

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: P850184

Luminaire Tested: **GLAN-SB7C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850184
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-SB7C-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42009 lumens
Efficiency: N/A
Efficacy: 119.9 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

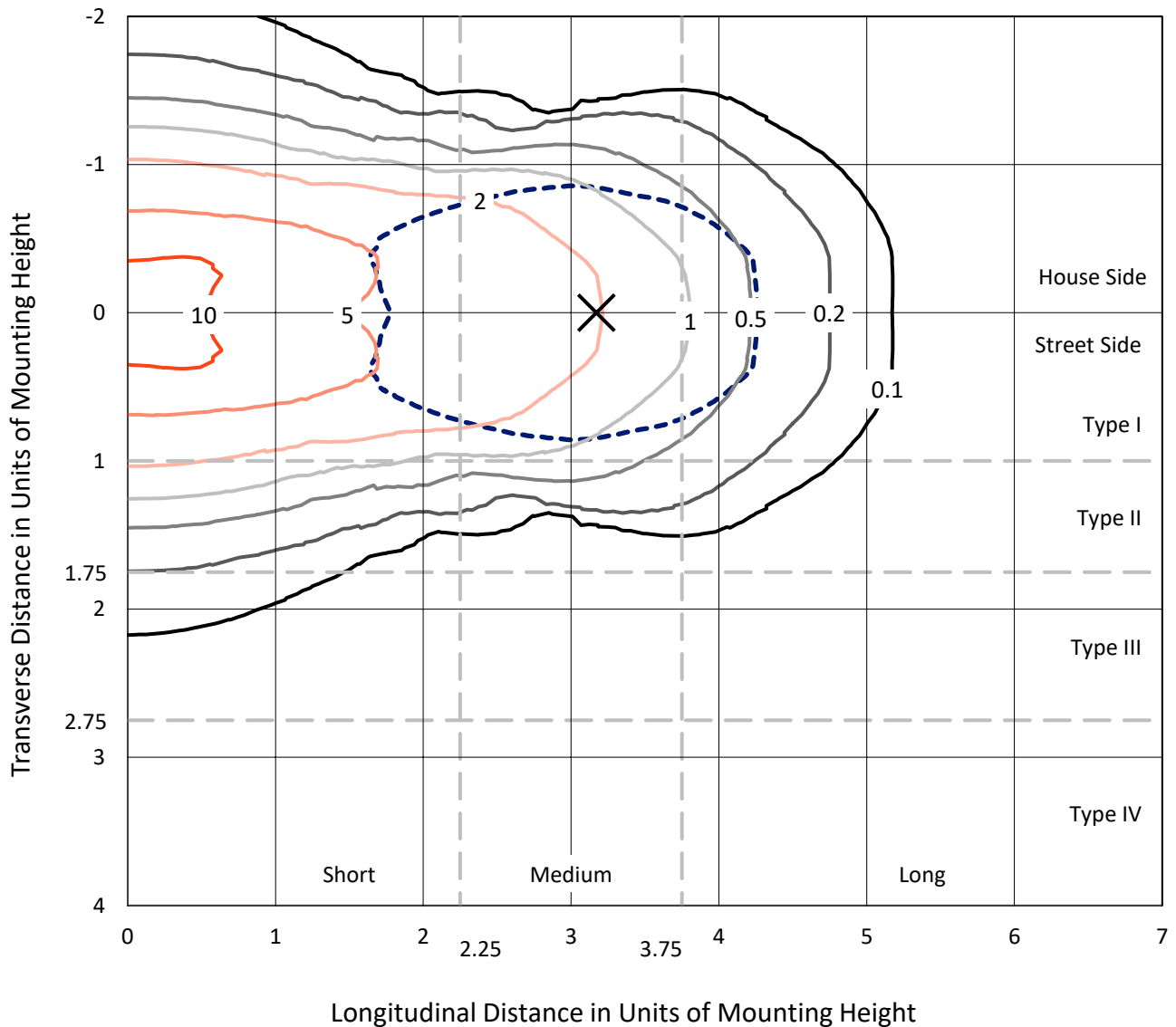
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

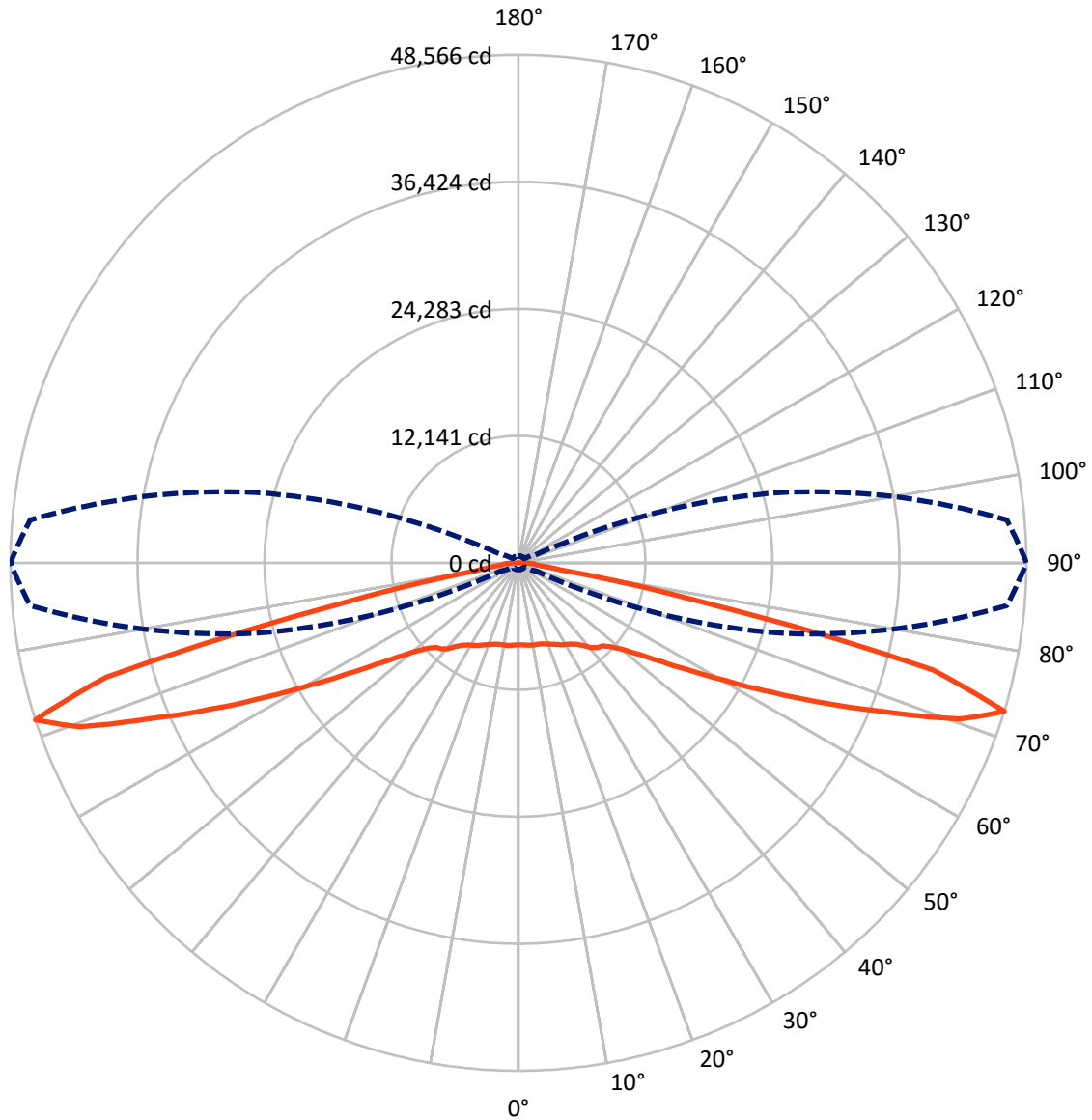
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	21004.5	0.0	21004.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21004.5	0.0	21004.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42009.0	0.0	42009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.1	1.8
10°-20°	2327.2	5.5
20°-30°	3880.5	9.2
30°-40°	5336.9	12.7
40°-50°	6517.8	15.5
50°-60°	7538.5	17.9
60°-70°	8988.4	21.4
70°-80°	6273.3	14.9
80°-90°	385.3	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°	42009.0	100.0
0°-180°	42009.0	100.0

Coefficient of Utilization

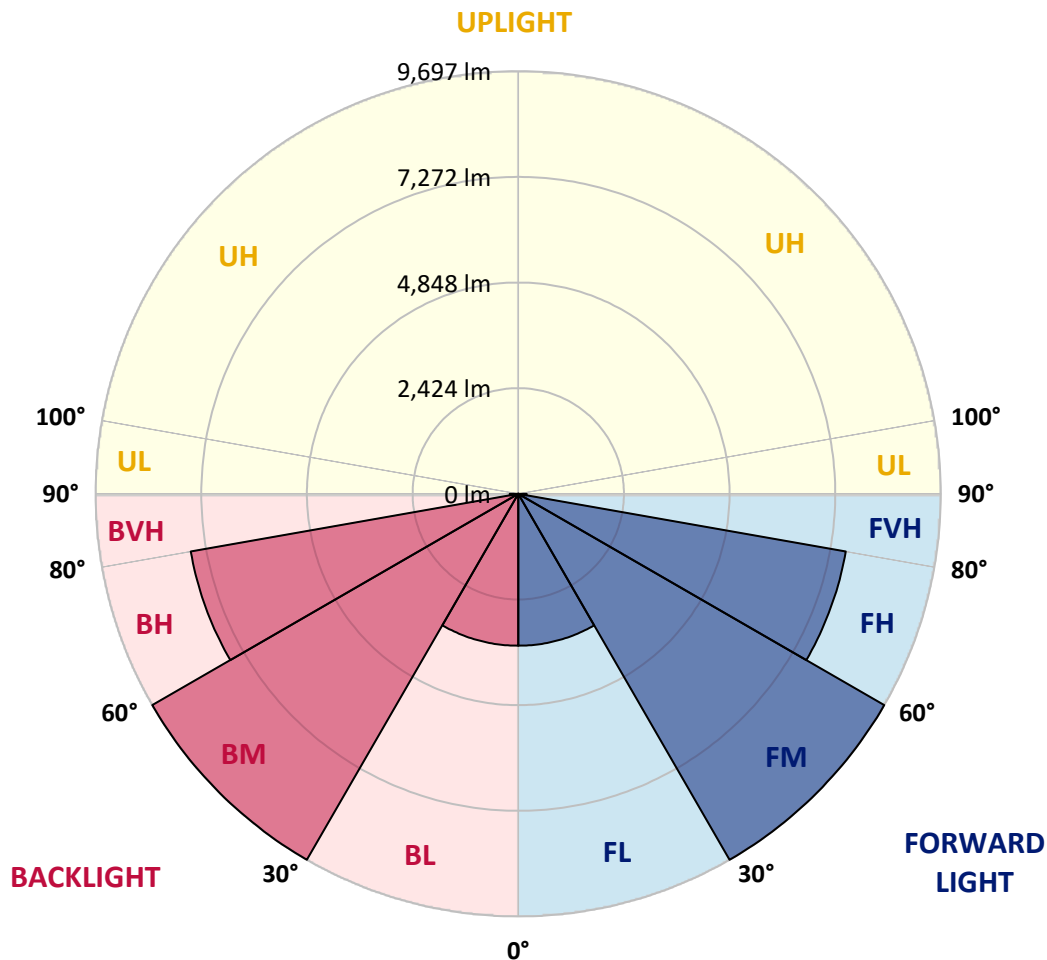


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3484.4	8.3			
FM (30°-60°)	9696.6	23.1			
FH (60°-80°)	7630.9	18.2			G4/12000
FVH (80°-90°)	192.7	0.5			G2/225
BL (0°-30°)	3484.4	8.3	B4/5000		
BM (30°-60°)	9696.6	23.1	B5		
BH (60°-80°)	7630.9	18.2	B5		G5
BVH (80°-90°)	192.7	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°	7849.8	7849.8	7849.8	7849.8	7849.8	7849.8	7849.8	7849.8	7849.8	7849.8
2.5°	7856.5	7865.5	7865.5	7858.8	7874.4	7861.0	7861.0	7854.3	7861.0	7854.3
5°	7896.7	7907.9	7912.3	7910.1	7930.2	7919.0	7919.0	7910.1	7912.3	7905.6
7.5°	7972.6	7988.2	7997.2	8008.3	8037.4	8024.0	8015.0	7988.2	7977.1	7959.2
10°	7997.2	8015.0	8044.1	8102.1	8169.1	8171.3	8144.5	8077.6	8026.2	7986.0
12.5°	7921.3	7945.8	8006.1	8124.4	8274.0	8334.3	8291.9	8180.3	8079.8	8008.3
15°	7825.3	7852.1	7943.6	8122.2	8343.2	8483.9	8479.4	8332.1	8171.3	8059.7
17.5°	7675.7	7702.5	7834.2	8084.2	8396.8	8629.0	8691.5	8539.7	8314.2	8164.6
20°	7405.5	7430.1	7613.2	7963.7	8414.7	8783.1	8946.0	8812.1	8530.8	8327.6
22.5°	7055.0	7093.0	7307.3	7756.1	8372.3	8943.8	9236.3	9144.7	8783.1	8501.7
25°	6679.9	6720.1	6970.2	7501.5	8262.9	9059.9	9580.1	9522.0	9068.8	8718.3
27.5°	6356.2	6398.6	6671.0	7249.3	8093.2	9104.5	9919.4	9948.5	9414.9	8957.2
30°	6101.7	6141.9	6432.1	7046.1	7874.4	9059.9	10216.4	10417.3	9767.6	9164.8
32.5°	5822.6	5874.0	6179.8	6798.3	7615.4	8952.7	10475.4	10924.1	10176.2	9388.1
35°	5469.9	5516.8	5838.3	6458.9	7276.0	8780.8	10691.9	11486.7	10761.1	9727.4
37.5°	5041.2	5085.9	5405.1	6034.7	6938.9	8539.7	10857.1	12120.8	11457.7	10216.4
40°	4610.3	4652.7	4951.9	5561.4	6534.8	8231.6	10915.2	12741.5	12257.0	10888.4
42.5°	4215.2	4253.1	4527.7	5094.8	6081.6	7838.7	10839.3	13281.7	12973.6	11357.2
45°	3851.2	3884.7	4128.1	4657.2	5610.5	7360.9	10611.6	13862.2	13826.5	11692.1
47.5°	3436.0	3469.5	3721.7	4233.0	5139.4	6800.5	10225.3	14433.8	15012.0	12451.2
50°	2929.2	2958.2	3217.2	3744.1	4650.5	6204.4	9689.5	14882.5	16507.9	13601.0
52.5°	2328.6	2359.9	2612.1	3139.0	4070.0	5563.6	8984.0	15175.0	18235.9	15279.9
55°	1732.5	1754.8	1973.6	2446.9	3351.1	4833.6	8099.9	15257.6	20196.1	17575.0
57.5°	1257.0	1270.3	1411.0	1763.8	2540.7	3920.4	7026.0	15043.3	22529.2	20517.6
60°	1018.1	1022.5	1065.0	1221.2	1766.0	2889.0	5728.9	14306.5	25060.9	24310.8
62.5°	924.3	924.3	935.5	977.9	1194.4	1906.6	4159.3	12779.4	27775.8	29104.2
65°	859.6	859.6	864.0	884.1	942.2	1214.5	2625.5	10292.3	30064.2	34719.2
67.5°	801.5	803.7	801.5	808.2	841.7	897.5	1522.6	7108.6	31296.6	40537.3
70°	741.2	745.7	734.5	734.5	761.3	763.5	953.3	3898.1	30274.1	45413.3
72.5°	669.8	676.5	658.6	654.2	674.2	665.3	716.7	1870.9	25991.9	46869.0
75°	607.3	616.2	576.0	564.8	564.8	558.2	582.7	960.0	16869.5	38233.3
77.5°	551.5	569.3	504.6	468.8	459.9	439.8	475.5	587.2	7378.7	17950.1
80°	455.5	480.0	415.3	372.8	357.2	334.9	375.1	410.8	2194.6	4168.3
82.5°	339.4	350.5	294.7	265.7	252.3	236.7	281.3	285.8	714.4	1475.7
85°	216.6	221.0	180.8	156.3	149.6	142.9	178.6	156.3	272.4	1085.0
87.5°	75.9	87.1	69.2	62.5	67.0	55.8	82.6	46.9	75.9	765.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7849.8
7854.3
7905.6
7959.2
7979.3
7997.2
8041.8
8140.1
8289.6
8450.4
8646.9
8881.3
9055.4
9249.7
9573.4
10011.0
10669.6
11075.9
11312.6
12013.6
13051.8
14603.4
16728.9
19452.7
22969.0
27306.9
32446.4
38083.7
44768.1
48565.8
40894.6
17577.3
3991.9
1667.8
1576.2
948.9
0.0

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