

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: P851494

Luminaire Tested: **GLAN-SB9C-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851494  
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-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 65185 lumens  
Efficiency: N/A  
Efficacy: 144.9 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

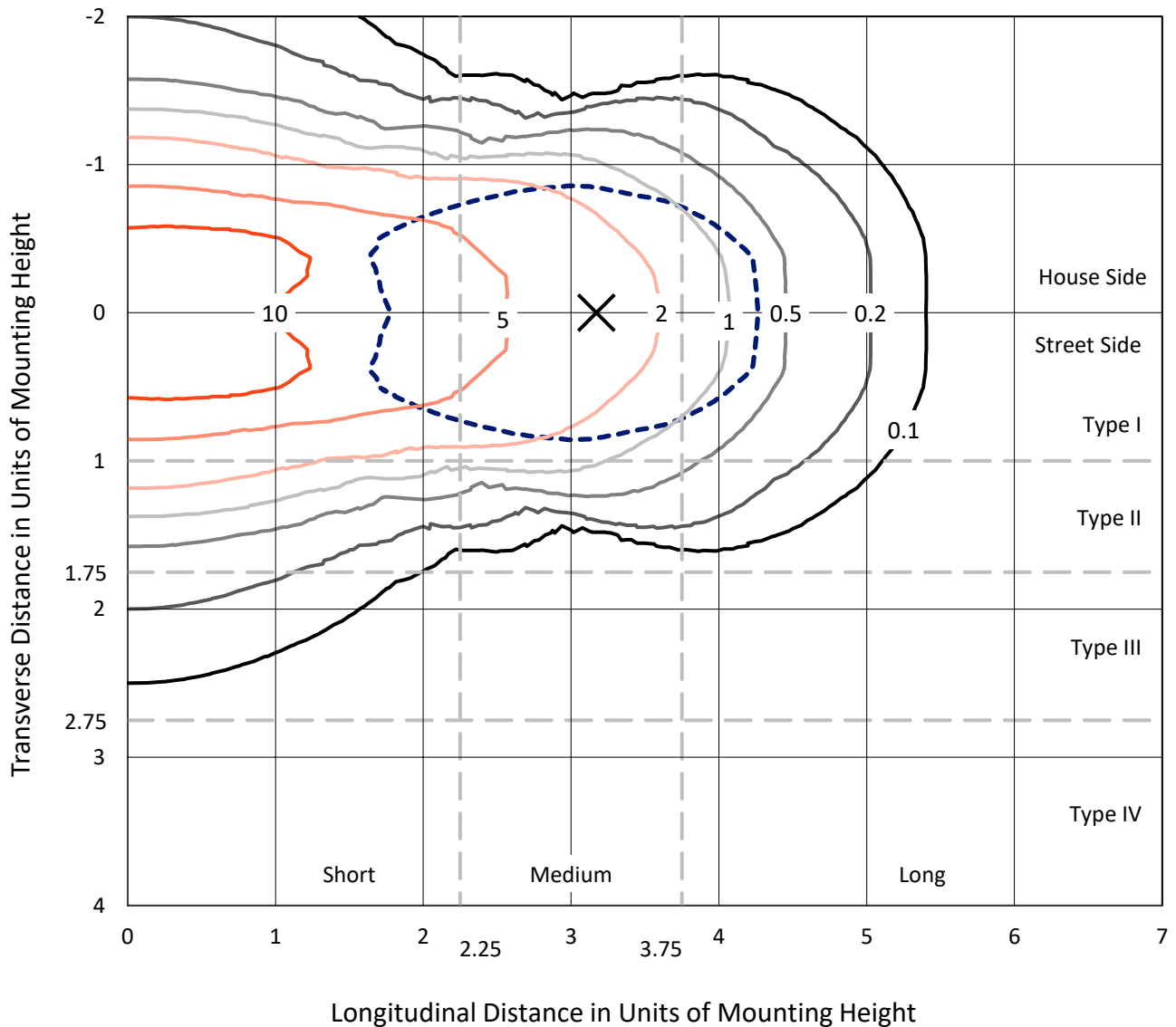
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

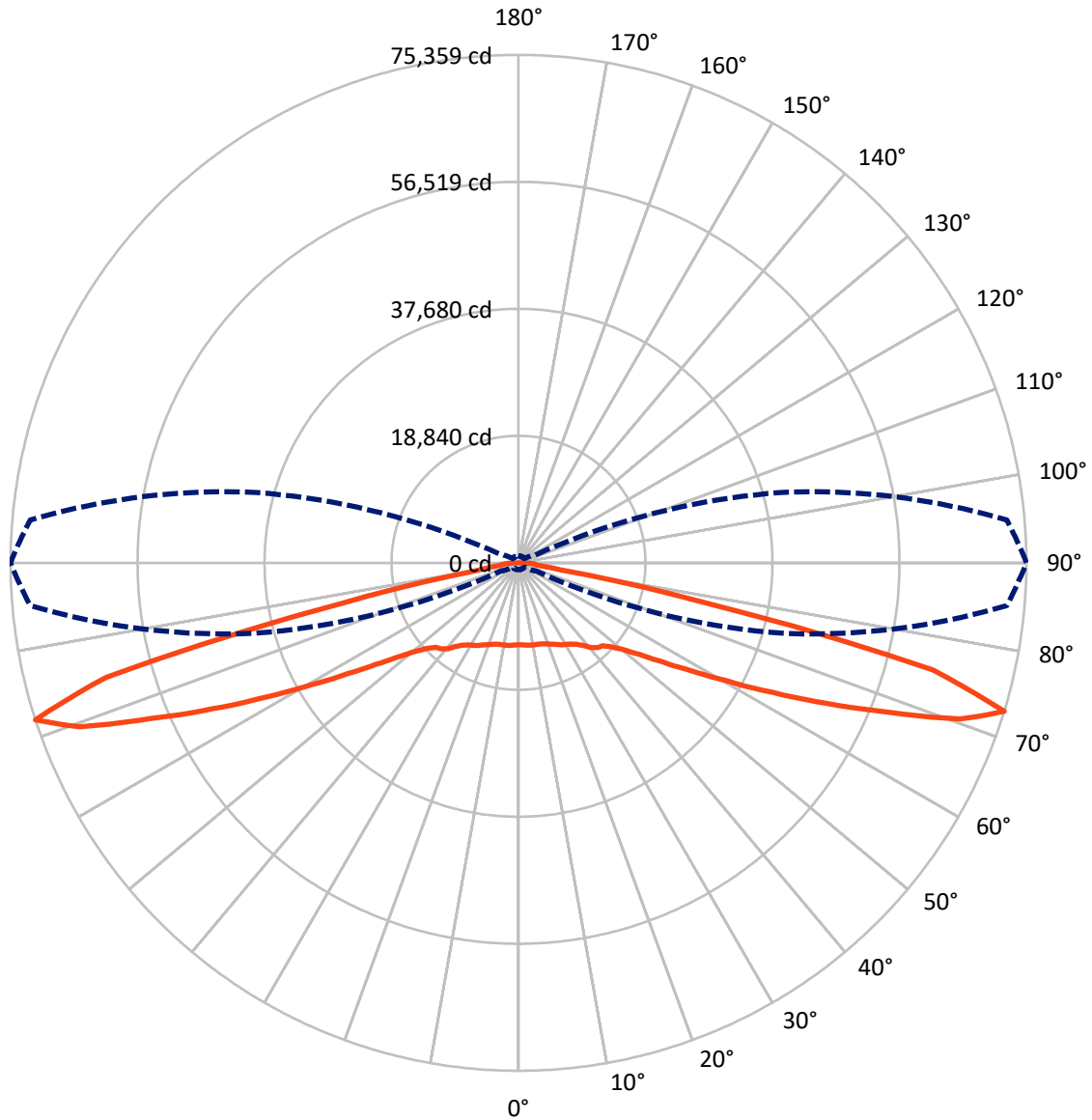
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 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	32592.5	0.0	32592.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	32592.5	0.0	32592.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	65185.0	0.0	65185.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1181.0	1.8
10°-20°	3611.2	5.5
20°-30°	6021.3	9.2
30°-40°	8281.2	12.7
40°-50°	10113.6	15.5
50°-60°	11697.4	17.9
60°-70°	13947.2	21.4
70°-80°	9734.3	14.9
80°-90°	597.9	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°	65185.0	100.0
0°-180°	65185.0	100.0

**Coefficient of Utilization**

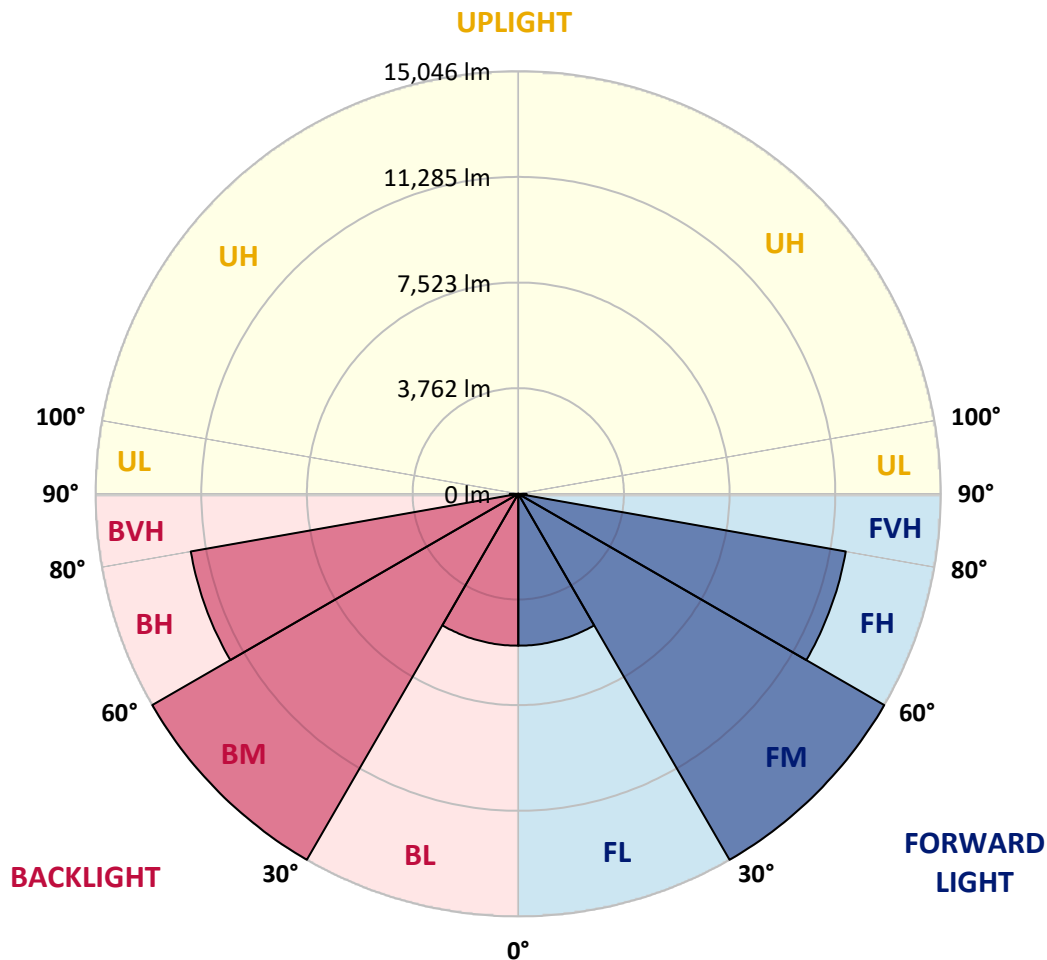


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5406.8	8.3			
FM (30°-60°)	15046.1	23.1			
FH (60°-80°)	11840.7	18.2			G4/12000
FVH (80°-90°)	298.9	0.5			G3/500
BL (0°-30°)	5406.8	8.3	B5		
BM (30°-60°)	15046.1	23.1	B5		
BH (60°-80°)	11840.7	18.2	B5		G5
BVH (80°-90°)	298.9	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°	12180.5	12180.5	12180.5	12180.5	12180.5	12180.5	12180.5	12180.5	12180.5	12180.5
2.5°	12190.9	12204.8	12204.8	12194.4	12218.6	12197.8	12197.8	12187.4	12197.8	12187.4
5°	12253.3	12270.6	12277.5	12274.0	12305.2	12287.9	12287.9	12274.0	12277.5	12267.1
7.5°	12371.0	12395.3	12409.1	12426.5	12471.5	12450.7	12436.9	12395.3	12378.0	12350.3
10°	12409.1	12436.9	12481.9	12572.0	12675.9	12679.4	12637.8	12533.9	12454.2	12391.8
12.5°	12291.4	12329.5	12423.0	12606.6	12838.7	12932.3	12866.4	12693.2	12537.3	12426.5
15°	12142.4	12184.0	12326.0	12603.2	12946.1	13164.4	13157.4	12928.8	12679.4	12506.2
17.5°	11910.3	11951.9	12156.3	12544.3	13029.3	13389.5	13486.5	13251.0	12901.1	12669.0
20°	11491.1	11529.2	11813.3	12357.2	13057.0	13628.6	13881.5	13673.6	13237.1	12921.9
22.5°	10947.2	11006.1	11338.7	12035.0	12991.2	13878.0	14331.8	14189.8	13628.6	13192.1
25°	10365.2	10427.6	10815.6	11640.1	12821.4	14058.2	14865.3	14775.3	14072.0	13528.1
27.5°	9862.9	9928.7	10351.4	11248.6	12558.1	14127.4	15391.9	15437.0	14609.0	13898.8
30°	9468.0	9530.3	9980.7	10933.4	12218.6	14058.2	15852.7	16164.5	15156.3	14221.0
32.5°	9034.9	9114.6	9589.2	10548.8	11816.8	13891.9	16254.5	16950.9	15790.3	14567.4
35°	8487.6	8560.3	9059.2	10022.2	11290.2	13625.1	16590.6	17823.9	16698.0	15094.0
37.5°	7822.4	7891.7	8387.1	9364.0	10767.1	13251.0	16846.9	18807.7	17778.8	15852.7
40°	7153.8	7219.6	7683.8	8629.6	10140.0	12772.9	16937.0	19770.8	19019.0	16895.4
42.5°	6540.6	6599.5	7025.6	7905.5	9436.8	12163.2	16819.2	20609.2	20131.1	17622.9
45°	5975.9	6027.9	6405.5	7226.5	8705.8	11421.8	16465.9	21509.9	21454.5	18142.6
47.5°	5331.6	5383.5	5775.0	6568.3	7974.8	10552.3	15866.5	22396.7	23294.0	19320.4
50°	4545.2	4590.2	4992.1	5809.6	7216.2	9627.3	15035.1	23093.1	25615.1	21104.6
52.5°	3613.3	3661.8	4053.2	4870.8	6315.4	8633.1	13940.4	23546.9	28296.5	23709.7
55°	2688.3	2722.9	3062.4	3796.9	5199.9	7500.2	12568.5	23675.1	31338.1	27271.0
57.5°	1950.4	1971.2	2189.4	2736.8	3942.4	6083.3	10902.2	23342.5	34958.3	31837.0
60°	1579.7	1586.7	1652.5	1895.0	2740.3	4482.8	8889.4	22199.3	38886.9	37722.8
62.5°	1434.2	1434.2	1451.5	1517.4	1853.4	2958.5	6454.0	19829.7	43099.5	45160.7
65°	1333.8	1333.8	1340.7	1371.9	1461.9	1884.6	4074.0	15970.5	46650.4	53873.4
67.5°	1243.7	1247.2	1243.7	1254.1	1306.0	1392.7	2362.7	11030.4	48562.7	62901.4
70°	1150.2	1157.1	1139.8	1139.8	1181.3	1184.8	1479.3	6048.7	46976.0	70467.5
72.5°	1039.3	1049.7	1022.0	1015.0	1046.2	1032.4	1112.0	2903.1	40331.5	72726.2
75°	942.3	956.1	893.8	876.5	876.5	866.1	904.2	1489.7	26176.3	59326.3
77.5°	855.7	883.4	782.9	727.5	713.6	682.5	737.9	911.1	11449.5	27853.0
80°	706.7	744.8	644.4	578.5	554.3	519.6	582.0	637.4	3405.4	6467.9
82.5°	526.6	543.9	457.3	412.3	391.5	367.2	436.5	443.4	1108.6	2289.9
85°	336.0	343.0	280.6	242.5	232.1	221.7	277.1	242.5	422.6	1683.7
87.5°	117.8	135.1	107.4	97.0	103.9	86.6	128.2	72.8	117.8	1188.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12180.5  
12187.4  
12267.1  
12350.3  
12381.4  
12409.1  
12478.4  
12630.9  
12863.0  
13112.4  
13417.3  
13781.0  
14051.2  
14352.6  
14855.0  
15534.0  
16555.9  
17186.4  
17553.6  
18641.4  
20252.3  
22660.0  
25958.1  
30184.5  
35640.8  
42371.9  
50346.8  
59094.2  
69466.3  
75359.1  
63455.7  
27274.5  
6194.2  
2587.8  
2445.8  
1472.3  
0.0

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