

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: P846951

Luminaire Tested: **GLAN-SB2D-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846951  
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-SB2D-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16412 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

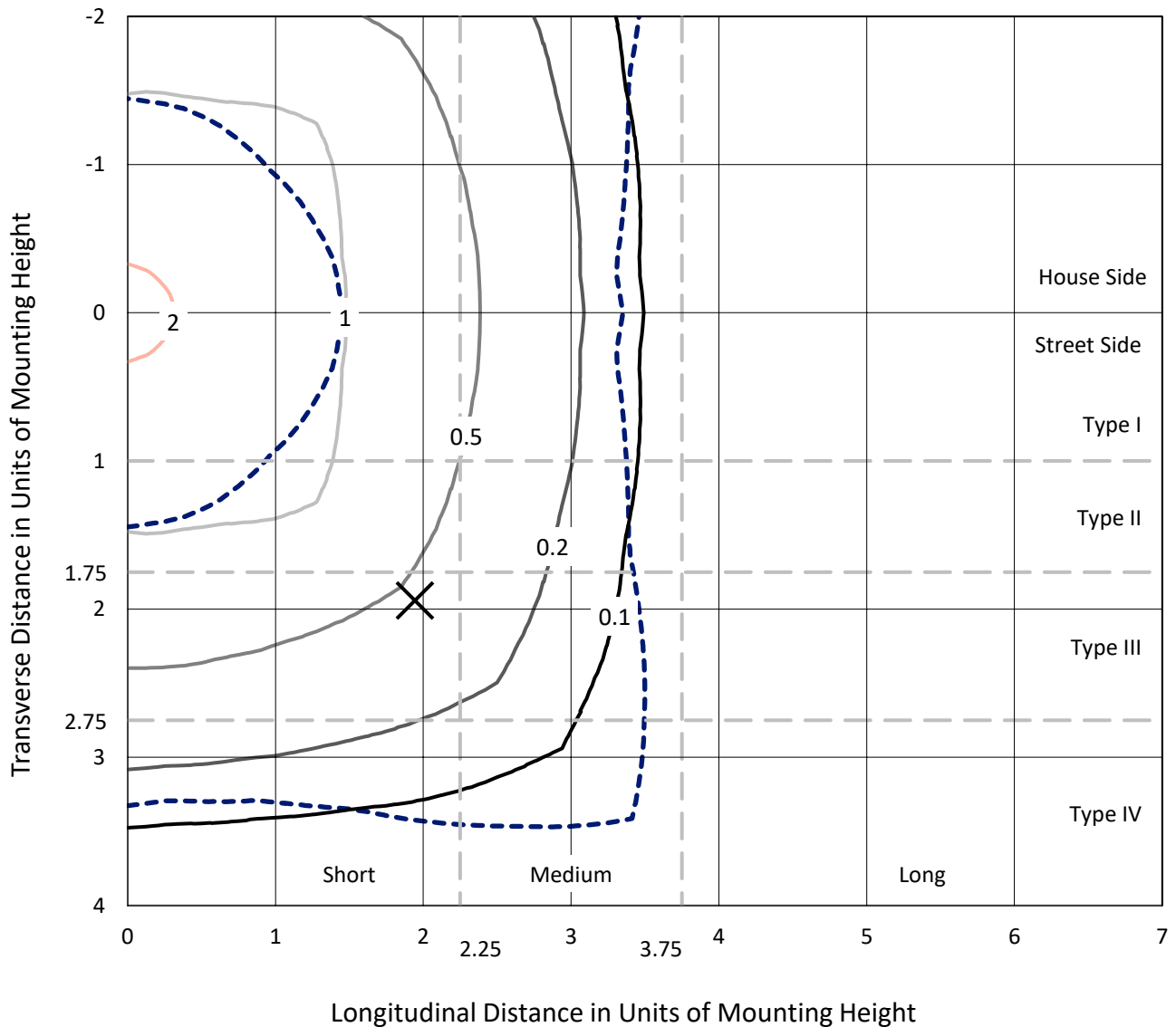
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

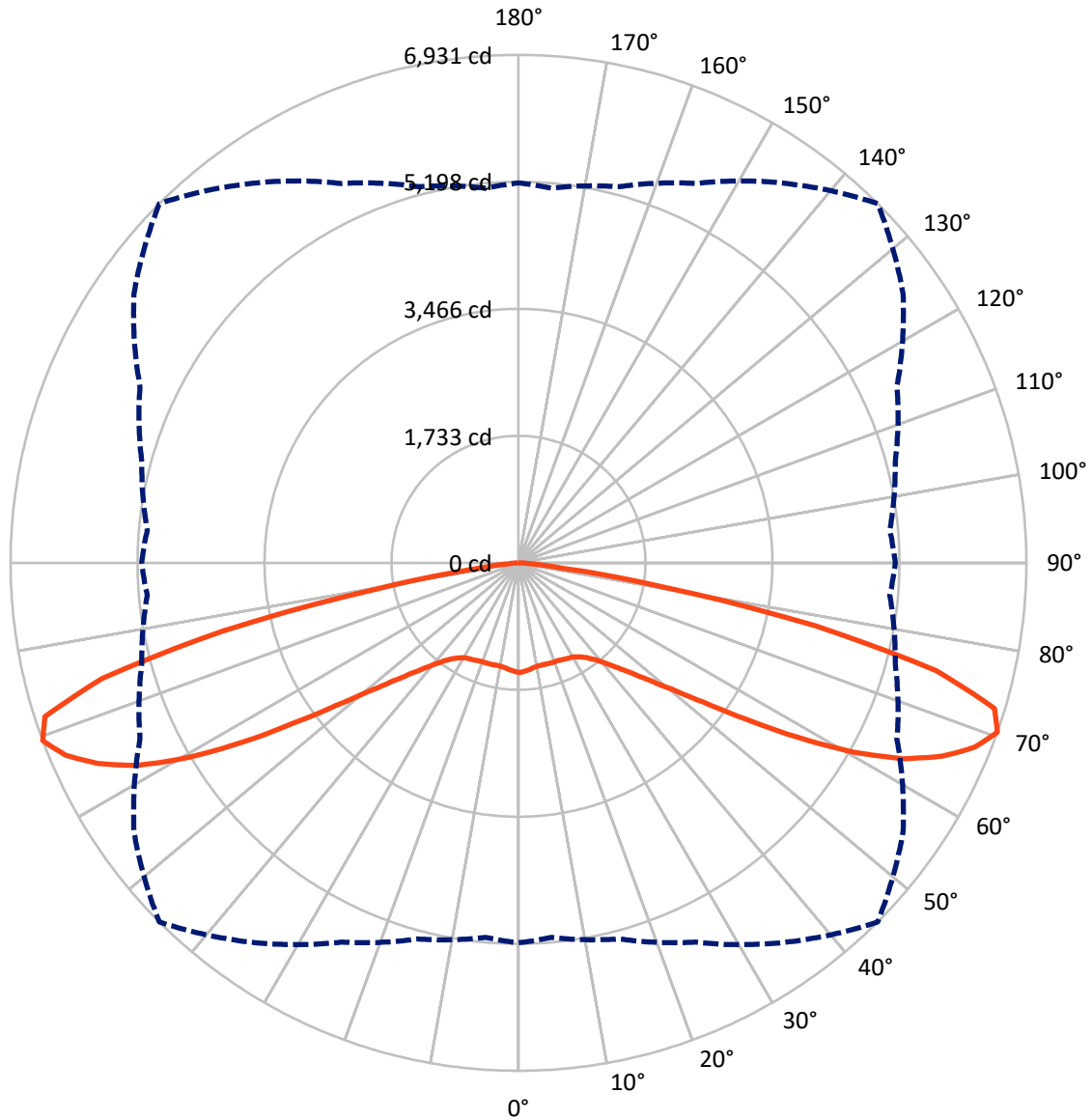
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	8206.0	0.0	8206.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8206.0	0.0	8206.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16412.0	0.0	16412.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.3	0.8
10°-20°	408.9	2.5
20°-30°	680.5	4.1
30°-40°	1029.1	6.3
40°-50°	1710.2	10.4
50°-60°	3227.0	19.7
60°-70°	5448.9	33.2
70°-80°	3580.5	21.8
80°-90°	187.6	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°	16412.0	100.0
0°-180°	16412.0	100.0

**Coefficient of Utilization**



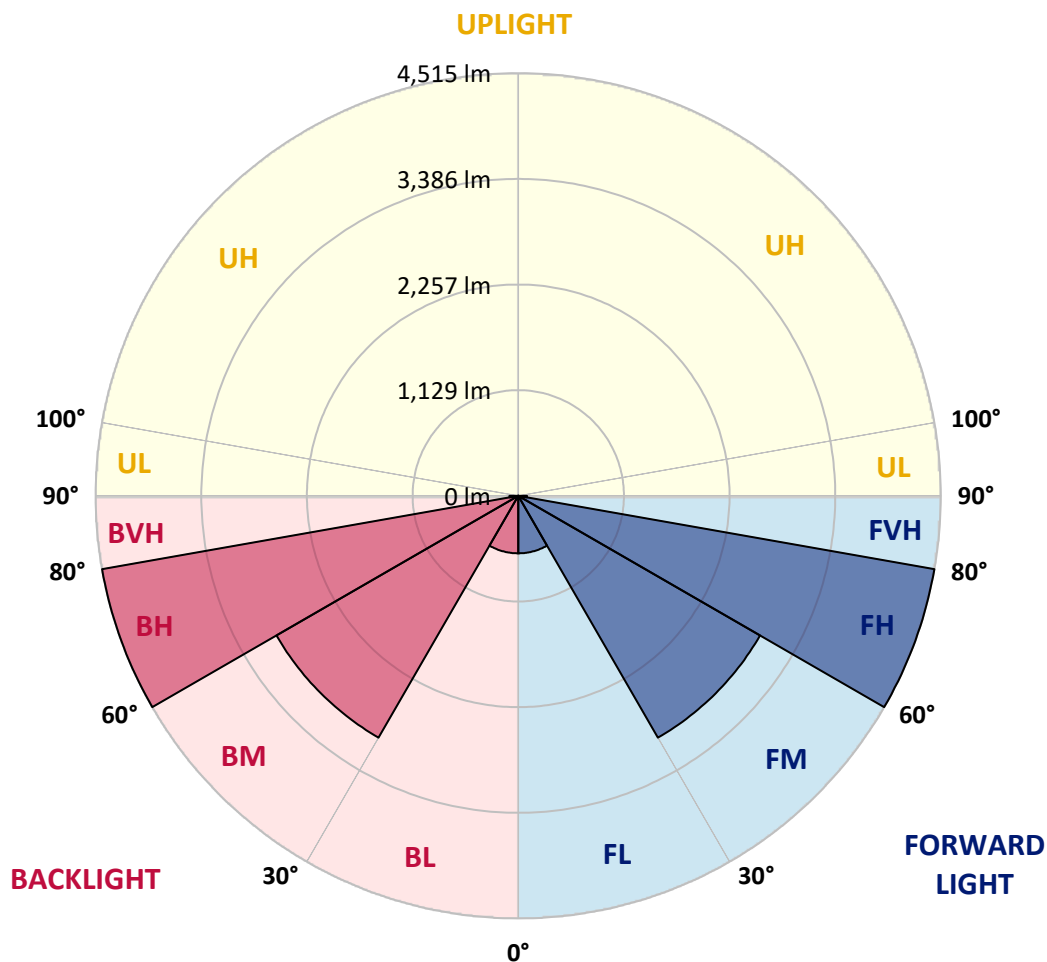
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	614.3	3.7			
FM	(30°-60°)	2983.1	18.2			
FH	(60°-80°)	4514.7	27.5			G2/5000
FVH	(80°-90°)	93.8	0.6			G1/100
BL	(0°-30°)	614.3	3.7	B2/1000		
BM	(30°-60°)	2983.1	18.2	B3/5000		
BH	(60°-80°)	4514.7	27.5	B4/5000		G2/5000
BVH	(80°-90°)	93.8	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°	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1
2.5°	1487.7	1492.0	1490.3	1486.9	1486.9	1484.3	1486.9	1488.6	1491.1	1492.8
5°	1468.1	1471.5	1470.7	1468.1	1469.0	1466.4	1468.1	1470.7	1472.4	1473.2
7.5°	1451.0	1454.5	1452.7	1448.5	1448.5	1445.9	1446.8	1449.3	1451.9	1452.7
10°	1446.8	1450.2	1445.1	1438.2	1435.7	1432.3	1433.1	1435.7	1440.8	1443.4
12.5°	1448.5	1451.0	1445.9	1435.7	1433.1	1429.7	1429.7	1432.3	1439.1	1442.5
15°	1453.6	1456.2	1448.5	1437.4	1434.8	1432.3	1431.4	1434.8	1442.5	1448.5
17.5°	1463.0	1465.5	1453.6	1438.2	1434.8	1435.7	1434.8	1437.4	1449.3	1460.4
20°	1471.5	1473.2	1457.0	1438.2	1434.8	1435.7	1434.8	1440.0	1455.3	1470.7
22.5°	1474.1	1475.8	1460.4	1444.2	1441.7	1442.5	1441.7	1446.8	1461.3	1476.6
25°	1474.9	1477.5	1465.5	1452.7	1457.0	1458.7	1457.0	1457.9	1469.0	1482.6
27.5°	1487.7	1491.1	1480.0	1469.0	1471.5	1470.7	1473.2	1475.8	1484.3	1498.0
30°	1514.2	1516.7	1507.3	1496.3	1494.5	1488.6	1496.3	1504.8	1514.2	1526.1
32.5°	1557.7	1562.8	1550.8	1538.9	1531.2	1527.8	1533.8	1548.3	1561.1	1573.9
35°	1630.2	1633.6	1622.5	1600.3	1586.7	1586.7	1591.8	1610.6	1631.0	1647.2
37.5°	1732.5	1736.8	1717.2	1690.7	1670.3	1670.3	1677.1	1696.7	1727.4	1750.5
40°	1857.1	1863.1	1838.3	1811.0	1791.4	1788.0	1796.5	1818.7	1847.7	1876.7
42.5°	2007.2	2014.1	1981.6	1957.8	1942.4	1942.4	1946.7	1967.1	1993.6	2029.4
45°	2199.2	2211.1	2166.8	2142.9	2128.4	2131.8	2134.3	2152.2	2176.1	2217.1
47.5°	2427.8	2439.7	2392.8	2368.1	2365.5	2381.7	2371.5	2384.3	2397.1	2444.0
50°	2687.1	2707.6	2675.2	2673.5	2678.6	2708.4	2684.6	2691.4	2676.9	2706.7
52.5°	3004.4	3034.3	3028.3	3038.6	3095.7	3157.1	3102.5	3078.7	3024.1	3033.5
55°	3389.2	3434.4	3442.9	3504.3	3634.0	3759.4	3643.4	3547.0	3431.0	3409.6
57.5°	3826.8	3862.6	3903.6	4029.0	4271.2	4493.9	4271.2	4058.0	3875.4	3831.9
60°	4297.7	4342.0	4381.3	4566.4	4926.4	5239.4	4919.5	4580.9	4339.5	4280.6
62.5°	4803.5	4860.7	4888.0	5093.6	5513.3	5886.9	5519.2	5108.9	4841.1	4777.9
65°	5288.9	5335.8	5366.5	5585.8	5986.7	6361.2	6014.0	5609.7	5334.1	5251.4
67.5°	5515.0	5540.6	5615.6	5863.9	6287.0	6714.4	6358.6	5890.3	5582.4	5437.3
70°	5184.0	5132.0	5312.8	5710.3	6322.8	6931.0	6404.7	5698.4	5321.3	5085.9
72.5°	4005.9	3916.4	4230.3	4910.2	5913.4	6792.8	5954.3	4948.5	4425.6	3947.9
75°	2179.5	2078.0	2511.4	3371.3	4715.7	5887.8	4824.0	3467.7	2796.3	2163.3
77.5°	615.0	576.7	926.4	1631.0	2836.4	4133.9	2945.6	1666.9	1098.7	651.7
80°	188.5	182.6	247.4	491.4	1204.5	1979.9	1157.6	497.3	314.8	198.8
82.5°	111.7	102.4	122.8	179.1	307.1	621.9	298.6	186.8	150.1	100.7
85°	64.0	59.7	72.5	87.0	103.2	132.2	86.2	88.7	80.2	53.7
87.5°	26.4	23.9	28.2	27.3	23.9	30.7	23.0	27.3	32.4	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1497.1
1492.0
1473.2
1452.7
1443.4
1443.4
1449.3
1460.4
1471.5
1476.6
1481.7
1494.5
1523.5
1568.8
1641.3
1741.9
1867.3
2026.8
2215.4
2430.3
2688.8
3001.9
3376.4
3801.2
4229.4
4726.8
5210.4
5439.1
5142.2
4066.5
2304.1
724.2
209.9
109.2
56.3
19.6
0.0

OF REPORT)