

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: P847121

Luminaire Tested: **GLAN-SB3A-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847121  
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-SB3A-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10854 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

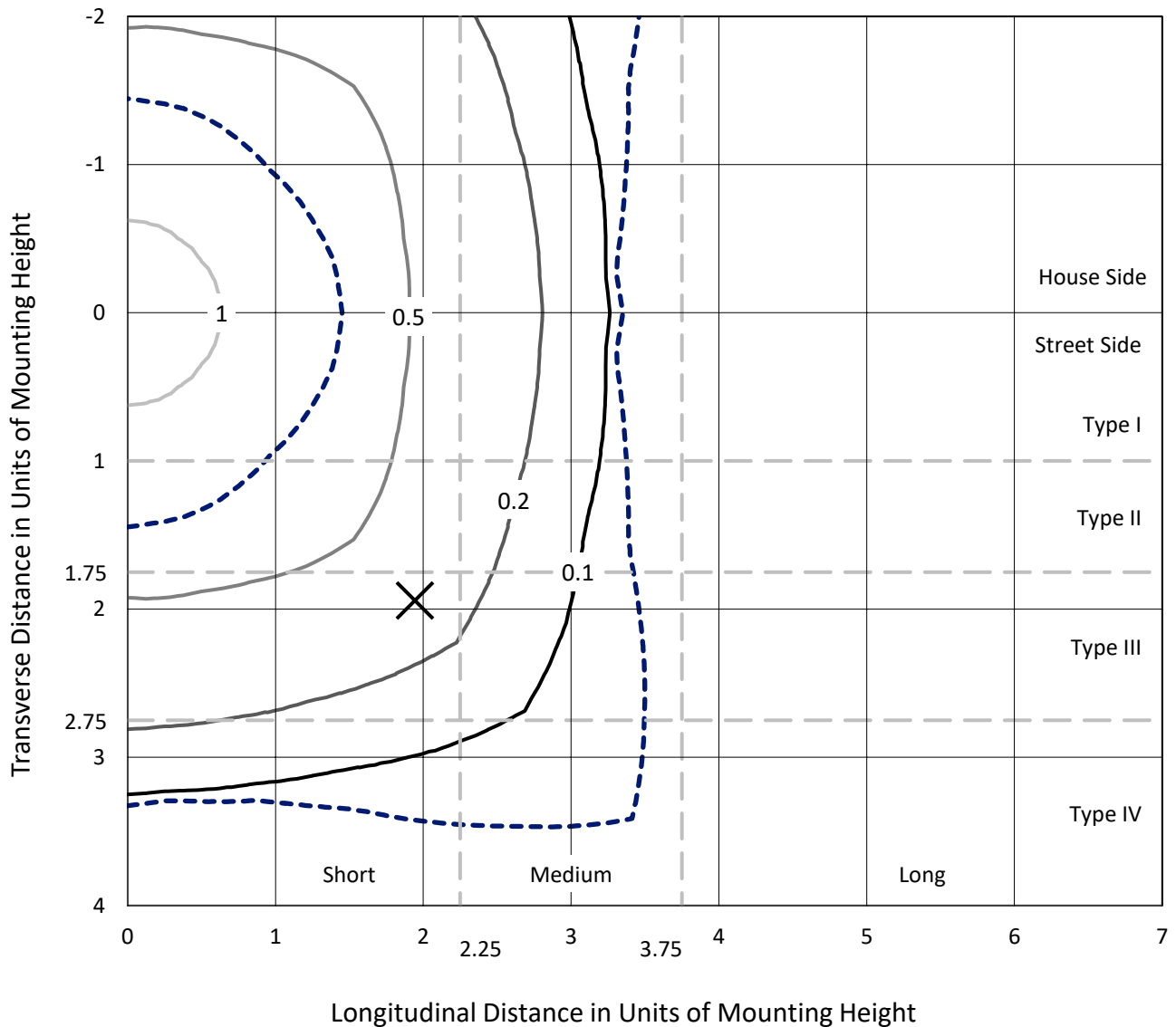
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

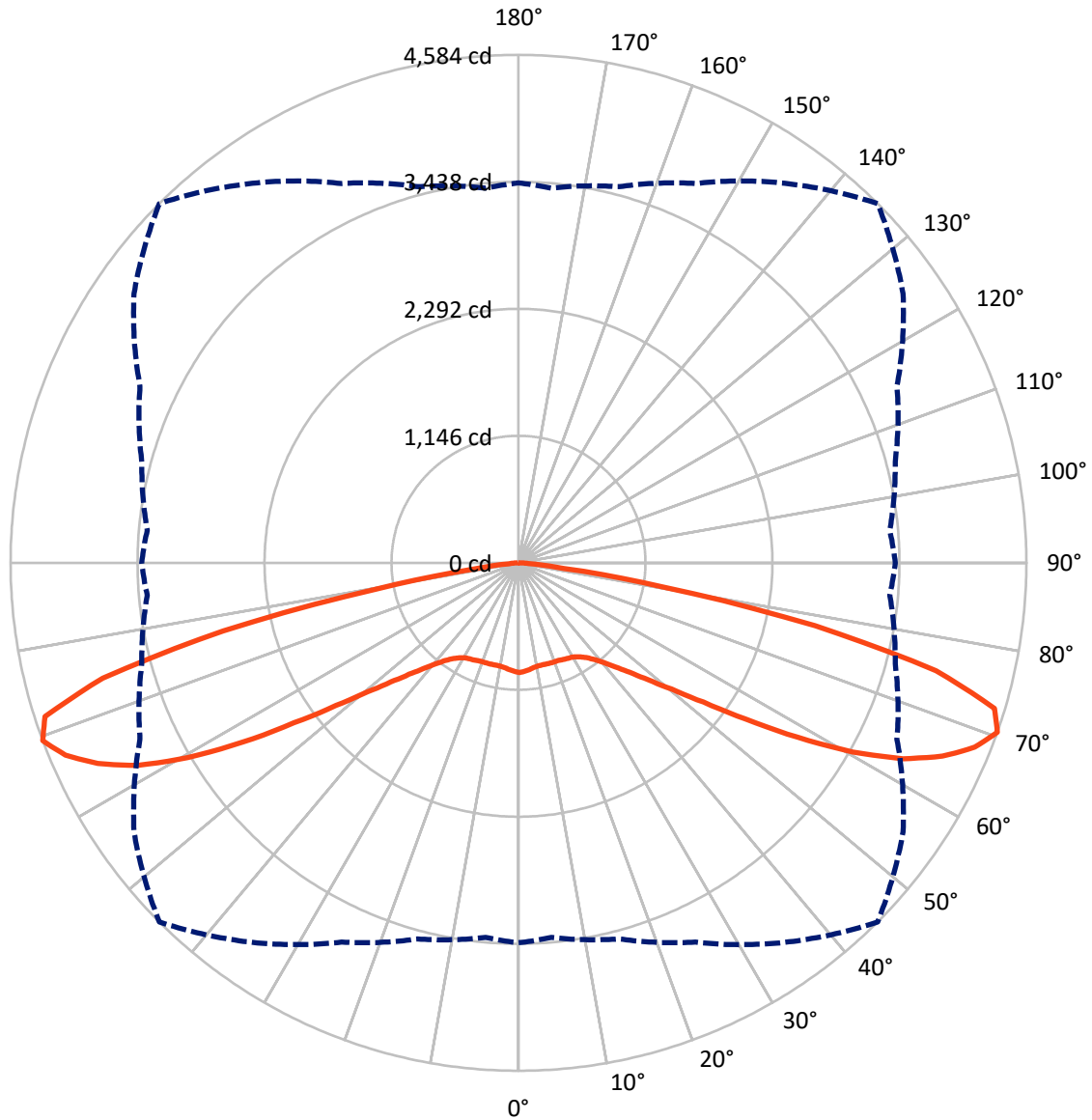
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	5427.0	0.0	5427.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5427.0	0.0	5427.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10854.0	0.0	10854.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.1	0.8
10°-20°	270.4	2.5
20°-30°	450.0	4.1
30°-40°	680.6	6.3
40°-50°	1131.0	10.4
50°-60°	2134.2	19.7
60°-70°	3603.6	33.2
70°-80°	2368.0	21.8
80°-90°	124.1	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°	10854.0	100.0
0°-180°	10854.0	100.0

**Coefficient of Utilization**

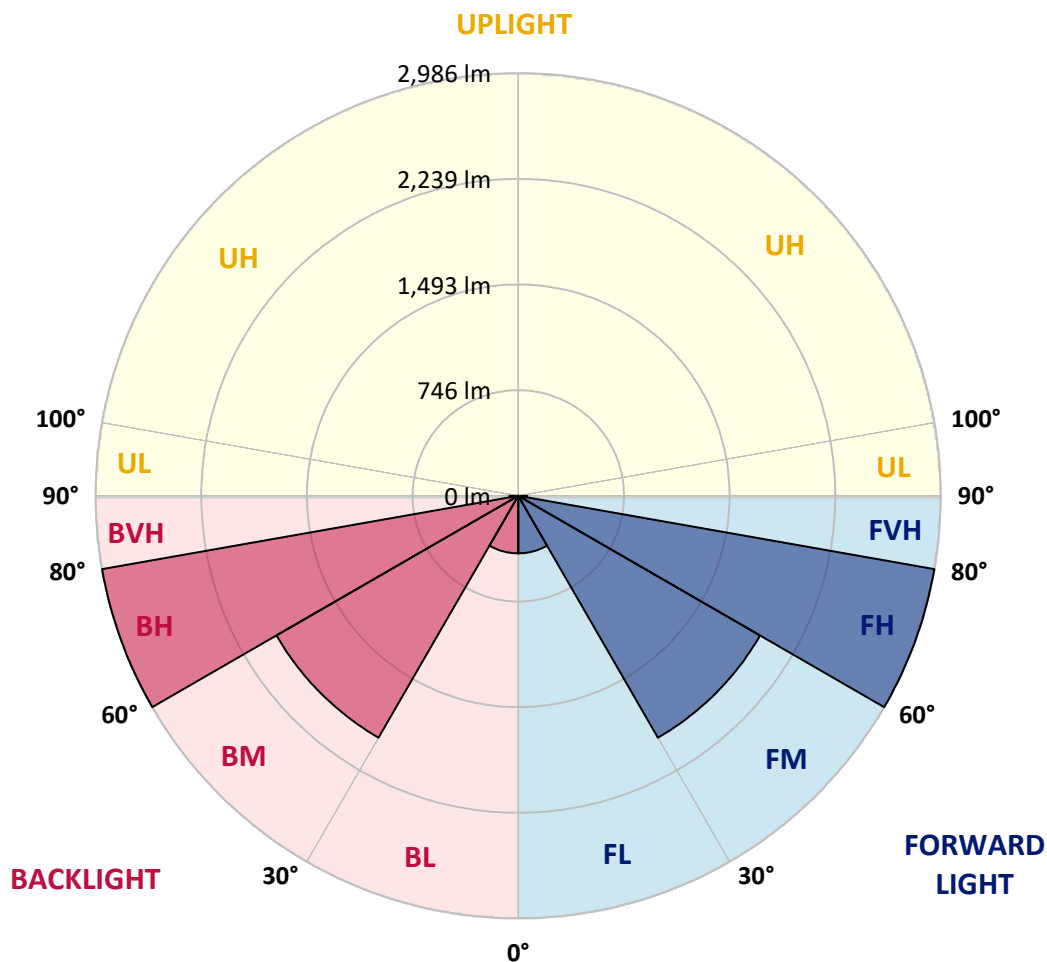


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.3	3.7			
FM (30°-60°)	1972.9	18.2			
FH (60°-80°)	2985.8	27.5			G2/5000
FVH (80°-90°)	62.0	0.6			G1/100
BL (0°-30°)	406.3	3.7	B1/500		
BM (30°-60°)	1972.9	18.2	B2/2500		
BH (60°-80°)	2985.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	62.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1
2.5°	983.9	986.7	985.6	983.3	983.3	981.6	983.3	984.5	986.2	987.3
5°	970.9	973.2	972.6	970.9	971.5	969.8	970.9	972.6	973.7	974.3
7.5°	959.6	961.9	960.8	957.9	957.9	956.3	956.8	958.5	960.2	960.8
10°	956.8	959.1	955.7	951.2	949.5	947.2	947.8	949.5	952.9	954.6
12.5°	957.9	959.6	956.3	949.5	947.8	945.5	945.5	947.2	951.7	954.0
15°	961.3	963.0	957.9	950.6	948.9	947.2	946.7	948.9	954.0	957.9
17.5°	967.5	969.2	961.3	951.2	948.9	949.5	948.9	950.6	958.5	965.8
20°	973.2	974.3	963.6	951.2	948.9	949.5	948.9	952.3	962.5	972.6
22.5°	974.9	976.0	965.8	955.1	953.4	954.0	953.4	956.8	966.4	976.6
25°	975.4	977.1	969.2	960.8	963.6	964.7	963.6	964.2	971.5	980.5
27.5°	983.9	986.2	978.8	971.5	973.2	972.6	974.3	976.0	981.6	990.7
30°	1001.4	1003.1	996.9	989.5	988.4	984.5	989.5	995.2	1001.4	1009.3
32.5°	1030.2	1033.5	1025.6	1017.7	1012.7	1010.4	1014.4	1024.0	1032.4	1040.9
35°	1078.1	1080.4	1073.0	1058.4	1049.3	1049.3	1052.7	1065.1	1078.7	1089.4
37.5°	1145.8	1148.6	1135.7	1118.2	1104.6	1104.6	1109.1	1122.1	1142.4	1157.7
40°	1228.2	1232.1	1215.8	1197.7	1184.7	1182.5	1188.1	1202.8	1222.0	1241.2
42.5°	1327.5	1332.0	1310.5	1294.8	1284.6	1284.6	1287.4	1301.0	1318.4	1342.1
45°	1454.4	1462.3	1433.0	1417.2	1407.6	1409.8	1411.5	1423.4	1439.2	1466.3
47.5°	1605.6	1613.5	1582.5	1566.1	1564.4	1575.1	1568.4	1576.8	1585.3	1616.3
50°	1777.1	1790.6	1769.2	1768.1	1771.5	1791.2	1775.4	1779.9	1770.3	1790.1
52.5°	1987.0	2006.7	2002.8	2009.5	2047.3	2088.0	2051.9	2036.1	2000.0	2006.2
55°	2241.4	2271.3	2277.0	2317.6	2403.3	2486.3	2409.5	2345.8	2269.1	2255.0
57.5°	2530.8	2554.5	2581.6	2664.5	2824.8	2972.0	2824.8	2683.7	2563.0	2534.2
60°	2842.2	2871.6	2897.5	3020.0	3258.0	3465.1	3253.5	3029.5	2869.9	2831.0
62.5°	3176.8	3214.6	3232.6	3368.6	3646.2	3893.3	3650.1	3378.8	3201.6	3159.9
65°	3497.8	3528.8	3549.1	3694.1	3959.3	4207.0	3977.3	3709.9	3527.7	3473.0
67.5°	3647.3	3664.2	3713.9	3878.0	4157.9	4440.5	4205.3	3895.5	3691.9	3596.0
70°	3428.4	3394.0	3513.6	3776.5	4181.6	4583.8	4235.7	3768.6	3519.2	3363.5
72.5°	2649.3	2590.1	2797.7	3247.3	3910.8	4492.4	3937.8	3272.7	2926.9	2610.9
75°	1441.4	1374.3	1660.9	2229.6	3118.7	3893.8	3190.3	2293.3	1849.3	1430.7
77.5°	406.8	381.4	612.7	1078.7	1875.8	2733.9	1948.0	1102.4	726.6	431.0
80°	124.7	120.7	163.6	325.0	796.6	1309.4	765.6	328.9	208.2	131.4
82.5°	73.9	67.7	81.2	118.5	203.1	411.3	197.5	123.6	99.3	66.6
85°	42.3	39.5	48.0	57.5	68.3	87.4	57.0	58.7	53.0	35.5
87.5°	17.5	15.8	18.6	18.1	15.8	20.3	15.2	18.1	21.4	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
990.1
986.7
974.3
960.8
954.6
954.6
958.5
965.8
973.2
976.6
979.9
988.4
1007.6
1037.5
1085.4
1152.0
1234.9
1340.4
1465.1
1607.3
1778.2
1985.3
2233.0
2513.9
2797.1
3126.0
3445.9
3597.1
3400.8
2689.4
1523.8
479.0
138.8
72.2
37.2
13.0
0.0

OF REPORT)