

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: P846394

Luminaire Tested: **GLAN-SB2A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846394
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8573 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

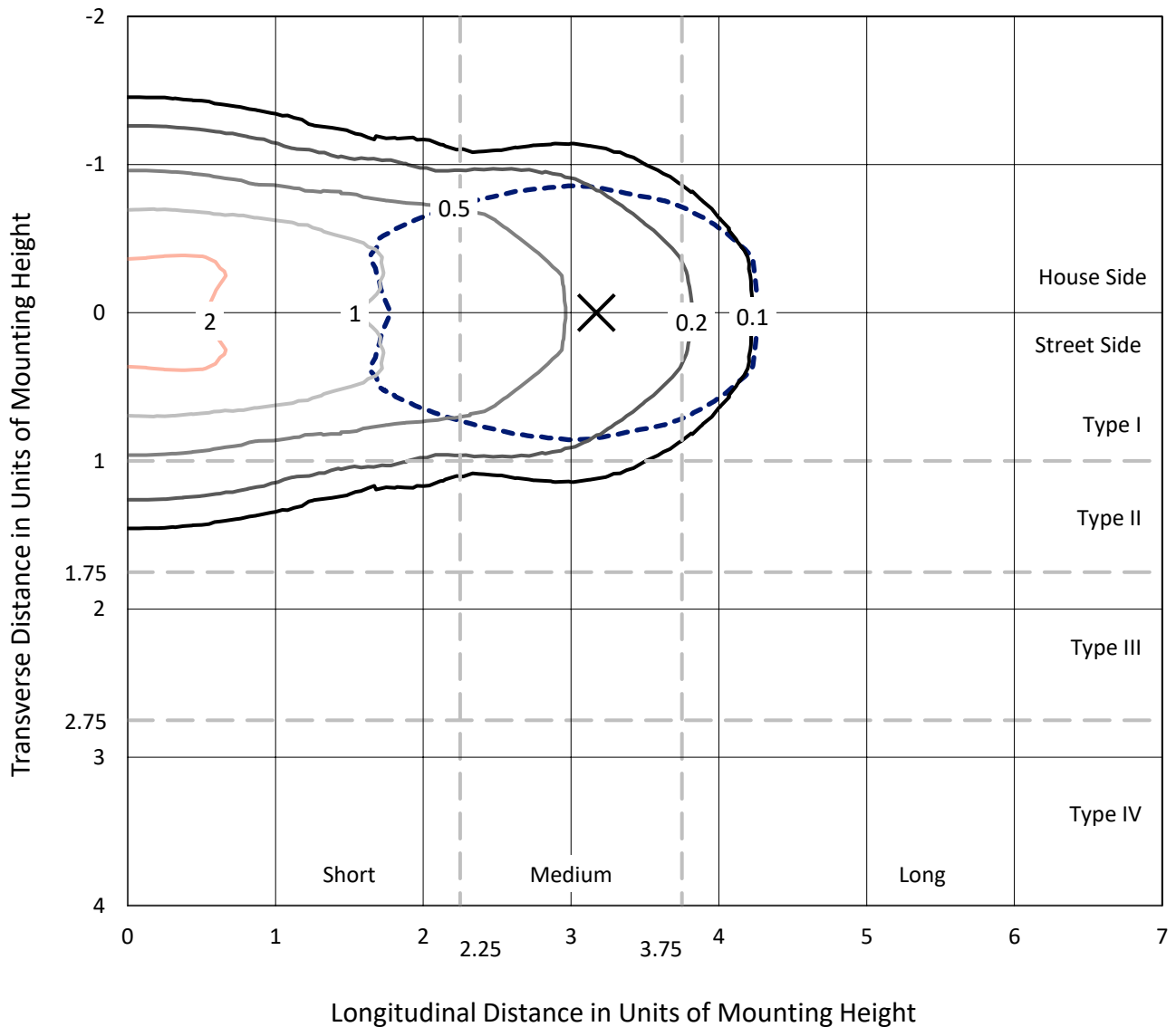
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

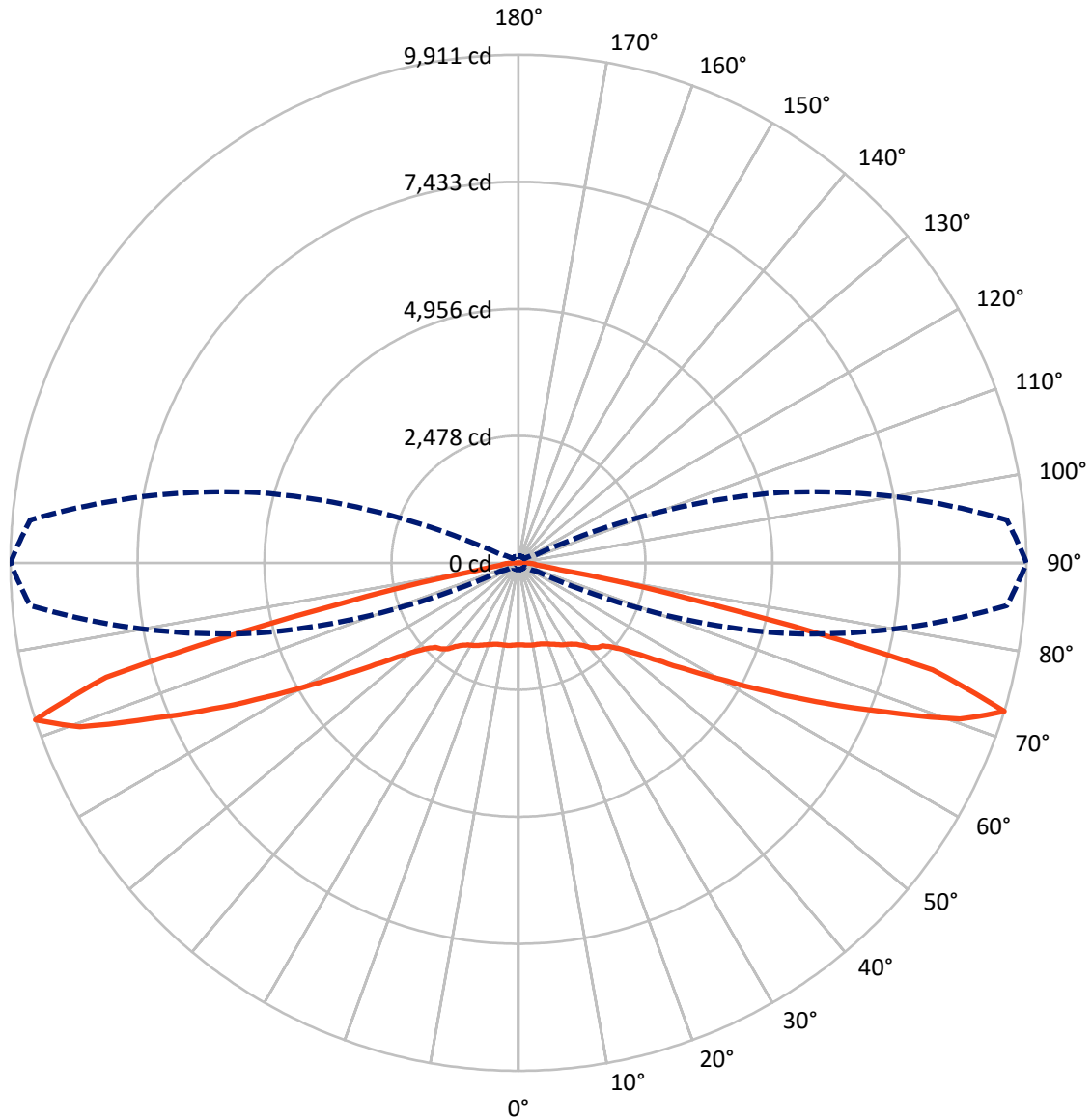
× Max cd
 - - - 1/2 Max cd



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	4286.5	0.0	4286.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4286.5	0.0	4286.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8573.0	0.0	8573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	1.8
10°-20°	474.9	5.5
20°-30°	791.9	9.2
30°-40°	1089.1	12.7
40°-50°	1330.1	15.5
50°-60°	1538.4	17.9
60°-70°	1834.3	21.4
70°-80°	1280.2	14.9
80°-90°	78.6	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°	8573.0	100.0
0°-180°	8573.0	100.0

Coefficient of Utilization



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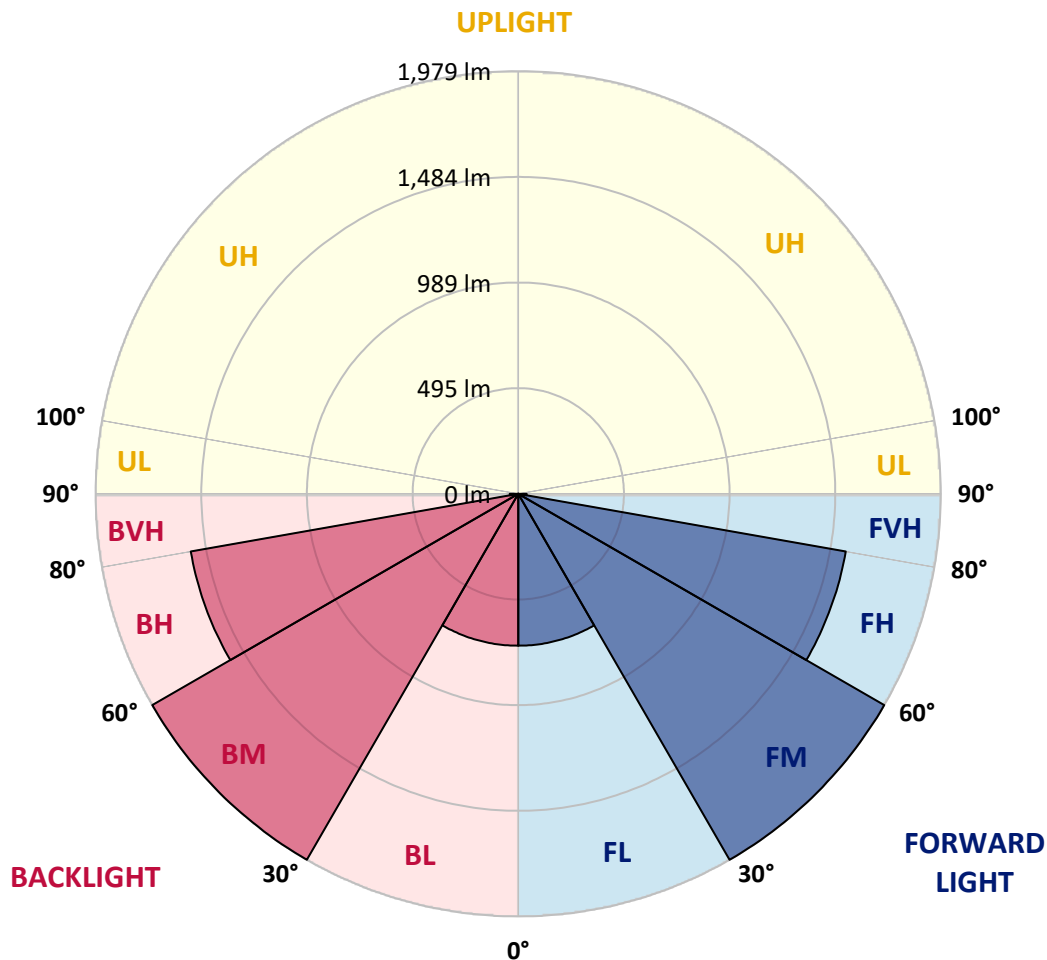
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.1	8.3			
FM (30°-60°)	1978.8	23.1			
FH (60°-80°)	1557.3	18.2			G1/1800
FVH (80°-90°)	39.3	0.5			G1/100
BL (0°-30°)	711.1	8.3	B2/1000		
BM (30°-60°)	1978.8	23.1	B2/2500		
BH (60°-80°)	1557.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	39.3	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°	1602.0	1602.0	1602.0	1602.0	1602.0	1602.0	1602.0	1602.0	1602.0	1602.0
2.5°	1603.3	1605.1	1605.1	1603.8	1607.0	1604.2	1604.2	1602.9	1604.2	1602.9
5°	1611.5	1613.8	1614.7	1614.3	1618.4	1616.1	1616.1	1614.3	1614.7	1613.3
7.5°	1627.0	1630.2	1632.0	1634.3	1640.2	1637.5	1635.7	1630.2	1627.9	1624.3
10°	1632.0	1635.7	1641.6	1653.4	1667.1	1667.6	1662.1	1648.4	1637.9	1629.7
12.5°	1616.5	1621.5	1633.8	1658.0	1688.5	1700.8	1692.2	1669.4	1648.9	1634.3
15°	1596.9	1602.4	1621.1	1657.5	1702.6	1731.4	1730.4	1700.4	1667.6	1644.8
17.5°	1566.4	1571.9	1598.8	1649.8	1713.6	1761.0	1773.7	1742.7	1696.7	1666.2
20°	1511.3	1516.3	1553.7	1625.2	1717.2	1792.4	1825.7	1798.3	1740.9	1699.5
22.5°	1439.8	1447.5	1491.2	1582.8	1708.6	1825.2	1884.9	1866.2	1792.4	1735.0
25°	1363.2	1371.4	1422.4	1530.9	1686.2	1848.9	1955.1	1943.2	1850.7	1779.2
27.5°	1297.1	1305.8	1361.4	1479.4	1651.6	1858.0	2024.3	2030.2	1921.3	1827.9
30°	1245.2	1253.4	1312.6	1437.9	1607.0	1848.9	2084.9	2125.9	1993.3	1870.3
32.5°	1188.3	1198.7	1261.2	1387.4	1554.1	1827.0	2137.8	2229.3	2076.7	1915.9
35°	1116.3	1125.8	1191.4	1318.1	1484.9	1791.9	2182.0	2344.2	2196.1	1985.1
37.5°	1028.8	1037.9	1103.1	1231.5	1416.1	1742.7	2215.7	2473.6	2338.2	2084.9
40°	940.9	949.5	1010.6	1134.9	1333.6	1679.9	2227.5	2600.2	2501.3	2222.1
42.5°	860.2	868.0	924.0	1039.7	1241.1	1599.7	2212.0	2710.5	2647.6	2317.7
45°	785.9	792.8	842.4	950.4	1145.0	1502.2	2165.6	2828.9	2821.6	2386.1
47.5°	701.2	708.0	759.5	863.9	1048.8	1387.8	2086.7	2945.6	3063.6	2541.0
50°	597.8	603.7	656.5	764.1	949.1	1266.2	1977.4	3037.2	3368.8	2775.6
52.5°	475.2	481.6	533.1	640.6	830.6	1135.4	1833.4	3096.8	3721.5	3118.3
55°	353.6	358.1	402.8	499.4	683.9	986.4	1653.0	3113.7	4121.5	3586.6
57.5°	256.5	259.2	288.0	359.9	518.5	800.1	1433.8	3070.0	4597.6	4187.1
60°	207.8	208.7	217.3	249.2	360.4	589.6	1169.1	2919.6	5114.3	4961.2
62.5°	188.6	188.6	190.9	199.6	243.8	389.1	848.8	2608.0	5668.4	5939.4
65°	175.4	175.4	176.3	180.4	192.3	247.9	535.8	2100.4	6135.4	7085.3
67.5°	163.6	164.0	163.6	164.9	171.8	183.2	310.7	1450.7	6386.9	8272.7
70°	151.3	152.2	149.9	149.9	155.4	155.8	194.5	795.5	6178.2	9267.7
72.5°	136.7	138.1	134.4	133.5	137.6	135.8	146.3	381.8	5304.3	9564.8
75°	123.9	125.8	117.5	115.3	115.3	113.9	118.9	195.9	3442.7	7802.5
77.5°	112.5	116.2	103.0	95.7	93.9	89.8	97.0	119.8	1505.8	3663.2
80°	92.9	98.0	84.7	76.1	72.9	68.3	76.5	83.8	447.9	850.6
82.5°	69.3	71.5	60.1	54.2	51.5	48.3	57.4	58.3	145.8	301.2
85°	44.2	45.1	36.9	31.9	30.5	29.2	36.4	31.9	55.6	221.4
87.5°	15.5	17.8	14.1	12.8	13.7	11.4	16.9	9.6	15.5	156.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1602.0
1602.9
1613.3
1624.3
1628.4
1632.0
1641.1
1661.2
1691.7
1724.5
1764.6
1812.5
1848.0
1887.6
1953.7
2043.0
2177.4
2260.3
2308.6
2451.7
2663.5
2980.2
3414.0
3969.8
4687.4
5572.7
6621.5
7771.9
9136.1
9911.1
8345.6
3587.1
814.6
340.3
321.7
193.6
0.0

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