

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: P846901

Luminaire Tested: **GLAN-SB2D-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846901  
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-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19884 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

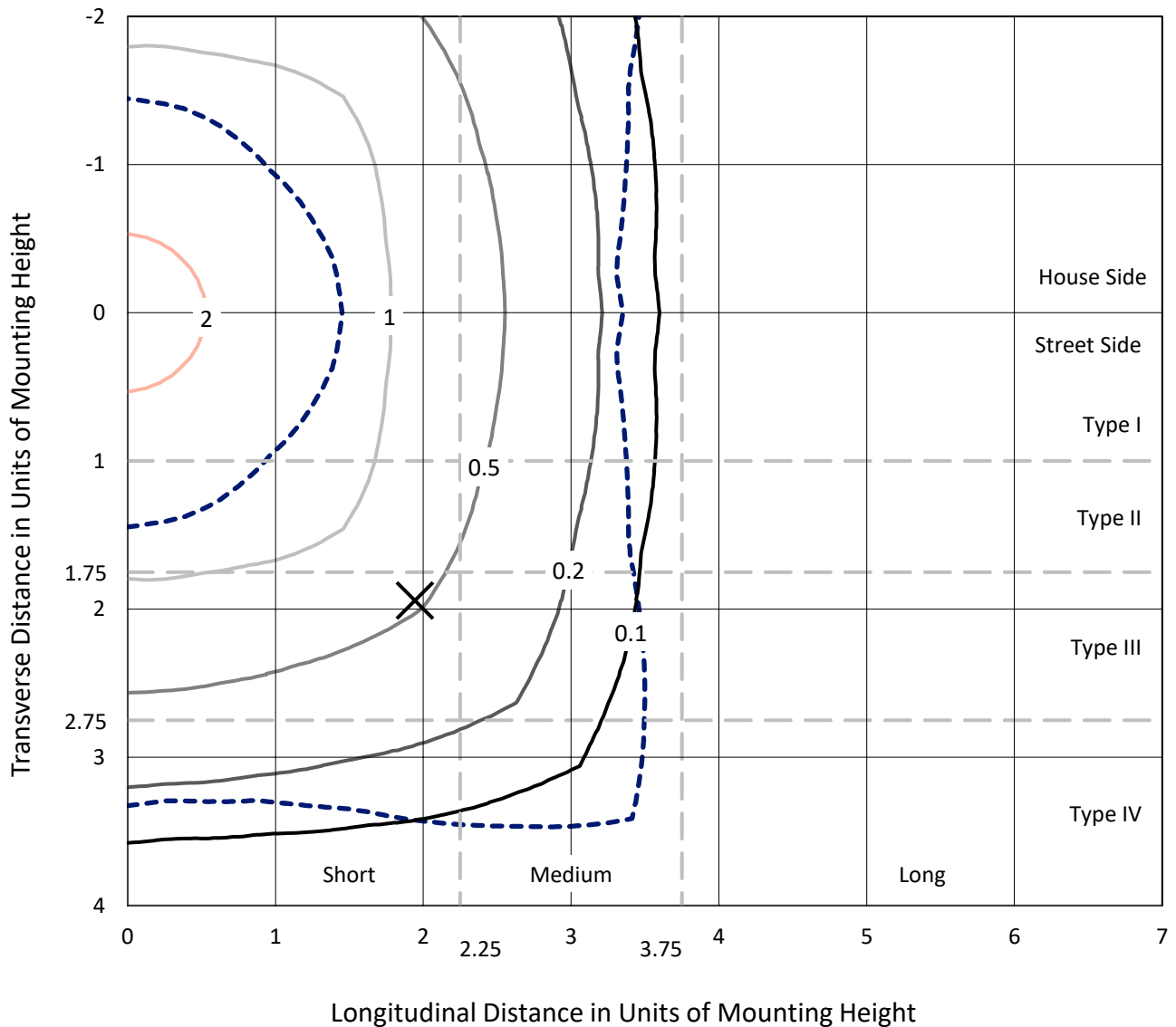
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

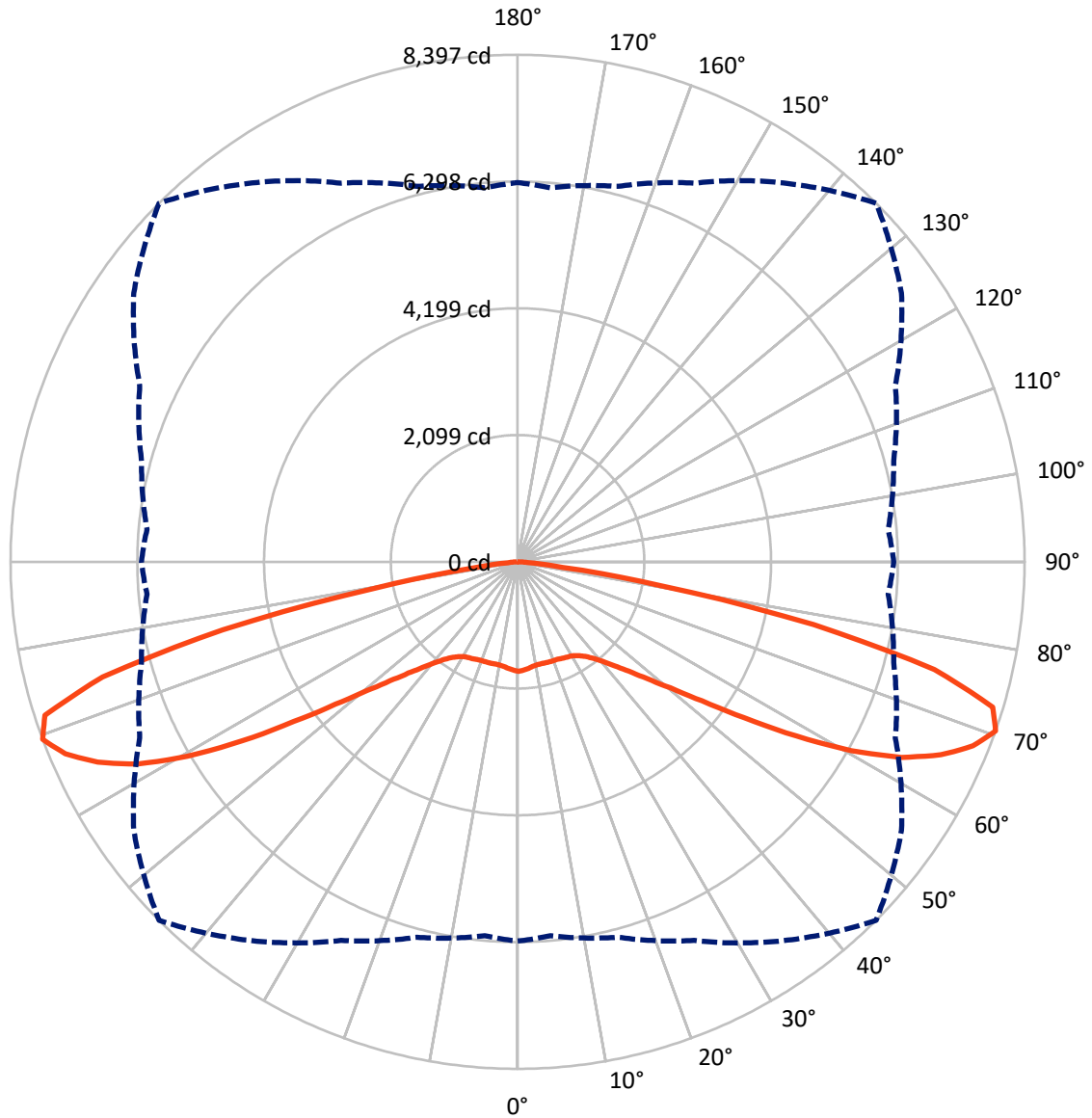
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	9942.0	0.0	9942.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9942.0	0.0	9942.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19884.0	0.0	19884.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.7	0.8
10°-20°	495.4	2.5
20°-30°	824.5	4.1
30°-40°	1246.8	6.3
40°-50°	2071.9	10.4
50°-60°	3909.7	19.7
60°-70°	6601.7	33.2
70°-80°	4338.0	21.8
80°-90°	227.3	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°	19884.0	100.0
0°-180°	19884.0	100.0

**Coefficient of Utilization**



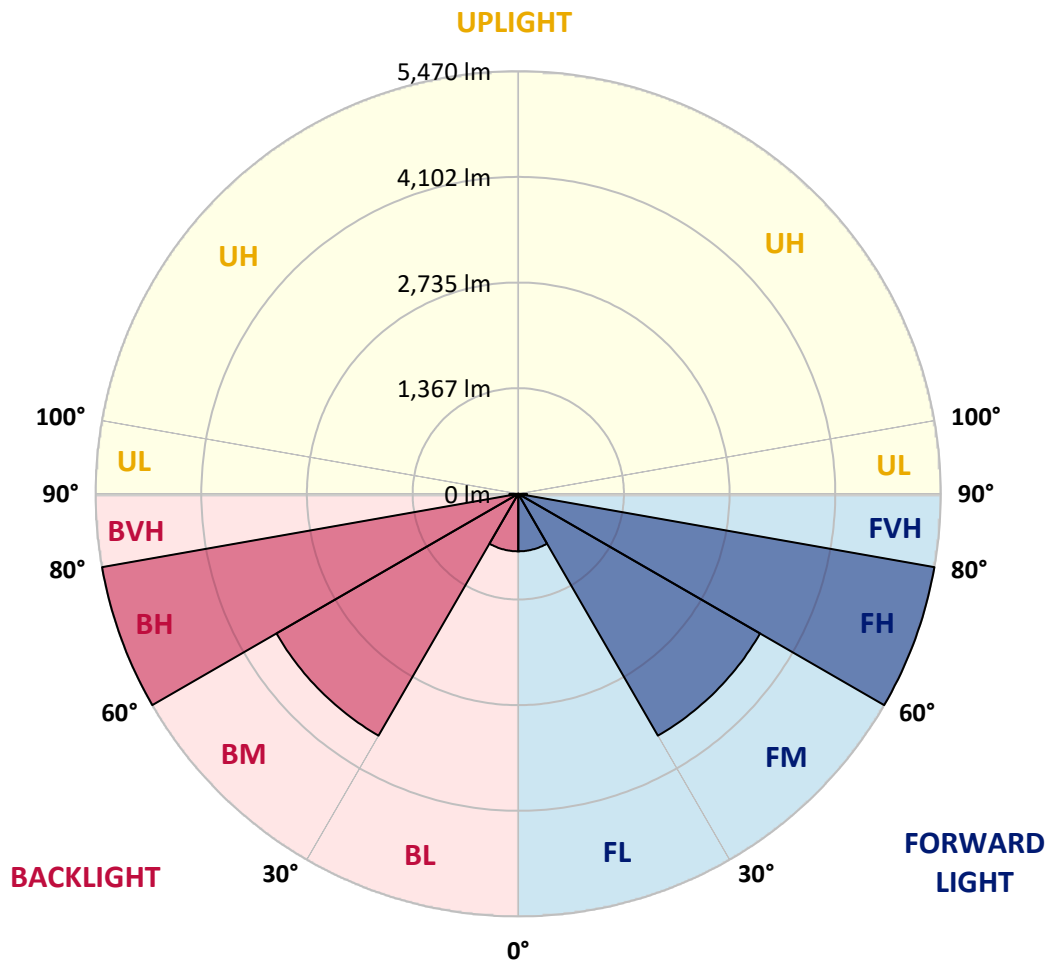
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.3	3.7			
FM (30°-60°)	3614.2	18.2			
FH (60°-80°)	5469.8	27.5			G3/7500
FVH (80°-90°)	113.6	0.6			G2/225
BL (0°-30°)	744.3	3.7	B2/1000		
BM (30°-60°)	3614.2	18.2	B3/5000		
BH (60°-80°)	5469.8	27.5	B5		G3/7500
BVH (80°-90°)	113.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1813.8	1813.8	1813.8	1813.8	1813.8	1813.8	1813.8	1813.8	1813.8	1813.8
2.5°	1802.5	1807.6	1805.6	1801.4	1801.4	1798.3	1801.4	1803.5	1806.6	1808.7
5°	1778.7	1782.8	1781.8	1778.7	1779.7	1776.6	1778.7	1781.8	1783.8	1784.9
7.5°	1758.0	1762.1	1760.1	1754.9	1754.9	1751.8	1752.8	1755.9	1759.0	1760.1
10°	1752.8	1757.0	1750.8	1742.5	1739.4	1735.3	1736.3	1739.4	1745.6	1748.7
12.5°	1754.9	1758.0	1751.8	1739.4	1736.3	1732.2	1732.2	1735.3	1743.5	1747.7
15°	1761.1	1764.2	1754.9	1741.5	1738.4	1735.3	1734.2	1738.4	1747.7	1754.9
17.5°	1772.5	1775.6	1761.1	1742.5	1738.4	1739.4	1738.4	1741.5	1755.9	1769.4
20°	1782.8	1784.9	1765.2	1742.5	1738.4	1739.4	1738.4	1744.6	1763.2	1781.8
22.5°	1785.9	1788.0	1769.4	1749.7	1746.6	1747.7	1746.6	1752.8	1770.4	1789.0
25°	1786.9	1790.1	1775.6	1760.1	1765.2	1767.3	1765.2	1766.3	1779.7	1796.3
27.5°	1802.5	1806.6	1793.2	1779.7	1782.8	1781.8	1784.9	1788.0	1798.3	1814.9
30°	1834.5	1837.6	1826.2	1812.8	1810.7	1803.5	1812.8	1823.1	1834.5	1849.0
32.5°	1887.2	1893.4	1878.9	1864.5	1855.2	1851.0	1858.3	1875.8	1891.3	1906.8
35°	1975.0	1979.2	1965.7	1938.9	1922.3	1922.3	1928.5	1951.3	1976.1	1995.7
37.5°	2099.1	2104.2	2080.5	2048.4	2023.6	2023.6	2031.9	2055.7	2092.9	2120.8
40°	2250.0	2257.2	2227.2	2194.2	2170.4	2166.3	2176.6	2203.5	2238.6	2273.7
42.5°	2431.9	2440.1	2400.9	2371.9	2353.3	2353.3	2358.5	2383.3	2415.3	2458.7
45°	2664.4	2678.9	2625.1	2596.2	2578.6	2582.8	2585.9	2607.6	2636.5	2686.1
47.5°	2941.4	2955.9	2899.0	2869.0	2865.9	2885.6	2873.2	2888.7	2904.2	2961.0
50°	3255.6	3280.4	3241.1	3239.0	3245.2	3281.4	3252.5	3260.7	3243.2	3279.3
52.5°	3640.0	3676.2	3669.0	3681.4	3750.6	3825.0	3758.9	3730.0	3663.8	3675.2
55°	4106.2	4160.9	4171.3	4245.7	4402.8	4554.7	4414.1	4297.4	4156.8	4131.0
57.5°	4636.4	4679.8	4729.4	4881.3	5174.8	5444.6	5174.8	4916.4	4695.3	4642.6
60°	5206.9	5260.6	5308.1	5532.4	5968.6	6347.9	5960.3	5550.0	5257.5	5186.2
62.5°	5819.7	5889.0	5922.0	6171.1	6679.6	7132.3	6686.9	6189.7	5865.2	5788.7
65°	6407.8	6464.6	6501.9	6767.5	7253.2	7706.9	7286.3	6796.4	6462.6	6362.3
67.5°	6681.7	6712.7	6803.6	7104.4	7617.0	8134.8	7703.8	7136.4	6763.3	6587.6
70°	6280.7	6217.6	6436.7	6918.4	7660.4	8397.3	7759.6	6903.9	6447.1	6161.8
72.5°	4853.4	4744.9	5125.2	5948.9	7164.3	8229.9	7213.9	5995.4	5361.9	4783.1
75°	2640.6	2517.6	3042.7	4084.5	5713.3	7133.3	5844.5	4201.2	3387.9	2621.0
77.5°	745.2	698.7	1122.4	1976.1	3436.4	5008.4	3568.7	2019.5	1331.2	789.6
80°	228.4	221.2	299.7	595.3	1459.3	2398.8	1402.5	602.5	381.4	240.8
82.5°	135.4	124.0	148.8	217.0	372.1	753.4	361.7	226.3	181.9	122.0
85°	77.5	72.3	87.8	105.4	125.1	160.2	104.4	107.5	97.2	65.1
87.5°	32.0	28.9	34.1	33.1	28.9	37.2	27.9	33.1	39.3	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1813.8
1807.6
1784.9
1760.1
1748.7
1748.7
1755.9
1769.4
1782.8
1789.0
1795.2
1810.7
1845.9
1900.6
1988.5
2110.4
2262.4
2455.6
2684.0
2944.5
3257.6
3636.9
4090.7
4605.3
5124.2
5726.7
6312.7
6589.7
6230.0
4926.8
2791.5
877.5
254.2
132.3
68.2
23.8
0.0

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