

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: P851671

Luminaire Tested: **GLAN-SB9D-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851671  
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-SB9D-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 92001 lumens  
Efficiency: N/A  
Efficacy: 139.8 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

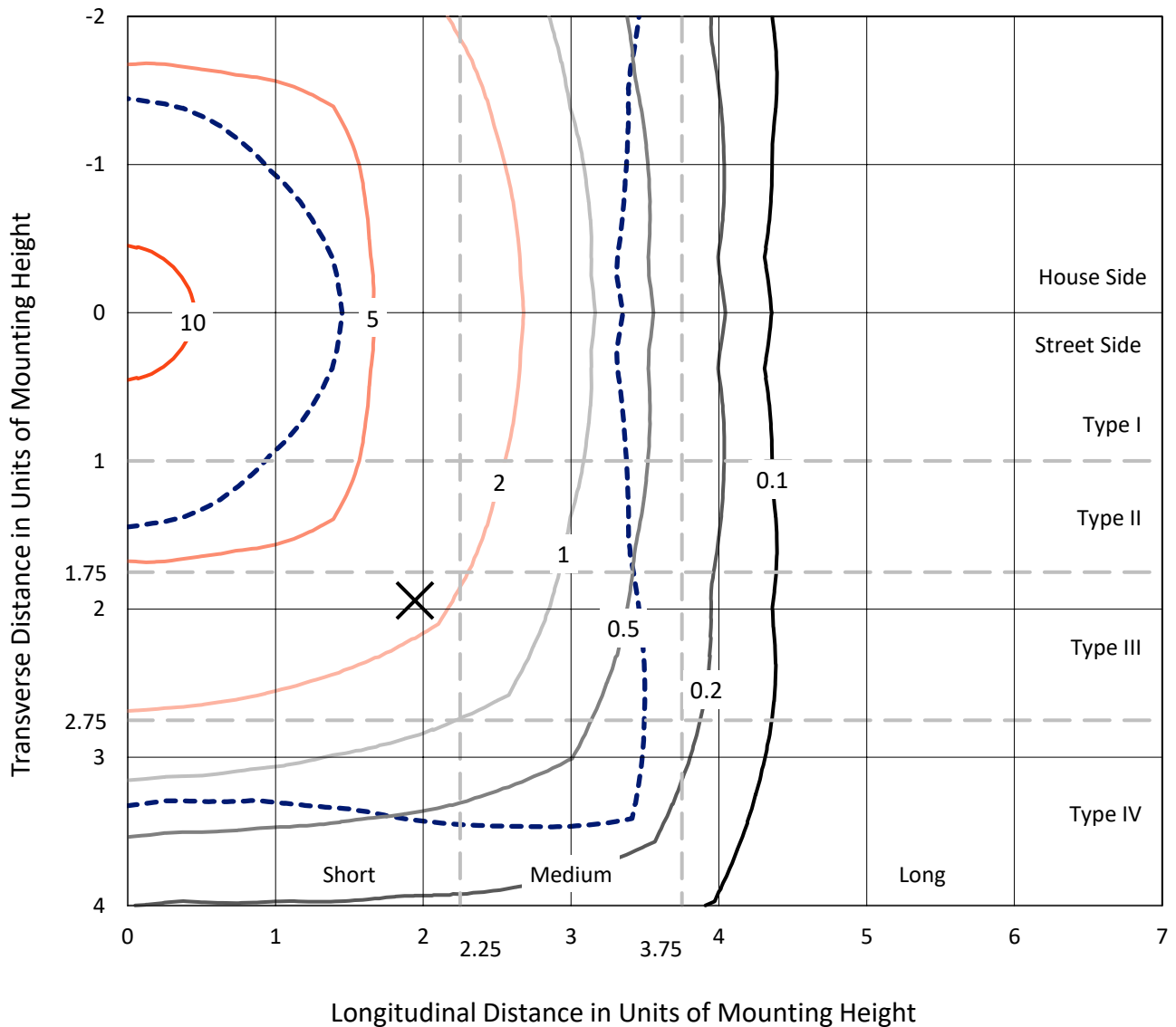
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

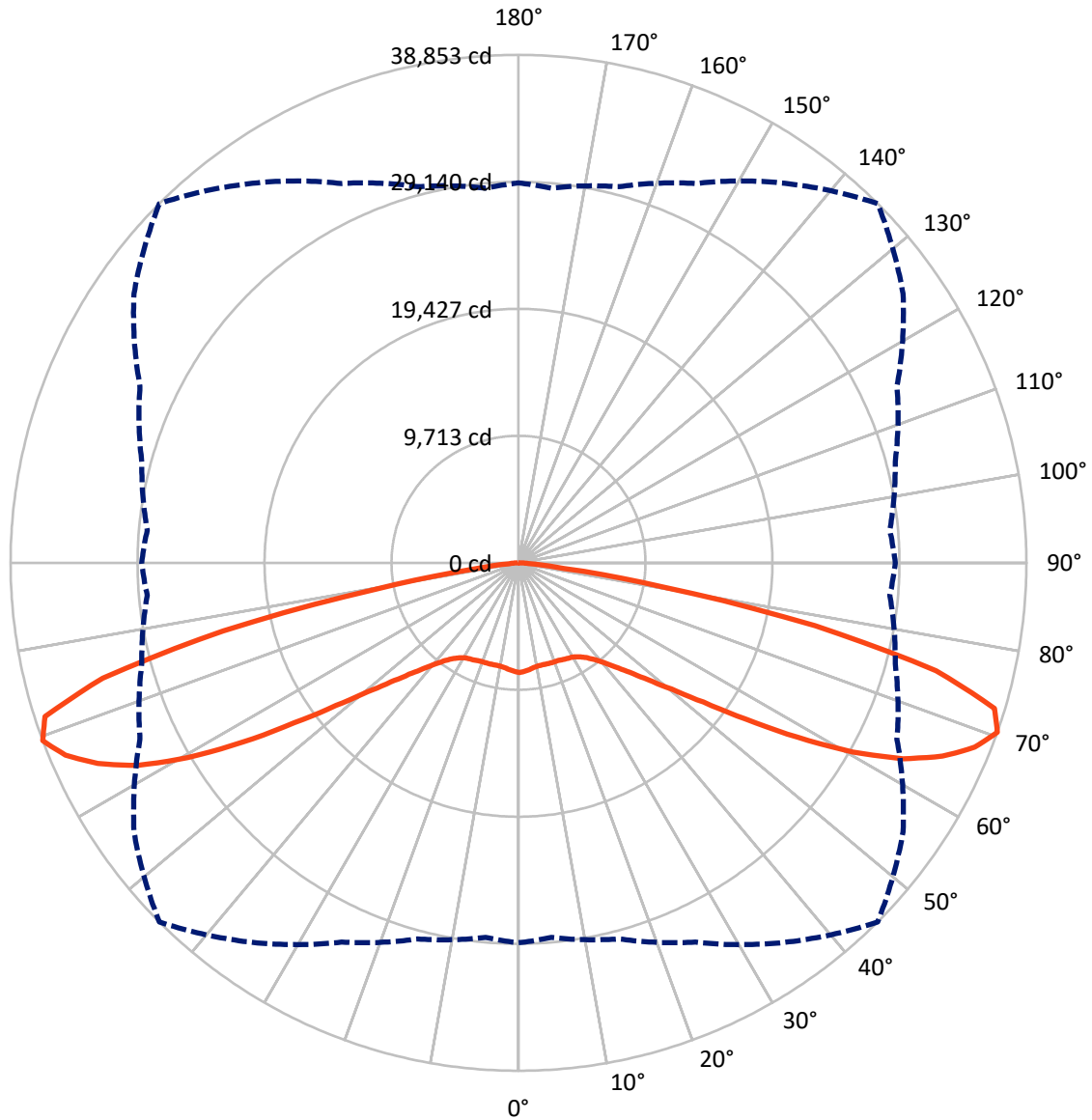
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	46000.5	0.0	46000.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	46000.5	0.0	46000.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	92001.0	0.0	92001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.7	0.8
10°-20°	2292.3	2.5
20°-30°	3814.7	4.1
30°-40°	5769.0	6.3
40°-50°	9586.6	10.4
50°-60°	18089.7	19.7
60°-70°	30545.2	33.2
70°-80°	20071.3	21.8
80°-90°	1051.5	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°	92001.0	100.0
0°-180°	92001.0	100.0

**Coefficient of Utilization**

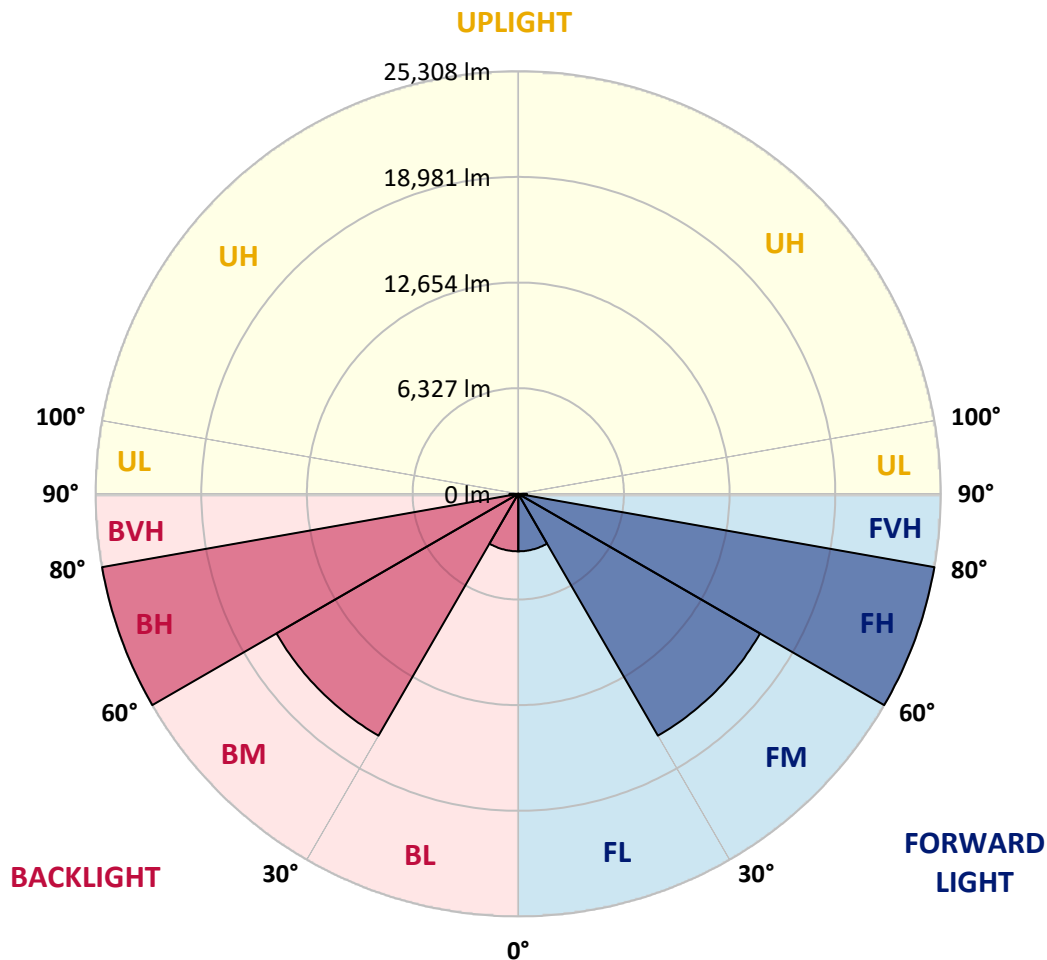


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3443.8	3.7			
FM (30°-60°)	16722.7	18.2			
FH (60°-80°)	25308.2	27.5			G5
FVH (80°-90°)	525.8	0.6			G4/750
BL (0°-30°)	3443.8	3.7	B4/5000		
BM (30°-60°)	16722.7	18.2	B5		
BH (60°-80°)	25308.2	27.5	B5		G5
BVH (80°-90°)	525.8	0.6			G4/750
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°	8392.3	8392.3	8392.3	8392.3	8392.3	8392.3	8392.3	8392.3	8392.3	8392.3
2.5°	8339.7	8363.7	8354.1	8335.0	8335.0	8320.6	8335.0	8344.5	8358.9	8368.4
5°	8229.8	8248.9	8244.1	8229.8	8234.5	8220.2	8229.8	8244.1	8253.7	8258.4
7.5°	8134.1	8153.2	8143.7	8119.8	8119.8	8105.4	8110.2	8124.6	8138.9	8143.7
10°	8110.2	8129.3	8100.6	8062.4	8048.0	8028.9	8033.7	8048.0	8076.7	8091.1
12.5°	8119.8	8134.1	8105.4	8048.0	8033.7	8014.6	8014.6	8028.9	8067.2	8086.3
15°	8148.5	8162.8	8119.8	8057.6	8043.3	8028.9	8024.1	8043.3	8086.3	8119.8
17.5°	8201.1	8215.4	8148.5	8062.4	8043.3	8048.0	8043.3	8057.6	8124.6	8186.7
20°	8248.9	8258.4	8167.6	8062.4	8043.3	8048.0	8043.3	8072.0	8158.0	8244.1
22.5°	8263.2	8272.8	8186.7	8095.9	8081.5	8086.3	8081.5	8110.2	8191.5	8277.6
25°	8268.0	8282.4	8215.4	8143.7	8167.6	8177.2	8167.6	8172.4	8234.5	8311.1
27.5°	8339.7	8358.9	8296.7	8234.5	8248.9	8244.1	8258.4	8272.8	8320.6	8397.1
30°	8488.0	8502.3	8449.7	8387.6	8378.0	8344.5	8387.6	8435.4	8488.0	8554.9
32.5°	8731.9	8760.6	8693.6	8626.7	8583.6	8564.5	8598.0	8679.3	8751.0	8822.7
35°	9138.3	9157.5	9095.3	8971.0	8894.4	8894.4	8923.1	9028.3	9143.1	9234.0
37.5°	9712.2	9736.1	9626.1	9477.8	9363.1	9363.1	9401.3	9511.3	9683.5	9812.6
40°	10410.3	10443.8	10305.1	10152.1	10042.1	10023.0	10070.8	10195.1	10357.7	10520.3
42.5°	11252.0	11290.2	11108.5	10974.6	10888.5	10888.5	10912.4	11027.2	11175.4	11376.3
45°	12327.9	12394.8	12146.2	12012.3	11931.0	11950.1	11964.5	12064.9	12198.8	12428.3
47.5°	13609.5	13676.4	13413.4	13274.7	13260.4	13351.2	13293.9	13365.6	13437.3	13700.3
50°	15063.2	15177.9	14996.2	14986.7	15015.4	15182.7	15048.8	15087.1	15005.8	15173.2
52.5°	16842.1	17009.4	16976.0	17033.3	17353.7	17698.0	17392.0	17258.1	16952.1	17004.7
55°	18998.7	19252.2	19300.0	19644.3	20371.2	21074.1	20423.8	19883.4	19233.1	19113.5
57.5°	21451.9	21652.7	21882.3	22585.2	23943.3	25191.4	23943.3	22747.8	21724.5	21480.6
60°	24091.5	24340.2	24560.2	25597.8	27615.8	29370.8	27577.6	25679.1	24325.8	23995.9
62.5°	26927.2	27247.6	27400.6	28553.1	30905.8	33000.3	30939.3	28639.2	27137.6	26783.8
65°	29648.2	29911.2	30083.3	31312.3	33559.8	35659.1	33712.8	31446.2	29901.6	29437.8
67.5°	30915.4	31058.8	31479.7	32871.2	35243.1	37638.8	35644.7	33019.4	31293.2	30480.2
70°	29060.0	28768.3	29782.1	32010.5	35443.9	38853.4	35903.0	31943.5	29829.9	28510.1
72.5°	22456.1	21954.0	23713.8	27525.0	33148.6	38078.8	33378.1	27740.2	24808.8	22130.9
75°	12217.9	11648.9	14078.1	18898.3	26434.7	33005.1	27042.0	19438.7	15675.3	12127.1
77.5°	3447.8	3232.6	5193.2	9143.1	15900.0	23173.4	16512.1	9344.0	6159.2	3653.4
80°	1056.8	1023.3	1386.8	2754.4	6752.1	11098.9	6489.1	2787.9	1764.5	1114.2
82.5°	626.4	573.8	688.6	1004.2	1721.5	3486.1	1673.7	1047.2	841.6	564.3
85°	358.6	334.7	406.5	487.8	578.6	741.2	483.0	497.3	449.5	301.3
87.5°	148.2	133.9	157.8	153.0	133.9	172.2	129.1	153.0	181.7	119.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8392.3
8363.7
8258.4
8143.7
8091.1
8091.1
8124.6
8186.7
8248.9
8277.6
8306.3
8378.0
8540.6
8794.0
9200.5
9764.8
10467.7
11361.9
12418.8
13623.8
15072.7
16827.7
18927.0
21308.4
23709.0
26496.9
29208.2
30489.8
28825.7
22795.6
12916.1
4059.9
1176.4
612.1
315.6
110.0
0.0

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