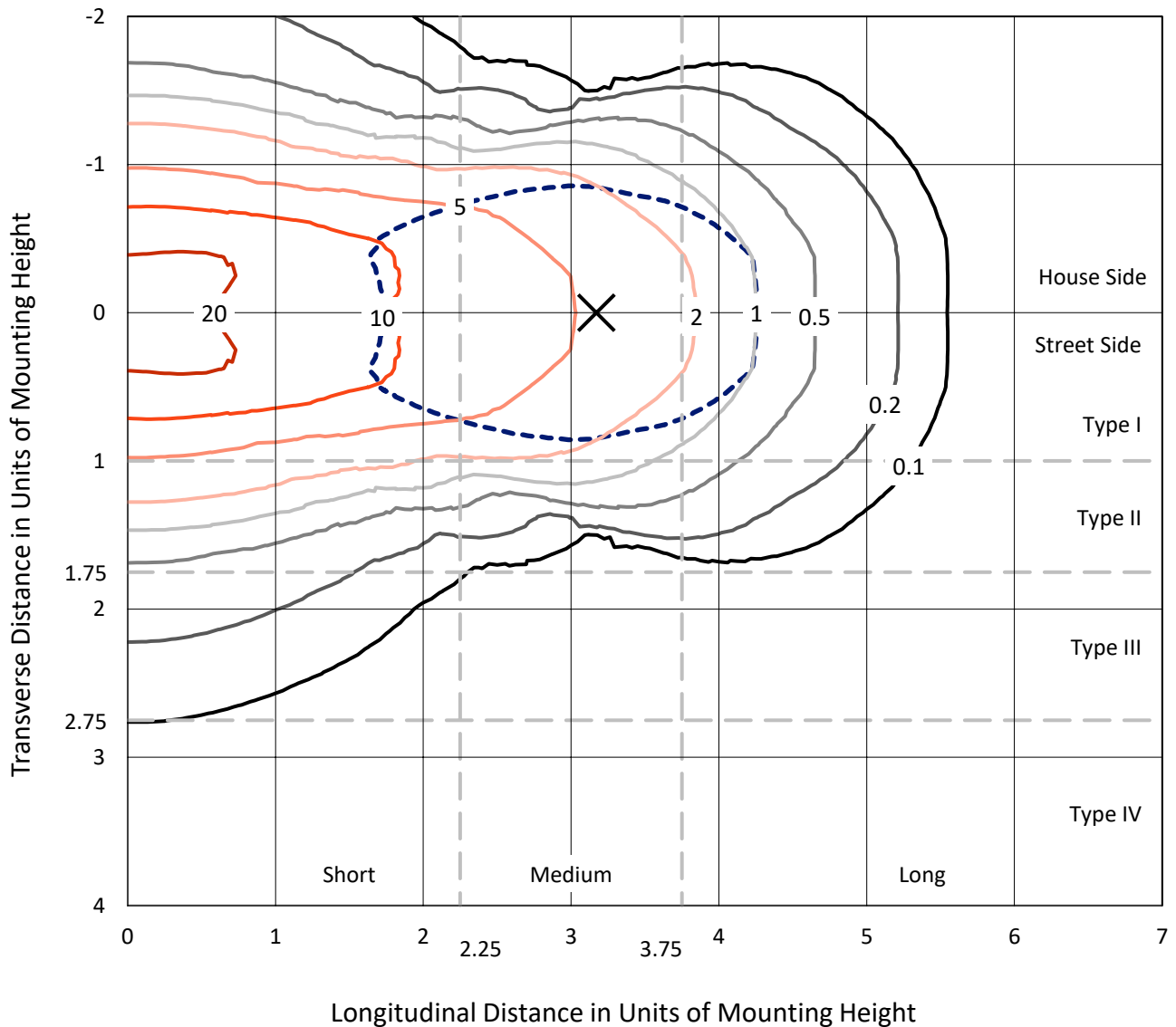
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

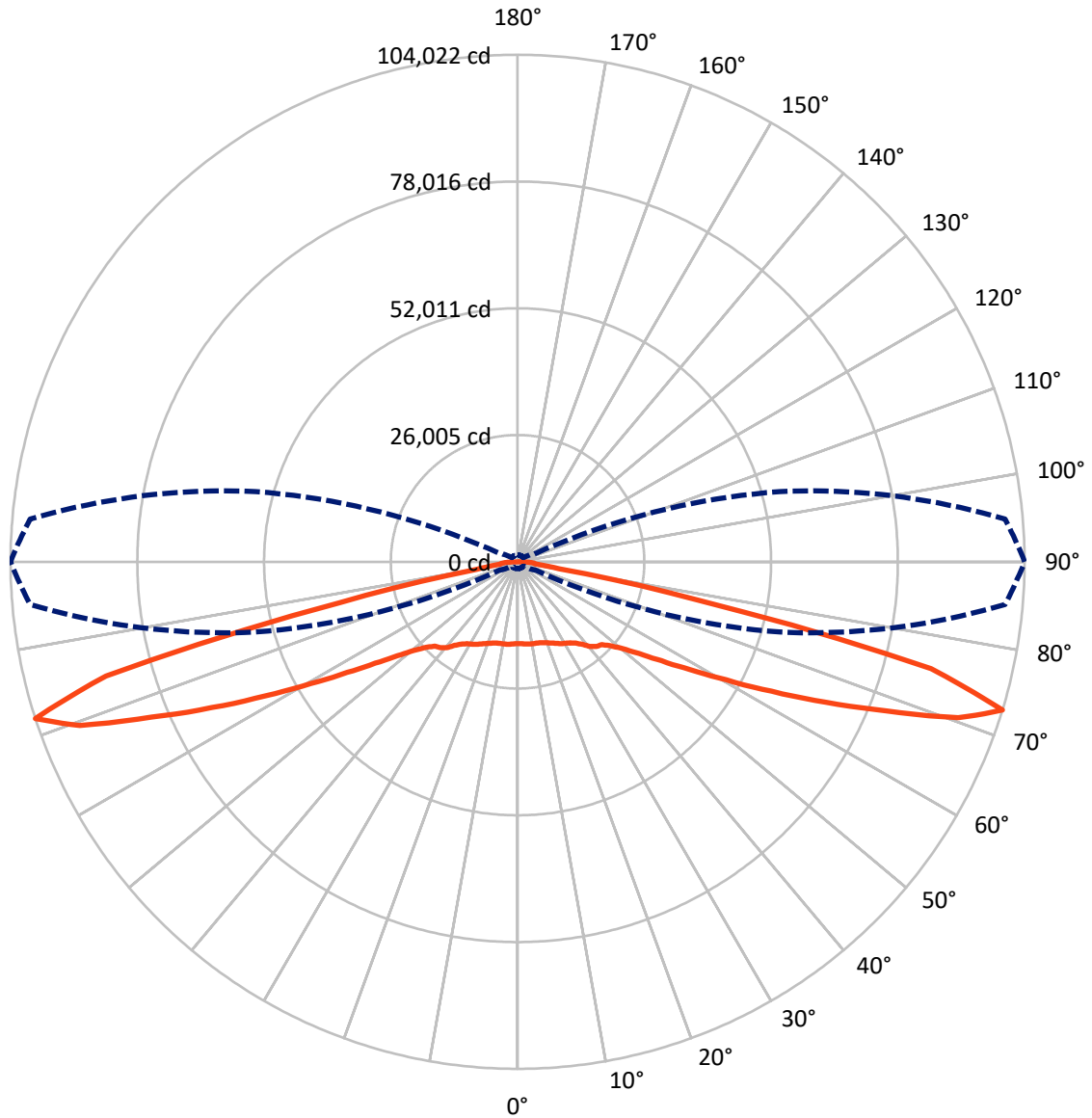
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.9 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	44989.0	0.0	44989.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	44989.0	0.0	44989.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	89978.0	0.0	89978.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1630.3	1.8
10°-20°	4984.7	5.5
20°-30°	8311.5	9.2
30°-40°	11430.9	12.7
40°-50°	13960.2	15.5
50°-60°	16146.5	17.9
60°-70°	19252.0	21.4
70°-80°	13436.6	14.9
80°-90°	825.3	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°	89978.0	100.0
0°-180°	89978.0	100.0

**Coefficient of Utilization**

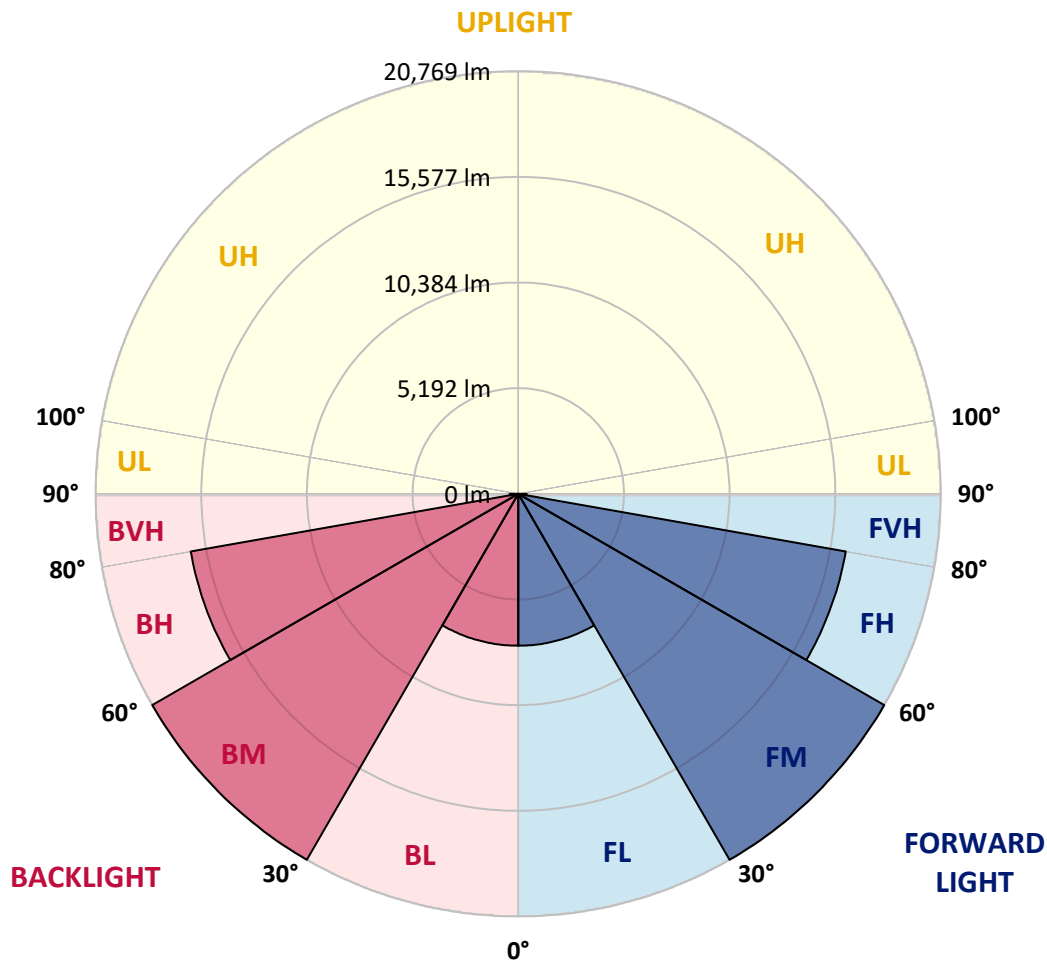


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7463.2	8.3			
FM (30°-60°)	20768.8	23.1			
FH (60°-80°)	16344.3	18.2			G5
FVH (80°-90°)	412.6	0.5			G3/500
BL (0°-30°)	7463.2	8.3	B5		
BM (30°-60°)	20768.8	23.1	B5		
BH (60°-80°)	16344.3	18.2	B5		G5
BVH (80°-90°)	412.6	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°	16813.3	16813.3	16813.3	16813.3	16813.3	16813.3	16813.3	16813.3	16813.3	16813.3
2.5°	16827.7	16846.8	16846.8	16832.5	16865.9	16837.2	16837.2	16822.9	16837.2	16822.9
5°	16913.8	16937.7	16947.2	16942.5	16985.5	16961.6	16961.6	16942.5	16947.2	16932.9
7.5°	17076.3	17109.8	17128.9	17152.9	17215.0	17186.3	17167.2	17109.8	17085.9	17047.7
10°	17128.9	17167.2	17229.4	17353.7	17497.2	17501.9	17444.6	17301.1	17191.1	17105.0
12.5°	16966.4	17019.0	17148.1	17401.5	17721.9	17851.0	17760.2	17521.1	17305.9	17152.9
15°	16760.7	16818.1	17014.2	17396.7	17870.2	18171.4	18161.8	17846.2	17501.9	17262.8
17.5°	16440.3	16497.7	16779.9	17315.4	17984.9	18482.2	18616.1	18291.0	17808.0	17487.6
20°	15861.7	15914.3	16306.5	17057.2	18023.2	18812.2	19161.3	18874.4	18271.8	17836.7
22.5°	15111.0	15192.3	15651.3	16612.5	17932.3	19156.5	19782.9	19586.9	18812.2	18209.7
25°	14307.6	14393.7	14929.3	16067.4	17698.0	19405.2	20519.4	20395.0	19424.3	18673.5
27.5°	13614.2	13705.1	14288.5	15527.0	17334.6	19500.8	21246.2	21308.4	20165.5	19185.2
30°	13069.1	13155.1	13776.8	15091.8	16865.9	19405.2	21882.2	22312.6	20921.0	19629.9
32.5°	12471.3	12581.3	13236.4	14561.0	16311.2	19175.6	22436.9	23398.1	21796.1	20108.1
35°	11715.8	11816.2	12504.8	13834.2	15584.4	18807.4	22900.8	24603.1	23049.0	20835.0
37.5°	10797.6	10893.3	11577.1	12925.6	14862.3	18291.0	23254.6	25961.2	24541.0	21882.2
40°	9874.7	9965.6	10606.4	11911.8	13996.8	17631.1	23379.0	27290.6	26252.9	23321.6
42.5°	9028.3	9109.6	9697.8	10912.4	13026.0	16789.4	23216.4	28447.8	27787.9	24325.8
45°	8248.9	8320.6	8841.8	9975.1	12017.0	15766.1	22728.6	29691.1	29614.6	25043.1
47.5°	7359.4	7431.2	7971.5	9066.6	11008.1	14565.8	21901.3	30915.3	32153.8	26668.9
50°	6273.9	6336.1	6890.8	8019.3	9960.8	13289.0	20753.7	31876.5	35357.7	29131.6
52.5°	4987.6	5054.5	5594.9	6723.4	8717.5	11916.6	19242.6	32502.9	39059.0	32727.7
55°	3710.8	3758.6	4227.2	5241.0	7177.7	10352.9	17348.9	32679.9	43257.5	37643.5
57.5°	2692.2	2720.9	3022.2	3777.7	5441.9	8397.1	15048.8	32220.8	48254.7	43946.1
60°	2180.6	2190.1	2281.0	2615.7	3782.5	6187.8	12270.5	30642.7	53677.4	52070.7
62.5°	1979.7	1979.7	2003.6	2094.5	2558.3	4083.8	8908.8	27371.9	59492.3	62337.5
65°	1841.1	1841.1	1850.6	1893.7	2018.0	2601.4	5623.6	22044.8	64393.7	74364.1
67.5°	1716.7	1721.5	1716.7	1731.1	1802.8	1922.3	3261.3	15225.7	67033.4	86825.9
70°	1587.6	1597.2	1573.3	1573.3	1630.6	1635.4	2041.9	8349.3	64843.3	97269.7
72.5°	1434.6	1448.9	1410.7	1401.1	1444.1	1425.0	1535.0	4007.3	55671.5	100387.5
75°	1300.7	1319.8	1233.7	1209.8	1209.8	1195.5	1248.1	2056.2	36132.4	81890.9
77.5°	1181.1	1219.4	1080.7	1004.2	985.1	942.0	1018.6	1257.7	15804.3	38446.9
80°	975.5	1028.1	889.4	798.6	765.1	717.3	803.4	879.9	4700.7	8927.9
82.5°	726.9	750.8	631.2	569.1	540.4	506.9	602.5	612.1	1530.2	3160.9
85°	463.8	473.4	387.3	334.7	320.4	306.0	382.6	334.7	583.4	2324.0
87.5°	162.6	186.5	148.2	133.9	143.5	119.5	176.9	100.4	162.6	1640.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

16813.3  
16822.9  
16932.9  
17047.7  
17090.7  
17128.9  
17224.6  
17435.0  
17755.4  
18099.7  
18520.5  
19022.6  
19395.6  
19811.6  
20505.0  
21442.3  
22852.9  
23723.3  
24230.1  
25731.7  
27955.3  
31278.7  
35831.2  
41665.1  
49196.7  
58488.0  
69496.1  
81570.5  
95887.7  
104021.8  
87591.0  
37648.3  
8550.1  
3572.1  
3376.1  
2032.3  
0.0

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