

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: P847331

Luminaire Tested: **GLAN-SB3B-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847331
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-SB3B-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14674 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

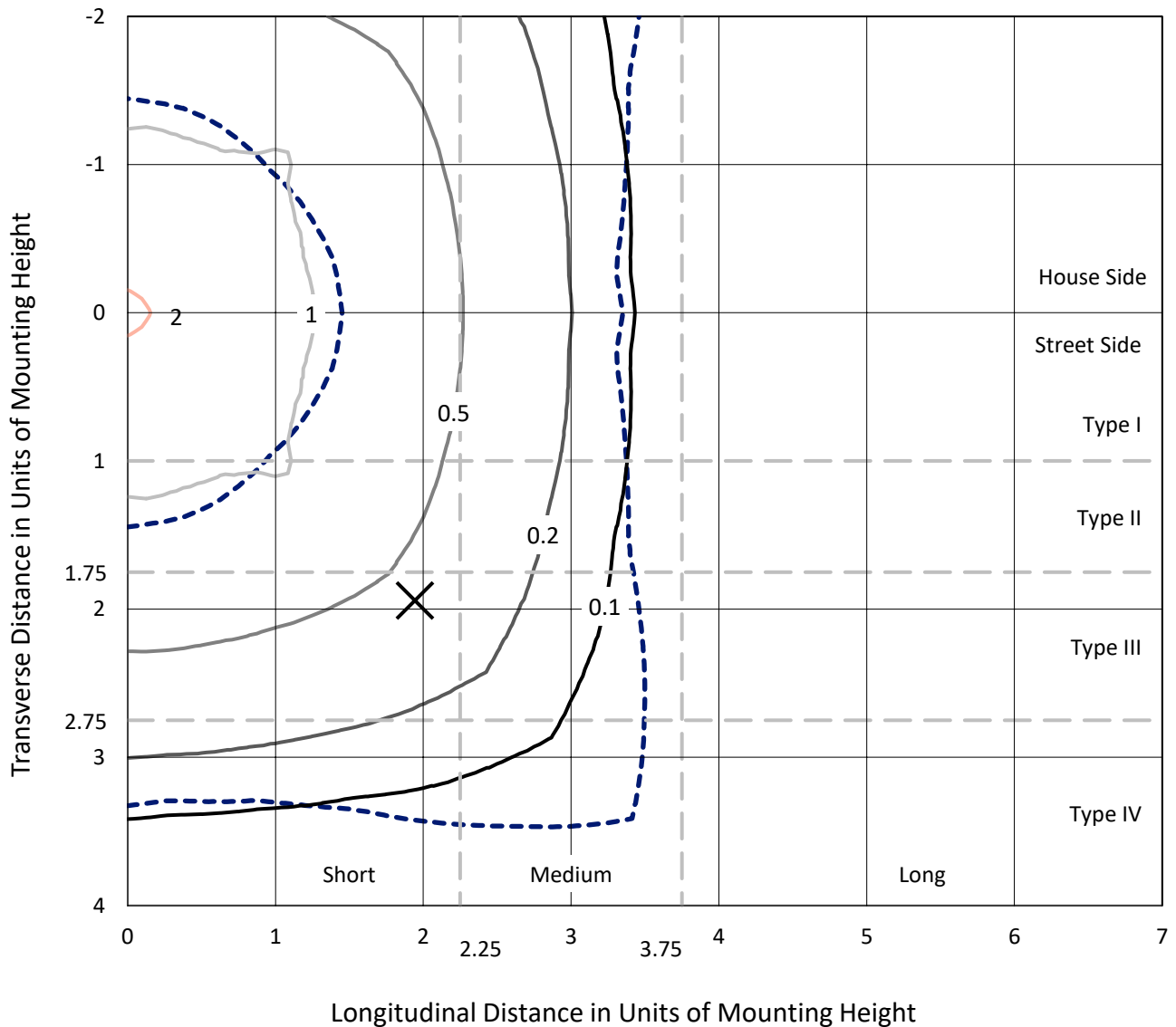
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

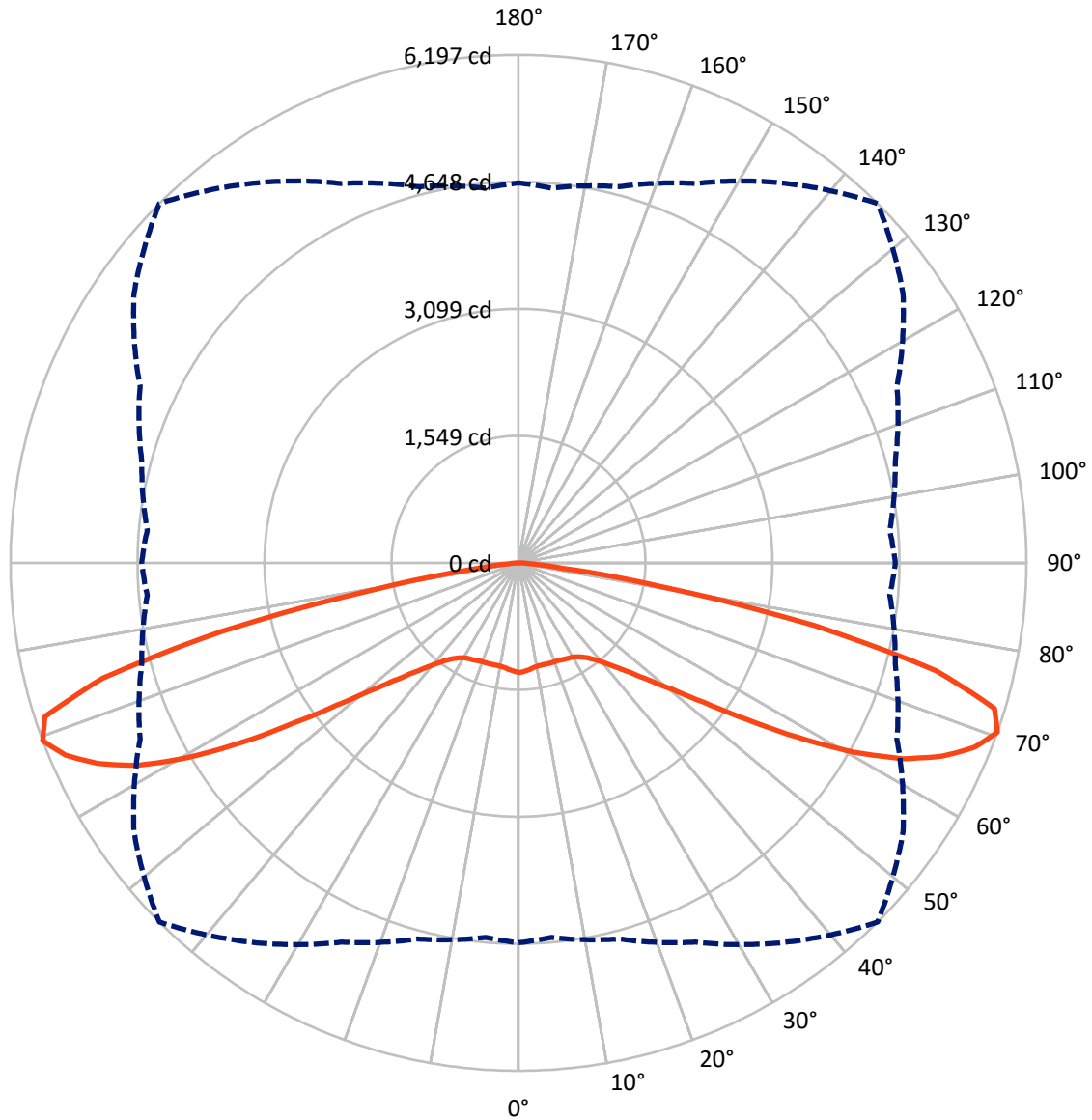
× Max cd
 - - - 1/2 Max cd



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	7337.0	0.0	7337.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7337.0	0.0	7337.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14674.0	0.0	14674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	0.8
10°-20°	365.6	2.5
20°-30°	608.4	4.1
30°-40°	920.1	6.3
40°-50°	1529.1	10.4
50°-60°	2885.3	19.7
60°-70°	4871.9	33.2
70°-80°	3201.3	21.8
80°-90°	167.7	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°	14674.0	100.0
0°-180°	14674.0	100.0

Coefficient of Utilization



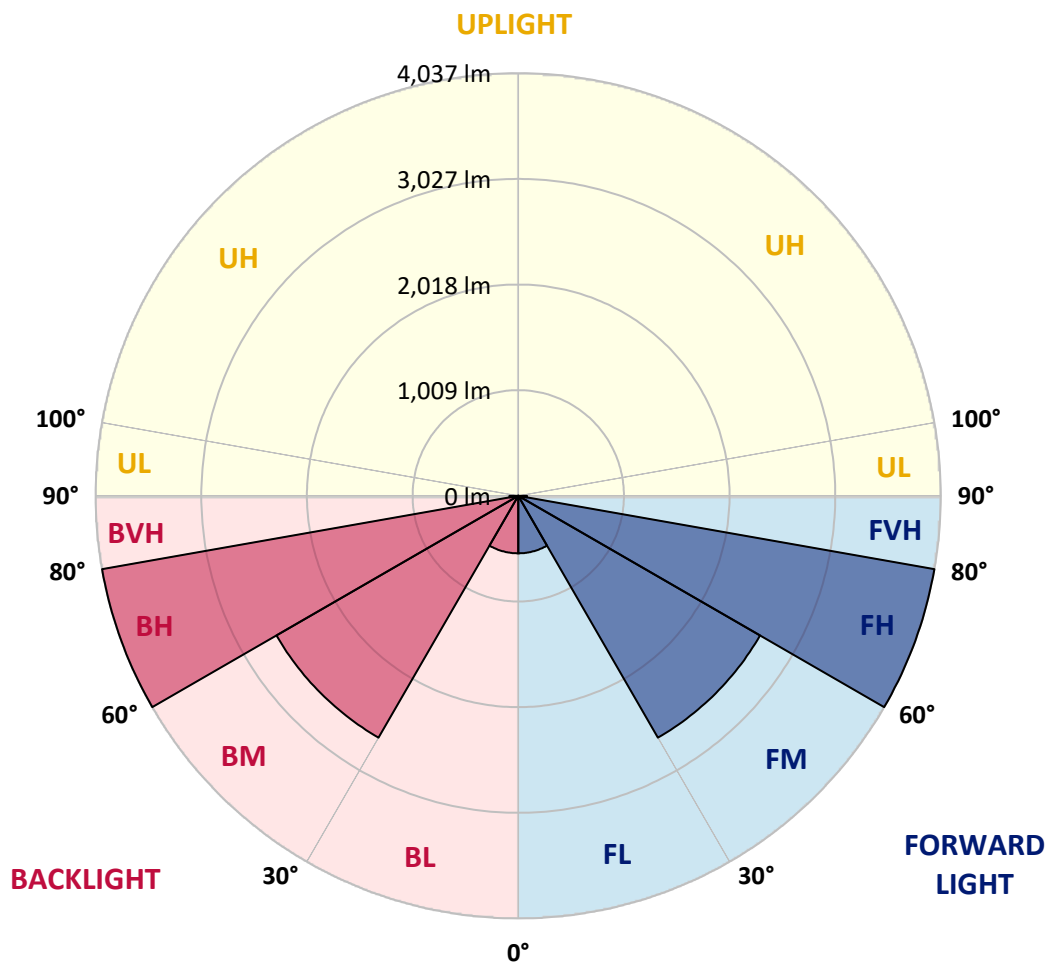
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.3	3.7			
FM (30°-60°)	2667.2	18.2			
FH (60°-80°)	4036.6	27.5			G2/5000
FVH (80°-90°)	83.9	0.6			G1/100
BL (0°-30°)	549.3	3.7	B2/1000		
BM (30°-60°)	2667.2	18.2	B3/5000		
BH (60°-80°)	4036.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	83.9	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°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1330.2	1334.0	1332.5	1329.4	1329.4	1327.1	1329.4	1330.9	1333.2	1334.8
5°	1312.6	1315.7	1314.9	1312.6	1313.4	1311.1	1312.6	1314.9	1316.4	1317.2
7.5°	1297.4	1300.4	1298.9	1295.1	1295.1	1292.8	1293.6	1295.9	1298.1	1298.9
10°	1293.6	1296.6	1292.0	1285.9	1283.6	1280.6	1281.4	1283.6	1288.2	1290.5
12.5°	1295.1	1297.4	1292.8	1283.6	1281.4	1278.3	1278.3	1280.6	1286.7	1289.8
15°	1299.7	1302.0	1295.1	1285.2	1282.9	1280.6	1279.8	1282.9	1289.8	1295.1
17.5°	1308.1	1310.3	1299.7	1285.9	1282.9	1283.6	1282.9	1285.2	1295.9	1305.8
20°	1315.7	1317.2	1302.7	1285.9	1282.9	1283.6	1282.9	1287.5	1301.2	1314.9
22.5°	1318.0	1319.5	1305.8	1291.3	1289.0	1289.8	1289.0	1293.6	1306.5	1320.3
25°	1318.7	1321.0	1310.3	1298.9	1302.7	1304.2	1302.7	1303.5	1313.4	1325.6
27.5°	1330.2	1333.2	1323.3	1313.4	1315.7	1314.9	1317.2	1319.5	1327.1	1339.3
30°	1353.8	1356.1	1347.7	1337.8	1336.3	1330.9	1337.8	1345.4	1353.8	1364.5
32.5°	1392.7	1397.3	1386.6	1375.9	1369.1	1366.0	1371.4	1384.3	1395.8	1407.2
35°	1457.5	1460.6	1450.7	1430.9	1418.6	1418.6	1423.2	1440.0	1458.3	1472.8
37.5°	1549.1	1552.9	1535.3	1511.7	1493.4	1493.4	1499.5	1517.0	1544.5	1565.1
40°	1660.4	1665.8	1643.7	1619.2	1601.7	1598.6	1606.3	1626.1	1652.0	1678.0
42.5°	1794.7	1800.8	1771.8	1750.4	1736.7	1736.7	1740.5	1758.8	1782.5	1814.5
45°	1966.3	1977.0	1937.3	1915.9	1903.0	1906.0	1908.3	1924.3	1945.7	1982.3
47.5°	2170.7	2181.4	2139.4	2117.3	2115.0	2129.5	2120.3	2131.8	2143.2	2185.2
50°	2402.6	2420.9	2391.9	2390.3	2394.9	2421.6	2400.3	2406.4	2393.4	2420.1
52.5°	2686.3	2713.0	2707.6	2716.8	2767.9	2822.8	2774.0	2752.6	2703.8	2712.2
55°	3030.3	3070.7	3078.3	3133.2	3249.2	3361.3	3257.6	3171.4	3067.6	3048.6
57.5°	3421.5	3453.6	3490.2	3602.3	3818.9	4018.0	3818.9	3628.2	3465.0	3426.1
60°	3842.6	3882.2	3917.3	4082.8	4404.7	4684.6	4398.6	4095.8	3879.9	3827.3
62.5°	4294.8	4345.9	4370.4	4554.2	4929.4	5263.5	4934.8	4567.9	4328.4	4272.0
65°	4728.8	4770.8	4798.2	4994.3	5352.7	5687.6	5377.1	5015.6	4769.3	4695.3
67.5°	4931.0	4953.8	5021.0	5242.9	5621.2	6003.3	5685.3	5266.5	4991.2	4861.5
70°	4635.0	4588.5	4750.2	5105.6	5653.2	6197.1	5726.5	5094.9	4757.8	4547.3
72.5°	3581.7	3501.6	3782.3	4390.2	5287.1	6073.5	5323.7	4424.5	3957.0	3529.8
75°	1948.7	1858.0	2245.4	3014.2	4216.3	5264.3	4313.2	3100.4	2500.2	1934.2
77.5°	549.9	515.6	828.3	1458.3	2536.0	3696.1	2633.7	1490.3	982.4	582.7
80°	168.6	163.2	221.2	439.3	1077.0	1770.3	1035.0	444.7	281.4	177.7
82.5°	99.9	91.5	109.8	160.2	274.6	556.0	267.0	167.0	134.2	90.0
85°	57.2	53.4	64.8	77.8	92.3	118.2	77.0	79.3	71.7	48.1
87.5°	23.6	21.4	25.2	24.4	21.4	27.5	20.6	24.4	29.0	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1338.6
1334.0
1317.2
1298.9
1290.5
1290.5
1295.9
1305.8
1315.7
1320.3
1324.8
1336.3
1362.2
1402.6
1467.5
1557.5
1669.6
1812.2
1980.8
2173.0
2404.1
2684.0
3018.8
3398.7
3781.5
4226.2
4658.7
4863.1
4597.6
3635.9
2060.1
647.5
187.6
97.6
50.3
17.5
0.0

OF REPORT)