

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: P851544

Luminaire Tested: **GLAN-SB9C-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851544  
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-SB9C-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 53804 lumens  
Efficiency: N/A  
Efficacy: 119.6 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

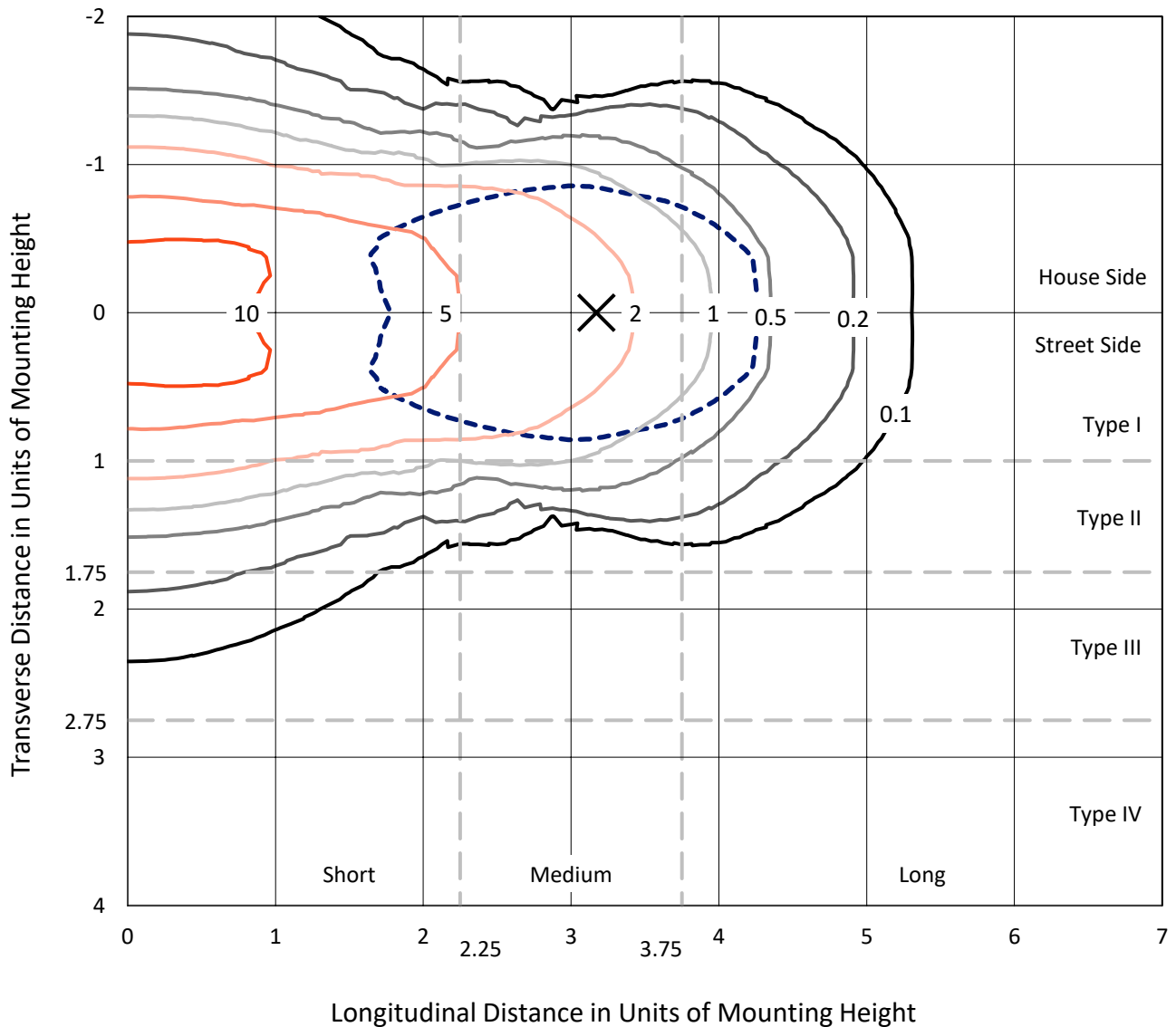
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

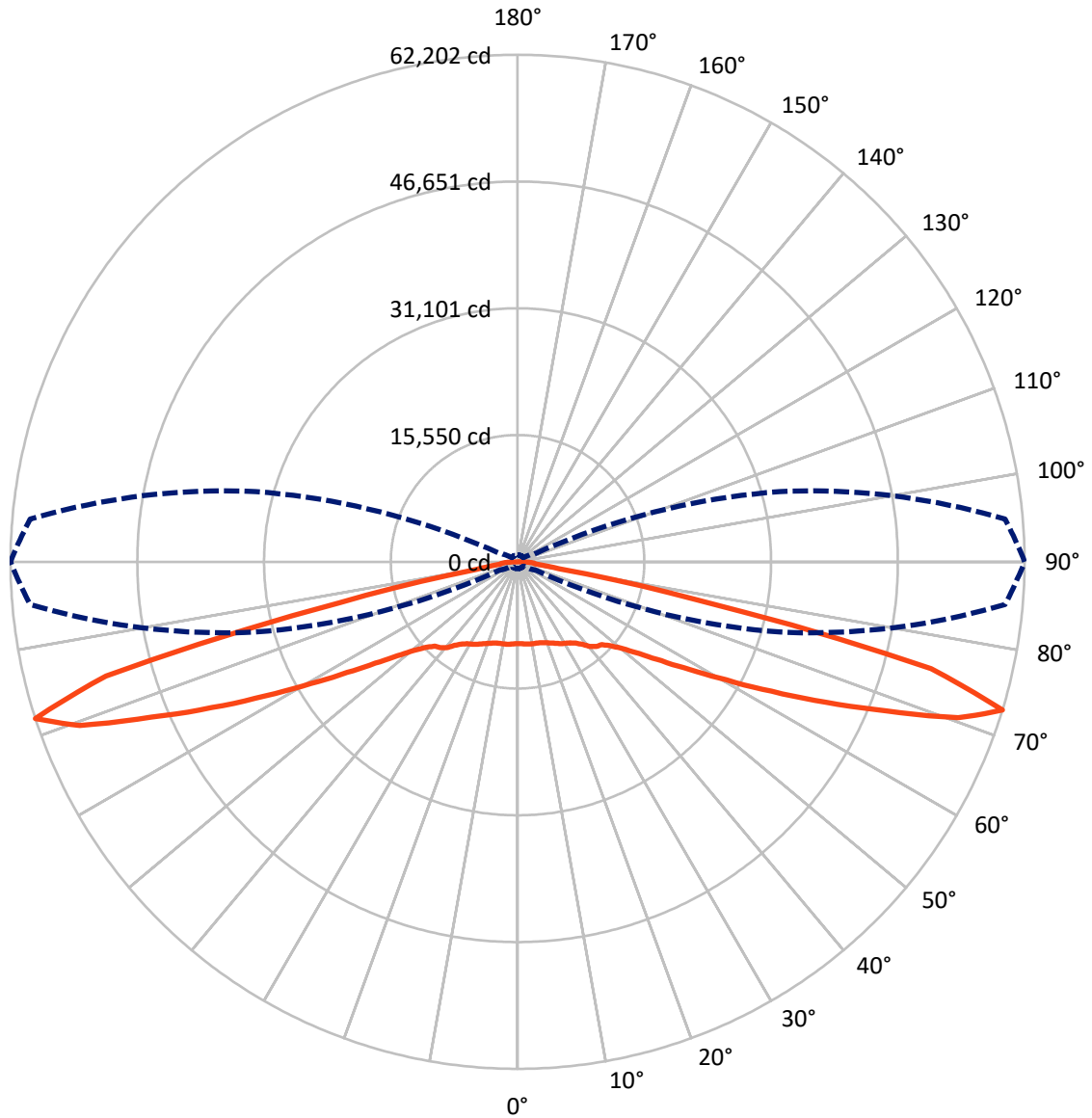
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 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	26902.0	0.0	26902.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26902.0	0.0	26902.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	53804.0	0.0	53804.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	974.8	1.8
10°-20°	2980.7	5.5
20°-30°	4970.0	9.2
30°-40°	6835.3	12.7
40°-50°	8347.8	15.5
50°-60°	9655.1	17.9
60°-70°	11512.1	21.4
70°-80°	8034.7	14.9
80°-90°	493.5	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°	53804.0	100.0
0°-180°	53804.0	100.0

**Coefficient of Utilization**

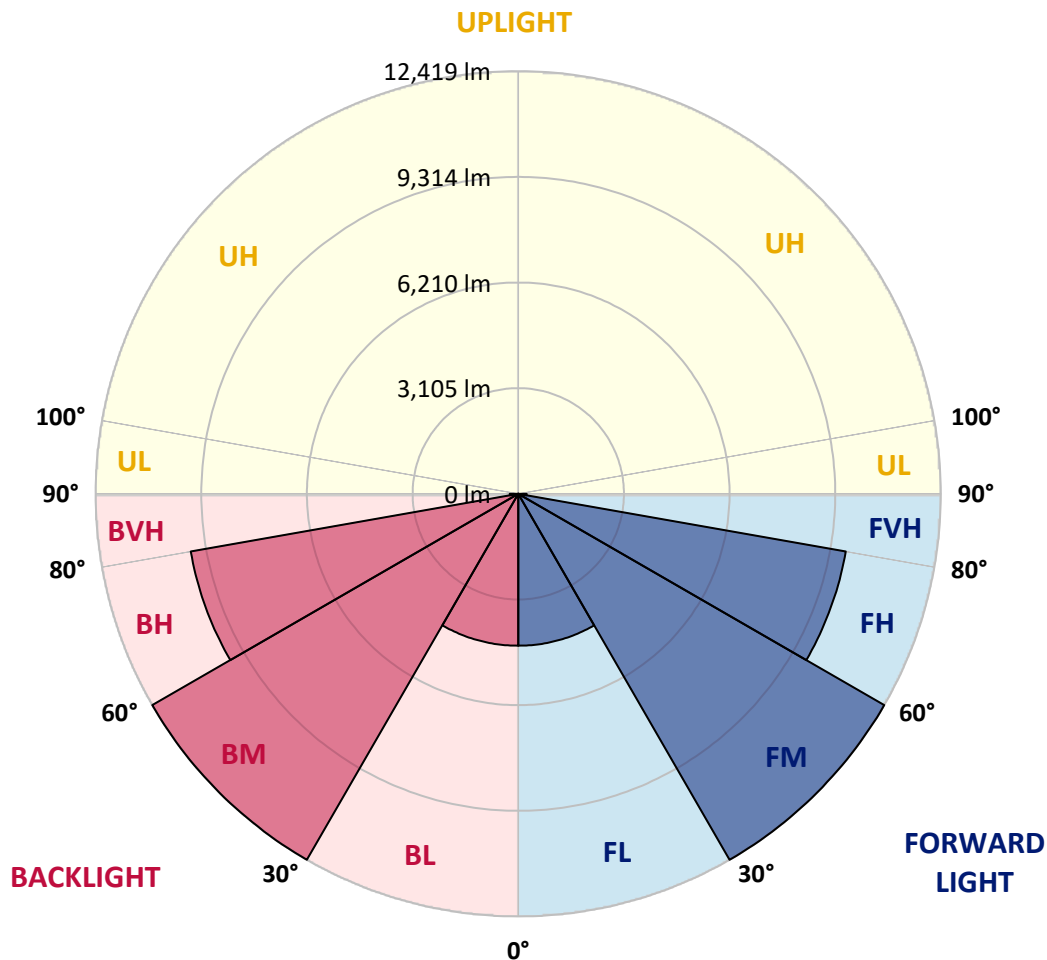


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4462.8	8.3			
FM (30°-60°)	12419.1	23.1			
FH (60°-80°)	9773.4	18.2			G4/12000
FVH (80°-90°)	246.7	0.5			G3/500
BL (0°-30°)	4462.8	8.3	B4/5000		
BM (30°-60°)	12419.1	23.1	B5		
BH (60°-80°)	9773.4	18.2	B5		G5
BVH (80°-90°)	246.7	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°	10053.8	10053.8	10053.8	10053.8	10053.8	10053.8	10053.8	10053.8	10053.8	10053.8
2.5°	10062.4	10073.9	10073.9	10065.3	10085.3	10068.1	10068.1	10059.6	10068.1	10059.6
5°	10113.9	10128.2	10133.9	10131.1	10156.8	10142.5	10142.5	10131.1	10133.9	10125.3
7.5°	10211.1	10231.1	10242.6	10256.9	10294.0	10276.9	10265.4	10231.1	10216.8	10194.0
10°	10242.6	10265.4	10302.6	10377.0	10462.7	10465.6	10431.3	10345.5	10279.7	10228.3
12.5°	10145.3	10176.8	10254.0	10405.6	10597.1	10674.3	10620.0	10477.0	10348.4	10256.9
15°	10022.4	10056.7	10173.9	10402.7	10685.8	10865.9	10860.2	10671.5	10465.6	10322.6
17.5°	9830.8	9865.1	10033.8	10354.1	10754.4	11051.8	11131.9	10937.4	10648.6	10457.0
20°	9484.8	9516.3	9750.7	10199.7	10777.3	11249.1	11457.8	11286.3	10926.0	10665.8
22.5°	9035.9	9084.5	9359.0	9933.7	10723.0	11455.0	11829.6	11712.3	11249.1	10888.8
25°	8555.5	8607.0	8927.2	9607.8	10582.8	11603.7	12269.9	12195.6	11615.1	11166.2
27.5°	8140.9	8195.2	8544.1	9284.7	10365.5	11660.9	12704.6	12741.7	12058.3	11472.1
30°	7814.9	7866.4	8238.1	9024.4	10085.3	11603.7	13084.9	13342.2	12510.1	11738.1
32.5°	7457.5	7523.2	7915.0	8707.0	9753.6	11466.4	13416.6	13991.3	13033.4	12024.0
35°	7005.7	7065.7	7477.5	8272.4	9319.0	11246.2	13693.9	14711.9	13782.6	12458.6
37.5°	6456.7	6513.8	6922.7	7729.1	8887.2	10937.4	13905.5	15524.0	14674.7	13084.9
40°	5904.8	5959.1	6342.3	7122.9	8369.6	10542.8	13979.9	16318.9	15698.4	13945.6
42.5°	5398.7	5447.3	5799.0	6525.3	7789.2	10039.5	13882.7	17010.9	16616.3	14546.0
45°	4932.6	4975.5	5287.1	5964.8	7185.8	9427.6	13591.0	17754.4	17708.6	14975.0
47.5°	4400.7	4443.6	4766.7	5421.5	6582.5	8709.9	13096.3	18486.4	19227.0	15947.2
50°	3751.6	3788.8	4120.5	4795.3	5956.2	7946.4	12410.0	19061.1	21142.8	17419.8
52.5°	2982.4	3022.4	3345.6	4020.4	5212.8	7125.8	11506.4	19435.7	23356.0	19570.1
55°	2218.9	2247.5	2527.8	3134.0	4292.0	6190.7	10374.1	19541.5	25866.6	22509.6
57.5°	1609.9	1627.0	1807.2	2259.0	3254.1	5021.2	8998.7	19267.0	28854.8	26278.4
60°	1303.9	1309.6	1364.0	1564.1	2261.8	3700.1	7337.4	18323.4	32097.4	31136.6
62.5°	1183.8	1183.8	1198.1	1252.4	1529.8	2442.0	5327.2	16367.5	35574.5	37275.9
65°	1100.9	1100.9	1106.6	1132.3	1206.7	1555.5	3362.7	13182.1	38505.4	44467.4
67.5°	1026.5	1029.4	1026.5	1035.1	1078.0	1149.5	1950.1	9104.5	40083.8	51919.1
70°	949.3	955.1	940.8	940.8	975.1	977.9	1221.0	4992.6	38774.2	58164.2
72.5°	857.8	866.4	843.5	837.8	863.6	852.1	917.9	2396.2	33289.8	60028.5
75°	777.8	789.2	737.7	723.4	723.4	714.9	746.3	1229.6	21606.0	48968.2
77.5°	706.3	729.2	646.2	600.5	589.0	563.3	609.1	752.0	9450.5	22990.0
80°	583.3	614.8	531.9	477.5	457.5	428.9	480.4	526.1	2810.8	5338.6
82.5°	434.6	448.9	377.4	340.3	323.1	303.1	360.3	366.0	915.0	1890.1
85°	277.4	283.1	231.6	200.2	191.6	183.0	228.8	200.2	348.9	1389.7
87.5°	97.2	111.5	88.6	80.1	85.8	71.5	105.8	60.0	97.2	980.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10053.8  
10059.6  
10125.3  
10194.0  
10219.7  
10242.6  
10299.8  
10425.6  
10617.2  
10823.0  
11074.7  
11374.9  
11598.0  
11846.7  
12261.3  
12821.8  
13665.3  
14185.8  
14488.9  
15386.7  
16716.4  
18703.7  
21425.9  
24914.4  
29418.1  
34974.0  
41556.5  
48776.6  
57337.8  
62201.7  
52376.6  
22512.5  
5112.7  
2136.0  
2018.8  
1215.3  
0.0

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