

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: P847761

Luminaire Tested: **GLAN-SB4A-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847761
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-SB4A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17845 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

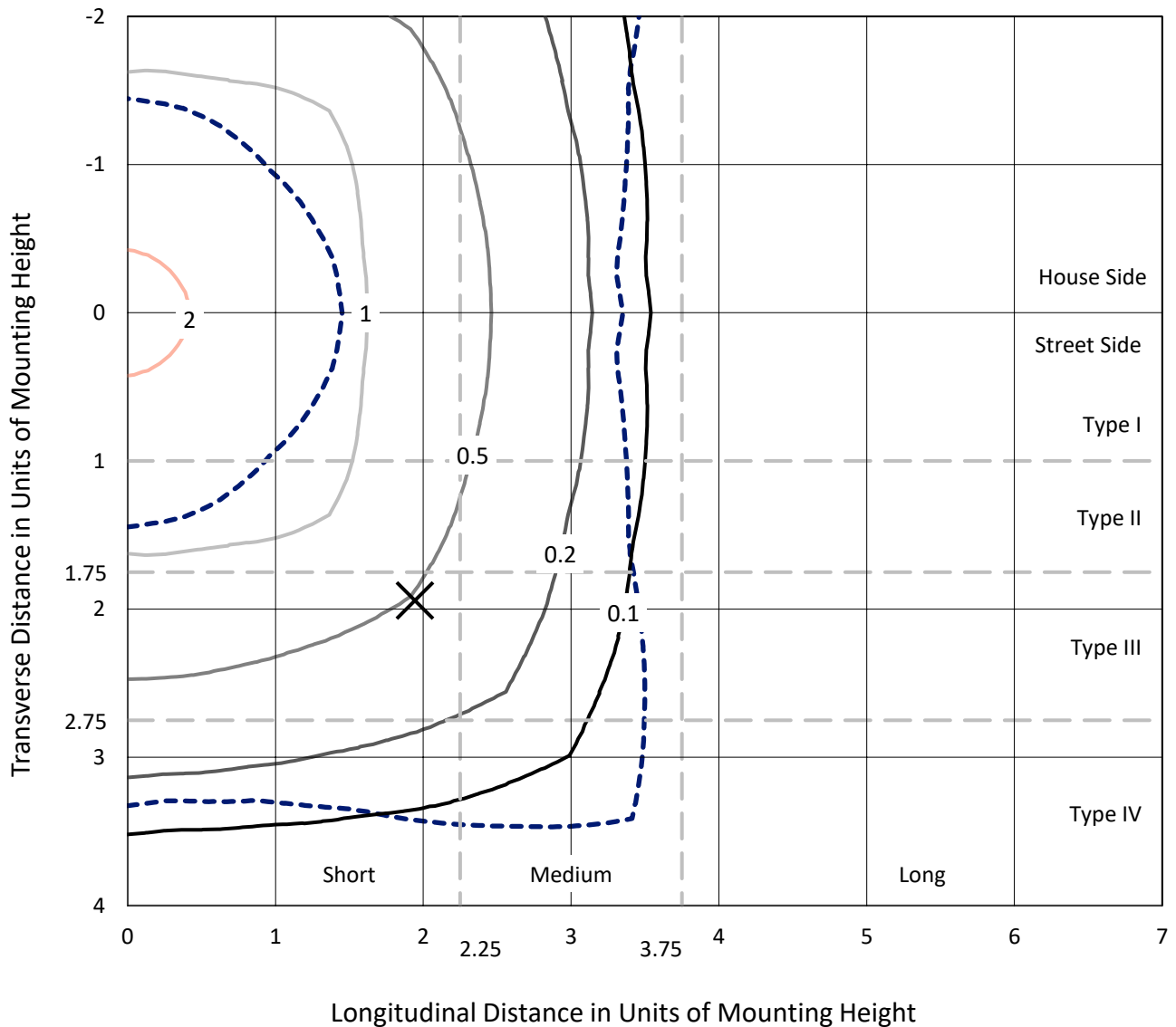
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

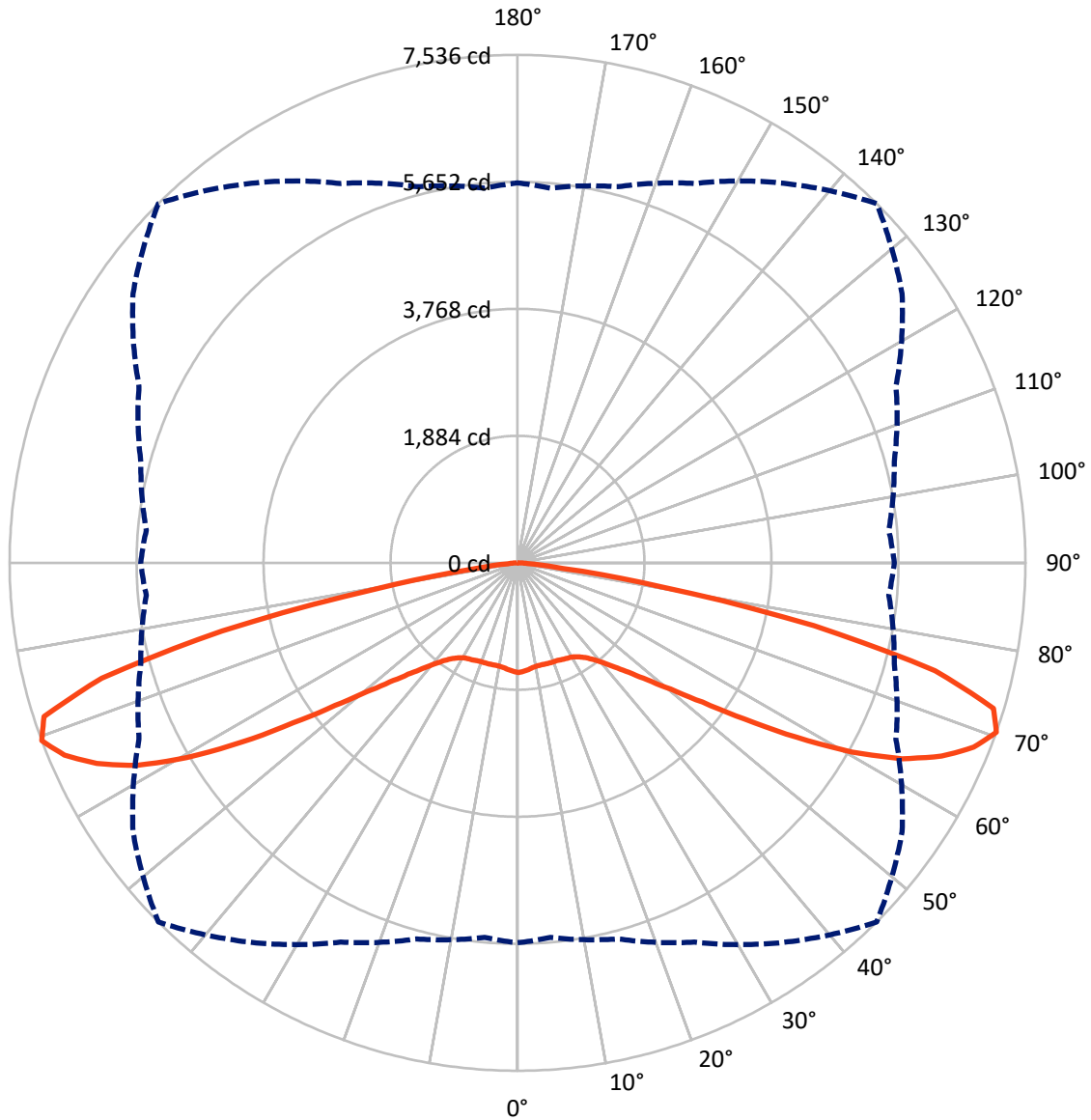
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type 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	8922.5	0.0	8922.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8922.5	0.0	8922.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17845.0	0.0	17845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	0.8
10°-20°	444.6	2.5
20°-30°	739.9	4.1
30°-40°	1119.0	6.3
40°-50°	1859.5	10.4
50°-60°	3508.8	19.7
60°-70°	5924.7	33.2
70°-80°	3893.1	21.8
80°-90°	204.0	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°	17845.0	100.0
0°-180°	17845.0	100.0

Coefficient of Utilization



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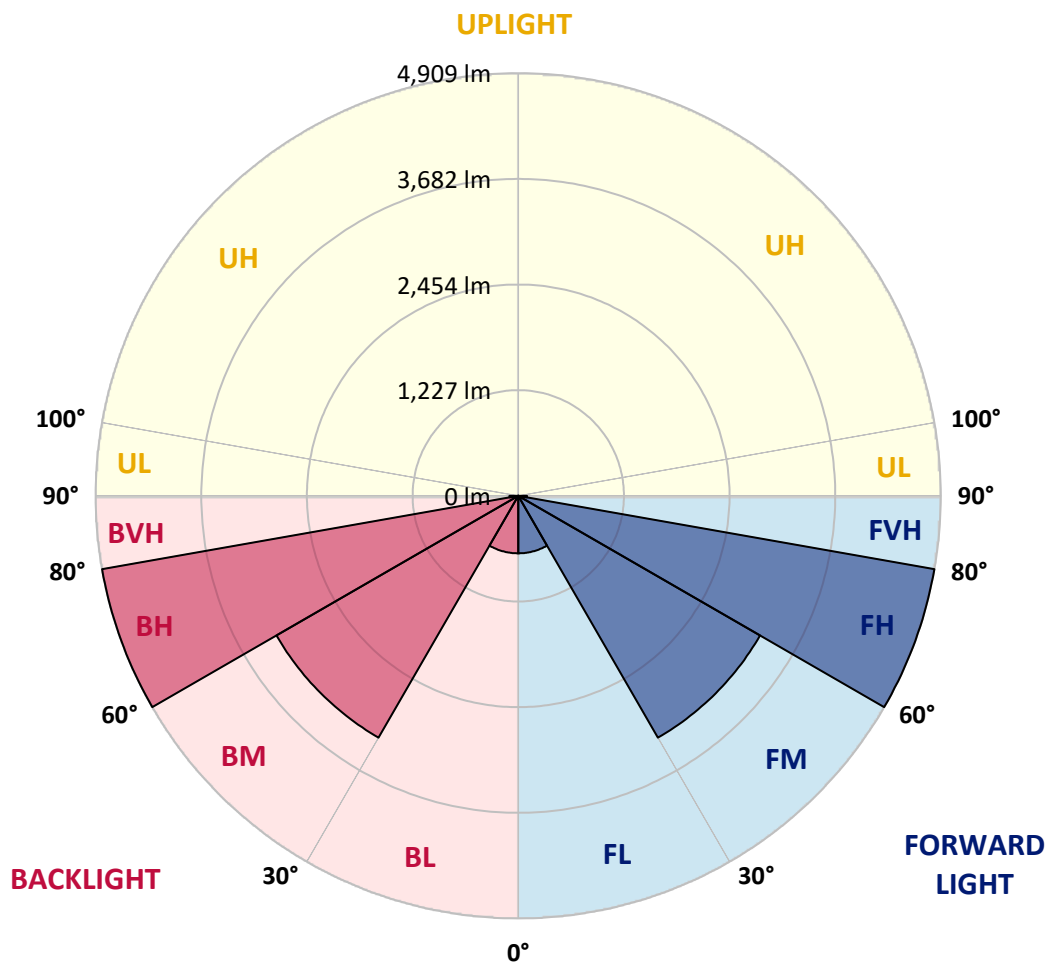
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.0	3.7			
FM (30°-60°)	3243.6	18.2			
FH (60°-80°)	4908.9	27.5			G2/5000
FVH (80°-90°)	102.0	0.6			G2/225
BL (0°-30°)	668.0	3.7	B2/1000		
BM (30°-60°)	3243.6	18.2	B3/5000		
BH (60°-80°)	4908.9	27.5	B4/5000		G2/5000
BVH (80°-90°)	102.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1627.8	1627.8	1627.8	1627.8	1627.8	1627.8	1627.8	1627.8	1627.8	1627.8
2.5°	1617.6	1622.3	1620.4	1616.7	1616.7	1613.9	1616.7	1618.5	1621.3	1623.2
5°	1596.3	1600.0	1599.1	1596.3	1597.2	1594.4	1596.3	1599.1	1600.9	1601.9
7.5°	1577.7	1581.4	1579.6	1575.0	1575.0	1572.2	1573.1	1575.9	1578.7	1579.6
10°	1573.1	1576.8	1571.2	1563.8	1561.0	1557.3	1558.3	1561.0	1566.6	1569.4
12.5°	1575.0	1577.7	1572.2	1561.0	1558.3	1554.5	1554.5	1557.3	1564.8	1568.5
15°	1580.5	1583.3	1575.0	1562.9	1560.1	1557.3	1556.4	1560.1	1568.5	1575.0
17.5°	1590.7	1593.5	1580.5	1563.8	1560.1	1561.0	1560.1	1562.9	1575.9	1587.9
20°	1600.0	1601.9	1584.2	1563.8	1560.1	1561.0	1560.1	1565.7	1582.4	1599.1
22.5°	1602.8	1604.6	1587.9	1570.3	1567.5	1568.5	1567.5	1573.1	1588.9	1605.6
25°	1603.7	1606.5	1593.5	1579.6	1584.2	1586.1	1584.2	1585.2	1597.2	1612.1
27.5°	1617.6	1621.3	1609.3	1597.2	1600.0	1599.1	1601.9	1604.6	1613.9	1628.8
30°	1646.4	1649.2	1639.0	1626.9	1625.0	1618.5	1626.9	1636.2	1646.4	1659.4
32.5°	1693.7	1699.2	1686.3	1673.3	1664.9	1661.2	1667.7	1683.5	1697.4	1711.3
35°	1772.5	1776.2	1764.2	1740.1	1725.2	1725.2	1730.8	1751.2	1773.4	1791.1
37.5°	1883.8	1888.5	1867.1	1838.4	1816.1	1816.1	1823.5	1844.9	1878.3	1903.3
40°	2019.2	2025.7	1998.8	1969.2	1947.8	1944.1	1953.4	1977.5	2009.0	2040.6
42.5°	2182.5	2189.9	2154.7	2128.7	2112.0	2112.0	2116.6	2138.9	2167.6	2206.6
45°	2391.2	2404.2	2355.9	2330.0	2314.2	2317.9	2320.7	2340.2	2366.1	2410.7
47.5°	2639.8	2652.7	2601.7	2574.8	2572.1	2589.7	2578.5	2592.5	2606.4	2657.4
50°	2921.7	2944.0	2908.7	2906.9	2912.5	2944.9	2919.0	2926.4	2910.6	2943.1
52.5°	3266.8	3299.2	3292.7	3303.9	3366.0	3432.8	3373.4	3347.5	3288.1	3298.3
55°	3685.1	3734.3	3743.5	3810.3	3951.3	4087.6	3961.5	3856.7	3730.5	3707.4
57.5°	4160.9	4199.9	4244.4	4380.7	4644.2	4886.3	4644.2	4412.3	4213.8	4166.5
60°	4672.9	4721.2	4763.8	4965.1	5356.5	5696.9	5349.1	4980.9	4718.4	4654.4
62.5°	5222.9	5285.1	5314.8	5538.3	5994.7	6400.9	6001.1	5555.0	5263.8	5195.1
65°	5750.7	5801.7	5835.1	6073.5	6509.4	6916.6	6539.1	6099.5	5799.9	5709.9
67.5°	5996.5	6024.3	6106.0	6375.9	6835.9	7300.6	6913.8	6404.6	6069.8	5912.1
70°	5636.6	5580.0	5776.7	6208.9	6874.9	7536.2	6963.9	6195.9	5786.0	5530.0
72.5°	4355.7	4258.3	4599.6	5338.9	6429.7	7386.0	6474.2	5380.6	4812.0	4292.6
75°	2369.9	2259.5	2730.7	3665.6	5127.4	6401.8	5245.2	3770.4	3040.5	2352.2
77.5°	668.8	627.0	1007.3	1773.4	3084.1	4494.8	3202.8	1812.4	1194.7	708.6
80°	205.0	198.5	269.0	534.3	1309.7	2152.8	1258.7	540.8	342.3	216.1
82.5°	121.5	111.3	133.6	194.8	333.9	676.2	324.6	203.1	163.2	109.4
85°	69.6	64.9	78.8	94.6	112.2	143.8	93.7	96.5	87.2	58.4
87.5°	28.8	26.0	30.6	29.7	26.0	33.4	25.0	29.7	35.2	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1627.8
1622.3
1601.9
1579.6
1569.4
1569.4
1575.9
1587.9
1600.0
1605.6
1611.1
1625.0
1656.6
1705.7
1784.6
1894.0
2030.4
2203.8
2408.8
2642.5
2923.6
3264.0
3671.2
4133.1
4598.7
5139.5
5665.4
5914.0
5591.2
4421.6
2505.3
787.5
228.2
118.7
61.2
21.3
0.0

OF REPORT)