

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: P847751

Luminaire Tested: **GLAN-SB4A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847751
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17566 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

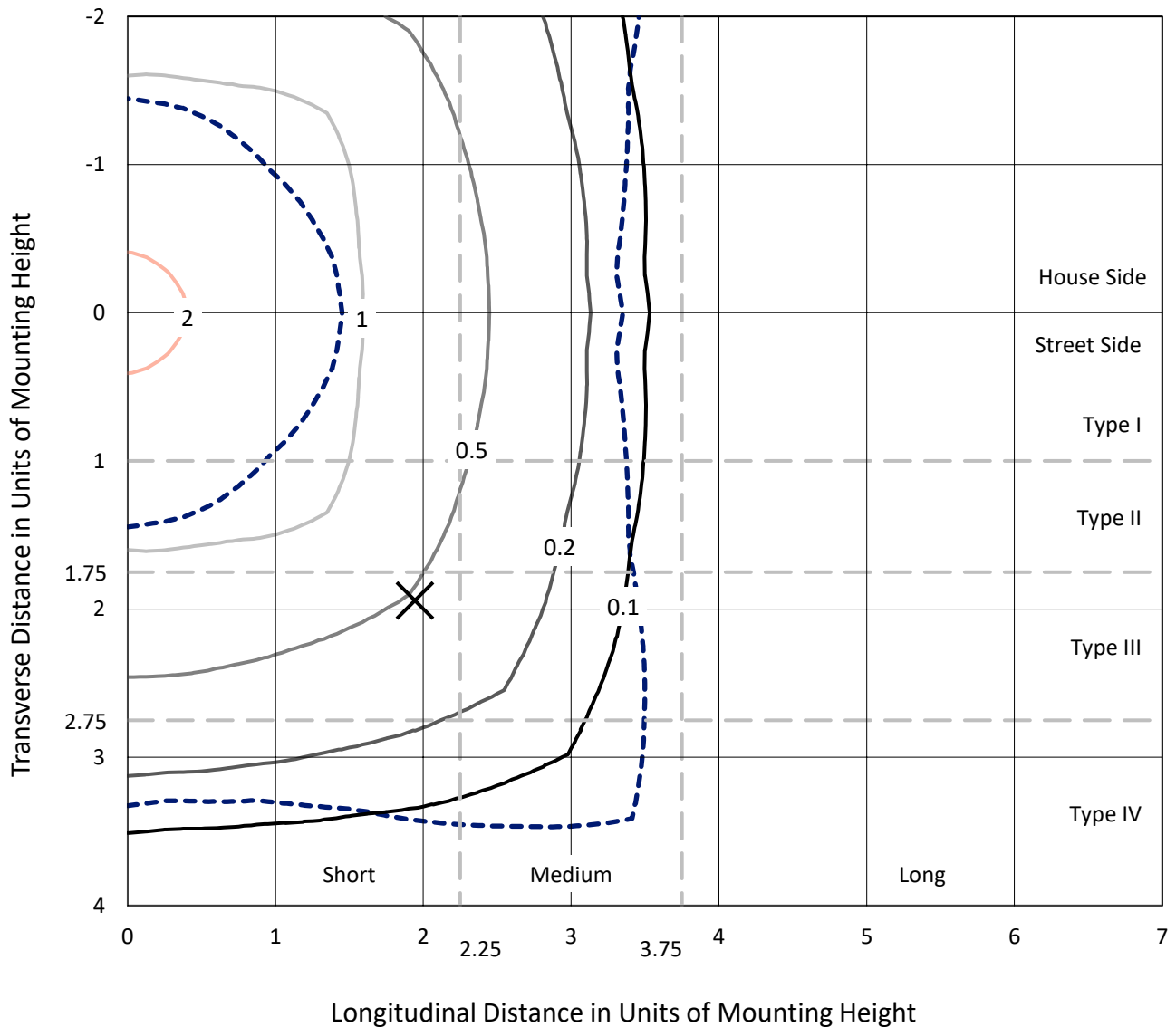
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

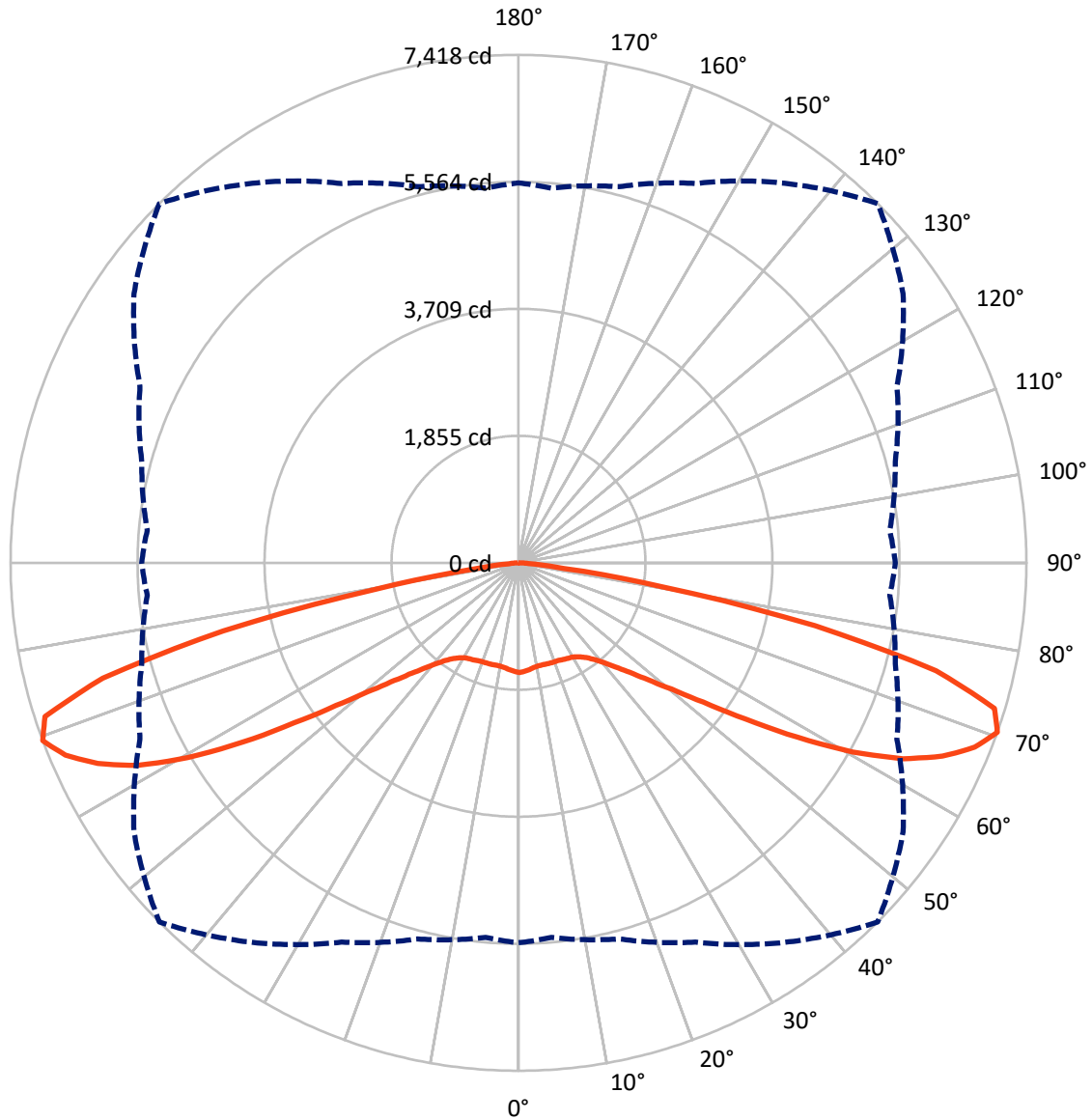
× Max cd
 - - - 1/2 Max cd



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	8783.0	0.0	8783.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8783.0	0.0	8783.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17566.0	0.0	17566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	0.8
10°-20°	437.7	2.5
20°-30°	728.3	4.1
30°-40°	1101.5	6.3
40°-50°	1830.4	10.4
50°-60°	3453.9	19.7
60°-70°	5832.1	33.2
70°-80°	3832.3	21.8
80°-90°	200.8	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°	17566.0	100.0
0°-180°	17566.0	100.0

Coefficient of Utilization



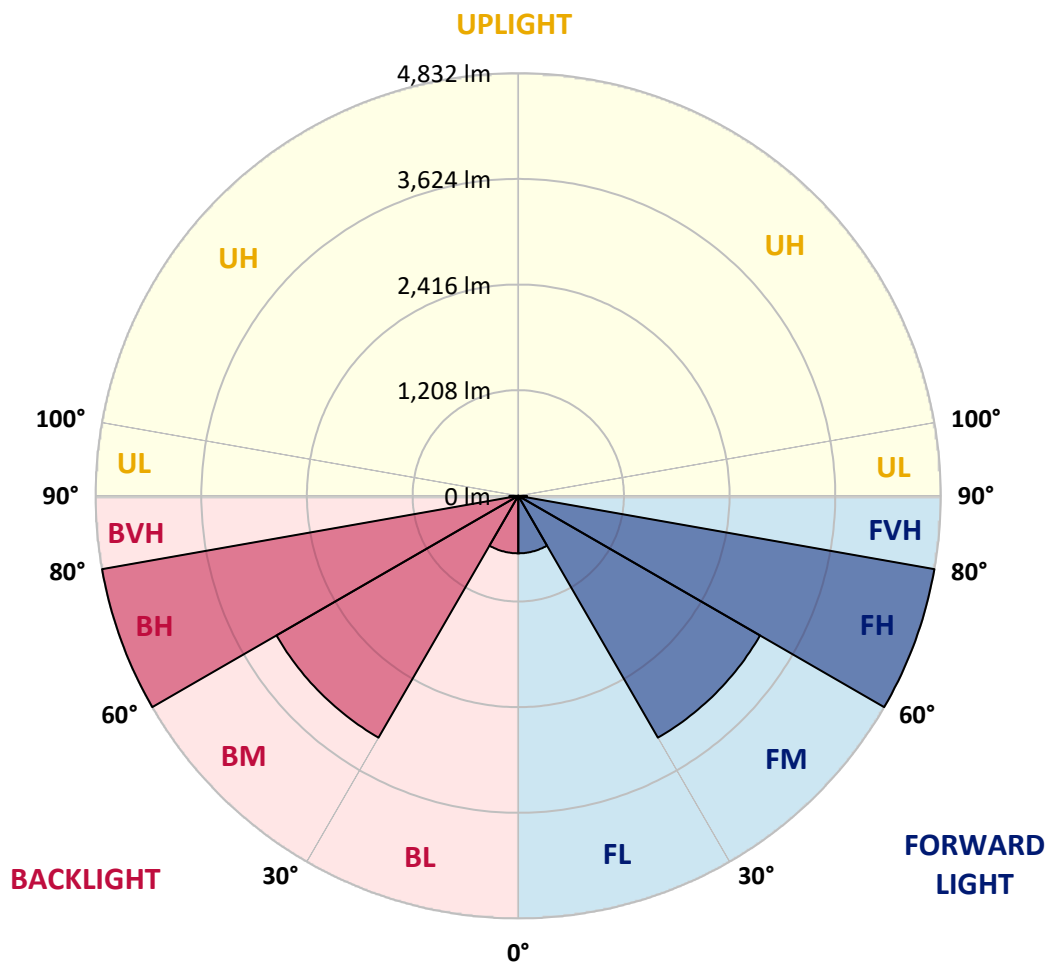
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.5	3.7			
FM (30°-60°)	3192.9	18.2			
FH (60°-80°)	4832.2	27.5			G2/5000
FVH (80°-90°)	100.4	0.6			G2/225
BL (0°-30°)	657.5	3.7	B2/1000		
BM (30°-60°)	3192.9	18.2	B3/5000		
BH (60°-80°)	4832.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	100.4	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°	1602.4	1602.4	1602.4	1602.4	1602.4	1602.4	1602.4	1602.4	1602.4	1602.4
2.5°	1592.3	1596.9	1595.1	1591.4	1591.4	1588.7	1591.4	1593.2	1596.0	1597.8
5°	1571.3	1575.0	1574.1	1571.3	1572.2	1569.5	1571.3	1574.1	1575.9	1576.8
7.5°	1553.1	1556.7	1554.9	1550.3	1550.3	1547.6	1548.5	1551.2	1554.0	1554.9
10°	1548.5	1552.2	1546.7	1539.4	1536.6	1533.0	1533.9	1536.6	1542.1	1544.9
12.5°	1550.3	1553.1	1547.6	1536.6	1533.9	1530.2	1530.2	1533.0	1540.3	1543.9
15°	1555.8	1558.5	1550.3	1538.5	1535.7	1533.0	1532.1	1535.7	1543.9	1550.3
17.5°	1565.9	1568.6	1555.8	1539.4	1535.7	1536.6	1535.7	1538.5	1551.2	1563.1
20°	1575.0	1576.8	1559.5	1539.4	1535.7	1536.6	1535.7	1541.2	1557.6	1574.1
22.5°	1577.7	1579.5	1563.1	1545.8	1543.0	1543.9	1543.0	1548.5	1564.0	1580.5
25°	1578.6	1581.4	1568.6	1554.9	1559.5	1561.3	1559.5	1560.4	1572.2	1586.9
27.5°	1592.3	1596.0	1584.1	1572.2	1575.0	1574.1	1576.8	1579.5	1588.7	1603.3
30°	1620.6	1623.4	1613.3	1601.5	1599.6	1593.2	1601.5	1610.6	1620.6	1633.4
32.5°	1667.2	1672.7	1659.9	1647.1	1638.9	1635.2	1641.6	1657.2	1670.9	1684.5
35°	1744.8	1748.5	1736.6	1712.8	1698.2	1698.2	1703.7	1723.8	1745.7	1763.1
37.5°	1854.4	1858.9	1837.9	1809.6	1787.7	1787.7	1795.0	1816.0	1848.9	1873.5
40°	1987.7	1994.1	1967.6	1938.4	1917.4	1913.7	1922.8	1946.6	1977.6	2008.7
42.5°	2148.4	2155.7	2121.0	2095.4	2079.0	2079.0	2083.5	2105.5	2133.8	2172.1
45°	2353.8	2366.6	2319.1	2293.5	2278.0	2281.7	2284.4	2303.6	2329.1	2373.0
47.5°	2598.5	2611.3	2561.1	2534.6	2531.8	2549.2	2538.2	2551.9	2565.6	2615.8
50°	2876.1	2898.0	2863.3	2861.4	2866.9	2898.9	2873.3	2880.6	2865.1	2897.1
52.5°	3215.7	3247.7	3241.3	3252.2	3313.4	3379.1	3320.7	3295.1	3236.7	3246.7
55°	3627.5	3675.9	3685.0	3750.7	3889.5	4023.7	3899.6	3796.4	3672.2	3649.4
57.5°	4095.9	4134.2	4178.0	4312.3	4571.6	4809.9	4571.6	4343.3	4147.9	4101.3
60°	4599.9	4647.3	4689.3	4887.5	5272.8	5607.8	5265.5	4903.0	4644.6	4581.6
62.5°	5141.3	5202.5	5231.7	5451.7	5900.9	6300.8	5907.3	5468.2	5181.5	5113.9
65°	5660.8	5711.0	5743.9	5978.5	6407.7	6808.5	6436.9	6004.1	5709.2	5620.6
67.5°	5902.8	5930.1	6010.5	6276.2	6729.1	7186.5	6805.7	6304.5	5974.9	5819.7
70°	5548.5	5492.8	5686.4	6111.8	6767.4	7418.4	6855.1	6099.1	5695.5	5443.5
72.5°	4287.6	4191.7	4527.7	5255.4	6329.1	7270.5	6373.0	5296.5	4736.8	4225.5
75°	2332.8	2224.1	2688.0	3608.3	5047.2	6301.8	5163.2	3711.5	2992.9	2315.5
77.5°	658.3	617.2	991.6	1745.7	3035.8	4424.6	3152.7	1784.1	1176.0	697.6
80°	201.8	195.4	264.8	525.9	1289.2	2119.1	1239.0	532.3	336.9	212.7
82.5°	119.6	109.6	131.5	191.7	328.7	665.6	319.6	200.0	160.7	107.7
85°	68.5	63.9	77.6	93.1	110.5	141.5	92.2	95.0	85.8	57.5
87.5°	28.3	25.6	30.1	29.2	25.6	32.9	24.7	29.2	34.7	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1602.4
1596.9
1576.8
1554.9
1544.9
1544.9
1551.2
1563.1
1575.0
1580.5
1585.9
1599.6
1630.7
1679.1
1756.7
1864.4
1998.6
2169.4
2371.1
2601.2
2877.9
3213.0
3613.8
4068.5
4526.8
5059.1
5576.8
5821.5
5503.8
4352.4
2466.1
775.2
224.6
116.9
60.3
21.0
0.0

OF REPORT)