

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: P851731

Luminaire Tested: **GLAN-SB9D-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851731  
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-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 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: 77626 lumens  
Efficiency: N/A  
Efficacy: 118.0 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

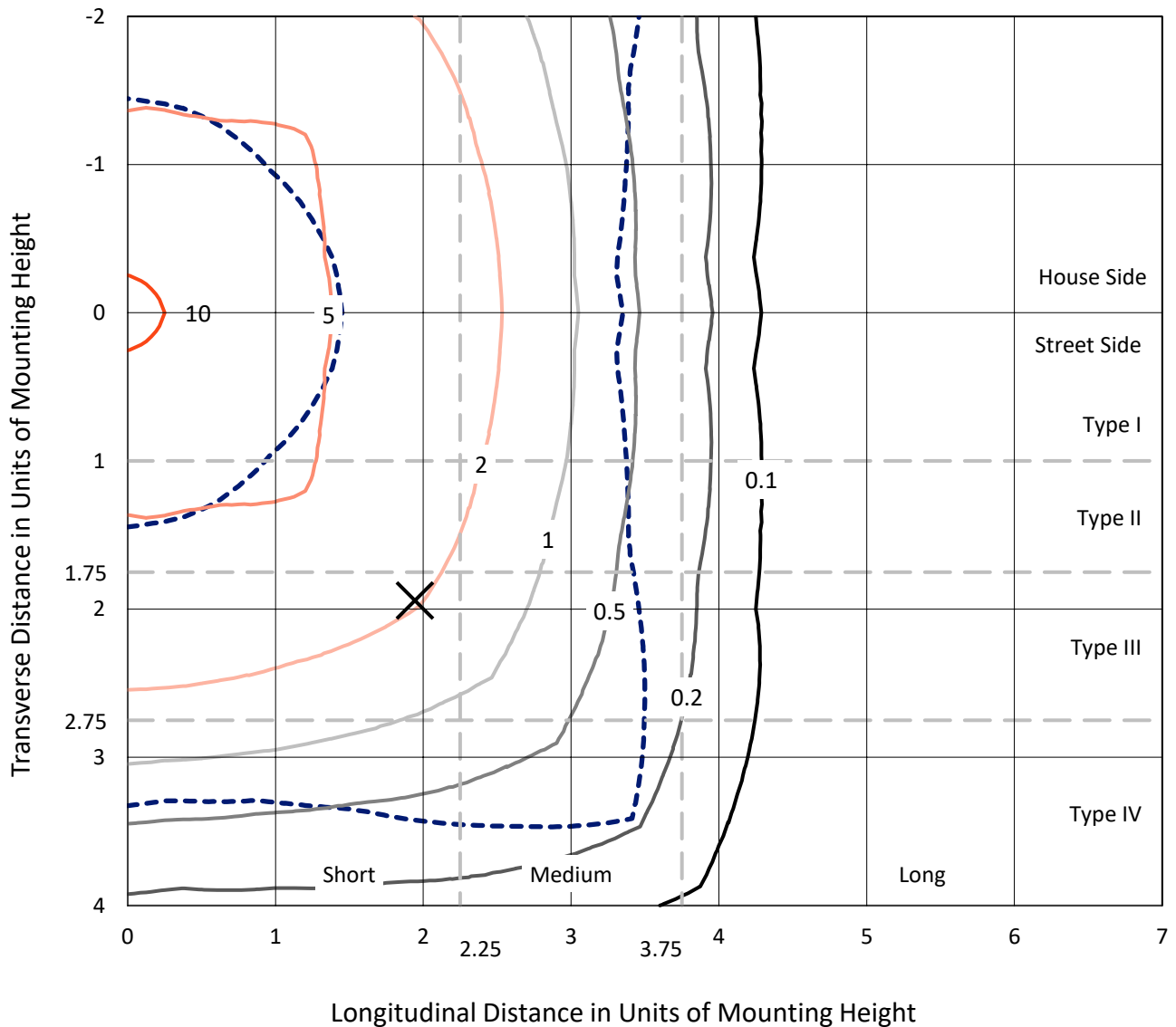
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

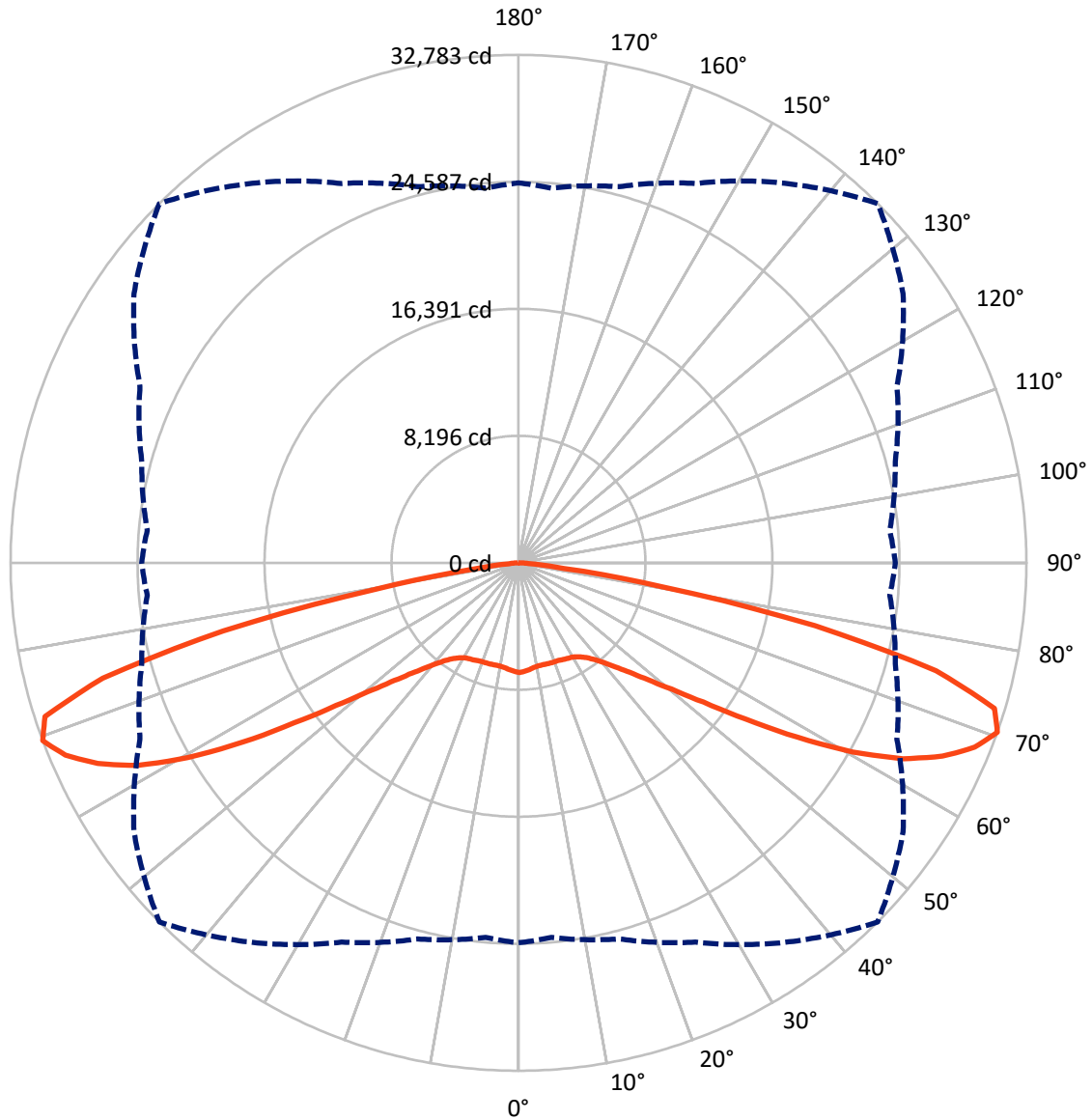
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	38813.0	0.0	38813.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	38813.0	0.0	38813.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	77626.0	0.0	77626.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.7	0.8
10°-20°	1934.1	2.5
20°-30°	3218.7	4.1
30°-40°	4867.6	6.3
40°-50°	8088.8	10.4
50°-60°	15263.2	19.7
60°-70°	25772.5	33.2
70°-80°	16935.2	21.8
80°-90°	887.2	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°	77626.0	100.0
0°-180°	77626.0	100.0

**Coefficient of Utilization**



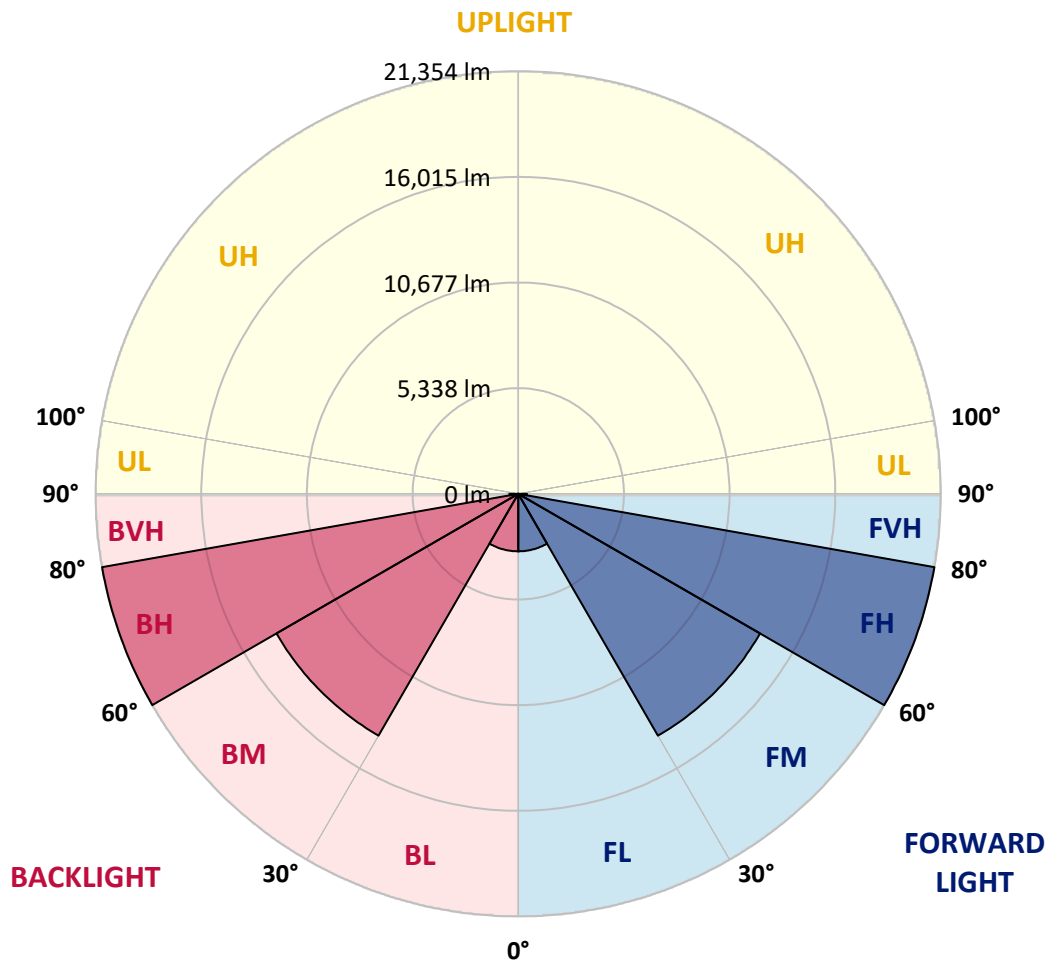
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2905.7	3.7			
FM (30°-60°)	14109.8	18.2			
FH (60°-80°)	21353.9	27.5			G5
FVH (80°-90°)	443.6	0.6			G3/500
BL (0°-30°)	2905.7	3.7	B4/5000		
BM (30°-60°)	14109.8	18.2	B5		
BH (60°-80°)	21353.9	27.5	B5		G5
BVH (80°-90°)	443.6	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°	7081.1	7081.1	7081.1	7081.1	7081.1	7081.1	7081.1	7081.1	7081.1	7081.1
2.5°	7036.7	7056.8	7048.8	7032.6	7032.6	7020.5	7032.6	7040.7	7052.8	7060.9
5°	6943.9	6960.0	6956.0	6943.9	6947.9	6935.8	6943.9	6956.0	6964.0	6968.1
7.5°	6863.2	6879.3	6871.2	6851.1	6851.1	6839.0	6843.0	6855.1	6867.2	6871.2
10°	6843.0	6859.1	6834.9	6802.7	6790.5	6774.4	6778.4	6790.5	6814.8	6826.9
12.5°	6851.1	6863.2	6839.0	6790.5	6778.4	6762.3	6762.3	6774.4	6806.7	6822.8
15°	6875.3	6887.4	6851.1	6798.6	6786.5	6774.4	6770.4	6786.5	6822.8	6851.1
17.5°	6919.7	6931.8	6875.3	6802.7	6786.5	6790.5	6786.5	6798.6	6855.1	6907.6
20°	6960.0	6968.1	6891.4	6802.7	6786.5	6790.5	6786.5	6810.7	6883.3	6956.0
22.5°	6972.1	6980.2	6907.6	6830.9	6818.8	6822.8	6818.8	6843.0	6911.6	6984.2
25°	6976.1	6988.3	6931.8	6871.2	6891.4	6899.5	6891.4	6895.5	6947.9	7012.5
27.5°	7036.7	7052.8	7000.4	6947.9	6960.0	6956.0	6968.1	6980.2	7020.5	7085.1
30°	7161.7	7173.9	7129.5	7077.0	7068.9	7040.7	7077.0	7117.4	7161.7	7218.2
32.5°	7367.5	7391.7	7335.2	7278.8	7242.4	7226.3	7254.6	7323.1	7383.7	7444.2
35°	7710.5	7726.6	7674.2	7569.3	7504.7	7504.7	7528.9	7617.7	7714.5	7791.2
37.5°	8194.7	8214.8	8122.0	7997.0	7900.1	7900.1	7932.4	8025.2	8170.4	8279.4
40°	8783.7	8812.0	8695.0	8565.9	8473.1	8456.9	8497.3	8602.2	8739.4	8876.5
42.5°	9493.9	9526.1	9372.8	9259.8	9187.2	9187.2	9207.4	9304.2	9429.3	9598.8
45°	10401.7	10458.2	10248.4	10135.4	10066.8	10082.9	10095.0	10179.8	10292.7	10486.4
47.5°	11483.0	11539.5	11317.6	11200.6	11188.5	11265.1	11216.7	11277.2	11337.8	11559.7
50°	12709.6	12806.4	12653.1	12645.0	12669.2	12810.5	12697.5	12729.8	12661.2	12802.4
52.5°	14210.5	14351.7	14323.5	14371.9	14642.2	14932.8	14674.5	14561.6	14303.3	14347.7
55°	16030.2	16244.1	16284.4	16574.9	17188.2	17781.3	17232.6	16776.7	16227.9	16127.1
57.5°	18100.1	18269.5	18463.2	19056.3	20202.2	21255.3	20202.2	19193.5	18330.0	18124.3
60°	20327.3	20537.1	20722.7	21598.2	23300.9	24781.7	23268.6	21666.8	20525.0	20246.6
62.5°	22719.9	22990.2	23119.3	24091.7	26076.8	27844.1	26105.1	24164.3	22897.4	22598.9
65°	25015.7	25237.6	25382.9	26419.8	28316.1	30087.4	28445.3	26532.8	25229.5	24838.2
67.5°	26084.9	26206.0	26561.0	27735.1	29736.4	31757.8	30075.3	27860.2	26403.7	25717.7
70°	24519.4	24273.3	25128.7	27008.9	29905.9	32782.7	30293.2	26952.4	25169.0	24055.4
72.5°	18947.4	18523.7	20008.5	23224.2	27969.2	32129.0	28162.8	23405.8	20932.5	18673.0
75°	10308.9	9828.7	11878.4	15945.5	22304.3	27848.1	22816.7	16401.4	13226.0	10232.2
77.5°	2909.1	2727.5	4381.8	7714.5	13415.7	19552.6	13932.1	7884.0	5196.8	3082.6
80°	891.7	863.4	1170.1	2324.0	5697.1	9364.7	5475.2	2352.3	1488.8	940.1
82.5°	528.6	484.2	581.0	847.3	1452.5	2941.4	1412.2	883.6	710.1	476.1
85°	302.6	282.4	343.0	411.5	488.2	625.4	407.5	419.6	379.3	254.2
87.5°	125.1	113.0	133.1	129.1	113.0	145.3	108.9	129.1	153.3	100.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7081.1
7056.8
6968.1
6871.2
6826.9
6826.9
6855.1
6907.6
6960.0
6984.2
7008.4
7068.9
7206.1
7420.0
7762.9
8239.0
8832.2
9586.7
10478.3
11495.1
12717.7
14198.4
15969.7
17979.0
20004.5
22356.8
24644.5
25725.8
24321.7
19233.8
10898.0
3425.5
992.6
516.5
266.3
92.8
0.0

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