

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: P847461

Luminaire Tested: **GLAN-SB3C-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847461  
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-SB3C-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18122 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

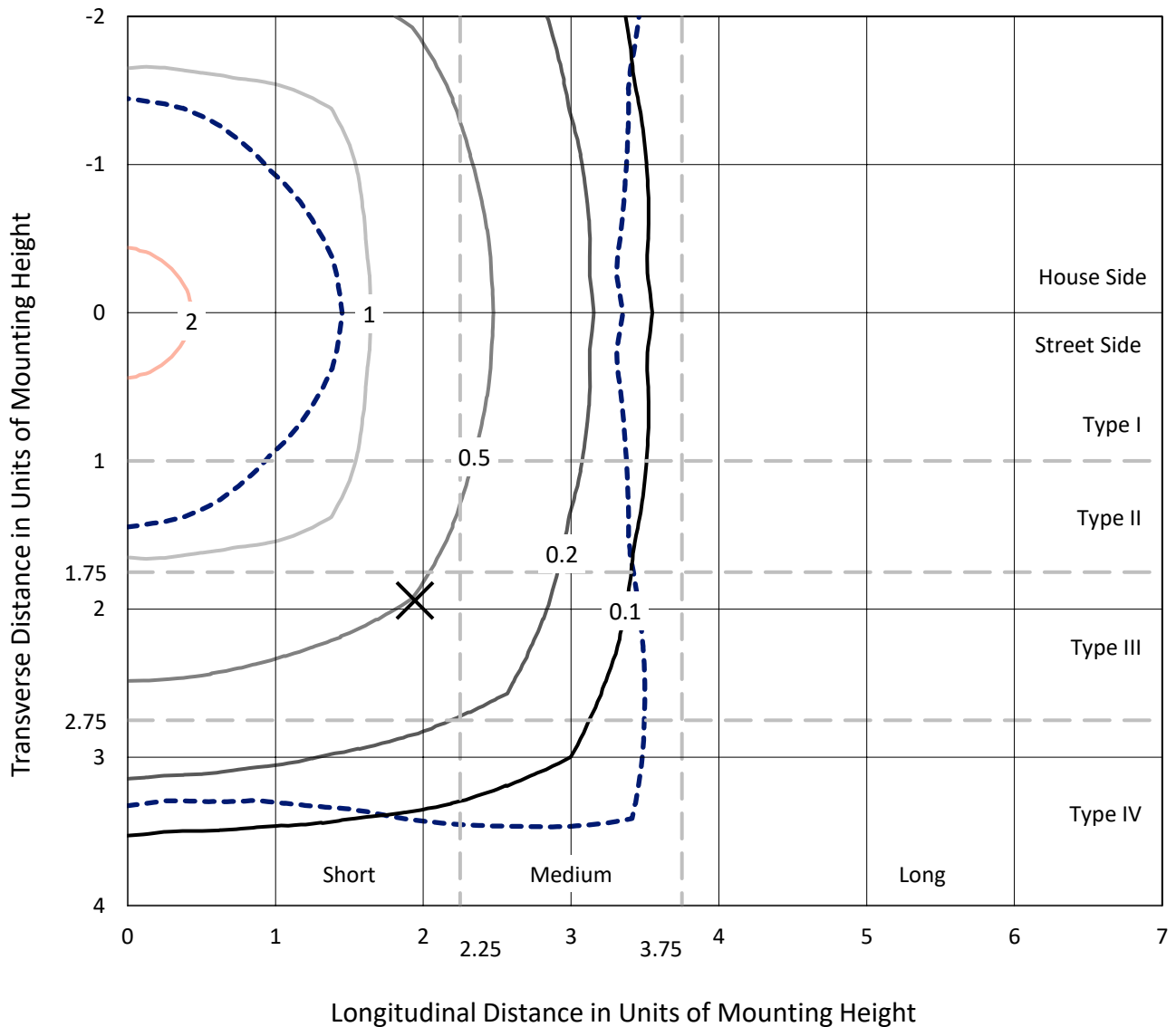
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

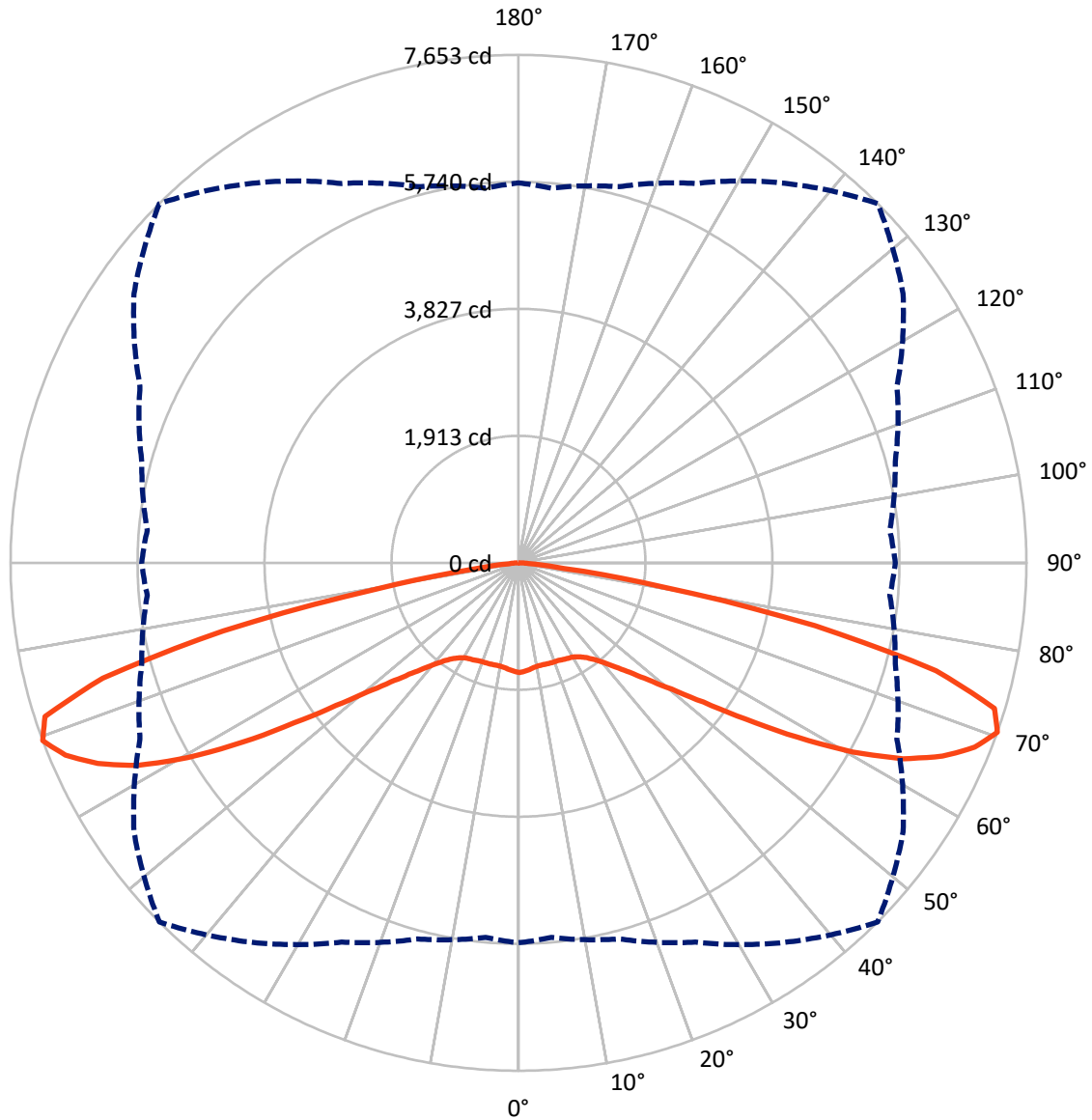
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	9061.0	0.0	9061.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9061.0	0.0	9061.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18122.0	0.0	18122.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	0.8
10°-20°	451.5	2.5
20°-30°	751.4	4.1
30°-40°	1136.3	6.3
40°-50°	1888.3	10.4
50°-60°	3563.2	19.7
60°-70°	6016.7	33.2
70°-80°	3953.6	21.8
80°-90°	207.1	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°	18122.0	100.0
0°-180°	18122.0	100.0

**Coefficient of Utilization**



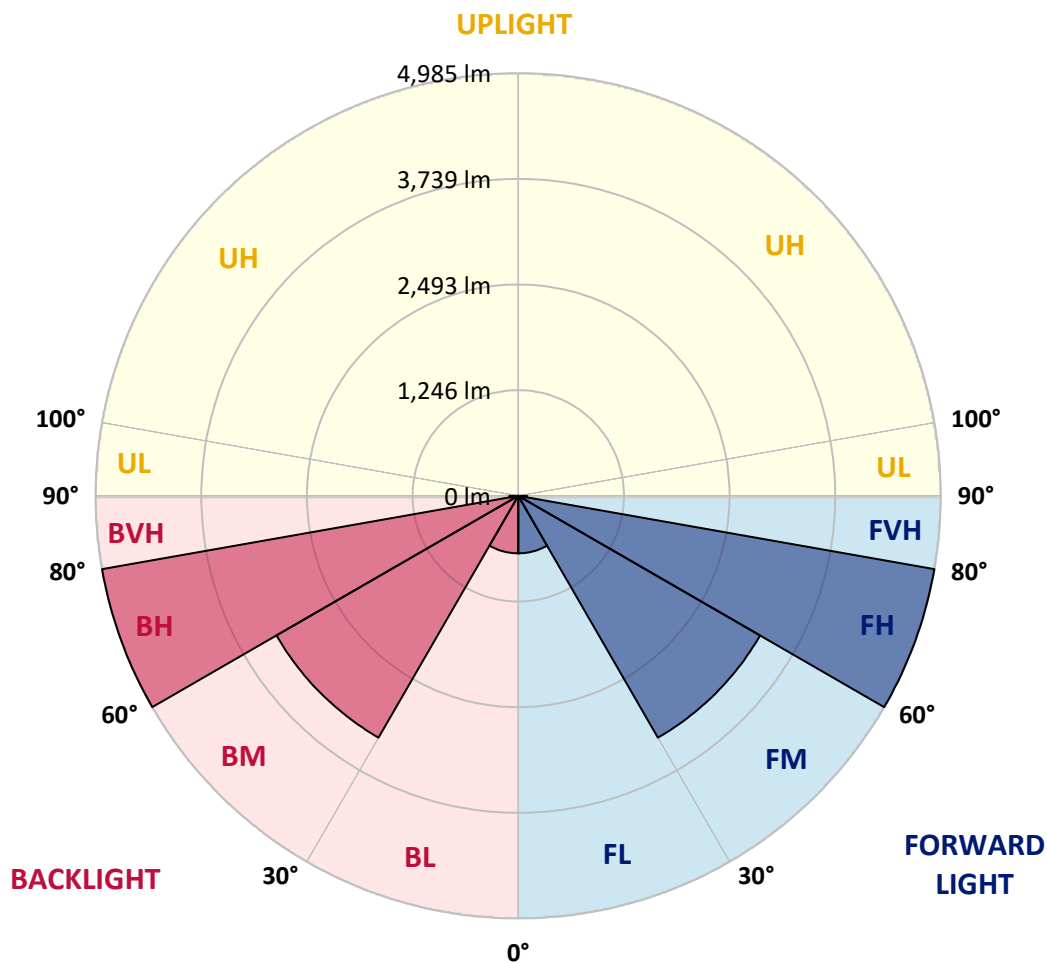
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.4	3.7			
FM (30°-60°)	3294.0	18.2			
FH (60°-80°)	4985.1	27.5			G2/5000
FVH (80°-90°)	103.6	0.6			G2/225
BL (0°-30°)	678.4	3.7	B2/1000		
BM (30°-60°)	3294.0	18.2	B3/5000		
BH (60°-80°)	4985.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	103.6	0.6			G2/225
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°	1653.1	1653.1	1653.1	1653.1	1653.1	1653.1	1653.1	1653.1	1653.1	1653.1
2.5°	1642.7	1647.4	1645.6	1641.8	1641.8	1639.0	1641.8	1643.7	1646.5	1648.4
5°	1621.1	1624.8	1623.9	1621.1	1622.0	1619.2	1621.1	1623.9	1625.8	1626.7
7.5°	1602.2	1606.0	1604.1	1599.4	1599.4	1596.6	1597.5	1600.3	1603.2	1604.1
10°	1597.5	1601.3	1595.6	1588.1	1585.3	1581.5	1582.4	1585.3	1590.9	1593.7
12.5°	1599.4	1602.2	1596.6	1585.3	1582.4	1578.7	1578.7	1581.5	1589.0	1592.8
15°	1605.1	1607.9	1599.4	1587.2	1584.3	1581.5	1580.6	1584.3	1592.8	1599.4
17.5°	1615.4	1618.2	1605.1	1588.1	1584.3	1585.3	1584.3	1587.2	1600.3	1612.6
20°	1624.8	1626.7	1608.8	1588.1	1584.3	1585.3	1584.3	1590.0	1606.9	1623.9
22.5°	1627.7	1629.5	1612.6	1594.7	1591.9	1592.8	1591.9	1597.5	1613.5	1630.5
25°	1628.6	1631.4	1618.2	1604.1	1608.8	1610.7	1608.8	1609.8	1622.0	1637.1
27.5°	1642.7	1646.5	1634.3	1622.0	1624.8	1623.9	1626.7	1629.5	1639.0	1654.0
30°	1671.9	1674.8	1664.4	1652.1	1650.3	1643.7	1652.1	1661.6	1671.9	1685.1
32.5°	1720.0	1725.6	1712.4	1699.2	1690.8	1687.0	1693.6	1709.6	1723.7	1737.9
35°	1800.0	1803.8	1791.6	1767.1	1752.0	1752.0	1757.6	1778.4	1801.0	1818.9
37.5°	1913.1	1917.8	1896.1	1866.9	1844.3	1844.3	1851.8	1873.5	1907.4	1932.8
40°	2050.6	2057.2	2029.9	1999.7	1978.1	1974.3	1983.7	2008.2	2040.2	2072.3
42.5°	2216.4	2223.9	2188.1	2161.7	2144.8	2144.8	2149.5	2172.1	2201.3	2240.9
45°	2428.3	2441.5	2392.5	2366.1	2350.1	2353.9	2356.7	2376.5	2402.9	2448.1
47.5°	2680.7	2693.9	2642.1	2614.8	2612.0	2629.9	2618.6	2632.7	2646.8	2698.6
50°	2967.1	2989.7	2953.9	2952.0	2957.7	2990.6	2964.3	2971.8	2955.8	2988.8
52.5°	3317.5	3350.5	3343.9	3355.2	3418.3	3486.1	3425.8	3399.4	3339.2	3349.5
55°	3742.3	3792.2	3801.6	3869.5	4012.6	4151.1	4023.0	3916.6	3788.5	3764.9
57.5°	4225.5	4265.1	4310.3	4448.7	4716.3	4962.1	4716.3	4480.8	4279.2	4231.2
60°	4745.5	4794.4	4837.8	5042.2	5439.7	5785.3	5432.1	5058.2	4791.6	4726.6
62.5°	5304.0	5367.1	5397.3	5624.3	6087.7	6500.3	6094.3	5641.2	5345.5	5275.8
65°	5840.0	5891.8	5925.7	6167.8	6610.5	7024.0	6640.6	6194.1	5889.9	5798.5
67.5°	6089.6	6117.9	6200.7	6474.8	6942.0	7413.9	7021.2	6504.0	6164.0	6003.9
70°	5724.1	5666.7	5866.4	6305.3	6981.6	7653.2	7072.0	6292.1	5875.8	5615.8
72.5°	4423.3	4324.4	4671.0	5421.8	6529.5	7500.6	6574.7	5464.1	4886.7	4359.3
75°	2406.6	2294.5	2773.0	3722.5	5207.0	6501.2	5326.6	3829.0	3087.7	2388.7
77.5°	679.1	636.7	1022.9	1801.0	3131.9	4564.6	3252.5	1840.5	1213.2	719.6
80°	208.2	201.6	273.2	542.6	1330.0	2186.2	1278.2	549.1	347.6	219.5
82.5°	123.4	113.0	135.6	197.8	339.1	686.7	329.7	206.3	165.8	111.1
85°	70.6	65.9	80.1	96.1	114.0	146.0	95.1	98.0	88.5	59.3
87.5°	29.2	26.4	31.1	30.1	26.4	33.9	25.4	30.1	35.8	23.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1653.1
1647.4
1626.7
1604.1
1593.7
1593.7
1600.3
1612.6
1624.8
1630.5
1636.1
1650.3
1682.3
1732.2
1812.3
1923.4
2061.9
2238.0
2446.2
2683.6
2969.0
3314.7
3728.2
4197.3
4670.1
5219.2
5753.3
6005.8
5678.0
4490.2
2544.2
799.7
231.7
120.6
62.2
21.7
0.0

OF REPORT)