

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: P846404

Luminaire Tested: **GLAN-SB2A-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8709 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

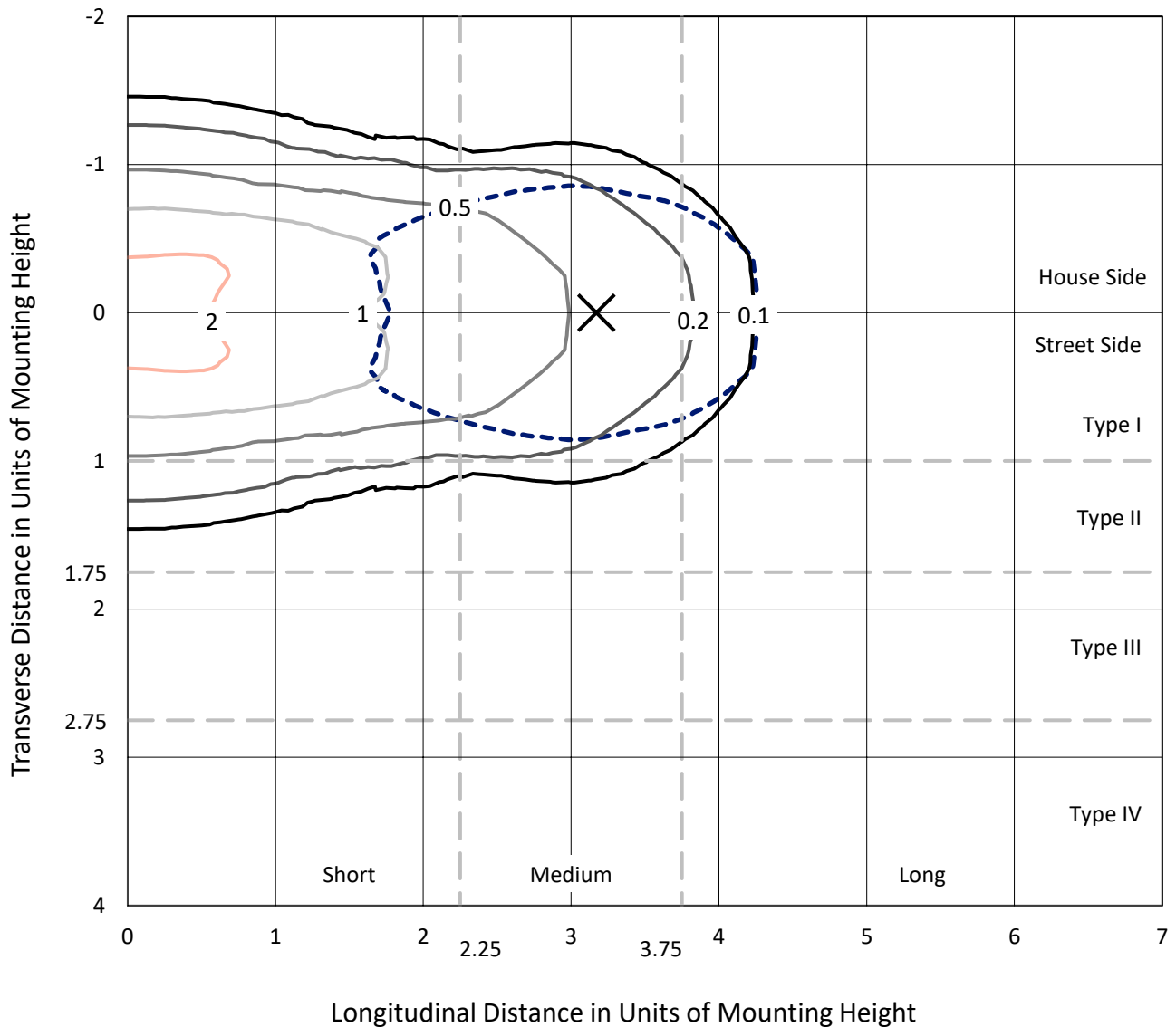
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

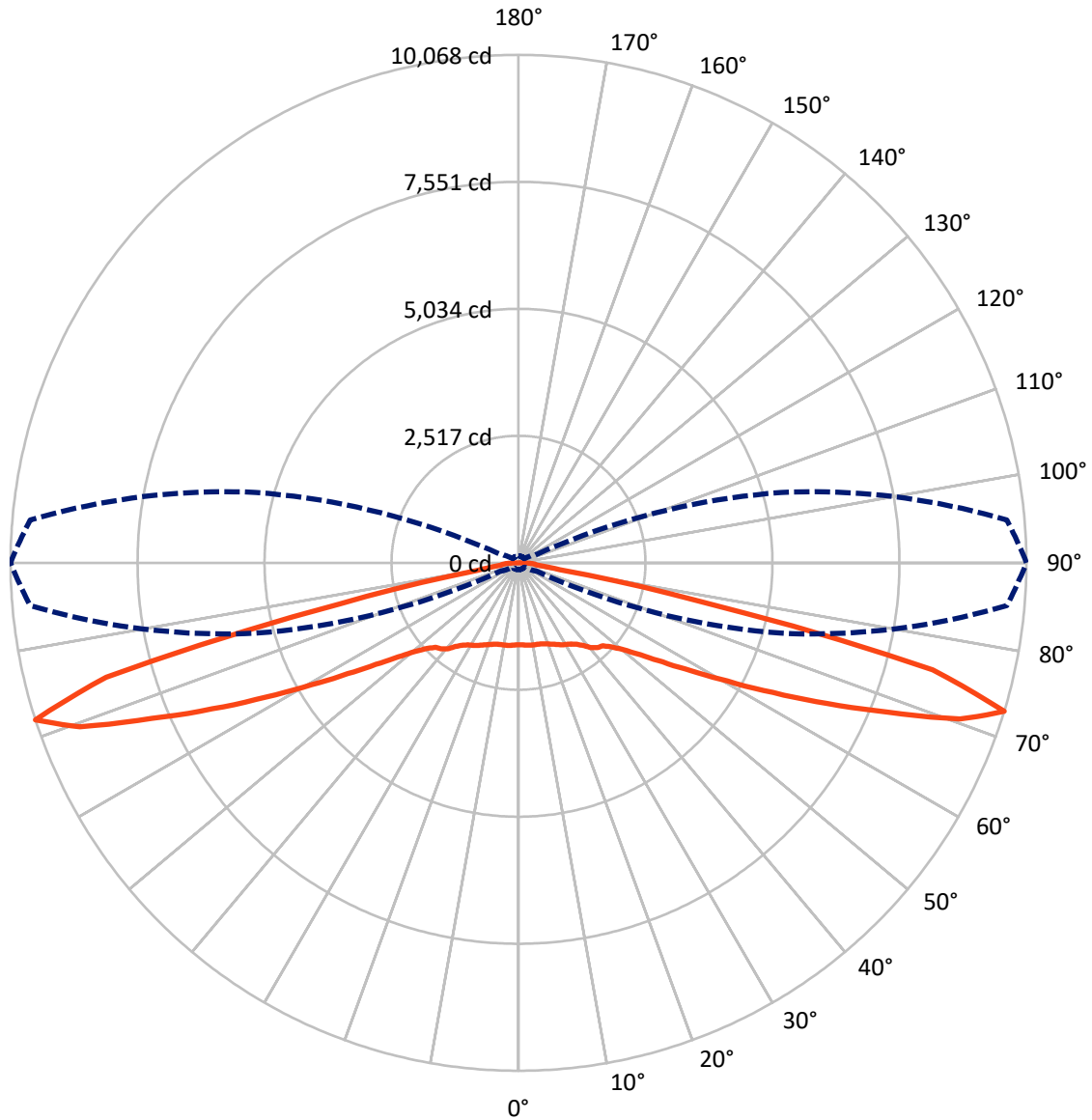
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.5	0.0	4354.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4354.5	0.0	4354.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8709.0	0.0	8709.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	1.8
10°-20°	482.5	5.5
20°-30°	804.5	9.2
30°-40°	1106.4	12.7
40°-50°	1351.2	15.5
50°-60°	1562.8	17.9
60°-70°	1863.4	21.4
70°-80°	1300.5	14.9
80°-90°	79.9	0.9
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°	8709.0	100.0
0°-180°	8709.0	100.0

Coefficient of Utilization



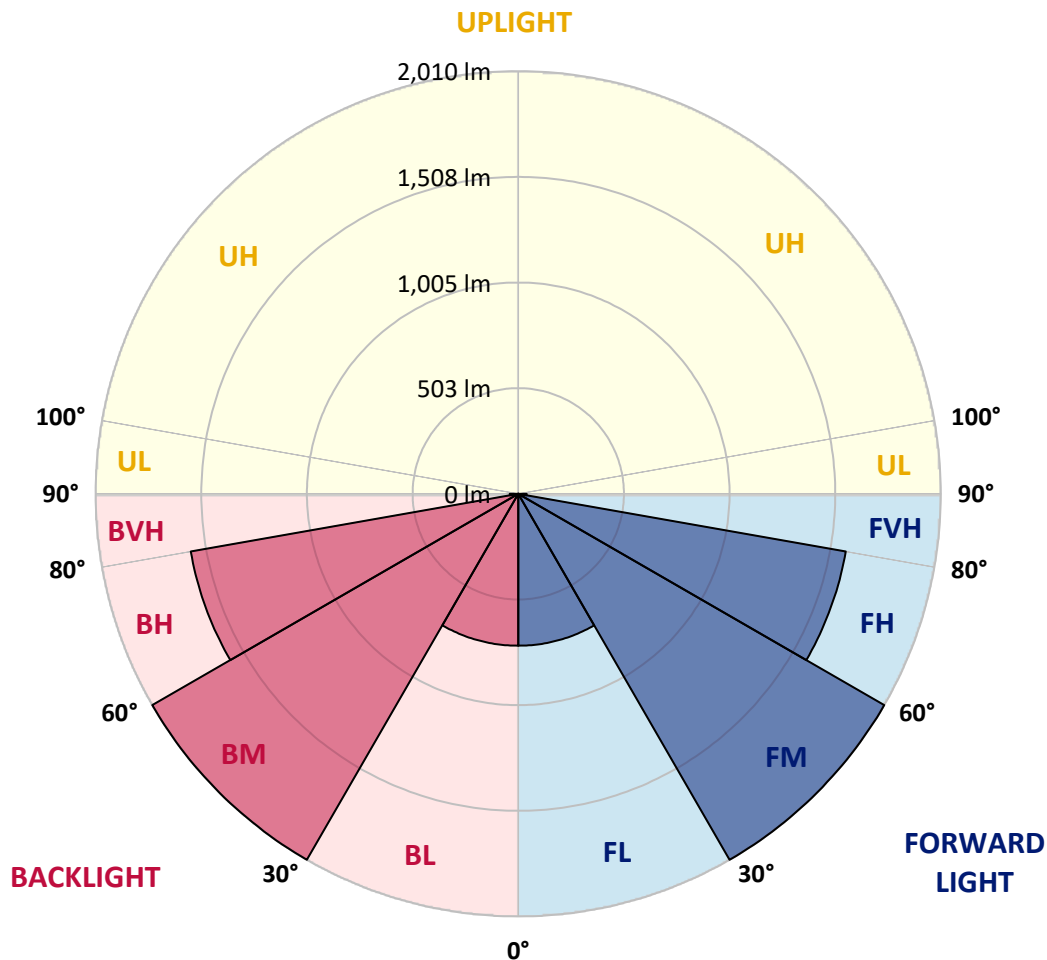
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	722.4	8.3			
FM (30°-60°)	2010.2	23.1			
FH (60°-80°)	1582.0	18.2			G1/1800
FVH (80°-90°)	39.9	0.5			G1/100
BL (0°-30°)	722.4	8.3	B2/1000		
BM (30°-60°)	2010.2	23.1	B2/2500		
BH (60°-80°)	1582.0	18.2	B3/2500		G3/2500
BVH (80°-90°)	39.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1627.4	1627.4	1627.4	1627.4	1627.4	1627.4	1627.4	1627.4	1627.4	1627.4
2.5°	1628.8	1630.6	1630.6	1629.2	1632.5	1629.7	1629.7	1628.3	1629.7	1628.3
5°	1637.1	1639.4	1640.3	1639.9	1644.0	1641.7	1641.7	1639.9	1640.3	1638.9
7.5°	1652.8	1656.1	1657.9	1660.2	1666.2	1663.5	1661.6	1656.1	1653.8	1650.0
10°	1657.9	1661.6	1667.6	1679.7	1693.6	1694.0	1688.5	1674.6	1663.9	1655.6
12.5°	1642.2	1647.3	1659.8	1684.3	1715.3	1727.8	1719.0	1695.9	1675.0	1660.2
15°	1622.3	1627.8	1646.8	1683.8	1729.7	1758.8	1757.9	1727.3	1694.0	1670.9
17.5°	1591.3	1596.8	1624.1	1676.0	1740.8	1788.9	1801.9	1770.4	1723.6	1692.6
20°	1535.3	1540.4	1578.3	1651.0	1744.5	1820.8	1854.6	1826.9	1768.5	1726.4
22.5°	1462.6	1470.5	1514.9	1607.9	1735.7	1854.2	1914.8	1895.8	1820.8	1762.5
25°	1384.8	1393.2	1445.0	1555.2	1713.0	1878.2	1986.1	1974.0	1880.1	1807.4
27.5°	1317.7	1326.5	1383.0	1502.9	1677.8	1887.5	2056.4	2062.4	1951.8	1856.9
30°	1265.0	1273.3	1333.5	1460.7	1632.5	1878.2	2118.0	2159.6	2025.0	1900.0
32.5°	1207.1	1217.7	1281.2	1409.4	1578.8	1856.0	2171.7	2264.7	2109.7	1946.3
35°	1134.0	1143.7	1210.3	1339.0	1508.4	1820.4	2216.6	2381.3	2230.9	2016.6
37.5°	1045.1	1054.4	1120.6	1251.1	1438.5	1770.4	2250.8	2512.8	2375.3	2118.0
40°	955.8	964.6	1026.6	1153.0	1354.8	1706.5	2262.9	2641.5	2541.0	2257.3
42.5°	873.9	881.7	938.7	1056.2	1260.8	1625.1	2247.1	2753.5	2689.6	2354.5
45°	798.4	805.4	855.8	965.5	1163.1	1526.0	2199.9	2873.8	2866.4	2423.9
47.5°	712.3	719.3	771.6	877.6	1065.5	1409.8	2119.8	2992.3	3112.2	2581.3
50°	607.3	613.3	667.0	776.2	964.1	1286.3	2008.8	3085.3	3422.3	2819.7
52.5°	482.7	489.2	541.5	650.8	843.8	1153.4	1862.5	3146.0	3780.5	3167.7
55°	359.2	363.8	409.2	507.3	694.7	1002.1	1679.2	3163.1	4186.9	3643.5
57.5°	260.6	263.4	292.5	365.6	526.7	812.8	1456.6	3118.7	4670.6	4253.6
60°	211.1	212.0	220.8	253.2	366.1	598.9	1187.7	2965.9	5195.5	5039.9
62.5°	191.6	191.6	193.9	202.7	247.6	395.3	862.3	2649.3	5758.3	6033.7
65°	178.2	178.2	179.1	183.3	195.3	251.8	544.3	2133.7	6232.7	7197.7
67.5°	166.2	166.6	166.2	167.6	174.5	186.1	315.7	1473.7	6488.2	8403.9
70°	153.7	154.6	152.3	152.3	157.8	158.3	197.6	808.1	6276.2	9414.8
72.5°	138.9	140.2	136.5	135.6	139.8	137.9	148.6	387.9	5388.5	9716.5
75°	125.9	127.7	119.4	117.1	117.1	115.7	120.8	199.0	3497.3	7926.2
77.5°	114.3	118.0	104.6	97.2	95.3	91.2	98.6	121.7	1529.7	3721.3
80°	94.4	99.5	86.1	77.3	74.1	69.4	77.8	85.2	455.0	864.1
82.5°	70.4	72.7	61.1	55.1	52.3	49.1	58.3	59.2	148.1	305.9
85°	44.9	45.8	37.5	32.4	31.0	29.6	37.0	32.4	56.5	224.9
87.5°	15.7	18.1	14.3	13.0	13.9	11.6	17.1	9.7	15.7	158.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1627.4
1628.3
1638.9
1650.0
1654.2
1657.9
1667.2
1687.5
1718.5
1751.9
1792.6
1841.2
1877.3
1917.6
1984.7
2075.4
2211.9
2296.2
2345.2
2490.6
2705.8
3027.5
3468.1
4032.8
4761.8
5661.1
6726.5
7895.2
9281.0
10068.3
8478.0
3644.0
827.6
345.7
326.8
196.7
0.0

OF REPORT)