

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: P847801

Luminaire Tested: **GLAN-SB4A-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847801
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-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14499 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

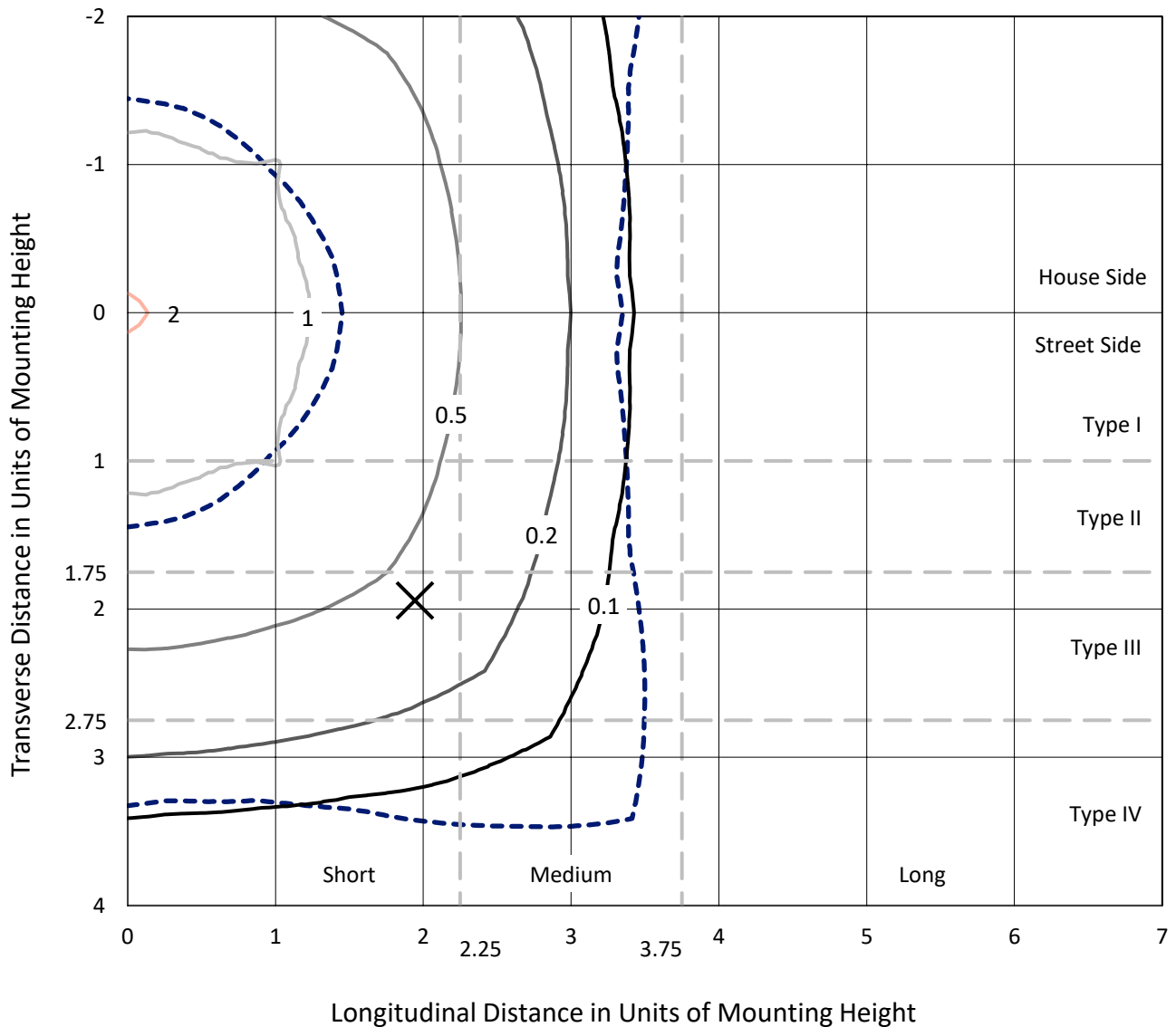
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

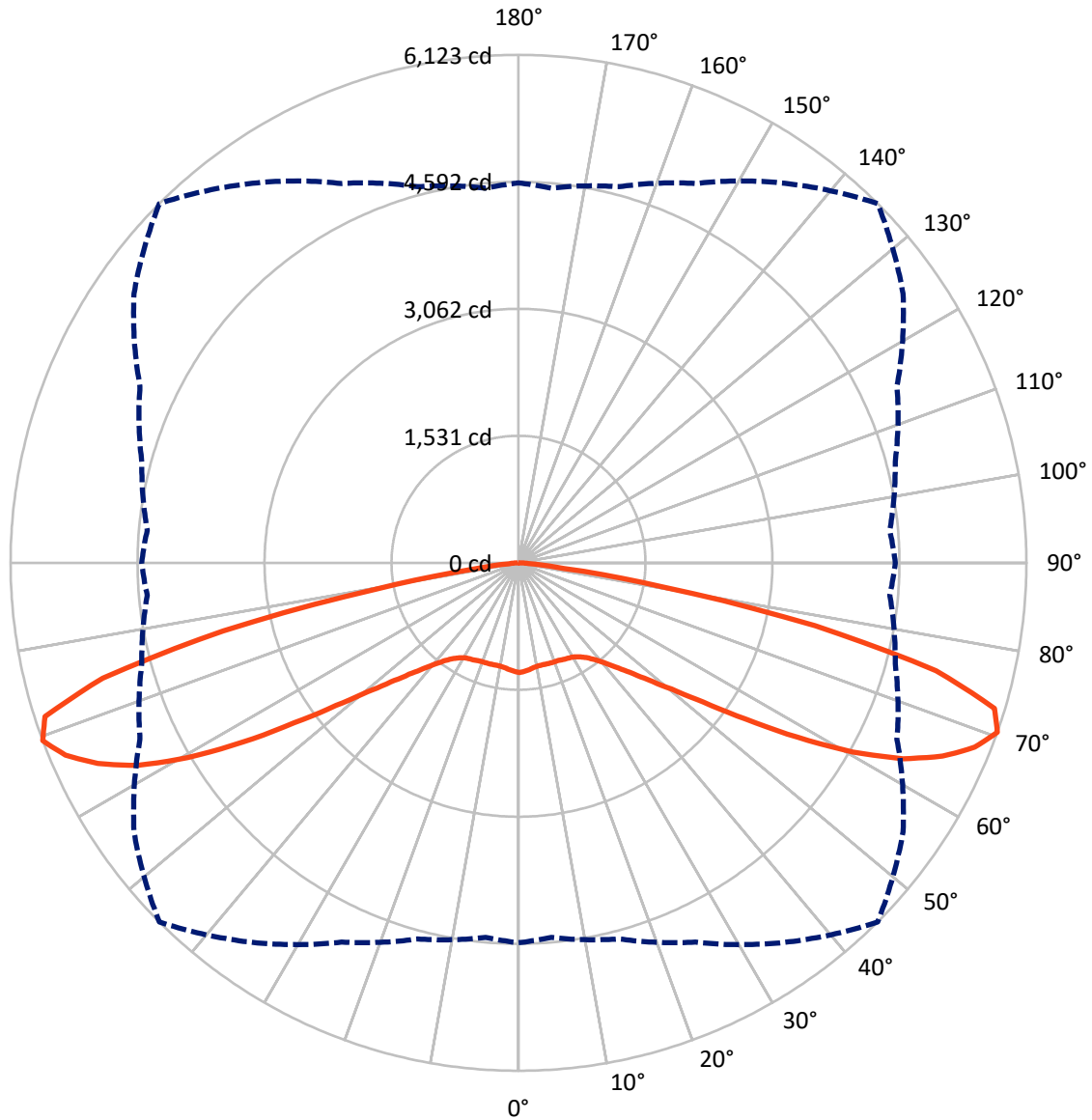
× Max cd
 - - - 1/2 Max cd



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	7249.5	0.0	7249.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7249.5	0.0	7249.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14499.0	0.0	14499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	0.8
10°-20°	361.3	2.5
20°-30°	601.2	4.1
30°-40°	909.2	6.3
40°-50°	1510.8	10.4
50°-60°	2850.9	19.7
60°-70°	4813.8	33.2
70°-80°	3163.2	21.8
80°-90°	165.7	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°	14499.0	100.0
0°-180°	14499.0	100.0

Coefficient of Utilization



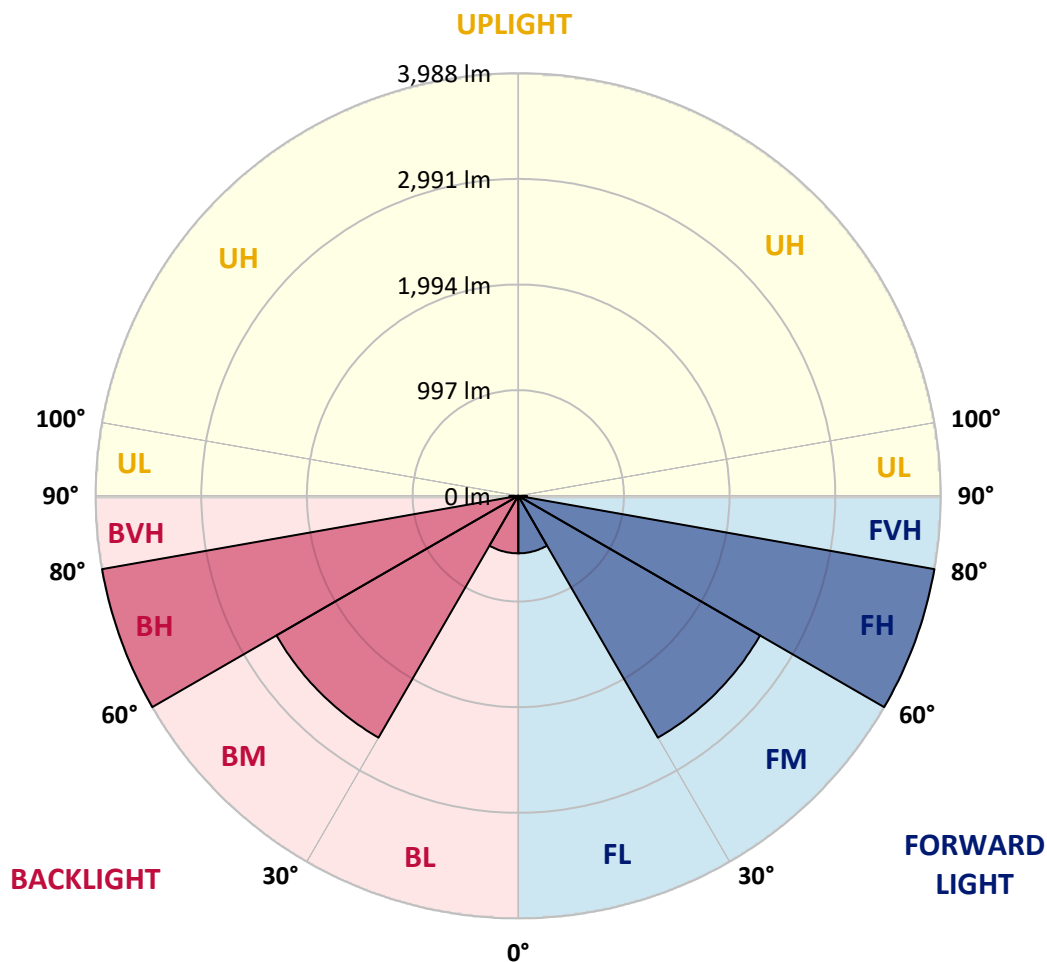
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.7	3.7			
FM (30°-60°)	2635.4	18.2			
FH (60°-80°)	3988.5	27.5			G2/5000
FVH (80°-90°)	82.9	0.6			G1/100
BL (0°-30°)	542.7	3.7	B2/1000		
BM (30°-60°)	2635.4	18.2	B3/5000		
BH (60°-80°)	3988.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	82.9	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°	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6	1322.6
2.5°	1314.3	1318.1	1316.6	1313.6	1313.6	1311.3	1313.6	1315.1	1317.3	1318.8
5°	1297.0	1300.0	1299.2	1297.0	1297.7	1295.5	1297.0	1299.2	1300.7	1301.5
7.5°	1281.9	1284.9	1283.4	1279.6	1279.6	1277.4	1278.1	1280.4	1282.7	1283.4
10°	1278.1	1281.2	1276.6	1270.6	1268.3	1265.3	1266.1	1268.3	1272.9	1275.1
12.5°	1279.6	1281.9	1277.4	1268.3	1266.1	1263.1	1263.1	1265.3	1271.4	1274.4
15°	1284.2	1286.4	1279.6	1269.8	1267.6	1265.3	1264.6	1267.6	1274.4	1279.6
17.5°	1292.5	1294.7	1284.2	1270.6	1267.6	1268.3	1267.6	1269.8	1280.4	1290.2
20°	1300.0	1301.5	1287.2	1270.6	1267.6	1268.3	1267.6	1272.1	1285.7	1299.2
22.5°	1302.3	1303.8	1290.2	1275.9	1273.6	1274.4	1273.6	1278.1	1290.9	1304.5
25°	1303.0	1305.3	1294.7	1283.4	1287.2	1288.7	1287.2	1287.9	1297.7	1309.8
27.5°	1314.3	1317.3	1307.5	1297.7	1300.0	1299.2	1301.5	1303.8	1311.3	1323.4
30°	1337.7	1339.9	1331.6	1321.8	1320.3	1315.1	1321.8	1329.4	1337.7	1348.2
32.5°	1376.1	1380.6	1370.1	1359.5	1352.7	1349.7	1355.0	1367.8	1379.1	1390.4
35°	1440.2	1443.2	1433.4	1413.8	1401.7	1401.7	1406.3	1422.8	1440.9	1455.2
37.5°	1530.6	1534.4	1517.0	1493.7	1475.6	1475.6	1481.6	1498.9	1526.1	1546.4
40°	1640.6	1645.9	1624.0	1599.9	1582.6	1579.6	1587.1	1606.7	1632.3	1658.0
42.5°	1773.3	1779.3	1750.7	1729.6	1716.0	1716.0	1719.8	1737.8	1761.2	1792.9
45°	1942.8	1953.4	1914.2	1893.1	1880.3	1883.3	1885.6	1901.4	1922.5	1958.7
47.5°	2144.8	2155.3	2113.9	2092.0	2089.8	2104.1	2095.1	2106.4	2117.7	2159.1
50°	2373.9	2392.0	2363.3	2361.8	2366.4	2392.7	2371.6	2377.7	2364.9	2391.2
52.5°	2654.2	2680.6	2675.3	2684.4	2734.9	2789.1	2740.9	2719.8	2671.6	2679.9
55°	2994.1	3034.1	3041.6	3095.9	3210.4	3321.2	3218.7	3133.5	3031.1	3012.2
57.5°	3380.7	3412.4	3448.6	3559.3	3773.4	3970.1	3773.4	3585.0	3423.7	3385.3
60°	3796.7	3835.9	3870.6	4034.1	4352.1	4628.7	4346.1	4046.9	3833.7	3781.7
62.5°	4243.6	4294.1	4318.2	4499.9	4870.6	5200.7	4875.9	4513.4	4276.8	4221.0
65°	4672.4	4713.9	4741.0	4934.7	5288.9	5619.7	5313.0	4955.8	4712.4	4639.3
67.5°	4872.1	4894.8	4961.1	5180.4	5554.2	5931.7	5617.5	5203.7	4931.7	4803.6
70°	4579.7	4533.8	4693.5	5044.7	5585.8	6123.2	5658.2	5034.2	4701.1	4493.1
72.5°	3539.0	3459.9	3737.2	4337.8	5224.1	6001.1	5260.3	4371.7	3909.8	3487.7
75°	1925.5	1835.8	2218.7	2978.3	4166.0	5201.5	4261.7	3063.5	2470.4	1911.2
77.5°	543.4	509.4	818.4	1440.9	2505.8	3652.0	2602.2	1472.6	970.7	575.8
80°	166.5	161.3	218.5	434.1	1064.1	1749.1	1022.7	439.4	278.1	175.6
82.5°	98.7	90.4	108.5	158.3	271.3	549.4	263.8	165.0	132.6	88.9
85°	56.5	52.8	64.1	76.9	91.2	116.8	76.1	78.4	70.8	47.5
87.5°	23.4	21.1	24.9	24.1	21.1	27.1	20.3	24.1	28.6	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1322.6
1318.1
1301.5
1283.4
1275.1
1275.1
1280.4
1290.2
1300.0
1304.5
1309.0
1320.3
1346.0
1385.9
1450.0
1538.9
1649.7
1790.6
1957.1
2147.1
2375.4
2652.0
2982.8
3358.1
3736.4
4175.8
4603.1
4805.1
4542.8
3592.5
2035.5
639.8
185.4
96.5
49.7
17.3
0.0

OF REPORT)