

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: P847731

Luminaire Tested: **GLAN-SB4A-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847731
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-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14220 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

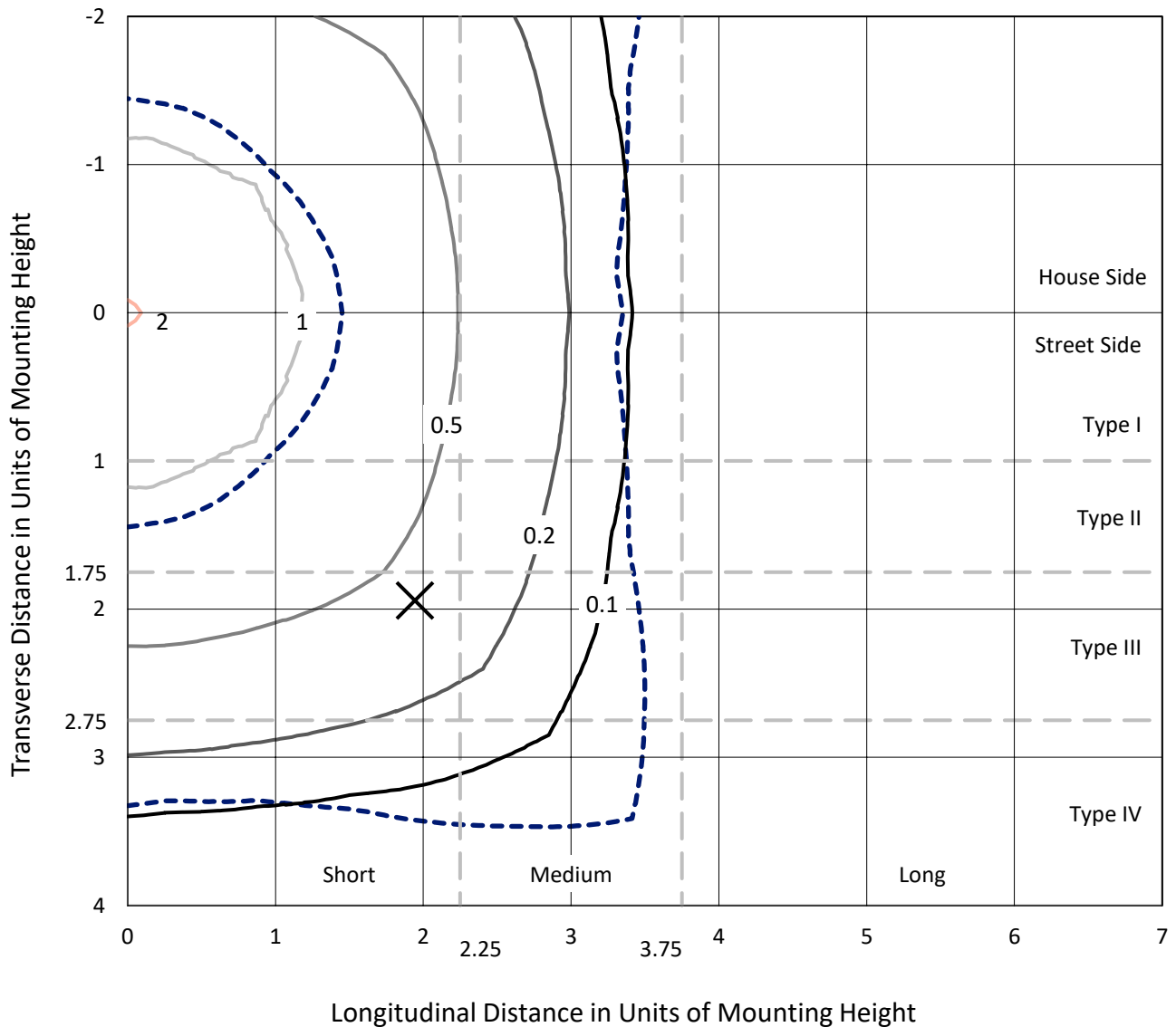
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

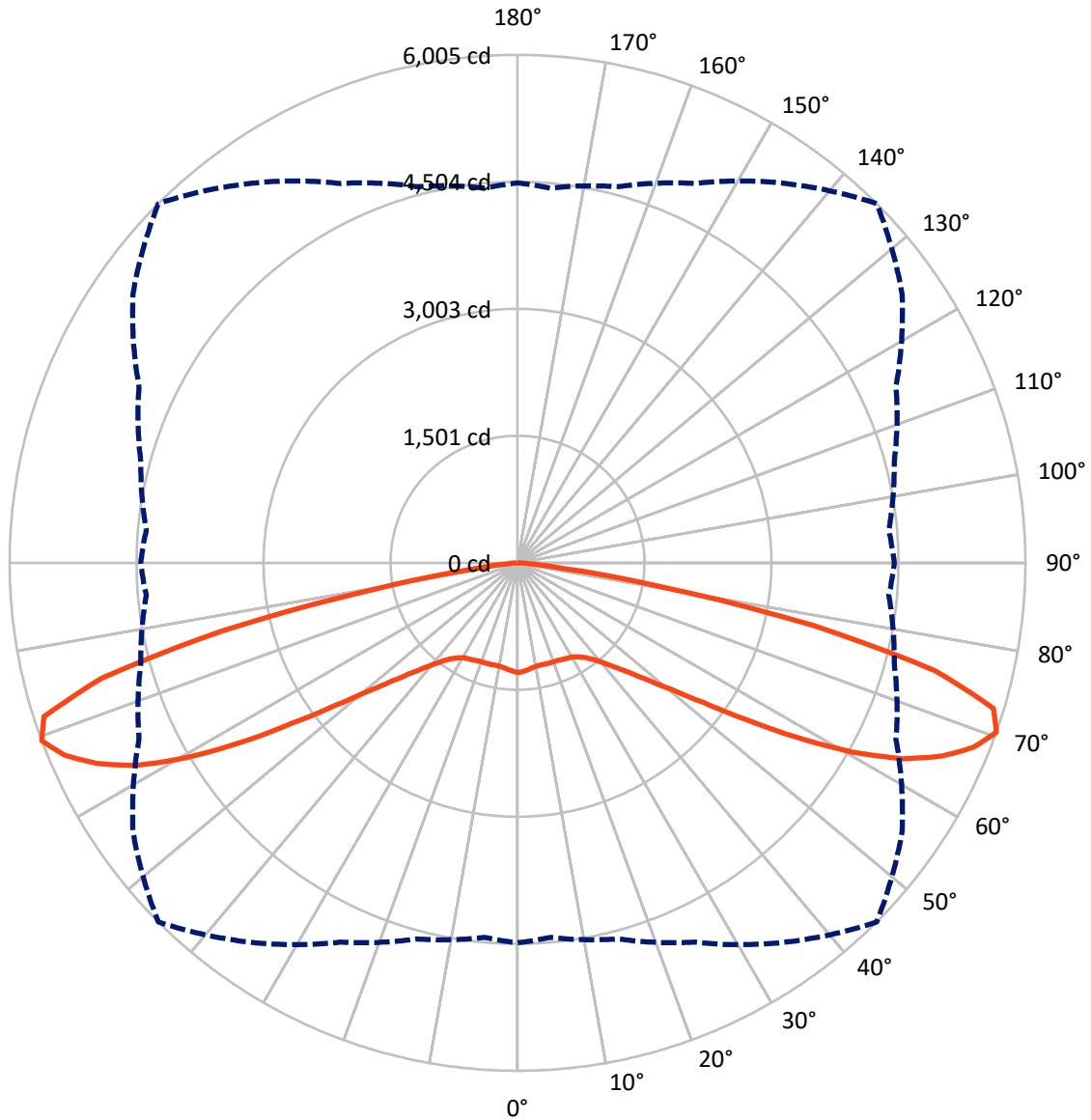
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	7110.0	0.0	7110.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7110.0	0.0	7110.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14220.0	0.0	14220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	0.8
10°-20°	354.3	2.5
20°-30°	589.6	4.1
30°-40°	891.7	6.3
40°-50°	1481.8	10.4
50°-60°	2796.0	19.7
60°-70°	4721.2	33.2
70°-80°	3102.3	21.8
80°-90°	162.5	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°	14220.0	100.0
0°-180°	14220.0	100.0

Coefficient of Utilization



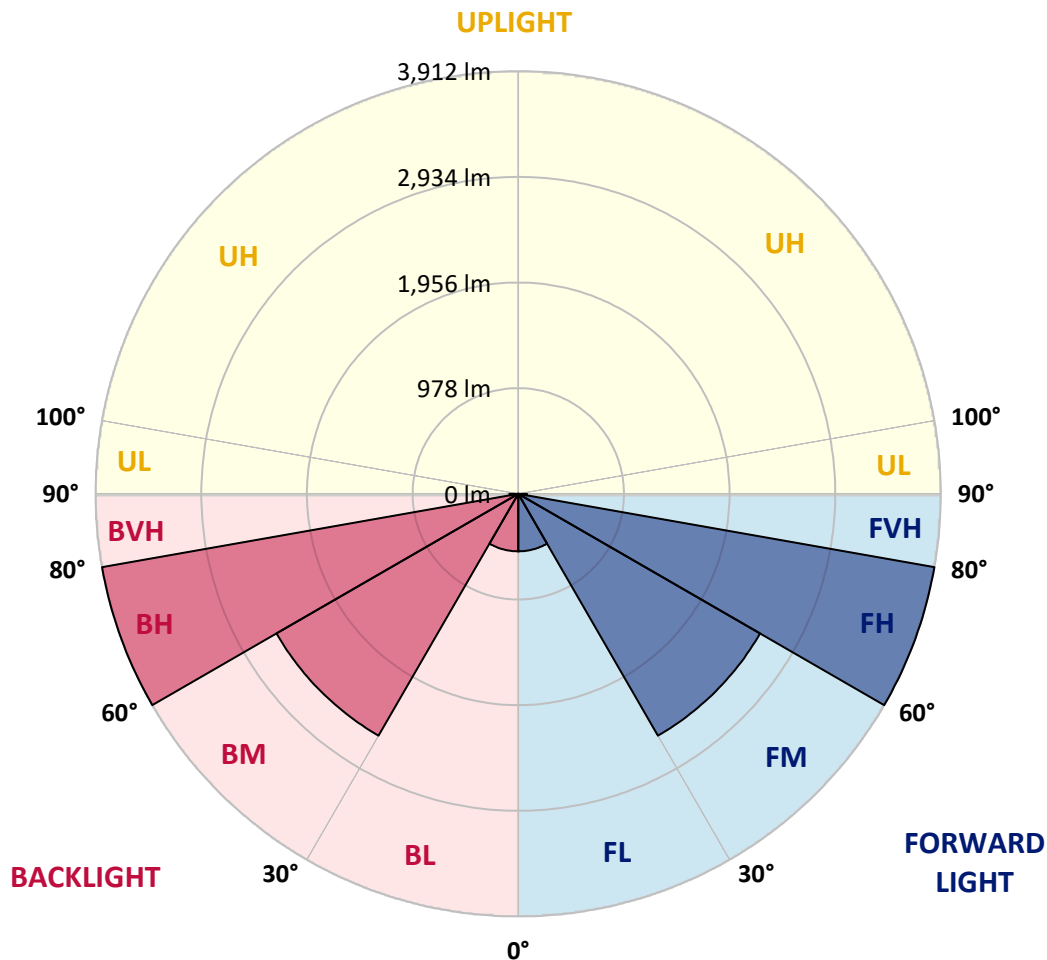
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.3	3.7			
FM (30°-60°)	2584.7	18.2			
FH (60°-80°)	3911.7	27.5			G2/5000
FVH (80°-90°)	81.3	0.6			G1/100
BL (0°-30°)	532.3	3.7	B2/1000		
BM (30°-60°)	2584.7	18.2	B3/5000		
BH (60°-80°)	3911.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	81.3	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°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1289.0	1292.7	1291.2	1288.3	1288.3	1286.1	1288.3	1289.8	1292.0	1293.5
5°	1272.0	1275.0	1274.2	1272.0	1272.8	1270.5	1272.0	1274.2	1275.7	1276.5
7.5°	1257.2	1260.2	1258.7	1255.0	1255.0	1252.8	1253.5	1255.8	1258.0	1258.7
10°	1253.5	1256.5	1252.1	1246.2	1243.9	1241.0	1241.7	1243.9	1248.4	1250.6
12.5°	1255.0	1257.2	1252.8	1243.9	1241.7	1238.8	1238.8	1241.0	1246.9	1249.8
15°	1259.5	1261.7	1255.0	1245.4	1243.2	1241.0	1240.2	1243.2	1249.8	1255.0
17.5°	1267.6	1269.8	1259.5	1246.2	1243.2	1243.9	1243.2	1245.4	1255.8	1265.4
20°	1275.0	1276.5	1262.4	1246.2	1243.2	1243.9	1243.2	1247.6	1260.9	1274.2
22.5°	1277.2	1278.7	1265.4	1251.3	1249.1	1249.8	1249.1	1253.5	1266.1	1279.4
25°	1277.9	1280.2	1269.8	1258.7	1262.4	1263.9	1262.4	1263.2	1272.8	1284.6
27.5°	1289.0	1292.0	1282.4	1272.8	1275.0	1274.2	1276.5	1278.7	1286.1	1297.9
30°	1311.9	1314.1	1306.0	1296.4	1294.9	1289.8	1296.4	1303.8	1311.9	1322.3
32.5°	1349.6	1354.1	1343.7	1333.4	1326.7	1323.8	1328.9	1341.5	1352.6	1363.7
35°	1412.5	1415.4	1405.8	1386.6	1374.8	1374.8	1379.2	1395.5	1413.2	1427.2
37.5°	1501.1	1504.8	1487.8	1464.9	1447.2	1447.2	1453.1	1470.1	1496.7	1516.7
40°	1609.1	1614.2	1592.8	1569.1	1552.1	1549.2	1556.6	1575.8	1600.9	1626.1
42.5°	1739.1	1745.1	1717.0	1696.3	1683.0	1683.0	1686.7	1704.4	1727.3	1758.4
45°	1905.4	1915.8	1877.4	1856.7	1844.1	1847.1	1849.3	1864.8	1885.5	1921.0
47.5°	2103.5	2113.9	2073.2	2051.8	2049.6	2063.6	2054.7	2065.8	2076.9	2117.6
50°	2328.2	2346.0	2317.9	2316.4	2320.8	2346.7	2326.0	2331.9	2319.3	2345.2
52.5°	2603.2	2629.0	2623.9	2632.7	2682.3	2735.5	2688.2	2667.5	2620.2	2628.3
55°	2936.5	2975.7	2983.1	3036.3	3148.6	3257.3	3156.8	3073.2	2972.7	2954.3
57.5°	3315.7	3346.7	3382.2	3490.8	3700.8	3893.7	3700.8	3516.0	3357.8	3320.1
60°	3723.7	3762.1	3796.1	3956.5	4268.4	4539.7	4262.5	3969.1	3759.9	3708.9
62.5°	4162.0	4211.5	4235.1	4413.3	4776.9	5100.6	4782.1	4426.6	4194.5	4139.8
65°	4582.5	4623.2	4649.8	4839.7	5187.1	5511.6	5210.8	4860.4	4621.7	4550.0
67.5°	4778.4	4800.6	4865.6	5080.7	5447.3	5817.6	5509.4	5103.6	4836.8	4711.1
70°	4491.6	4446.5	4603.2	4947.6	5478.3	6005.3	5549.3	4937.3	4610.6	4406.6
72.5°	3470.9	3393.3	3665.3	4254.4	5123.6	5885.6	5159.0	4287.6	3834.5	3420.6
75°	1888.4	1800.5	2176.0	2921.0	4085.8	5101.4	4179.7	3004.5	2422.8	1874.4
77.5°	532.9	499.6	802.7	1413.2	2457.6	3581.8	2552.2	1444.2	952.0	564.7
80°	163.3	158.2	214.3	425.7	1043.6	1715.5	1003.0	430.9	272.7	172.2
82.5°	96.8	88.7	106.4	155.2	266.1	538.8	258.7	161.9	130.1	87.2
85°	55.4	51.7	62.8	75.4	89.4	114.6	74.7	76.9	69.5	46.6
87.5°	22.9	20.7	24.4	23.7	20.7	26.6	20.0	23.7	28.1	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1297.2
1292.7
1276.5
1258.7
1250.6
1250.6
1255.8
1265.4
1275.0
1279.4
1283.8
1294.9
1320.1
1359.2
1422.1
1509.3
1617.9
1756.1
1919.5
2105.7
2329.7
2601.0
2925.4
3293.5
3664.5
4095.4
4514.5
4712.6
4455.4
3523.4
1996.4
627.5
181.8
94.6
48.8
17.0
0.0

OF REPORT)