

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: P850281

Luminaire Tested: **GLAN-SB7D-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57242 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

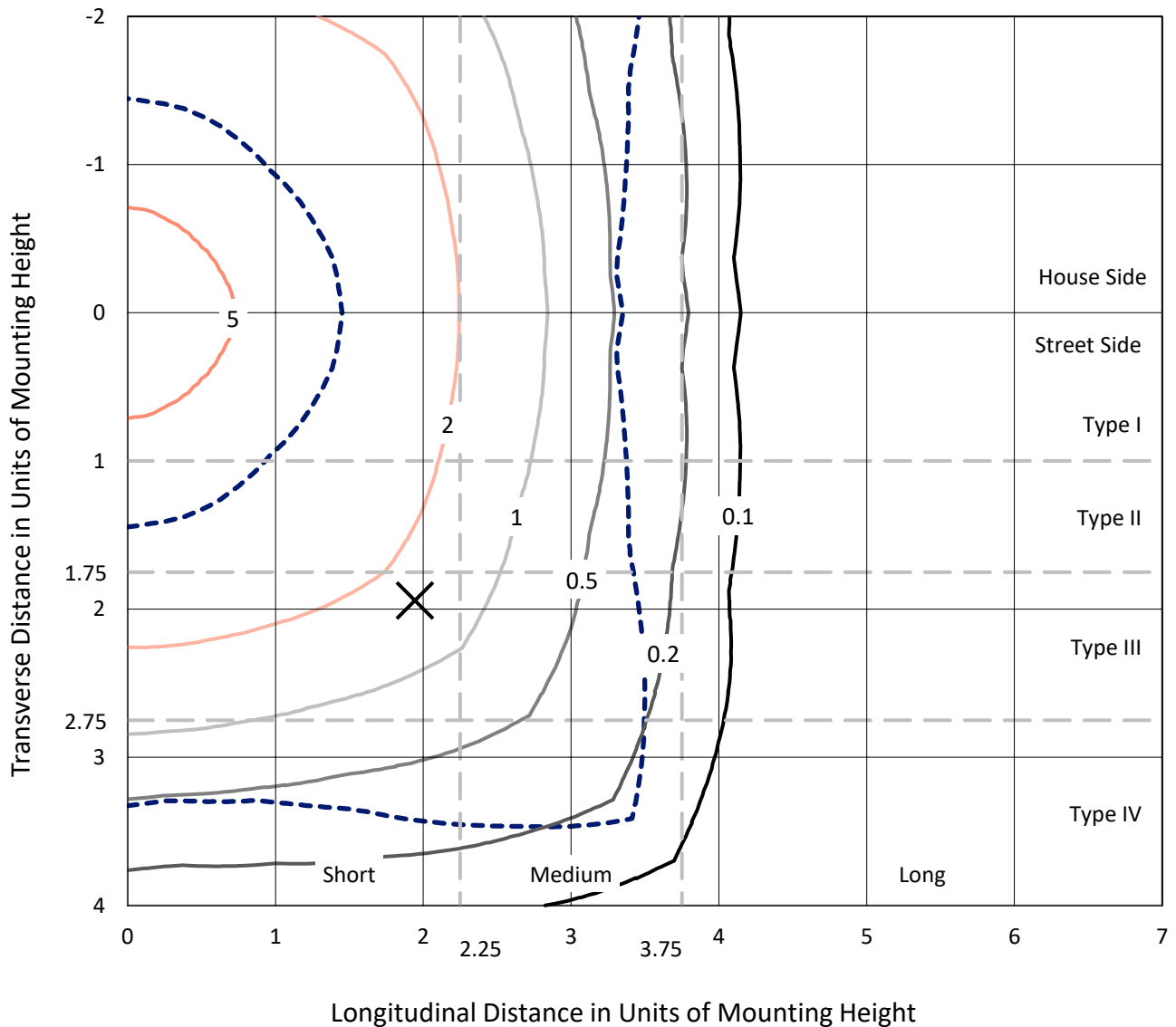
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

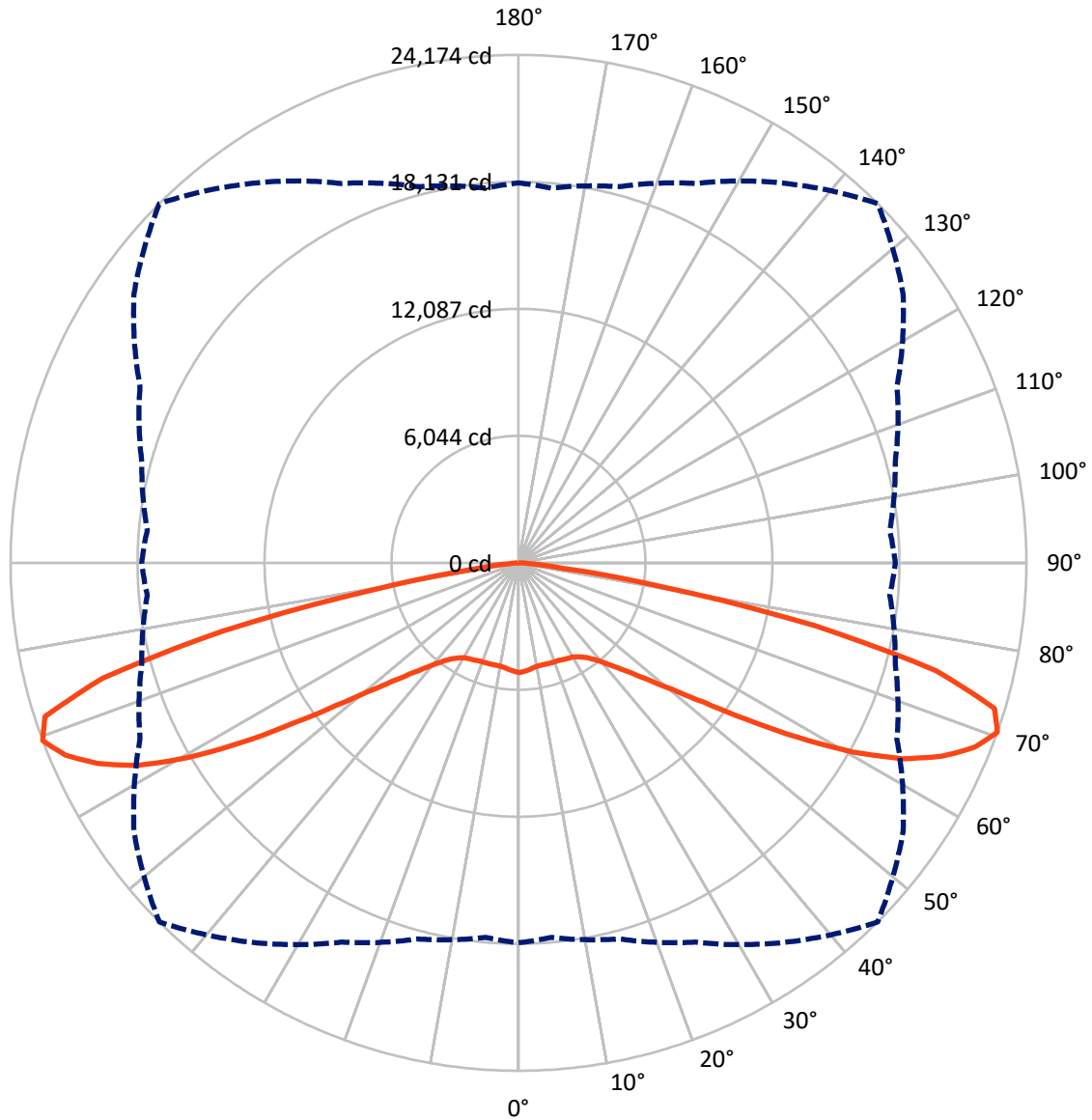
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28621.0	0.0	28621.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28621.0	0.0	28621.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	57242.0	0.0	57242.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.7	0.8
10°-20°	1426.2	2.5
20°-30°	2373.5	4.1
30°-40°	3589.4	6.3
40°-50°	5964.7	10.4
50°-60°	11255.2	19.7
60°-70°	19004.9	33.2
70°-80°	12488.2	21.8
80°-90°	654.2	1.1
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°	57242.0	100.0
0°-180°	57242.0	100.0

**Coefficient of Utilization**

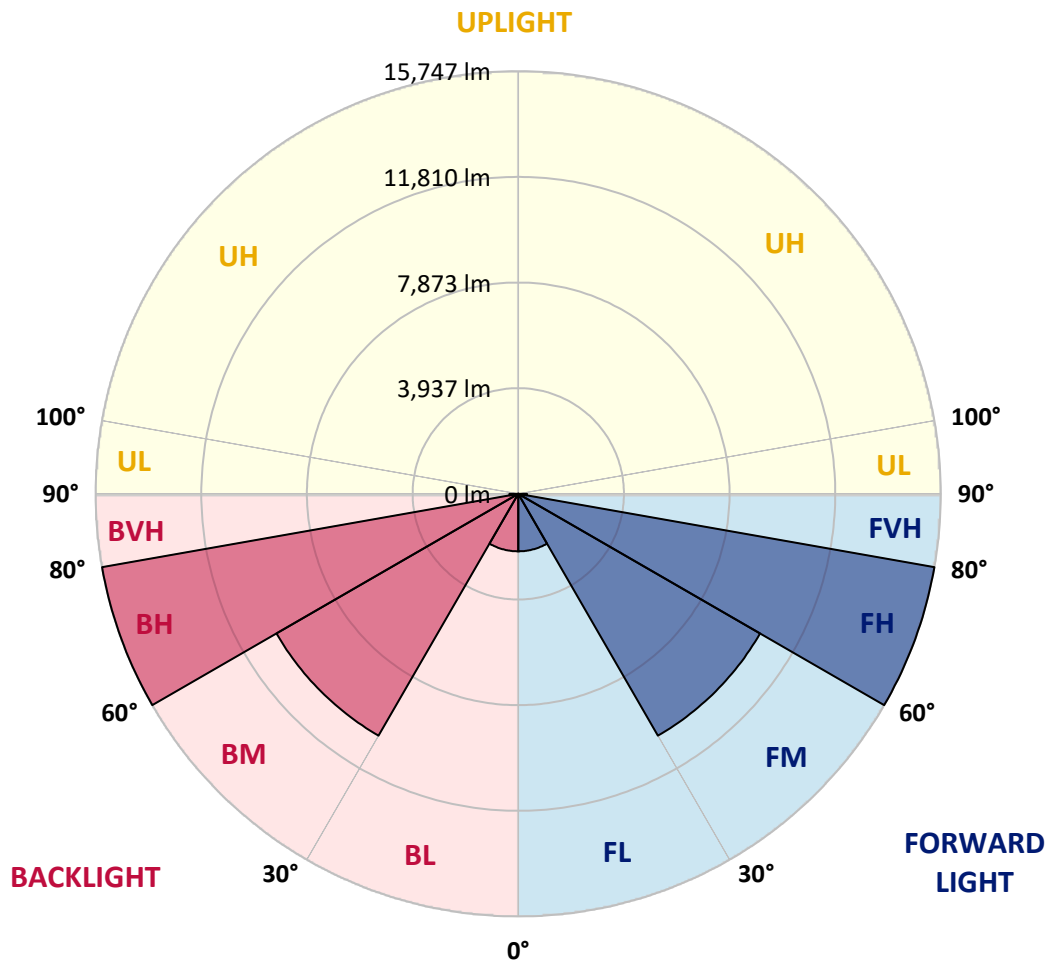


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2142.7	3.7			
FM (30°-60°)	10404.6	18.2			
FH (60°-80°)	15746.5	27.5			G5
FVH (80°-90°)	327.1	0.6			G3/500
BL (0°-30°)	2142.7	3.7	B3/2500		
BM (30°-60°)	10404.6	18.2	B5		
BH (60°-80°)	15746.5	27.5	B5		G5
BVH (80°-90°)	327.1	0.6			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5221.6	5221.6	5221.6	5221.6	5221.6	5221.6	5221.6	5221.6	5221.6	5221.6
2.5°	5188.9	5203.8	5197.8	5185.9	5185.9	5177.0	5185.9	5191.9	5200.8	5206.7
5°	5120.5	5132.4	5129.4	5120.5	5123.4	5114.5	5120.5	5129.4	5135.3	5138.3
7.5°	5061.0	5072.9	5066.9	5052.0	5052.0	5043.1	5046.1	5055.0	5063.9	5066.9
10°	5046.1	5058.0	5040.1	5016.3	5007.4	4995.5	4998.5	5007.4	5025.3	5034.2
12.5°	5052.0	5061.0	5043.1	5007.4	4998.5	4986.6	4986.6	4995.5	5019.3	5031.2
15°	5069.9	5078.8	5052.0	5013.4	5004.4	4995.5	4992.5	5004.4	5031.2	5052.0
17.5°	5102.6	5111.5	5069.9	5016.3	5004.4	5007.4	5004.4	5013.4	5055.0	5093.7
20°	5132.4	5138.3	5081.8	5016.3	5004.4	5007.4	5004.4	5022.3	5075.8	5129.4
22.5°	5141.3	5147.2	5093.7	5037.2	5028.2	5031.2	5028.2	5046.1	5096.7	5150.2
25°	5144.3	5153.2	5111.5	5066.9	5081.8	5087.7	5081.8	5084.8	5123.4	5171.0
27.5°	5188.9	5200.8	5162.1	5123.4	5132.4	5129.4	5138.3	5147.2	5177.0	5224.6
30°	5281.1	5290.1	5257.3	5218.6	5212.7	5191.9	5218.6	5248.4	5281.1	5322.8
32.5°	5432.9	5450.7	5409.1	5367.4	5340.6	5328.7	5349.6	5400.1	5444.8	5489.4
35°	5685.8	5697.7	5659.0	5581.6	5534.0	5534.0	5551.9	5617.3	5688.7	5745.3
37.5°	6042.8	6057.7	5989.2	5897.0	5825.6	5825.6	5849.4	5917.8	6024.9	6105.3
40°	6477.2	6498.0	6411.7	6316.5	6248.1	6236.2	6265.9	6343.3	6444.5	6545.6
42.5°	7000.8	7024.6	6911.6	6828.3	6774.7	6774.7	6789.6	6861.0	6953.2	7078.2
45°	7670.3	7711.9	7557.2	7473.9	7423.3	7435.2	7444.2	7506.6	7589.9	7732.8
47.5°	8467.7	8509.3	8345.7	8259.4	8250.5	8307.0	8271.3	8315.9	8360.5	8524.2
50°	9372.1	9443.6	9330.5	9324.5	9342.4	9446.5	9363.2	9387.0	9336.4	9440.6
52.5°	10478.9	10583.1	10562.3	10598.0	10797.3	11011.5	10821.1	10737.8	10547.4	10580.1
55°	11820.8	11978.5	12008.2	12222.5	12674.7	13112.1	12707.4	12371.2	11966.6	11892.2
57.5°	13347.1	13472.1	13614.9	14052.3	14897.2	15673.8	14897.2	14153.4	13516.7	13365.0
60°	14989.5	15144.2	15281.1	15926.7	17182.3	18274.2	17158.5	15977.3	15135.3	14930.0
62.5°	16753.8	16953.2	17048.4	17765.4	19229.3	20532.4	19250.1	17819.0	16884.7	16664.6
65°	18446.8	18610.4	18717.5	19482.2	20880.5	22186.7	20975.8	19565.5	18604.4	18315.8
67.5°	19235.2	19324.5	19586.3	20452.1	21927.8	23418.5	22177.8	20544.3	19470.3	18964.5
70°	18080.8	17899.3	18530.1	19916.5	22052.8	24174.2	22338.4	19874.9	18559.8	17738.6
72.5°	13971.9	13659.5	14754.4	17125.7	20624.7	23692.2	20767.5	17259.6	15435.8	13769.6
75°	7601.8	7247.8	8759.2	11758.3	16447.4	20535.4	16825.2	12094.5	9753.0	7545.3
77.5°	2145.2	2011.3	3231.2	5688.7	9892.8	14418.2	10273.7	5813.7	3832.2	2273.1
80°	657.5	636.7	862.8	1713.8	4201.1	6905.6	4037.5	1734.6	1097.9	693.2
82.5°	389.8	357.0	428.4	624.8	1071.1	2169.0	1041.3	651.6	523.6	351.1
85°	223.1	208.3	252.9	303.5	360.0	461.2	300.5	309.4	279.7	187.4
87.5°	92.2	83.3	98.2	95.2	83.3	107.1	80.3	95.2	113.1	74.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5221.6
5203.8
5138.3
5066.9
5034.2
5034.2
5055.0
5093.7
5132.4
5150.2
5168.1
5212.7
5313.9
5471.5
5724.4
6075.5
6512.9
7069.3
7726.8
8476.6
9378.1
10470.0
11776.2
13257.9
14751.5
16486.0
18173.0
18970.4
17935.0
14183.2
8036.2
2526.0
731.9
380.8
196.4
68.4
0.0

OF REPORT)