

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: P851741

Luminaire Tested: **GLAN-SB9D-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851741  
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-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 83376 lumens  
Efficiency: N/A  
Efficacy: 126.7 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

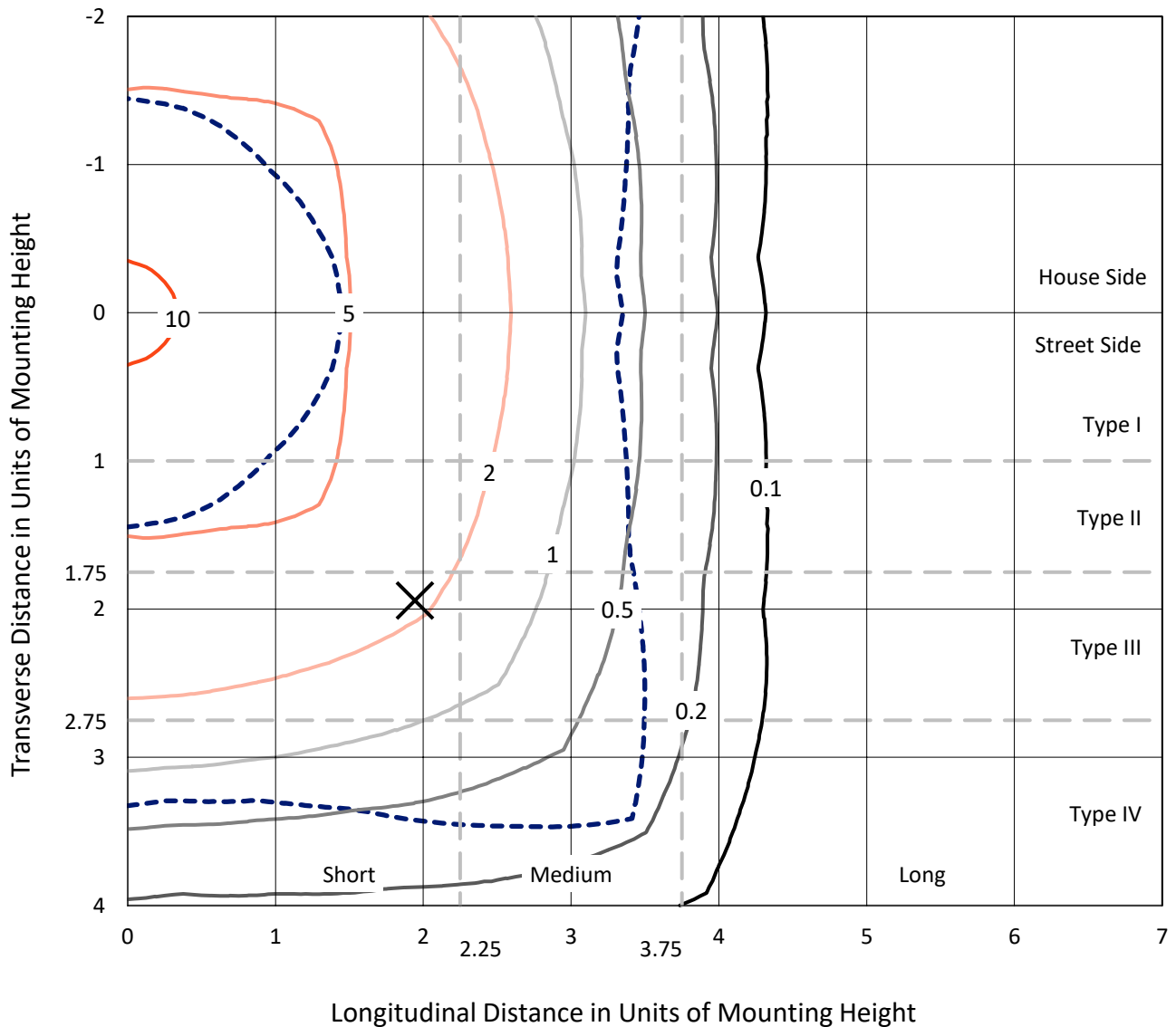
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851741  
 CATALOG NUMBER: GLAN-SB9D-840-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

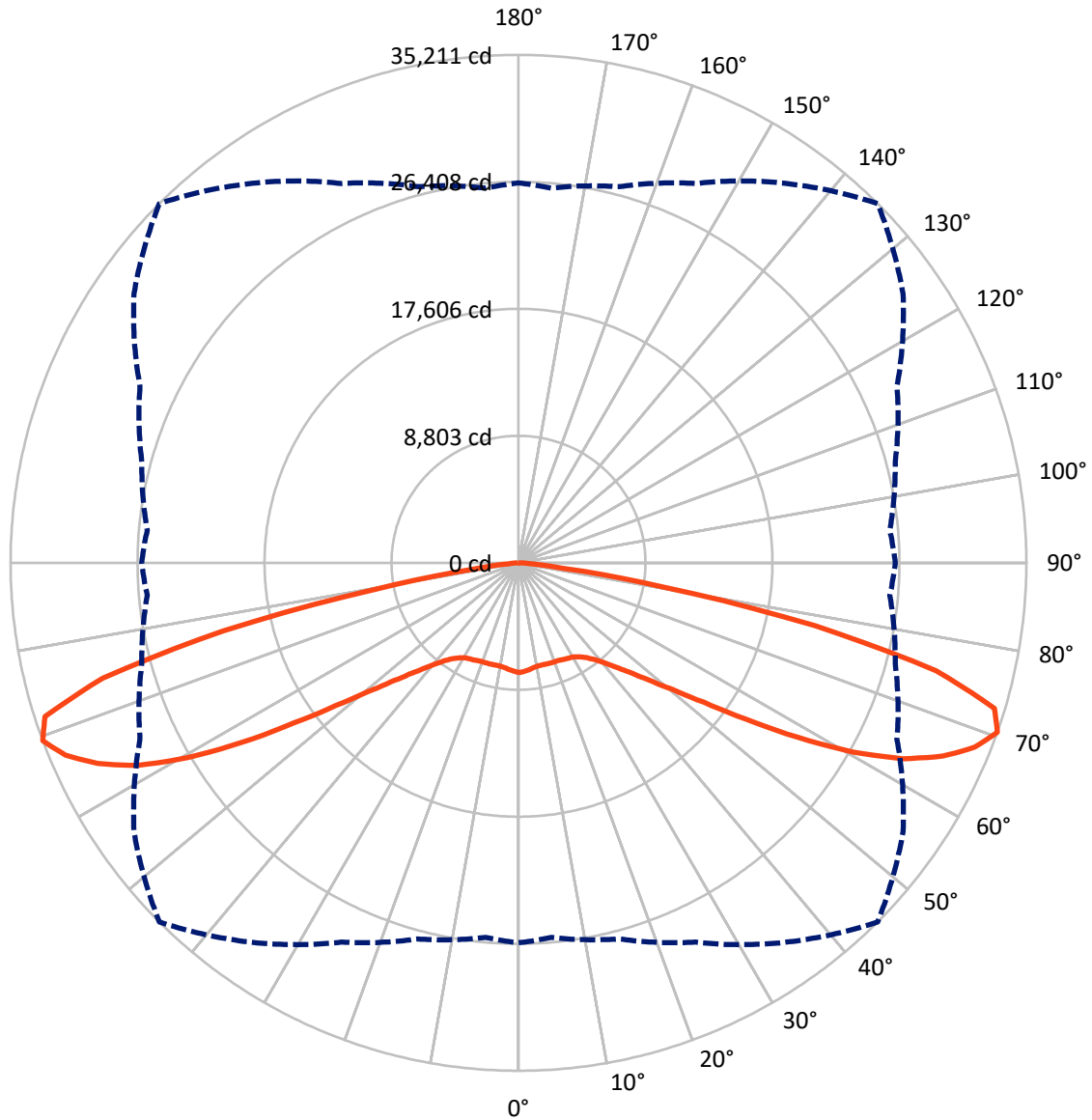
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P851741  
CATALOG NUMBER: GLAN-SB9D-840-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851741  
 CATALOG NUMBER: GLAN-SB9D-840-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	41688.0	0.0	41688.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	41688.0	0.0	41688.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	83376.0	0.0	83376.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	707.5	0.8
10°-20°	2077.4	2.5
20°-30°	3457.1	4.1
30°-40°	5228.1	6.3
40°-50°	8687.9	10.4
50°-60°	16393.8	19.7
60°-70°	27681.6	33.2
70°-80°	18189.7	21.8
80°-90°	953.0	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°	83376.0	100.0
0°-180°	83376.0	100.0

**Coefficient of Utilization**



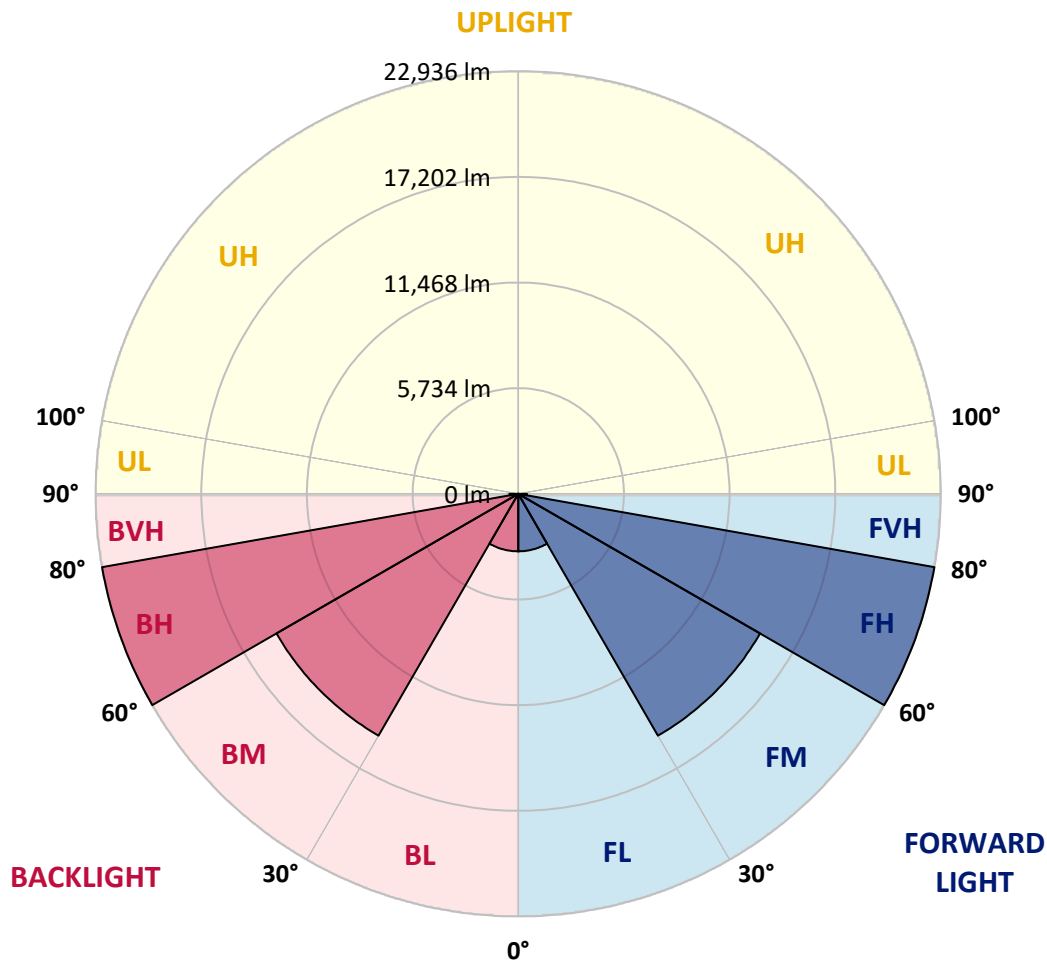
REPORT NUMBER: P851741  
 CATALOG NUMBER: GLAN-SB9D-840-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3121.0	3.7			
FM (30°-60°)	15154.9	18.2			
FH (60°-80°)	22935.6	27.5			G5
FVH (80°-90°)	476.5	0.6			G3/500
BL (0°-30°)	3121.0	3.7	B4/5000		
BM (30°-60°)	15154.9	18.2	B5		
BH (60°-80°)	22935.6	27.5	B5		G5
BVH (80°-90°)	476.5	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



REPORT NUMBER: P851741  
 CATALOG NUMBER: GLAN-SB9D-840-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7605.6	7605.6	7605.6	7605.6	7605.6	7605.6	7605.6	7605.6	7605.6	7605.6
2.5°	7557.9	7579.6	7570.9	7553.6	7553.6	7540.6	7553.6	7562.2	7575.2	7583.9
5°	7458.2	7475.6	7471.2	7458.2	7462.6	7449.6	7458.2	7471.2	7479.9	7484.2
7.5°	7371.6	7388.9	7380.2	7358.6	7358.6	7345.6	7349.9	7362.9	7375.9	7380.2
10°	7349.9	7367.2	7341.2	7306.5	7293.5	7276.2	7280.5	7293.5	7319.5	7332.5
12.5°	7358.6	7371.6	7345.6	7293.5	7280.5	7263.2	7263.2	7276.2	7310.9	7328.2
15°	7384.6	7397.6	7358.6	7302.2	7289.2	7276.2	7271.9	7289.2	7328.2	7358.6
17.5°	7432.2	7445.2	7384.6	7306.5	7289.2	7293.5	7289.2	7302.2	7362.9	7419.2
20°	7475.6	7484.2	7401.9	7306.5	7289.2	7293.5	7289.2	7315.2	7393.2	7471.2
22.5°	7488.6	7497.2	7419.2	7336.9	7323.9	7328.2	7323.9	7349.9	7423.6	7501.6
25°	7492.9	7505.9	7445.2	7380.2	7401.9	7410.6	7401.9	7406.2	7462.6	7531.9
27.5°	7557.9	7575.2	7518.9	7462.6	7475.6	7471.2	7484.2	7497.2	7540.6	7609.9
30°	7692.2	7705.2	7657.6	7601.2	7592.6	7562.2	7601.2	7644.6	7692.2	7752.9
32.5°	7913.3	7939.3	7878.6	7817.9	7778.9	7761.6	7791.9	7865.6	7930.6	7995.6
35°	8281.6	8299.0	8242.6	8129.9	8060.6	8060.6	8086.6	8181.9	8286.0	8368.3
37.5°	8801.7	8823.3	8723.7	8589.3	8485.3	8485.3	8520.0	8619.6	8775.7	8892.7
40°	9434.4	9464.7	9339.0	9200.4	9100.7	9083.3	9126.7	9239.4	9386.7	9534.0
42.5°	10197.1	10231.8	10067.1	9945.7	9867.7	9867.7	9889.4	9993.4	10127.8	10309.8
45°	11172.2	11232.8	11007.5	10886.1	10812.5	10829.8	10842.8	10933.8	11055.2	11263.2
47.5°	12333.6	12394.3	12155.9	12030.2	12017.2	12099.6	12047.6	12112.6	12177.6	12415.9
50°	13651.0	13755.0	13590.4	13581.7	13607.7	13759.4	13638.0	13672.7	13599.0	13750.7
52.5°	15263.1	15414.8	15384.5	15436.5	15726.8	16038.9	15761.5	15640.2	15362.8	15410.5
55°	17217.6	17447.3	17490.6	17802.7	18461.4	19098.4	18509.1	18019.4	17430.0	17321.6
57.5°	19440.8	19622.8	19830.8	20467.9	21698.6	22829.7	21698.6	20615.2	19687.8	19466.8
60°	21833.0	22058.3	22257.7	23198.1	25026.9	26617.3	24992.2	23271.7	22045.3	21746.3
62.5°	24402.8	24693.2	24831.9	25876.3	28008.4	29906.6	28038.8	25954.3	24593.5	24272.8
65°	26868.7	27107.0	27263.0	28376.8	30413.6	32316.1	30552.3	28498.1	27098.4	26678.0
67.5°	28017.1	28147.1	28528.5	29789.6	31939.1	34110.2	32303.1	29923.9	28359.5	27622.7
70°	26335.6	26071.3	26990.0	29009.5	32121.1	35211.0	32537.1	28948.8	27033.4	25837.3
72.5°	20350.9	19895.8	21490.6	24944.5	30040.9	34508.9	30248.9	25139.6	22483.0	20056.2
75°	11072.5	10556.8	12758.3	17126.6	23956.5	29910.9	24506.8	17616.3	14205.7	10990.2
77.5°	3124.6	2929.6	4706.4	8286.0	14409.4	21000.9	14964.1	8468.0	5581.8	3310.9
80°	957.7	927.4	1256.8	2496.2	6119.1	10058.4	5880.8	2526.5	1599.1	1009.7
82.5°	567.7	520.0	624.0	910.1	1560.1	3159.2	1516.8	949.1	762.7	511.4
85°	325.0	303.4	368.4	442.0	524.4	671.7	437.7	450.7	407.4	273.0
87.5°	134.3	121.3	143.0	138.7	121.3	156.0	117.0	138.7	164.7	108.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7605.6
7579.6
7484.2
7380.2
7332.5
7332.5
7362.9
7419.2
7475.6
7501.6
7527.6
7592.6
7739.9
7969.6
8338.0
8849.3
9486.4
10296.8
11254.5
12346.6
13659.7
15250.1
17152.6
19310.8
21486.3
24012.8
26470.0
27631.4
26123.3
20658.5
11705.2
3679.3
1066.1
554.7
286.0
99.7
0.0

OF REPORT)