

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: P847681

Luminaire Tested: **GLAN-SB3D-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847681
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-SB3D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 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: 19888 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

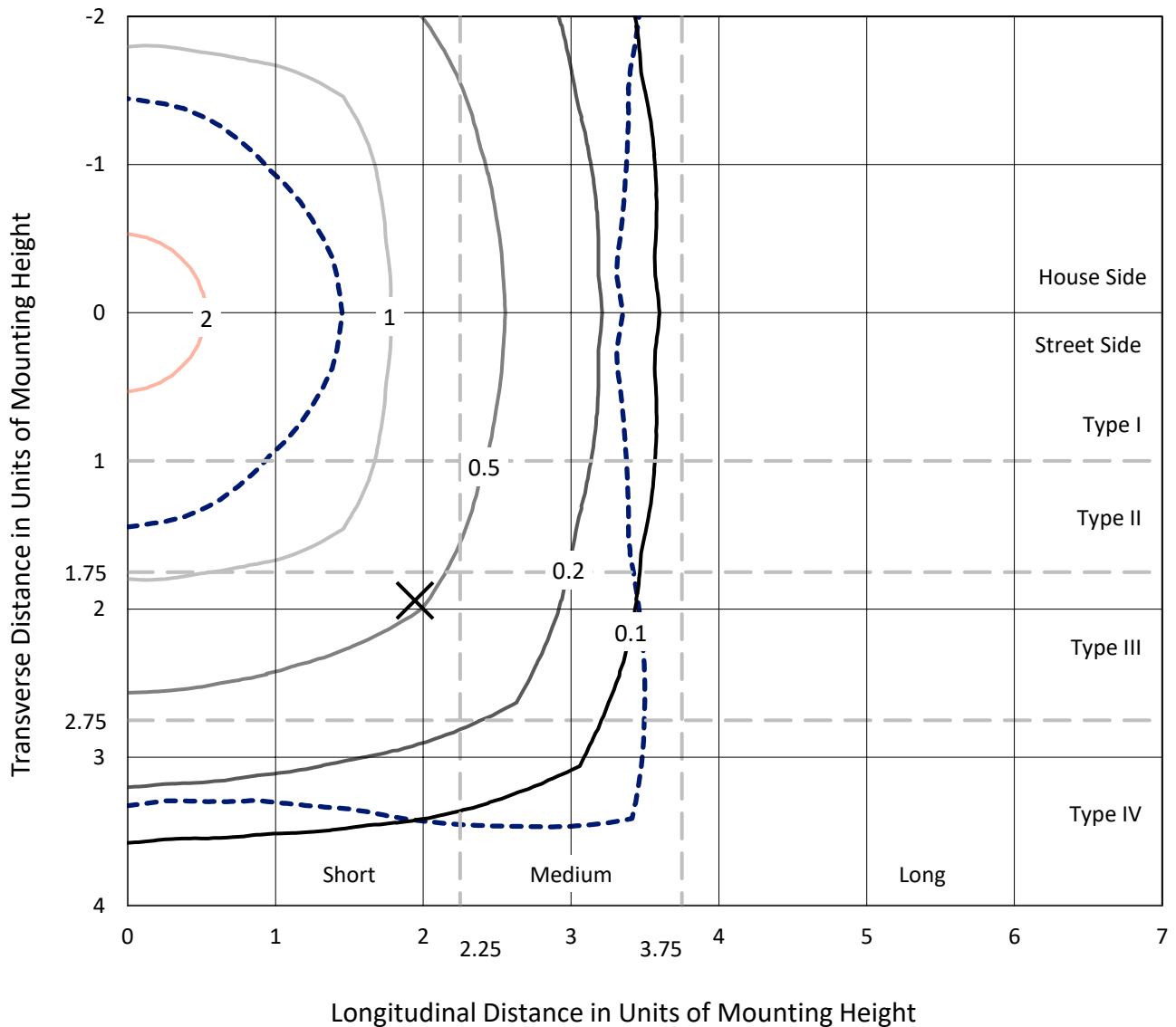
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

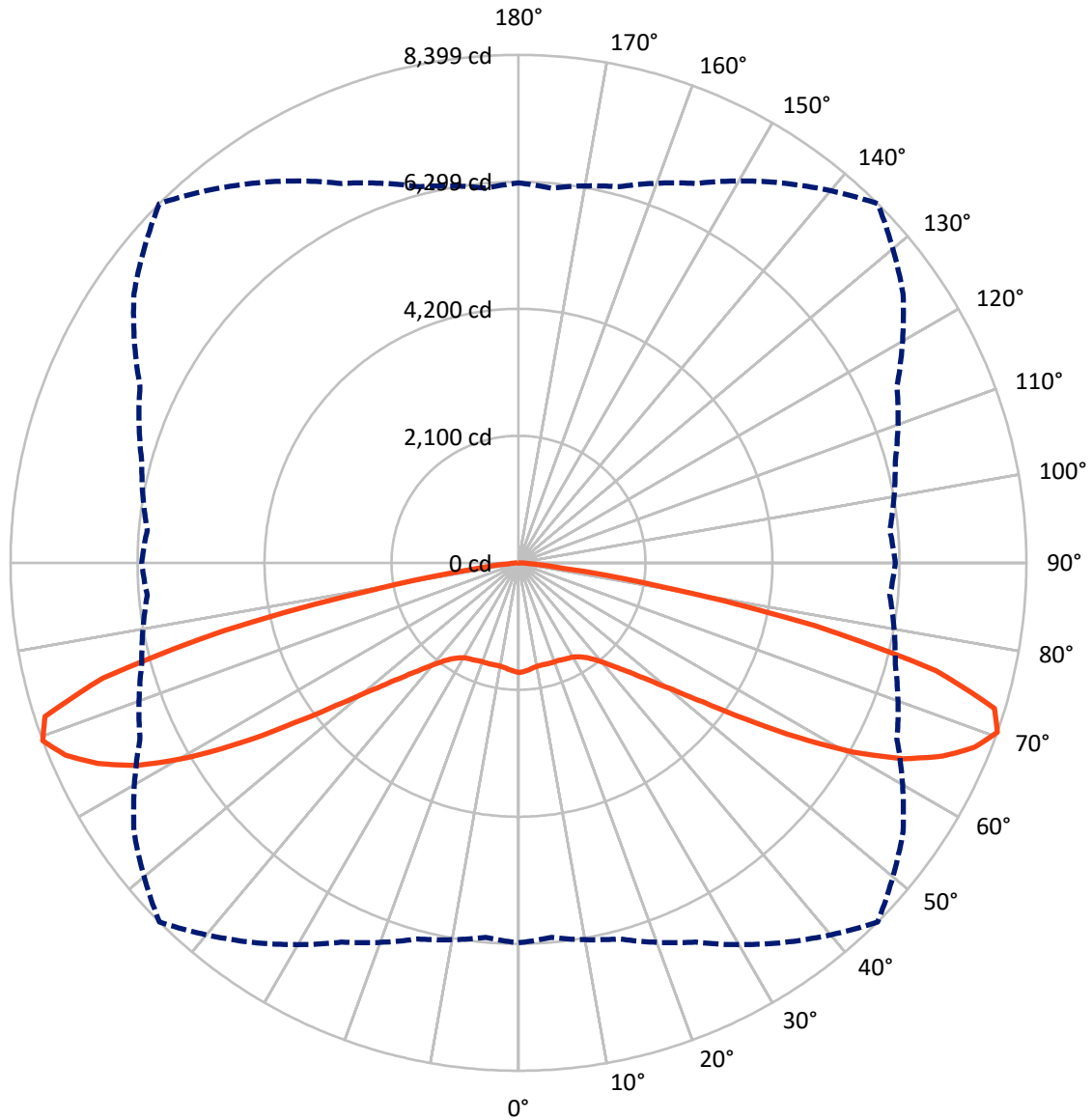
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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
House Side	Lumens	9944.0	0.0	9944.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9944.0	0.0	9944.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19888.0	0.0	19888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	0.8
10°-20°	495.5	2.5
20°-30°	824.6	4.1
30°-40°	1247.1	6.3
40°-50°	2072.4	10.4
50°-60°	3910.5	19.7
60°-70°	6603.0	33.2
70°-80°	4338.8	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°	19888.0	100.0
0°-180°	19888.0	100.0

Coefficient of Utilization



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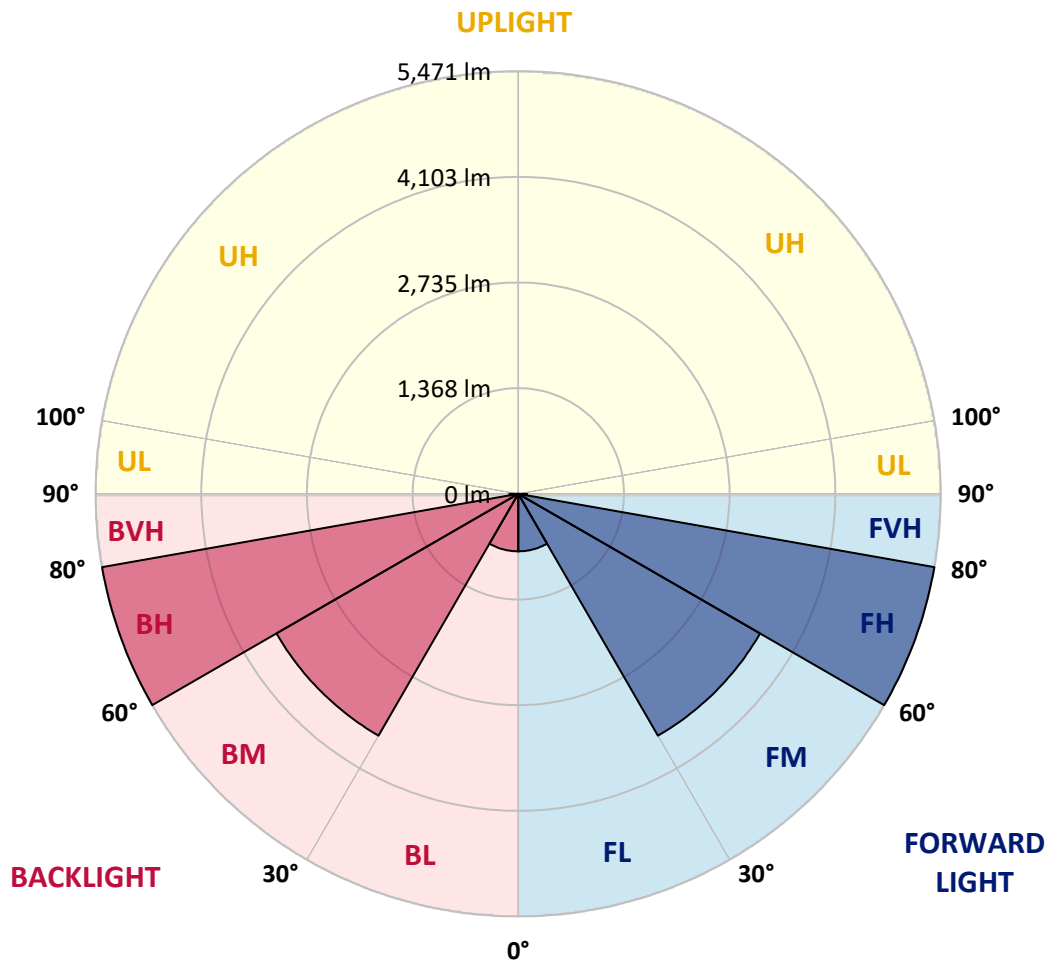
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.5	3.7			
FM (30°-60°)	3615.0	18.2			
FH (60°-80°)	5470.9	27.5			G3/7500
FVH (80°-90°)	113.7	0.6			G2/225
BL (0°-30°)	744.5	3.7	B2/1000		
BM (30°-60°)	3615.0	18.2	B3/5000		
BH (60°-80°)	5470.9	27.5	B5		G3/7500
BVH (80°-90°)	113.7	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°	1814.2	1814.2	1814.2	1814.2	1814.2	1814.2	1814.2	1814.2	1814.2	1814.2
2.5°	1802.8	1808.0	1805.9	1801.8	1801.8	1798.7	1801.8	1803.8	1806.9	1809.0
5°	1779.0	1783.2	1782.1	1779.0	1780.1	1777.0	1779.0	1782.1	1784.2	1785.2
7.5°	1758.4	1762.5	1760.4	1755.3	1755.3	1752.2	1753.2	1756.3	1759.4	1760.4
10°	1753.2	1757.3	1751.1	1742.9	1739.8	1735.6	1736.7	1739.8	1746.0	1749.1
12.5°	1755.3	1758.4	1752.2	1739.8	1736.7	1732.5	1732.5	1735.6	1743.9	1748.0
15°	1761.5	1764.6	1755.3	1741.8	1738.7	1735.6	1734.6	1738.7	1748.0	1755.3
17.5°	1772.8	1775.9	1761.5	1742.9	1738.7	1739.8	1738.7	1741.8	1756.3	1769.7
20°	1783.2	1785.2	1765.6	1742.9	1738.7	1739.8	1738.7	1744.9	1763.5	1782.1
22.5°	1786.3	1788.3	1769.7	1750.1	1747.0	1748.0	1747.0	1753.2	1770.8	1789.4
25°	1787.3	1790.4	1775.9	1760.4	1765.6	1767.7	1765.6	1766.6	1780.1	1796.6
27.5°	1802.8	1806.9	1793.5	1780.1	1783.2	1782.1	1785.2	1788.3	1798.7	1815.2
30°	1834.9	1838.0	1826.6	1813.2	1811.1	1803.8	1813.2	1823.5	1834.9	1849.3
32.5°	1887.6	1893.8	1879.3	1864.8	1855.5	1851.4	1858.6	1876.2	1891.7	1907.2
35°	1975.4	1979.6	1966.1	1939.3	1922.7	1922.7	1928.9	1951.7	1976.5	1996.1
37.5°	2099.5	2104.7	2080.9	2048.8	2024.0	2024.0	2032.3	2056.1	2093.3	2121.2
40°	2250.4	2257.7	2227.7	2194.6	2170.8	2166.7	2177.0	2203.9	2239.0	2274.2
42.5°	2432.4	2440.6	2401.3	2372.4	2353.8	2353.8	2359.0	2383.8	2415.8	2459.2
45°	2664.9	2679.4	2625.7	2596.7	2579.1	2583.3	2586.4	2608.1	2637.0	2686.6
47.5°	2942.0	2956.5	2899.6	2869.6	2866.5	2886.2	2873.8	2889.3	2904.8	2961.6
50°	3256.2	3281.0	3241.8	3239.7	3245.9	3282.1	3253.1	3261.4	3243.8	3280.0
52.5°	3640.8	3677.0	3669.7	3682.1	3751.4	3825.8	3759.7	3730.7	3664.6	3675.9
55°	4107.0	4161.8	4172.1	4246.5	4403.7	4555.6	4415.0	4298.2	4157.6	4131.8
57.5°	4637.3	4680.7	4730.3	4882.3	5175.9	5445.7	5175.9	4917.4	4696.2	4643.5
60°	5207.9	5261.7	5309.2	5533.5	5969.8	6349.1	5961.5	5551.1	5258.6	5187.2
62.5°	5820.9	5890.2	5923.2	6172.4	6681.0	7133.7	6688.2	6191.0	5866.4	5789.9
65°	6409.1	6465.9	6503.2	6768.8	7254.7	7708.5	7287.8	6797.8	6463.9	6363.6
67.5°	6683.0	6714.0	6805.0	7105.8	7618.5	8136.4	7705.4	7137.9	6764.7	6589.0
70°	6281.9	6218.9	6438.0	6919.7	7662.0	8399.0	7761.2	6905.3	6448.4	6163.1
72.5°	4854.4	4745.8	5126.2	5950.1	7165.8	8231.5	7215.4	5996.6	5363.0	4784.1
75°	2641.2	2518.2	3043.3	4085.3	5714.4	7134.8	5845.7	4202.1	3388.5	2621.5
77.5°	745.3	698.8	1122.6	1976.5	3437.1	5009.4	3569.4	2019.9	1331.4	789.8
80°	228.5	221.2	299.8	595.4	1459.6	2399.3	1402.8	602.7	381.4	240.9
82.5°	135.4	124.0	148.9	217.1	372.1	753.6	361.8	226.4	181.9	122.0
85°	77.5	72.4	87.9	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°
1814.2
1808.0
1785.2
1760.4
1749.1
1749.1
1756.3
1769.7
1783.2
1789.4
1795.6
1811.1
1846.2
1901.0
1988.9
2110.9
2262.8
2456.1
2684.6
2945.1
3258.3
3637.7
4091.5
4606.3
5125.2
5727.9
6314.0
6591.0
6231.3
4927.8
2792.1
877.6
254.3
132.3
68.2
23.8
0.0

OF REPORT)