

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: P851664

Luminaire Tested: **GLAN-SB9D-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851664  
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-SB9D-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 88572 lumens  
Efficiency: N/A  
Efficacy: 134.6 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

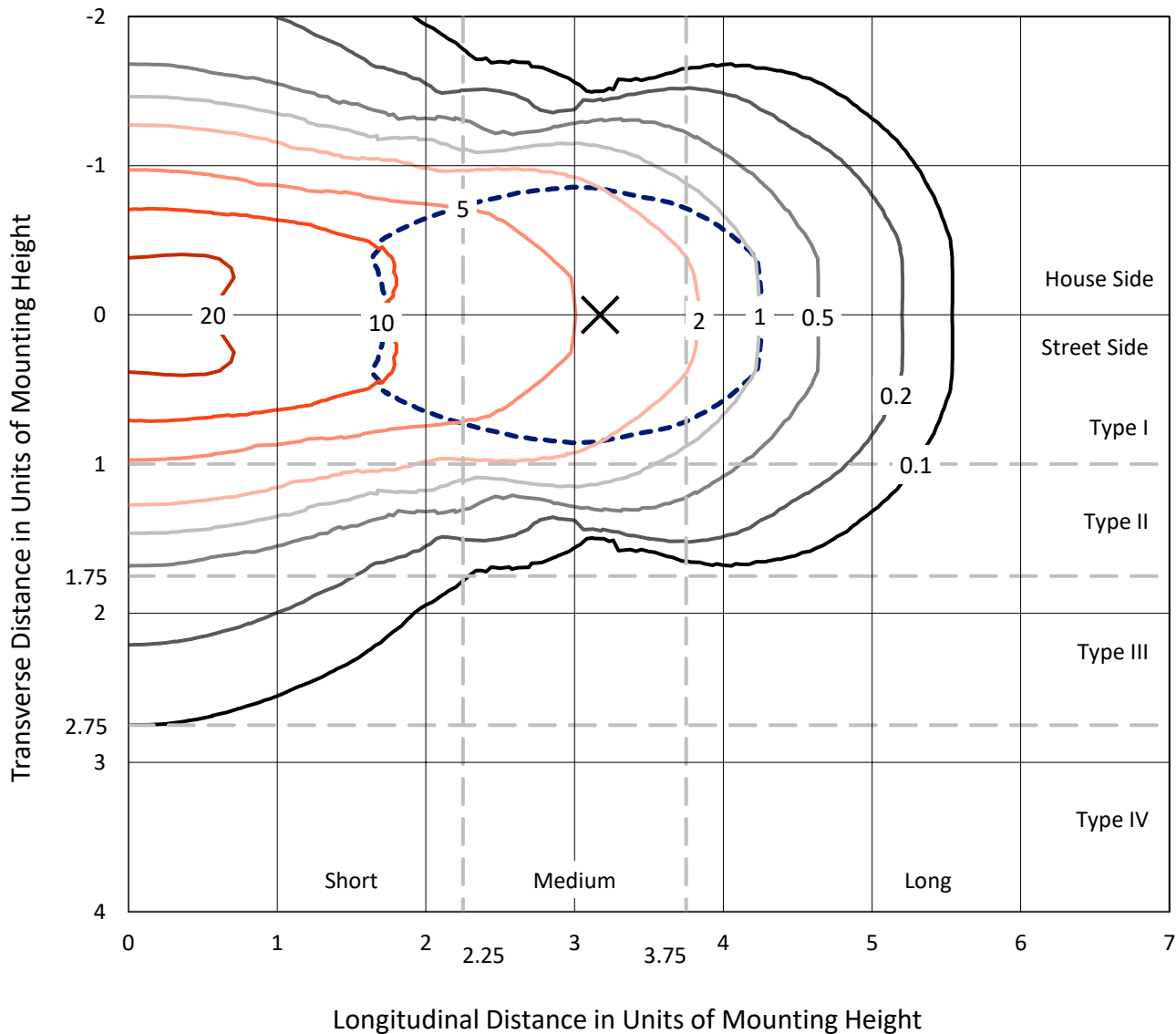
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

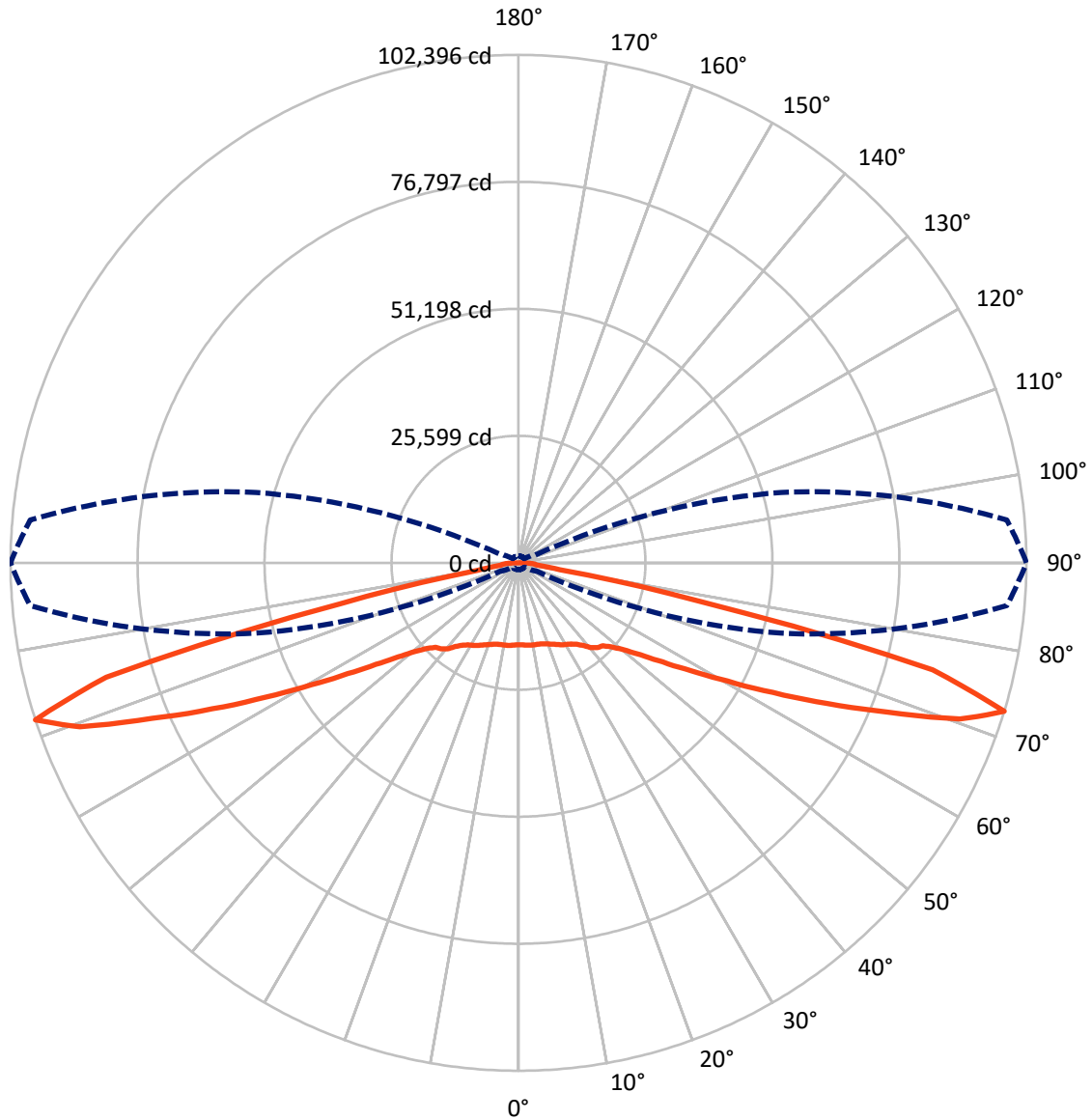
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.5 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	44286.0	0.0	44286.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	44286.0	0.0	44286.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	88572.0	0.0	88572.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1604.8	1.8
10°-20°	4906.8	5.5
20°-30°	8181.6	9.2
30°-40°	11252.3	12.7
40°-50°	13742.1	15.5
50°-60°	15894.2	17.9
60°-70°	18951.2	21.4
70°-80°	13226.7	14.9
80°-90°	812.4	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°	88572.0	100.0
0°-180°	88572.0	100.0

**Coefficient of Utilization**



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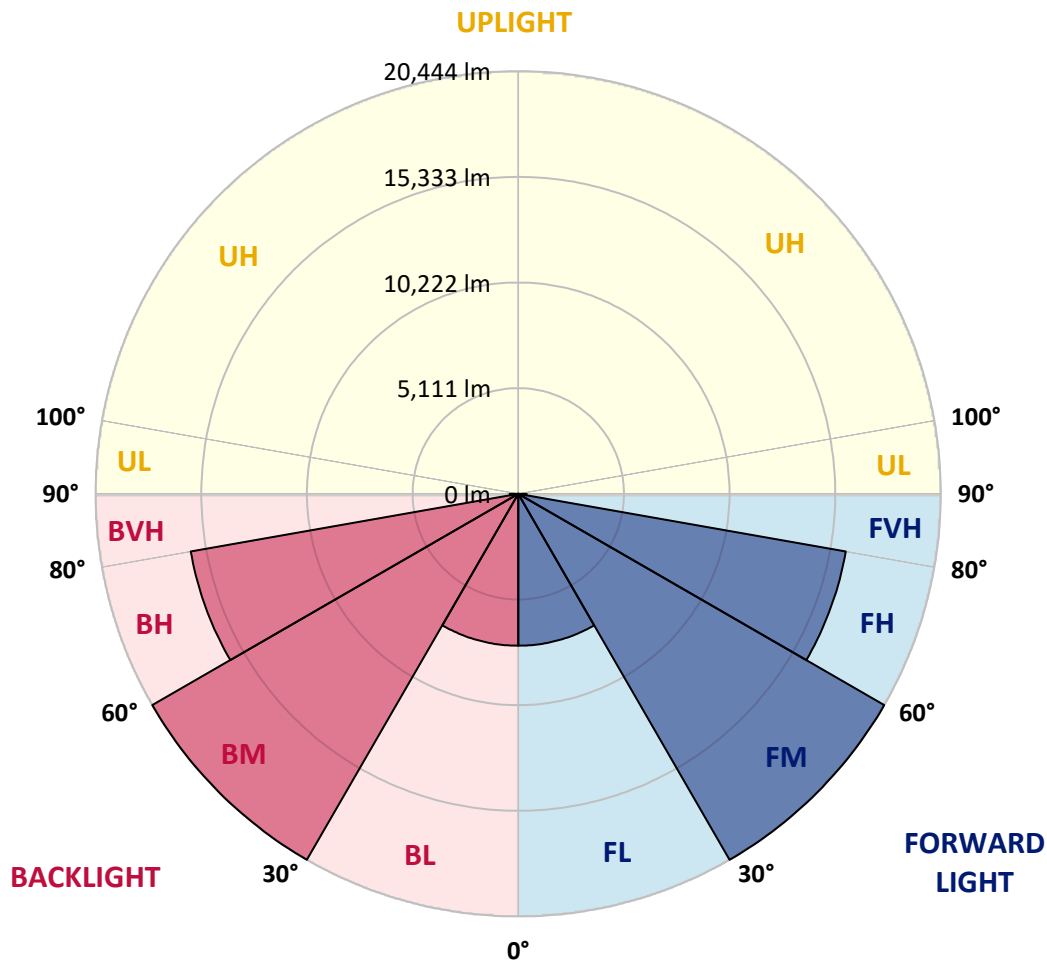
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7346.6	8.3			
FM (30°-60°)	20444.3	23.1			
FH (60°-80°)	16088.9	18.2			G5
FVH (80°-90°)	406.2	0.5			G3/500
BL (0°-30°)	7346.6	8.3	B5		
BM (30°-60°)	20444.3	23.1	B5		
BH (60°-80°)	16088.9	18.2	B5		G5
BVH (80°-90°)	406.2	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°	16550.6	16550.6	16550.6	16550.6	16550.6	16550.6	16550.6	16550.6	16550.6	16550.6
2.5°	16564.7	16583.6	16583.6	16569.4	16602.4	16574.1	16574.1	16560.0	16574.1	16560.0
5°	16649.5	16673.0	16682.4	16677.7	16720.1	16696.5	16696.5	16677.7	16682.4	16668.3
7.5°	16809.5	16842.5	16861.3	16884.8	16946.0	16917.8	16898.9	16842.5	16818.9	16781.3
10°	16861.3	16898.9	16960.1	17082.5	17223.7	17228.5	17172.0	17030.8	16922.5	16837.8
12.5°	16701.2	16753.0	16880.1	17129.6	17445.0	17572.1	17482.6	17247.3	17035.5	16884.8
15°	16498.8	16555.3	16748.3	17124.9	17590.9	17887.5	17878.1	17567.4	17228.5	16993.1
17.5°	16183.4	16239.9	16517.7	17044.9	17703.9	18193.4	18325.2	18005.1	17529.7	17214.3
20°	15613.9	15665.7	16051.6	16790.7	17741.5	18518.2	18861.9	18579.4	17986.3	17558.0
22.5°	14874.8	14954.9	15406.8	16352.9	17652.1	18857.2	19473.8	19280.8	18518.2	17925.1
25°	14084.0	14168.8	14696.0	15816.3	17421.5	19101.9	20198.7	20076.3	19120.8	18381.7
27.5°	13401.5	13490.9	14065.2	15284.4	17063.7	19196.1	20914.2	20975.4	19850.4	18885.4
30°	12864.9	12949.6	13561.5	14856.0	16602.4	19101.9	21540.3	21963.9	20594.1	19323.2
32.5°	12276.5	12384.7	13029.6	14333.5	16056.4	18876.0	22086.3	23032.5	21455.5	19793.9
35°	11532.7	11631.6	12309.4	13618.0	15340.9	18513.5	22542.9	24218.7	22688.8	20509.4
37.5°	10628.9	10723.1	11396.2	12723.6	14630.1	18005.1	22891.2	25555.5	24157.5	21540.3
40°	9720.4	9809.9	10440.6	11725.7	13778.1	17355.5	23013.6	26864.1	25842.7	22957.2
42.5°	8887.2	8967.3	9546.3	10741.9	12822.5	16527.1	22853.6	28003.3	27353.7	23945.7
45°	8120.0	8190.6	8703.7	9819.3	11829.3	15519.7	22373.5	29227.2	29151.9	24651.8
47.5°	7244.4	7315.0	7846.9	8924.9	10836.0	14338.2	21559.1	30432.2	31651.4	26252.2
50°	6175.9	6237.1	6783.1	7894.0	9805.2	13081.4	20429.4	31378.4	34805.2	28676.4
52.5°	4909.6	4975.5	5507.5	6618.4	8581.3	11730.4	18941.9	31995.0	38448.6	32216.3
55°	3652.8	3699.9	4161.2	5159.1	7065.5	10191.1	17077.8	32169.2	42581.6	37055.3
57.5°	2650.2	2678.4	2975.0	3718.7	5356.8	8265.9	14813.6	31717.3	47500.6	43259.4
60°	2146.5	2155.9	2245.3	2574.9	3723.4	6091.2	12078.7	30163.9	52838.6	51257.0
62.5°	1948.8	1948.8	1972.3	2061.8	2518.4	4020.0	8769.6	26944.2	58562.6	61363.4
65°	1812.3	1812.3	1821.7	1864.1	1986.5	2560.7	5535.7	21700.3	63387.5	73202.1
67.5°	1689.9	1694.6	1689.9	1704.0	1774.6	1892.3	3210.3	14987.8	65985.9	85469.1
70°	1562.8	1572.2	1548.7	1548.7	1605.2	1609.9	2010.0	8218.8	63830.0	95749.7
72.5°	1412.2	1426.3	1388.6	1379.2	1421.6	1402.8	1511.0	3944.7	54801.5	98818.8
75°	1280.4	1299.2	1214.5	1190.9	1190.9	1176.8	1228.6	2024.1	35567.8	80611.3
77.5°	1162.7	1200.3	1063.8	988.5	969.7	927.3	1002.6	1238.0	15557.4	37846.1
80°	960.3	1012.1	875.5	786.1	753.2	706.1	790.8	866.1	4627.2	8788.4
82.5°	715.5	739.0	621.4	560.2	531.9	499.0	593.1	602.5	1506.3	3111.5
85°	456.6	466.0	381.3	329.5	315.4	301.3	376.6	329.5	574.3	2287.7
87.5°	160.0	183.6	145.9	131.8	141.2	117.7	174.2	98.9	160.0	1614.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

16550.6  
16560.0  
16668.3  
16781.3  
16823.6  
16861.3  
16955.4  
17162.6  
17477.9  
17816.9  
18231.1  
18725.4  
19092.5  
19502.0  
20184.6  
21107.2  
22495.8  
23352.6  
23851.5  
25329.6  
27518.5  
30790.0  
35271.3  
41014.1  
48428.0  
57574.1  
68410.1  
80295.9  
94389.3  
102396.3  
86222.3  
37060.0  
8416.5  
3516.3  
3323.3  
2000.6  
0.0

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