

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: P847501

Luminaire Tested: **GLAN-SB3C-850-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847501  
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-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19516 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

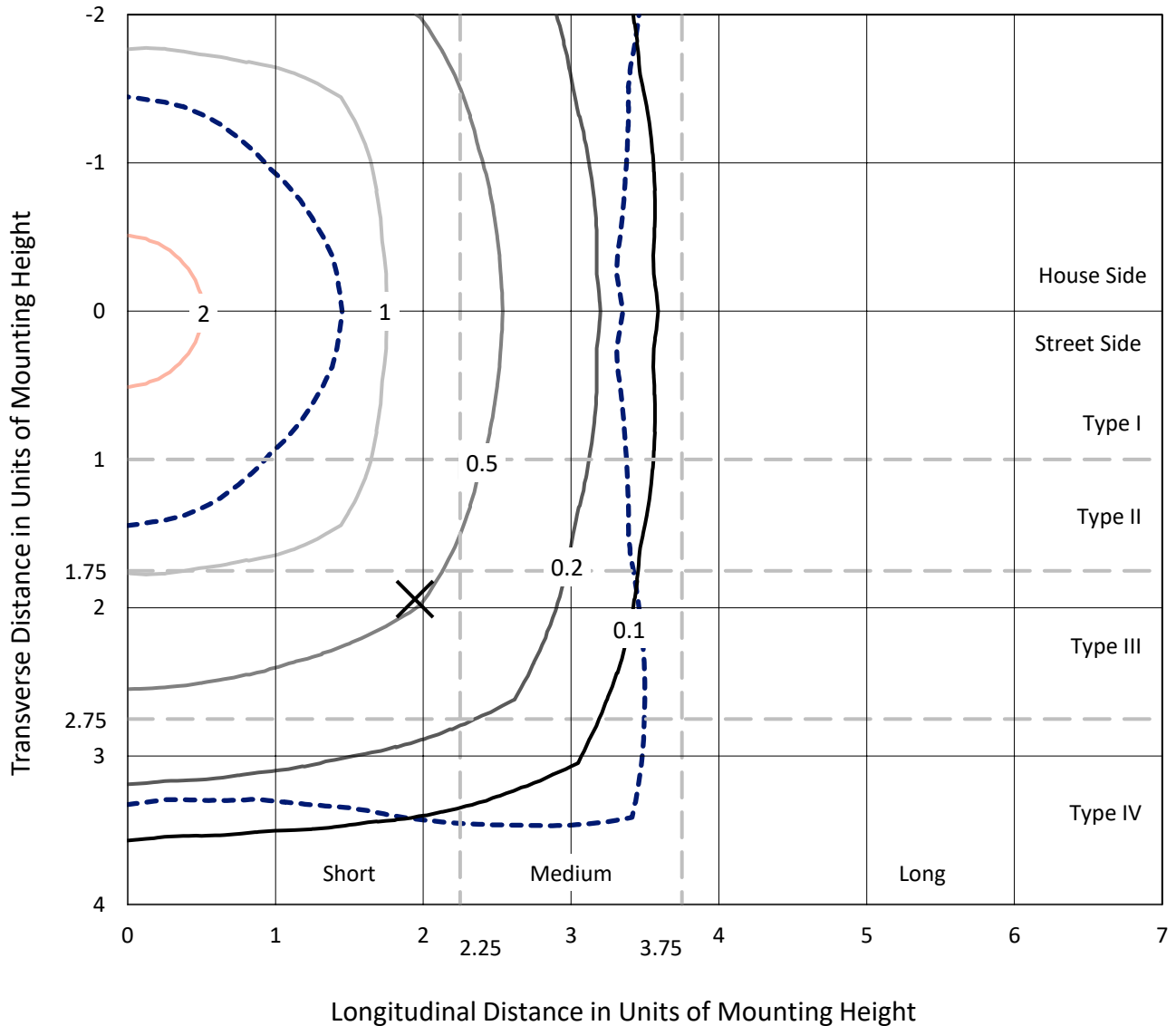
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

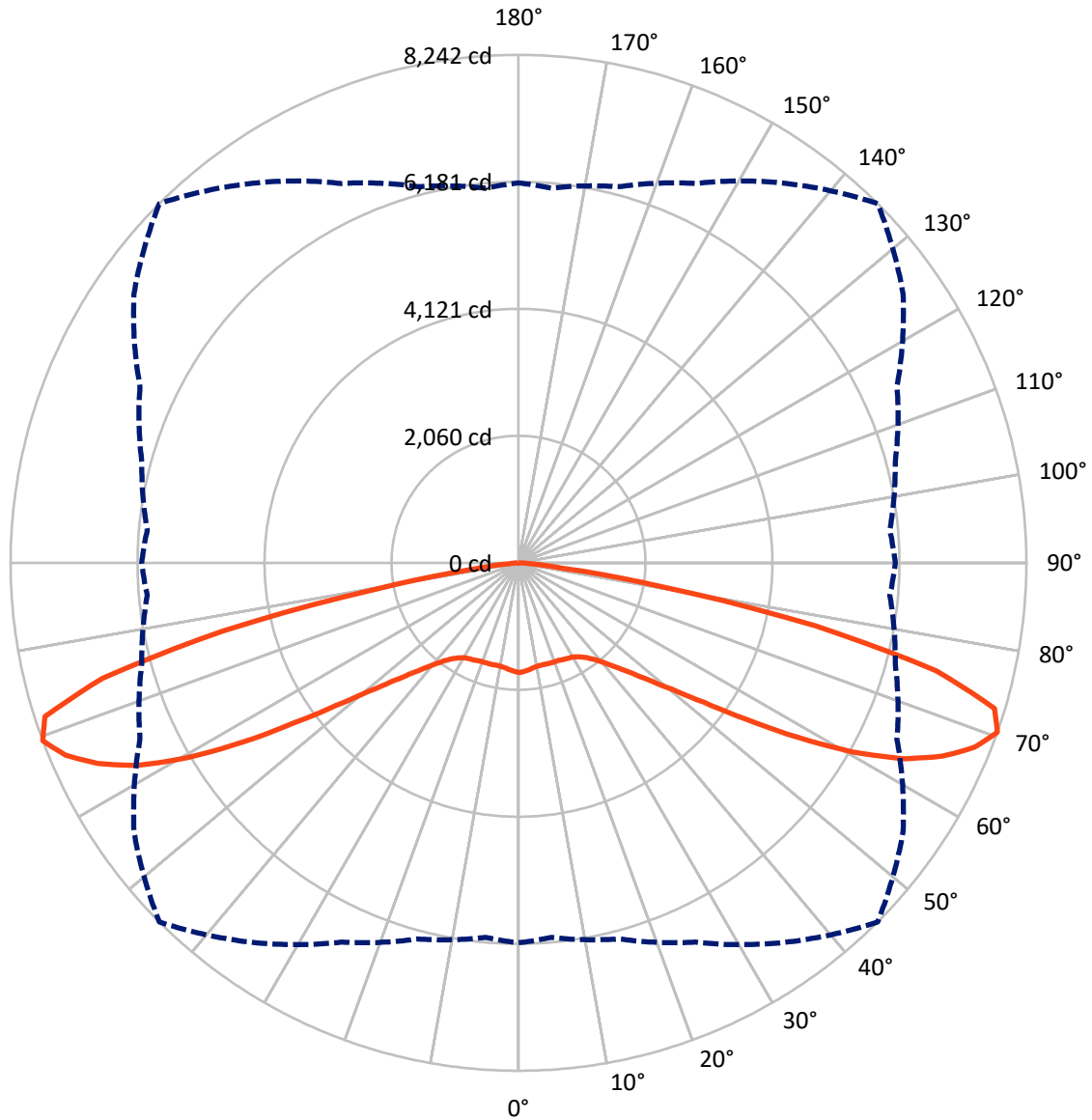
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	9758.0	0.0	9758.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9758.0	0.0	9758.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19516.0	0.0	19516.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.6	0.8
10°-20°	486.3	2.5
20°-30°	809.2	4.1
30°-40°	1223.8	6.3
40°-50°	2033.6	10.4
50°-60°	3837.3	19.7
60°-70°	6479.5	33.2
70°-80°	4257.7	21.8
80°-90°	223.1	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°	19516.0	100.0
0°-180°	19516.0	100.0

**Coefficient of Utilization**



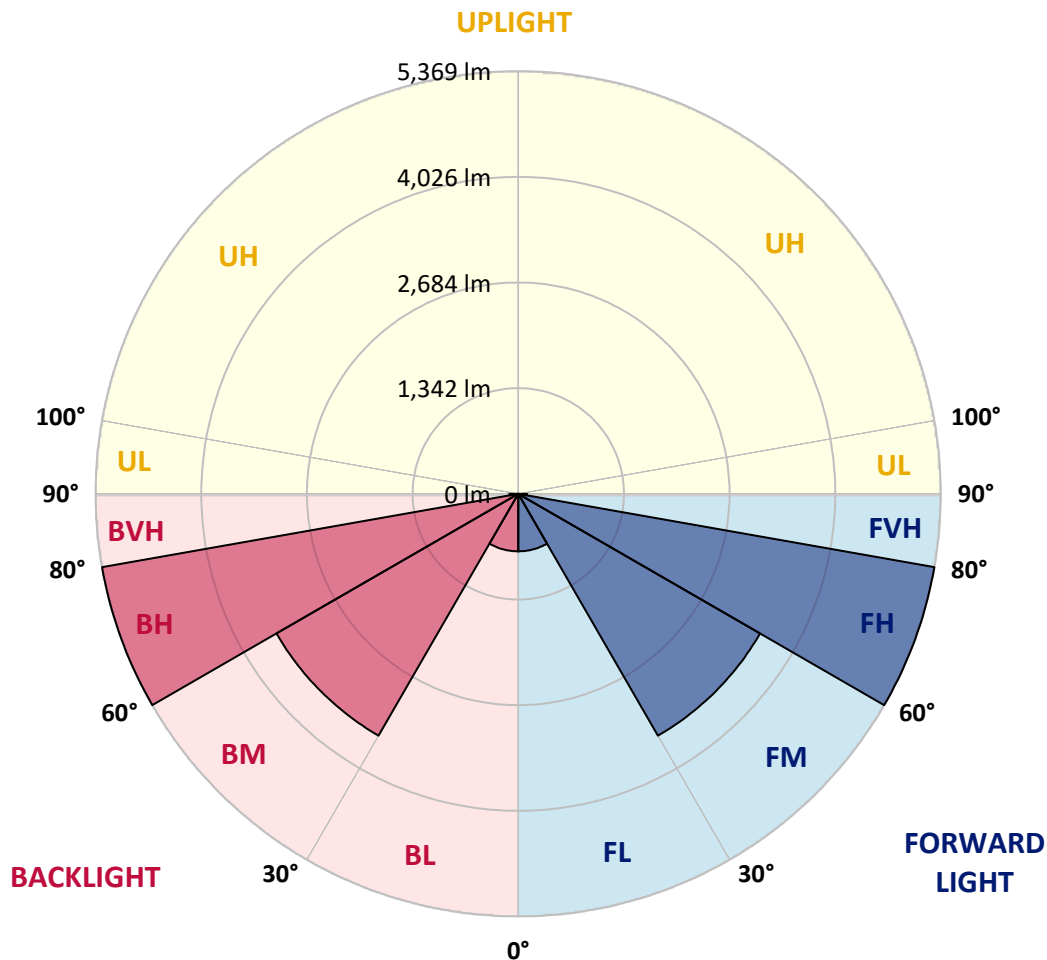
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.5	3.7			
FM (30°-60°)	3547.3	18.2			
FH (60°-80°)	5368.6	27.5			G3/7500
FVH (80°-90°)	111.5	0.6			G2/225
BL (0°-30°)	730.5	3.7	B2/1000		
BM (30°-60°)	3547.3	18.2	B3/5000		
BH (60°-80°)	5368.6	27.5	B5		G3/7500
BVH (80°-90°)	111.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1780.3	1780.3	1780.3	1780.3	1780.3	1780.3	1780.3	1780.3	1780.3	1780.3
2.5°	1769.1	1774.2	1772.1	1768.1	1768.1	1765.0	1768.1	1770.1	1773.2	1775.2
5°	1745.8	1749.8	1748.8	1745.8	1746.8	1743.7	1745.8	1748.8	1750.8	1751.8
7.5°	1725.5	1729.5	1727.5	1722.4	1722.4	1719.4	1720.4	1723.4	1726.5	1727.5
10°	1720.4	1724.5	1718.4	1710.3	1707.2	1703.2	1704.2	1707.2	1713.3	1716.3
12.5°	1722.4	1725.5	1719.4	1707.2	1704.2	1700.1	1700.1	1703.2	1711.3	1715.3
15°	1728.5	1731.6	1722.4	1709.2	1706.2	1703.2	1702.1	1706.2	1715.3	1722.4
17.5°	1739.7	1742.7	1728.5	1710.3	1706.2	1707.2	1706.2	1709.2	1723.4	1736.6
20°	1749.8	1751.8	1732.6	1710.3	1706.2	1707.2	1706.2	1712.3	1730.5	1748.8
22.5°	1752.9	1754.9	1736.6	1717.4	1714.3	1715.3	1714.3	1720.4	1737.6	1755.9
25°	1753.9	1756.9	1742.7	1727.5	1732.6	1734.6	1732.6	1733.6	1746.8	1763.0
27.5°	1769.1	1773.2	1760.0	1746.8	1749.8	1748.8	1751.8	1754.9	1765.0	1781.3
30°	1800.5	1803.6	1792.4	1779.2	1777.2	1770.1	1779.2	1789.4	1800.5	1814.7
32.5°	1852.3	1858.4	1844.2	1830.0	1820.8	1816.8	1823.9	1841.1	1856.3	1871.5
35°	1938.5	1942.6	1929.4	1903.0	1886.8	1886.8	1892.8	1915.2	1939.5	1958.8
37.5°	2060.2	2065.3	2042.0	2010.5	1986.2	1986.2	1994.3	2017.6	2054.1	2081.5
40°	2208.3	2215.4	2186.0	2153.5	2130.2	2126.2	2136.3	2162.7	2197.2	2231.7
42.5°	2386.9	2395.0	2356.4	2328.0	2309.8	2309.8	2314.8	2339.2	2370.6	2413.2
45°	2615.1	2629.3	2576.5	2548.1	2530.9	2535.0	2538.0	2559.3	2587.7	2636.4
47.5°	2887.0	2901.2	2845.4	2815.9	2812.9	2832.2	2820.0	2835.2	2850.4	2906.2
50°	3195.3	3219.7	3181.1	3179.1	3185.2	3220.7	3192.3	3200.4	3183.2	3218.7
52.5°	3572.7	3608.2	3601.1	3613.3	3681.2	3754.3	3689.3	3660.9	3596.0	3607.2
55°	4030.2	4083.9	4094.1	4167.1	4321.3	4470.4	4332.5	4217.8	4079.9	4054.5
57.5°	4550.5	4593.2	4641.8	4791.0	5079.0	5343.8	5079.0	4825.4	4608.4	4556.6
60°	5110.5	5163.2	5209.9	5430.0	5858.1	6230.4	5850.0	5447.3	5160.2	5090.2
62.5°	5712.0	5780.0	5812.4	6056.9	6556.0	7000.3	6563.1	6075.2	5756.7	5681.6
65°	6289.2	6345.0	6381.5	6642.2	7119.0	7564.3	7151.4	6670.6	6343.0	6244.6
67.5°	6558.0	6588.5	6677.7	6972.9	7476.0	7984.3	7561.3	7004.4	6638.2	6465.7
70°	6164.4	6102.6	6317.6	6790.3	7518.6	8241.9	7616.0	6776.1	6327.8	6047.8
72.5°	4763.6	4657.1	5030.4	5838.8	7031.7	8077.6	7080.4	5884.5	5262.6	4694.6
75°	2591.8	2471.1	2986.4	4008.9	5607.5	7001.3	5736.4	4123.5	3325.2	2572.5
77.5°	731.4	685.7	1101.6	1939.5	3372.8	4915.7	3502.7	1982.1	1306.5	775.0
80°	224.2	217.1	294.2	584.3	1432.3	2354.4	1376.5	591.4	374.3	236.4
82.5°	132.9	121.7	146.1	213.0	365.2	739.5	355.0	222.2	178.5	119.7
85°	76.1	71.0	86.2	103.5	122.7	157.2	102.5	105.5	95.4	63.9
87.5°	31.4	28.4	33.5	32.5	28.4	36.5	27.4	32.5	38.5	25.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1780.3
1774.2
1751.8
1727.5
1716.3
1716.3
1723.4
1736.6
1749.8
1755.9
1762.0
1777.2
1811.7
1865.5
1951.7
2071.4
2220.5
2410.2
2634.4
2890.0
3197.4
3569.6
4015.0
4520.1
5029.3
5620.7
6195.9
6467.7
6114.7
4835.6
2739.9
861.2
249.5
129.8
66.9
23.3
0.0

OF REPORT)