

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: P850014

Luminaire Tested: **GLAN-SB7B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850014
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-SB7B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31587 lumens
Efficiency: N/A
Efficacy: 123.1 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

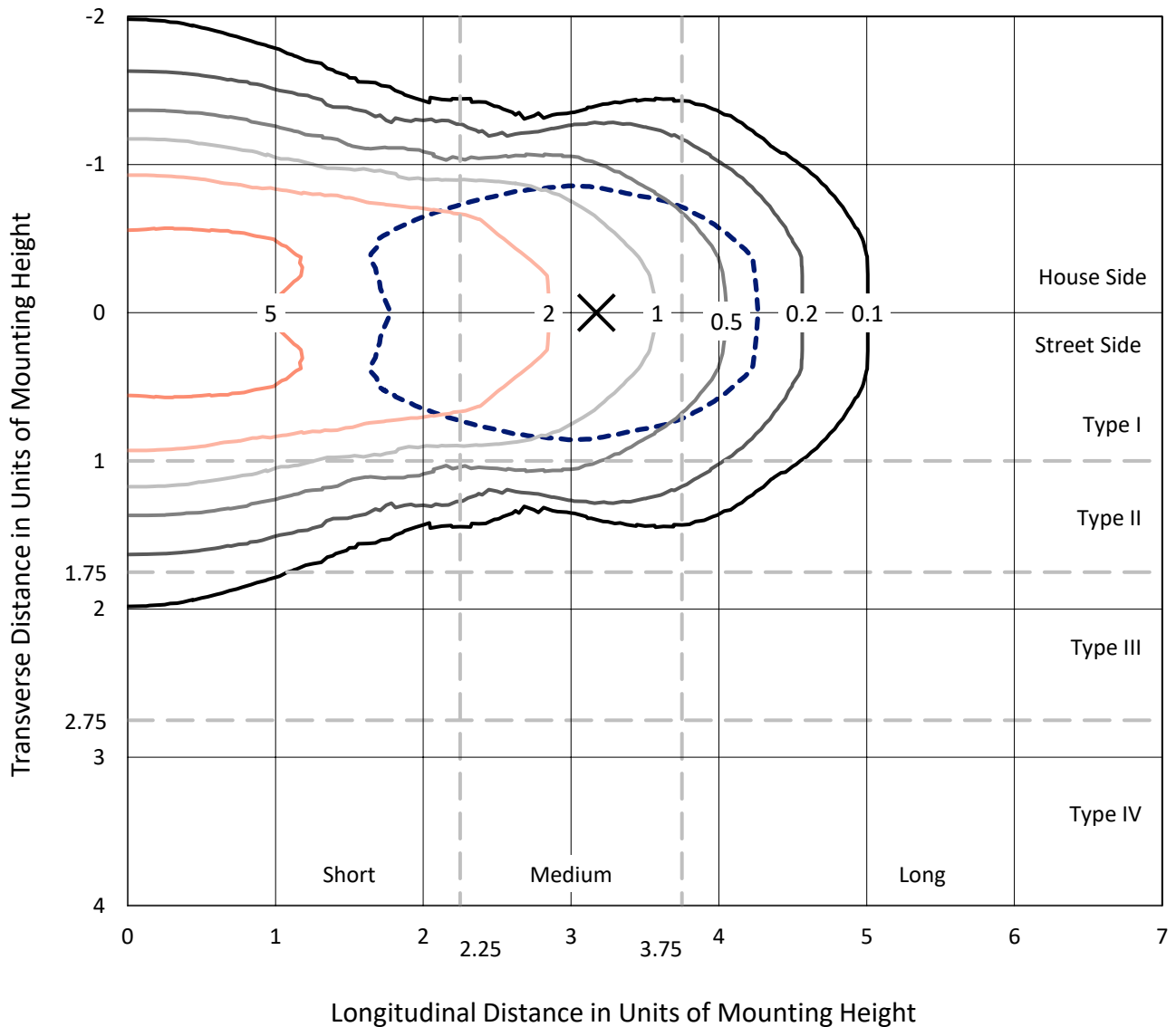
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

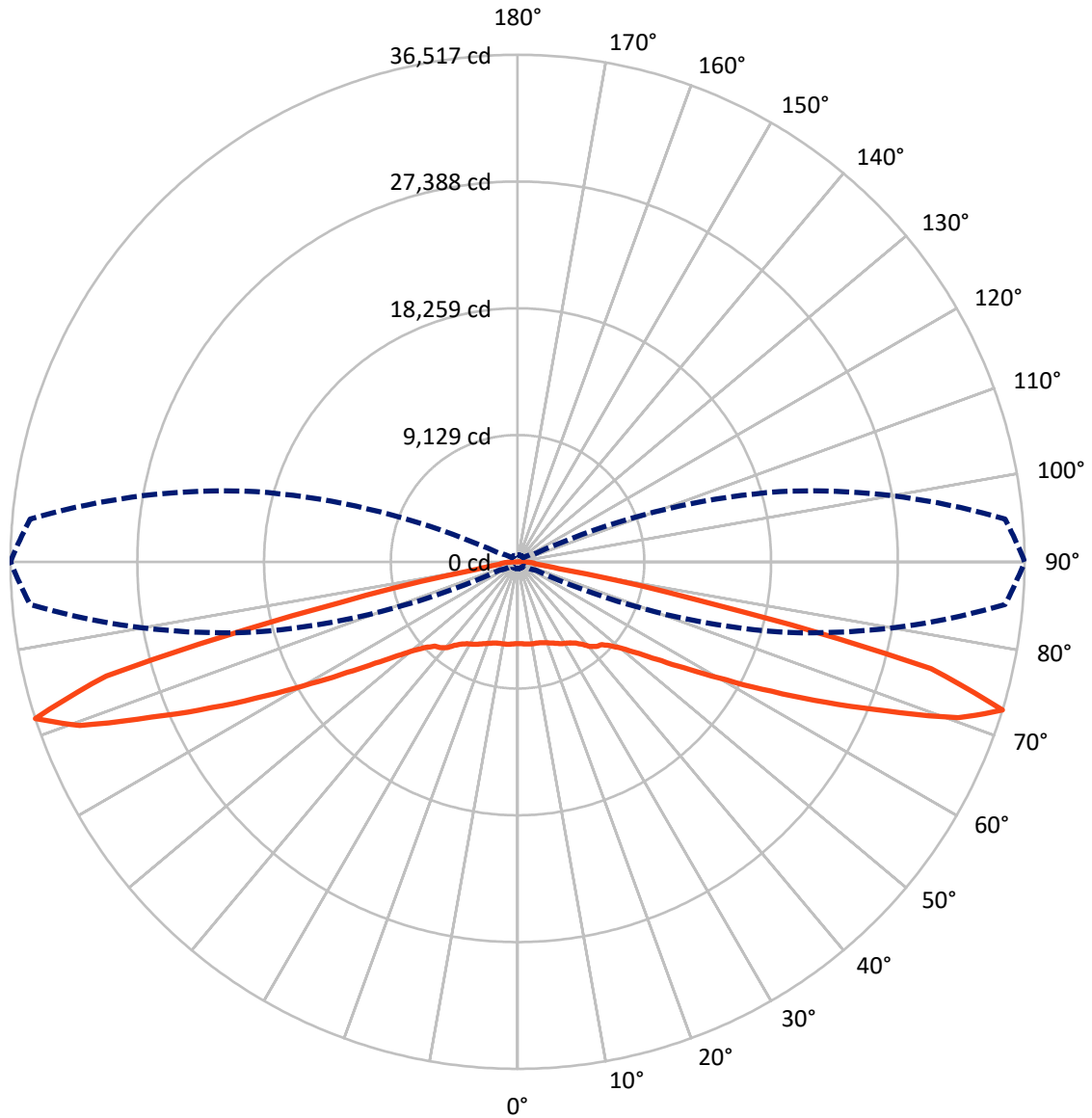
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	15793.5	0.0	15793.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15793.5	0.0	15793.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31587.0	0.0	31587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.3	1.8
10°-20°	1749.9	5.5
20°-30°	2917.8	9.2
30°-40°	4012.8	12.7
40°-50°	4900.8	15.5
50°-60°	5668.3	17.9
60°-70°	6758.5	21.4
70°-80°	4717.0	14.9
80°-90°	289.7	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°	31587.0	100.0
0°-180°	31587.0	100.0

Coefficient of Utilization



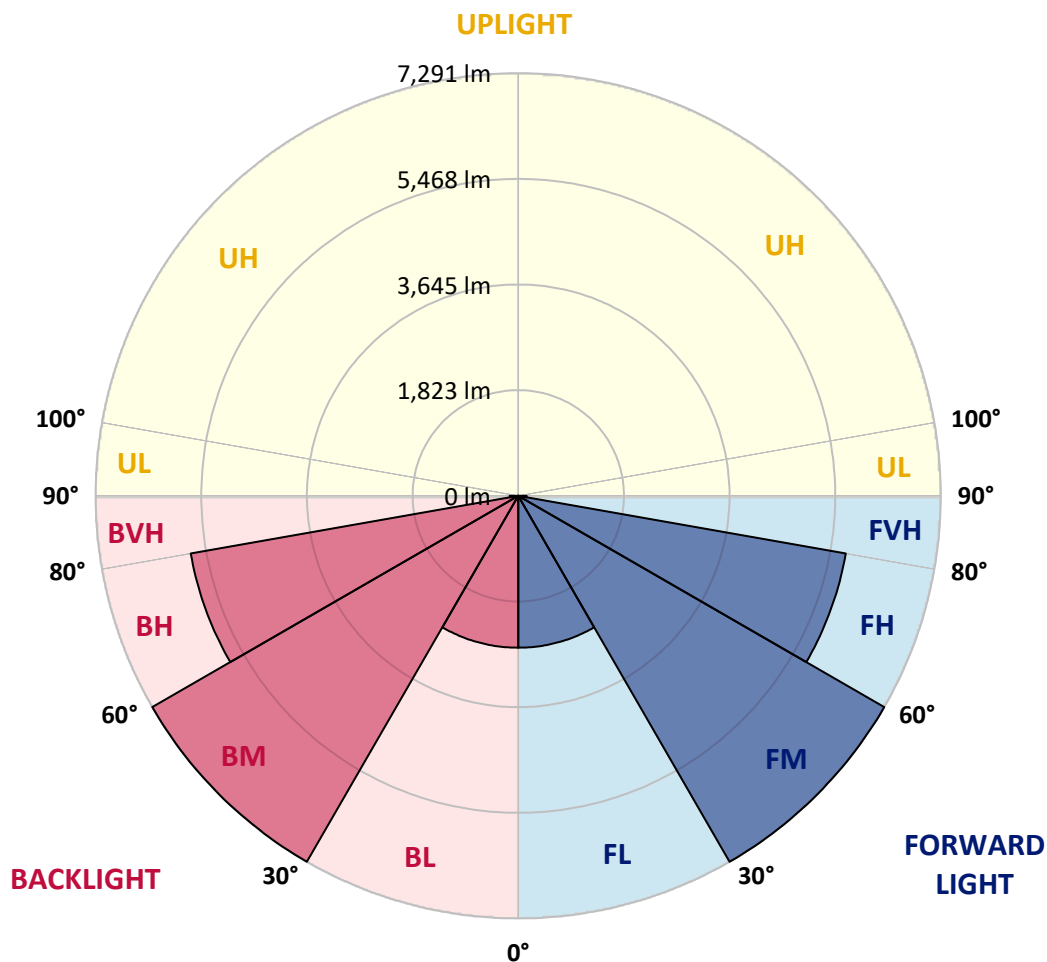
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2620.0	8.3			
FM (30°-60°)	7290.9	23.1			
FH (60°-80°)	5737.7	18.2			G3/7500
FVH (80°-90°)	144.9	0.5			G2/225
BL (0°-30°)	2620.0	8.3	B4/5000		
BM (30°-60°)	7290.9	23.1	B4/8500		
BH (60°-80°)	5737.7	18.2	B5		G5
BVH (80°-90°)	144.9	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°	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4
2.5°	5907.4	5914.1	5914.1	5909.1	5920.8	5910.8	5910.8	5905.7	5910.8	5905.7
5°	5937.6	5946.0	5949.4	5947.7	5962.8	5954.4	5954.4	5947.7	5949.4	5944.3
7.5°	5994.7	6006.4	6013.2	6021.6	6043.4	6033.3	6026.6	6006.4	5998.1	5984.6
10°	6013.2	6026.6	6048.4	6092.1	6142.4	6144.1	6124.0	6073.6	6035.0	6004.8
12.5°	5956.1	5974.5	6019.9	6108.8	6221.3	6266.6	6234.8	6150.8	6075.3	6021.6
15°	5883.9	5904.0	5972.9	6107.2	6273.4	6379.1	6375.8	6265.0	6144.1	6060.2
17.5°	5771.4	5791.6	5890.6	6078.6	6313.6	6488.2	6535.2	6421.1	6251.5	6139.1
20°	5568.3	5586.8	5724.4	5988.0	6327.1	6604.1	6726.6	6625.9	6414.4	6261.6
22.5°	5304.7	5333.3	5494.4	5831.9	6295.2	6724.9	6944.8	6876.0	6604.1	6392.5
25°	5022.7	5052.9	5241.0	5640.5	6212.9	6812.2	7203.4	7159.7	6818.9	6555.4
27.5°	4779.3	4811.2	5016.0	5450.8	6085.3	6845.8	7458.5	7480.4	7079.1	6735.0
30°	4587.9	4618.1	4836.4	5298.0	5920.8	6812.2	7681.8	7832.9	7344.4	6891.1
32.5°	4378.1	4416.7	4646.7	5111.7	5726.1	6731.6	7876.5	8214.0	7651.6	7059.0
35°	4112.9	4148.1	4389.8	4856.5	5470.9	6602.4	8039.4	8637.0	8091.4	7314.2
37.5°	3790.5	3824.1	4064.2	4537.6	5217.4	6421.1	8163.6	9113.7	8615.2	7681.8
40°	3466.5	3498.4	3723.4	4181.7	4913.6	6189.4	8207.2	9580.4	9216.1	8187.1
42.5°	3169.4	3198.0	3404.4	3830.8	4572.8	5894.0	8150.2	9986.7	9755.0	8539.6
45°	2895.8	2921.0	3103.9	3501.8	4218.6	5534.7	7978.9	10423.1	10396.3	8791.4
47.5°	2583.5	2608.7	2798.4	3182.8	3864.4	5113.4	7688.5	10852.9	11287.7	9362.2
50°	2202.5	2224.3	2419.0	2815.2	3496.8	4665.2	7285.6	11190.3	12412.4	10226.7
52.5°	1750.9	1774.4	1964.1	2360.3	3060.3	4183.4	6755.2	11410.2	13711.7	11489.1
55°	1302.7	1319.5	1484.0	1839.9	2519.8	3634.4	6090.4	11472.3	15185.7	13214.8
57.5°	945.1	955.2	1060.9	1326.2	1910.4	2947.8	5282.9	11311.2	16939.9	15427.4
60°	765.5	768.9	800.7	918.3	1327.9	2172.3	4307.6	10757.2	18843.6	18279.5
62.5°	695.0	695.0	703.4	735.3	898.1	1433.6	3127.4	9609.0	20884.9	21883.7
65°	646.3	646.3	649.7	664.8	708.4	913.2	1974.2	7738.9	22605.6	26105.7
67.5°	602.7	604.3	602.7	607.7	632.9	674.8	1144.9	5345.0	23532.2	30480.4
70°	557.3	560.7	552.3	552.3	572.4	574.1	716.8	2931.0	22763.4	34146.8
72.5°	503.6	508.7	495.2	491.9	507.0	500.3	538.9	1406.8	19543.6	35241.3
75°	456.6	463.3	433.1	424.7	424.7	419.7	438.1	721.8	12684.4	28748.0
77.5°	414.6	428.1	379.4	352.5	345.8	330.7	357.6	441.5	5548.2	13496.9
80°	342.5	360.9	312.2	280.3	268.6	251.8	282.0	308.9	1650.2	3134.2
82.5°	255.2	263.6	221.6	199.8	189.7	177.9	211.5	214.9	537.2	1109.6
85°	162.8	166.2	136.0	117.5	112.5	107.4	134.3	117.5	204.8	815.9
87.5°	57.1	65.5	52.0	47.0	50.4	42.0	62.1	35.3	57.1	575.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5902.4
5905.7
5944.3
5984.6
5999.7
6013.2
6046.7
6120.6
6233.1
6353.9
6501.7
6677.9
6808.9
6954.9
7198.3
7527.4
8022.6
8328.1
8506.1
9033.2
9813.8
10980.5
12578.6
14626.6
17270.6
20532.4
24396.8
28635.5
33661.6
36517.1
30749.0
13216.5
3001.5
1254.0
1185.2
713.5
0.0

OF REPORT)