

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: P847821

Luminaire Tested: **GLAN-SB4A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847821
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 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: 15057 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

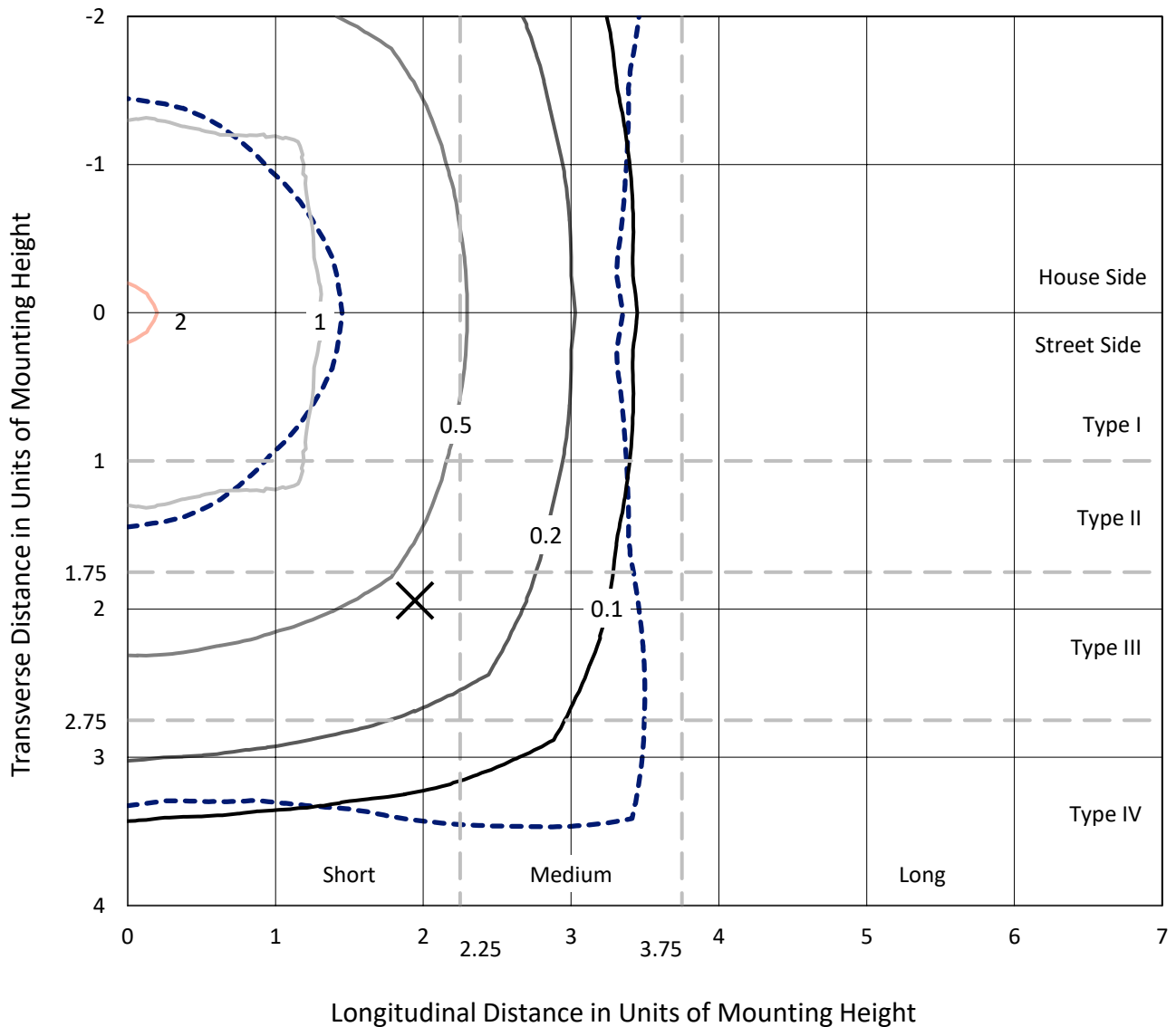
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

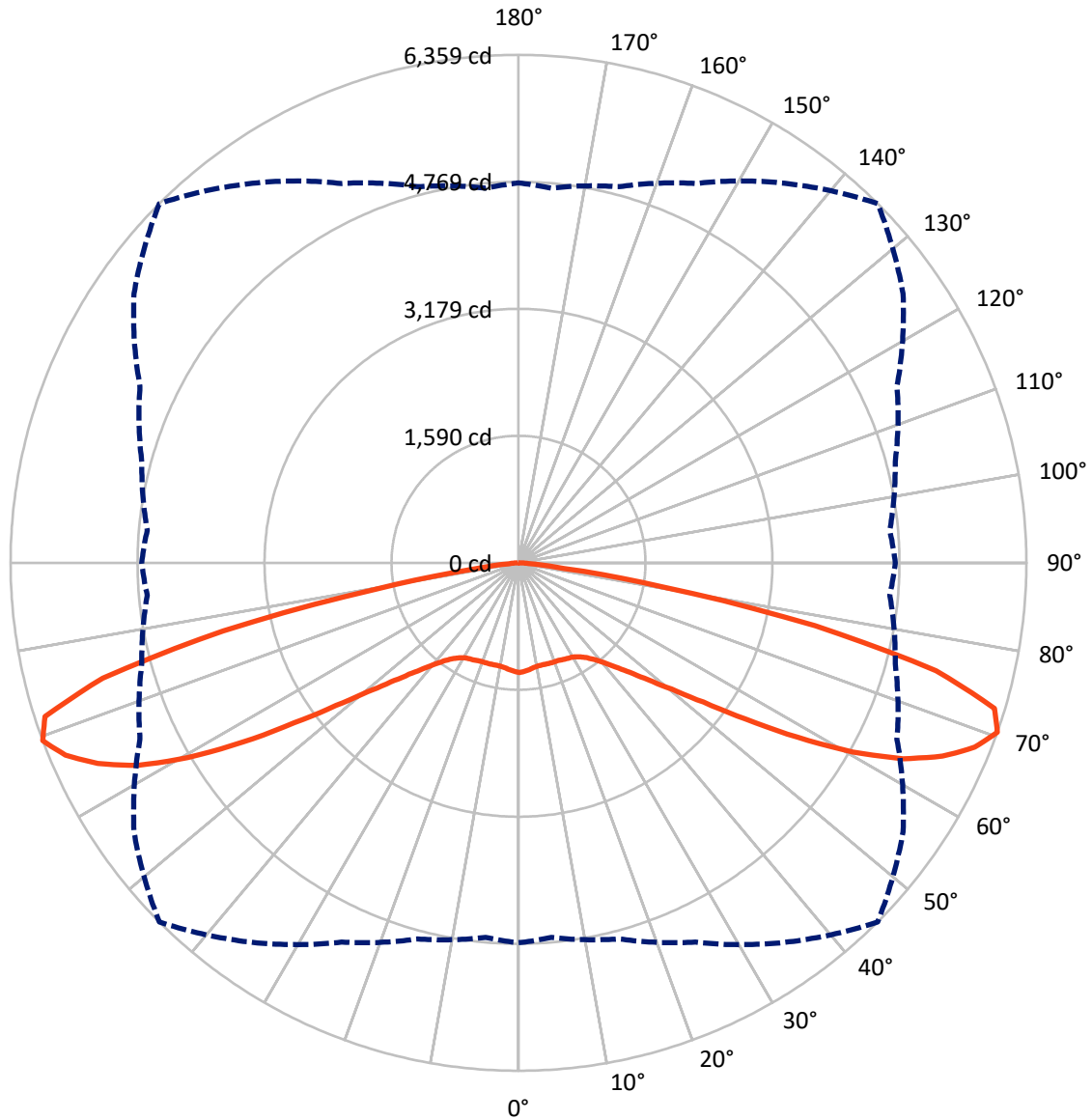
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	7528.5	0.0	7528.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7528.5	0.0	7528.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15057.0	0.0	15057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	0.8
10°-20°	375.2	2.5
20°-30°	624.3	4.1
30°-40°	944.2	6.3
40°-50°	1569.0	10.4
50°-60°	2960.6	19.7
60°-70°	4999.1	33.2
70°-80°	3284.9	21.8
80°-90°	172.1	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°	15057.0	100.0
0°-180°	15057.0	100.0

Coefficient of Utilization

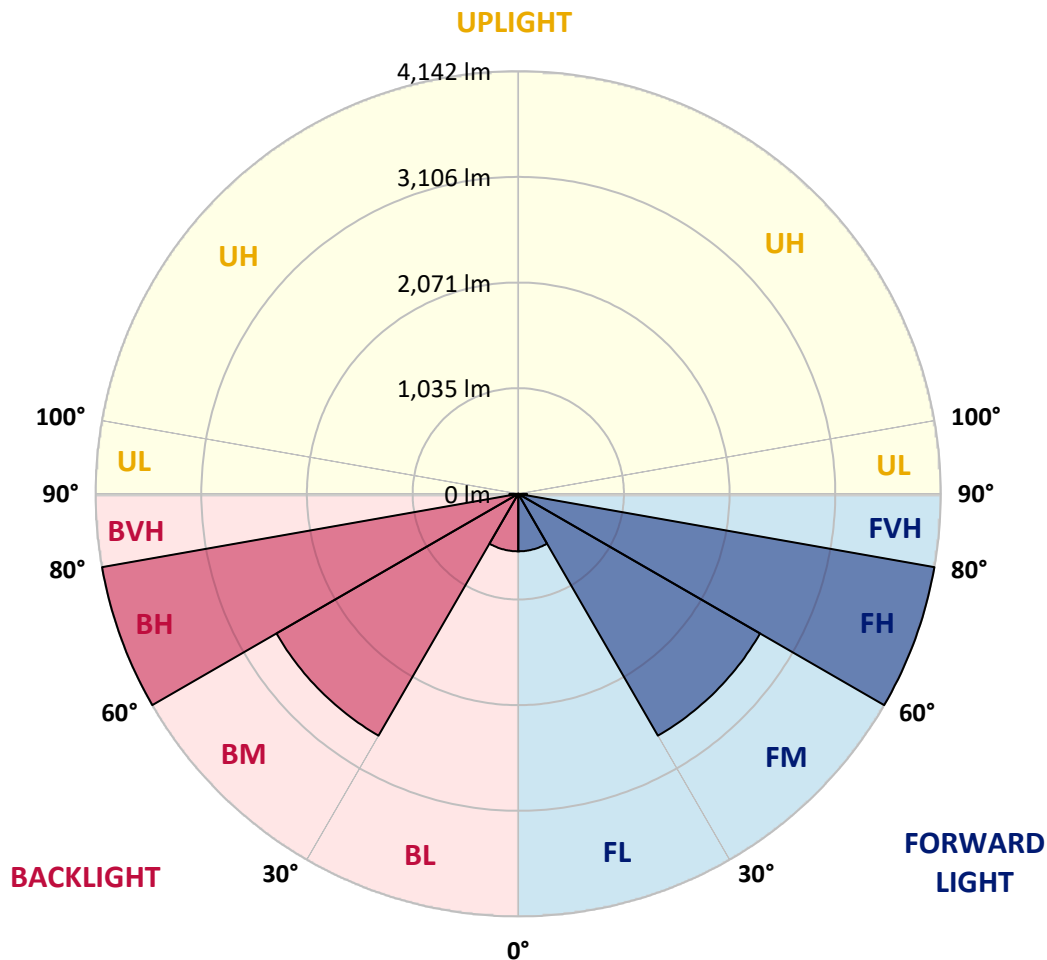


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.6	3.7			
FM (30°-60°)	2736.9	18.2			
FH (60°-80°)	4142.0	27.5			G2/5000
FVH (80°-90°)	86.0	0.6			G1/100
BL (0°-30°)	563.6	3.7	B2/1000		
BM (30°-60°)	2736.9	18.2	B3/5000		
BH (60°-80°)	4142.0	27.5	B4/5000		G2/5000
BVH (80°-90°)	86.0	0.6			G1/100
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°	1373.5	1373.5	1373.5	1373.5	1373.5	1373.5	1373.5	1373.5	1373.5	1373.5
2.5°	1364.9	1368.8	1367.2	1364.1	1364.1	1361.8	1364.1	1365.7	1368.0	1369.6
5°	1346.9	1350.0	1349.2	1346.9	1347.7	1345.3	1346.9	1349.2	1350.8	1351.6
7.5°	1331.2	1334.4	1332.8	1328.9	1328.9	1326.5	1327.3	1329.7	1332.0	1332.8
10°	1327.3	1330.5	1325.8	1319.5	1317.2	1314.0	1314.8	1317.2	1321.8	1324.2
12.5°	1328.9	1331.2	1326.5	1317.2	1314.8	1311.7	1311.7	1314.0	1320.3	1323.4
15°	1333.6	1335.9	1328.9	1318.7	1316.4	1314.0	1313.2	1316.4	1323.4	1328.9
17.5°	1342.2	1344.5	1333.6	1319.5	1316.4	1317.2	1316.4	1318.7	1329.7	1339.8
20°	1350.0	1351.6	1336.7	1319.5	1316.4	1317.2	1316.4	1321.1	1335.2	1349.2
22.5°	1352.4	1353.9	1339.8	1325.0	1322.6	1323.4	1322.6	1327.3	1340.6	1354.7
25°	1353.2	1355.5	1344.5	1332.8	1336.7	1338.3	1336.7	1337.5	1347.7	1360.2
27.5°	1364.9	1368.0	1357.8	1347.7	1350.0	1349.2	1351.6	1353.9	1361.8	1374.3
30°	1389.2	1391.5	1382.9	1372.7	1371.2	1365.7	1372.7	1380.5	1389.2	1400.1
32.5°	1429.1	1433.8	1422.8	1411.9	1404.8	1401.7	1407.2	1420.5	1432.2	1443.9
35°	1495.6	1498.7	1488.5	1468.2	1455.7	1455.7	1460.4	1477.6	1496.4	1511.2
37.5°	1589.5	1593.4	1575.4	1551.2	1532.4	1532.4	1538.6	1556.6	1584.8	1605.9
40°	1703.8	1709.2	1686.6	1661.5	1643.5	1640.4	1648.2	1668.6	1695.2	1721.8
42.5°	1841.5	1847.8	1818.0	1796.1	1782.0	1782.0	1785.9	1804.7	1829.0	1861.9
45°	2017.6	2028.6	1987.9	1965.9	1952.6	1955.8	1958.1	1974.6	1996.5	2034.0
47.5°	2227.3	2238.3	2195.3	2172.6	2170.2	2185.1	2175.7	2187.4	2199.2	2242.2
50°	2465.3	2484.0	2454.3	2452.7	2457.4	2484.8	2462.9	2469.2	2455.9	2483.3
52.5°	2756.4	2783.8	2778.3	2787.7	2840.1	2896.5	2846.4	2824.5	2774.4	2783.0
55°	3109.4	3150.8	3158.7	3215.0	3334.0	3449.0	3342.6	3254.1	3147.7	3128.1
57.5°	3510.8	3543.7	3581.3	3696.3	3918.6	4122.9	3918.6	3722.9	3555.5	3515.5
60°	3942.8	3983.5	4019.5	4189.4	4519.6	4806.9	4513.4	4202.7	3981.2	3927.2
62.5°	4406.9	4459.4	4484.4	4673.0	5058.1	5400.9	5063.6	4687.1	4441.4	4383.5
65°	4852.3	4895.3	4923.5	5124.6	5492.4	5836.0	5517.5	5146.5	4893.7	4817.8
67.5°	5059.7	5083.1	5152.0	5379.7	5767.9	6160.0	5833.7	5404.0	5121.5	4988.4
70°	4756.0	4708.3	4874.2	5238.9	5800.8	6358.8	5875.9	5227.9	4882.0	4666.0
72.5°	3675.2	3593.0	3881.0	4504.8	5425.1	6232.0	5462.7	4540.0	4060.2	3622.0
75°	1999.6	1906.5	2304.0	3092.9	4326.3	5401.7	4425.7	3181.4	2565.4	1984.7
77.5°	564.3	529.1	849.9	1496.4	2602.2	3792.6	2702.4	1529.2	1008.0	597.9
80°	173.0	167.5	227.0	450.8	1105.1	1816.5	1062.0	456.3	288.8	182.4
82.5°	102.5	93.9	112.7	164.4	281.7	570.5	273.9	171.4	137.7	92.3
85°	58.7	54.8	66.5	79.8	94.7	121.3	79.0	81.4	73.6	49.3
87.5°	24.3	21.9	25.8	25.0	21.9	28.2	21.1	25.0	29.7	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1373.5
1368.8
1351.6
1332.8
1324.2
1324.2
1329.7
1339.8
1350.0
1354.7
1359.4
1371.2
1397.8
1439.2
1505.8
1598.1
1713.2
1859.5
2032.5
2229.7
2466.8
2754.0
3097.6
3487.4
3880.2
4336.5
4780.3
4990.0
4717.6
3730.8
2113.9
664.4
192.5
100.2
51.7
18.0
0.0

OF REPORT)