

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: P849804

Luminaire Tested: **GLAN-SB7A-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849804
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-SB7A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30969 lumens
Efficiency: N/A
Efficacy: 155.5 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

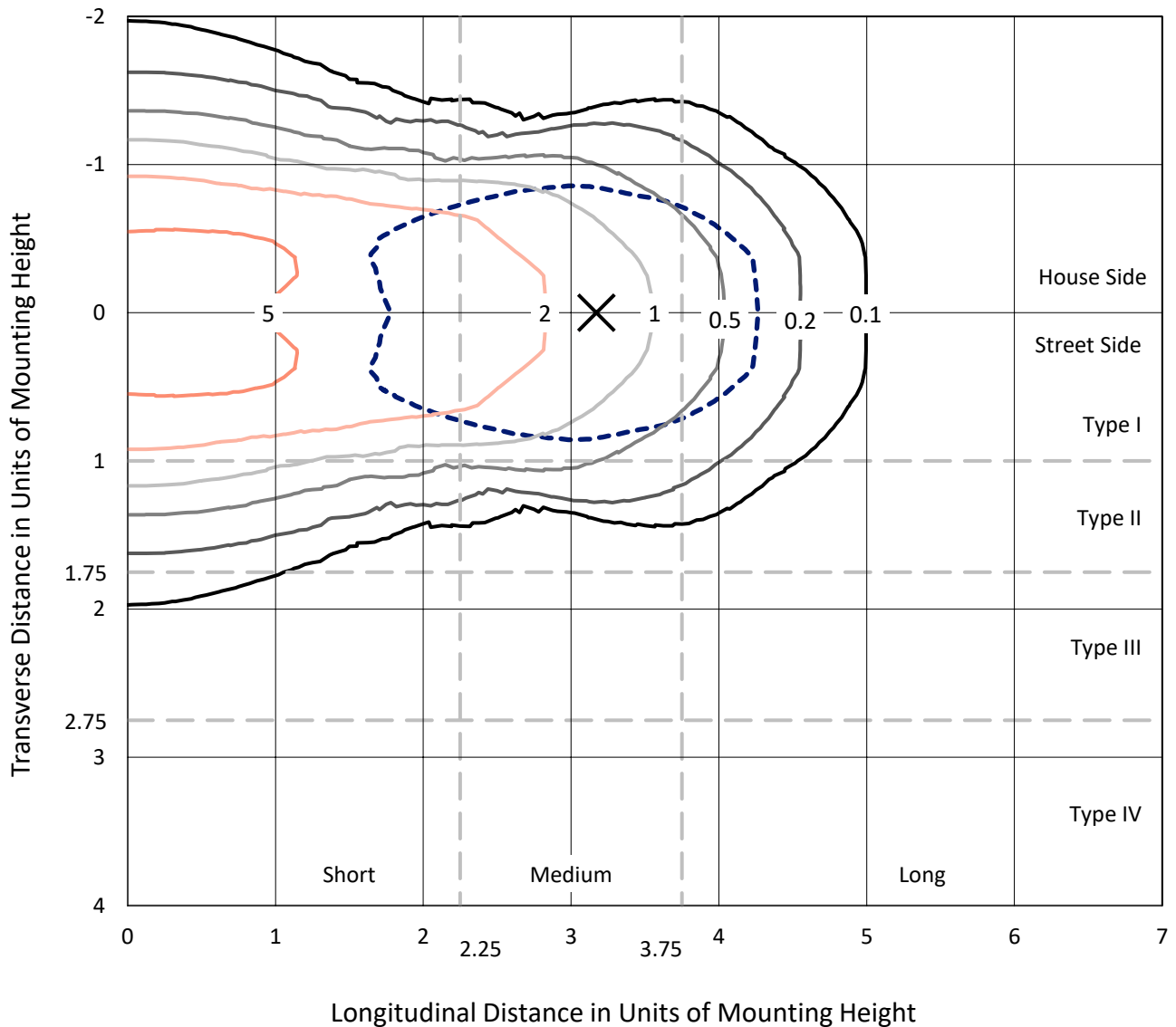
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

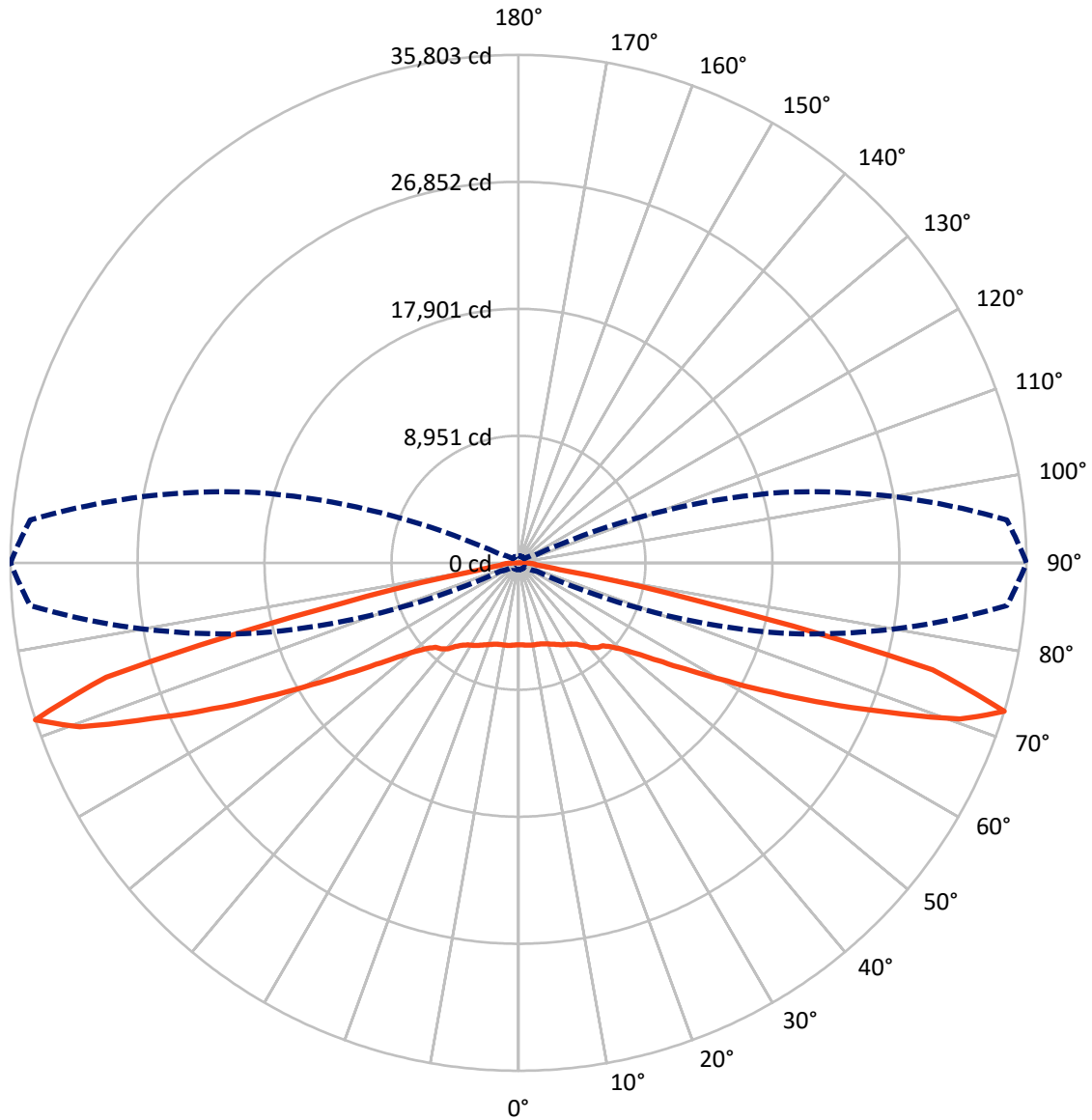
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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
House Side	Lumens	15484.5	0.0	15484.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15484.5	0.0	15484.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30969.0	0.0	30969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.1	1.8
10°-20°	1715.6	5.5
20°-30°	2860.7	9.2
30°-40°	3934.3	12.7
40°-50°	4804.9	15.5
50°-60°	5557.4	17.9
60°-70°	6626.3	21.4
70°-80°	4624.7	14.9
80°-90°	284.1	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°	30969.0	100.0
0°-180°	30969.0	100.0

Coefficient of Utilization



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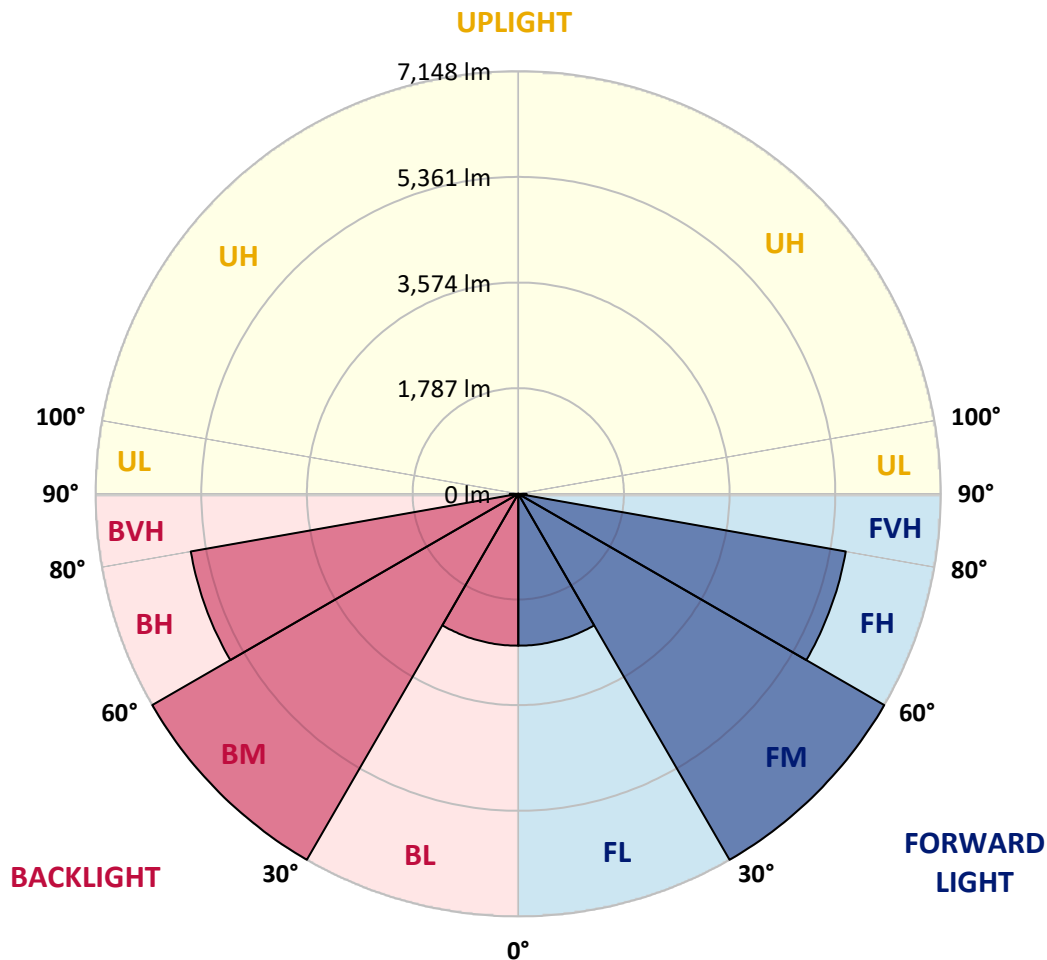
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2568.7	8.3			
FM (30°-60°)	7148.3	23.1			
FH (60°-80°)	5625.5	18.2			G3/7500
FVH (80°-90°)	142.0	0.5			G2/225
BL (0°-30°)	2568.7	8.3	B4/5000		
BM (30°-60°)	7148.3	23.1	B4/8500		
BH (60°-80°)	5625.5	18.2	B5		G5
BVH (80°-90°)	142.0	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°	5786.9	5786.9	5786.9	5786.9	5786.9	5786.9	5786.9	5786.9	5786.9	5786.9
2.5°	5791.8	5798.4	5798.4	5793.5	5805.0	5795.1	5795.1	5790.2	5795.1	5790.2
5°	5821.4	5829.7	5833.0	5831.3	5846.1	5837.9	5837.9	5831.3	5833.0	5828.0
7.5°	5877.4	5888.9	5895.5	5903.7	5925.1	5915.3	5908.7	5888.9	5880.7	5867.5
10°	5895.5	5908.7	5930.1	5972.9	6022.2	6023.9	6004.1	5954.8	5916.9	5887.3
12.5°	5839.6	5857.7	5902.1	5989.3	6099.6	6144.0	6112.8	6030.5	5956.4	5903.7
15°	5768.8	5788.5	5856.0	5987.7	6150.6	6254.3	6251.0	6142.4	6023.9	5941.6
17.5°	5658.5	5678.3	5775.4	5959.7	6190.1	6361.3	6407.4	6295.5	6129.2	6019.0
20°	5459.4	5477.5	5612.4	5870.8	6203.3	6474.9	6595.0	6496.3	6288.9	6139.1
22.5°	5201.0	5228.9	5386.9	5717.8	6172.0	6593.4	6809.0	6741.5	6474.9	6267.5
25°	4924.4	4954.1	5138.4	5530.1	6091.4	6678.9	7062.4	7019.6	6685.5	6427.1
27.5°	4685.8	4717.1	4917.9	5344.1	5966.3	6711.9	7312.6	7334.0	6940.6	6603.2
30°	4498.2	4527.8	4741.8	5194.4	5805.0	6678.9	7531.5	7679.6	7200.7	6756.3
32.5°	4292.4	4330.3	4555.8	5011.7	5614.1	6599.9	7722.4	8053.2	7501.9	6920.9
35°	4032.4	4066.9	4304.0	4761.5	5363.9	6473.2	7882.1	8468.0	7933.1	7171.1
37.5°	3716.4	3749.3	3984.7	4448.8	5115.4	6295.5	8003.9	8935.4	8446.6	7531.5
40°	3398.7	3430.0	3650.5	4099.9	4817.5	6068.3	8046.7	9393.0	9035.8	8026.9
42.5°	3107.4	3135.4	3337.8	3755.9	4483.4	5778.7	7990.7	9791.3	9564.2	8372.5
45°	2839.1	2863.8	3043.2	3433.3	4136.1	5426.4	7822.8	10219.2	10192.9	8619.4
47.5°	2533.0	2557.7	2743.7	3120.6	3788.8	5013.3	7538.1	10640.6	11066.8	9179.0
50°	2159.4	2180.8	2371.7	2760.1	3428.4	4573.9	7143.1	10971.4	12169.6	10026.6
52.5°	1716.6	1739.7	1925.7	2314.1	3000.4	4101.5	6623.0	11187.0	13443.5	11264.3
55°	1277.2	1293.7	1455.0	1803.9	2470.5	3563.3	5971.2	11247.9	14888.6	12956.3
57.5°	926.6	936.5	1040.2	1300.2	1873.0	2890.2	5179.6	11089.9	16608.5	15125.6
60°	750.5	753.8	785.1	900.3	1301.9	2129.8	4223.3	10546.7	18474.9	17921.9
62.5°	681.4	681.4	689.6	720.9	880.5	1405.6	3066.3	9421.0	20476.3	21455.6
65°	633.7	633.7	637.0	651.8	694.6	895.4	1935.5	7587.5	22163.3	25594.9
67.5°	590.9	592.5	590.9	595.8	620.5	661.6	1122.5	5240.5	23071.8	29884.1
70°	546.4	549.7	541.5	541.5	561.2	562.9	702.8	2873.7	22318.0	33478.7
72.5°	493.8	498.7	485.5	482.2	497.1	490.5	528.3	1379.2	19161.2	34551.8
75°	447.7	454.3	424.6	416.4	416.4	411.5	429.6	707.7	12436.2	28185.6
77.5°	406.5	419.7	372.0	345.6	339.0	324.2	350.6	432.9	5439.6	13232.8
80°	335.8	353.9	306.1	274.9	263.3	246.9	276.5	302.8	1617.9	3072.8
82.5°	250.2	258.4	217.3	195.9	186.0	174.5	207.4	210.7	526.7	1087.9
85°	159.6	162.9	133.3	115.2	110.3	105.3	131.7	115.2	200.8	799.9
87.5°	56.0	64.2	51.0	46.1	49.4	41.1	60.9	34.6	56.0	564.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5786.9
5790.2
5828.0
5867.5
5882.3
5895.5
5928.4
6000.8
6111.1
6229.6
6374.5
6547.3
6675.7
6818.8
7057.5
7380.1
7865.6
8165.2
8339.6
8856.4
9621.8
10765.6
12332.5
14340.5
16932.7
20130.7
23919.5
28075.3
33003.0
35802.6
30147.4
12957.9
2942.8
1229.5
1162.0
699.5
0.0

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