

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: P846064

Luminaire Tested: **GLAN-SB1C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7273 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

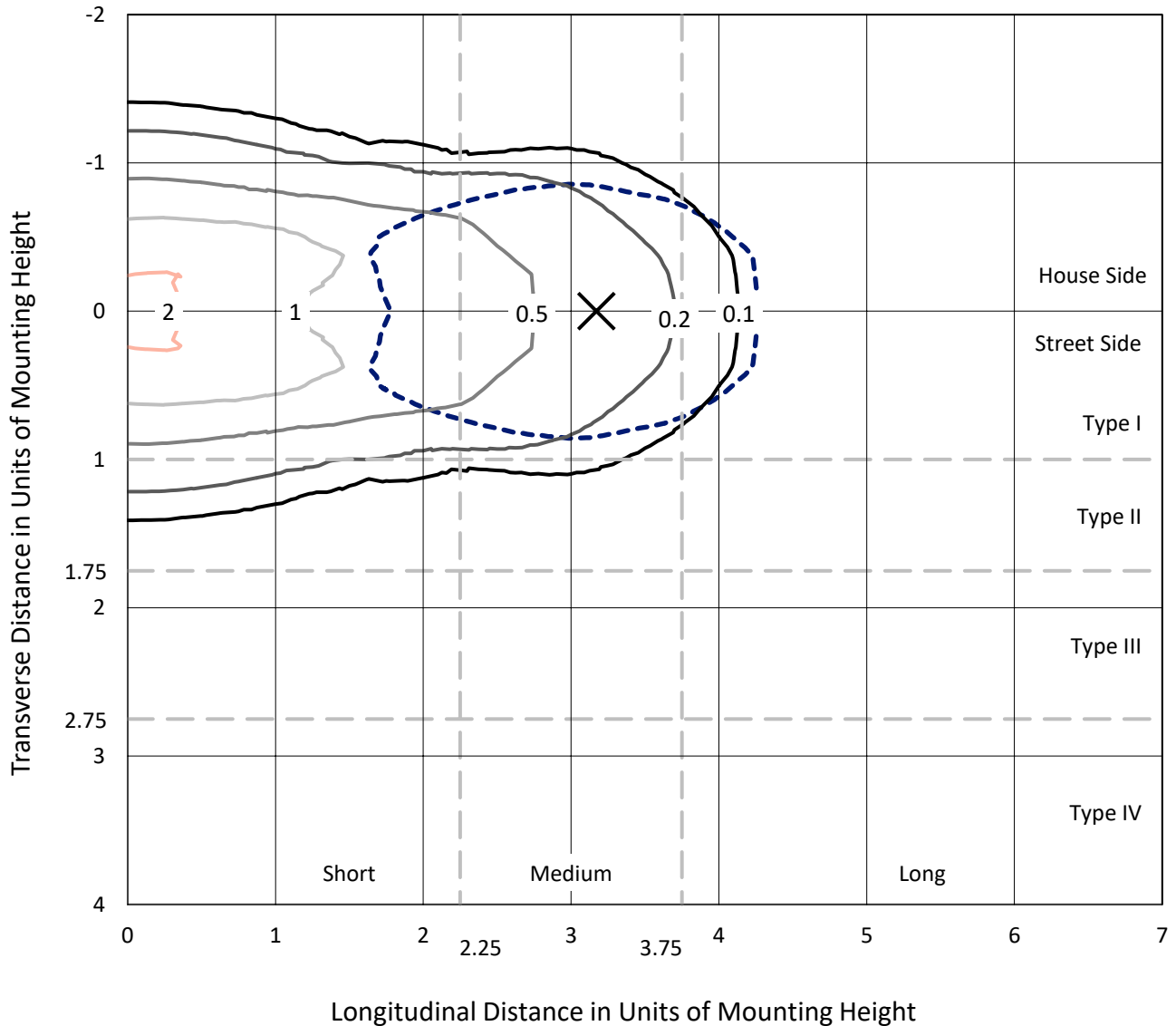
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

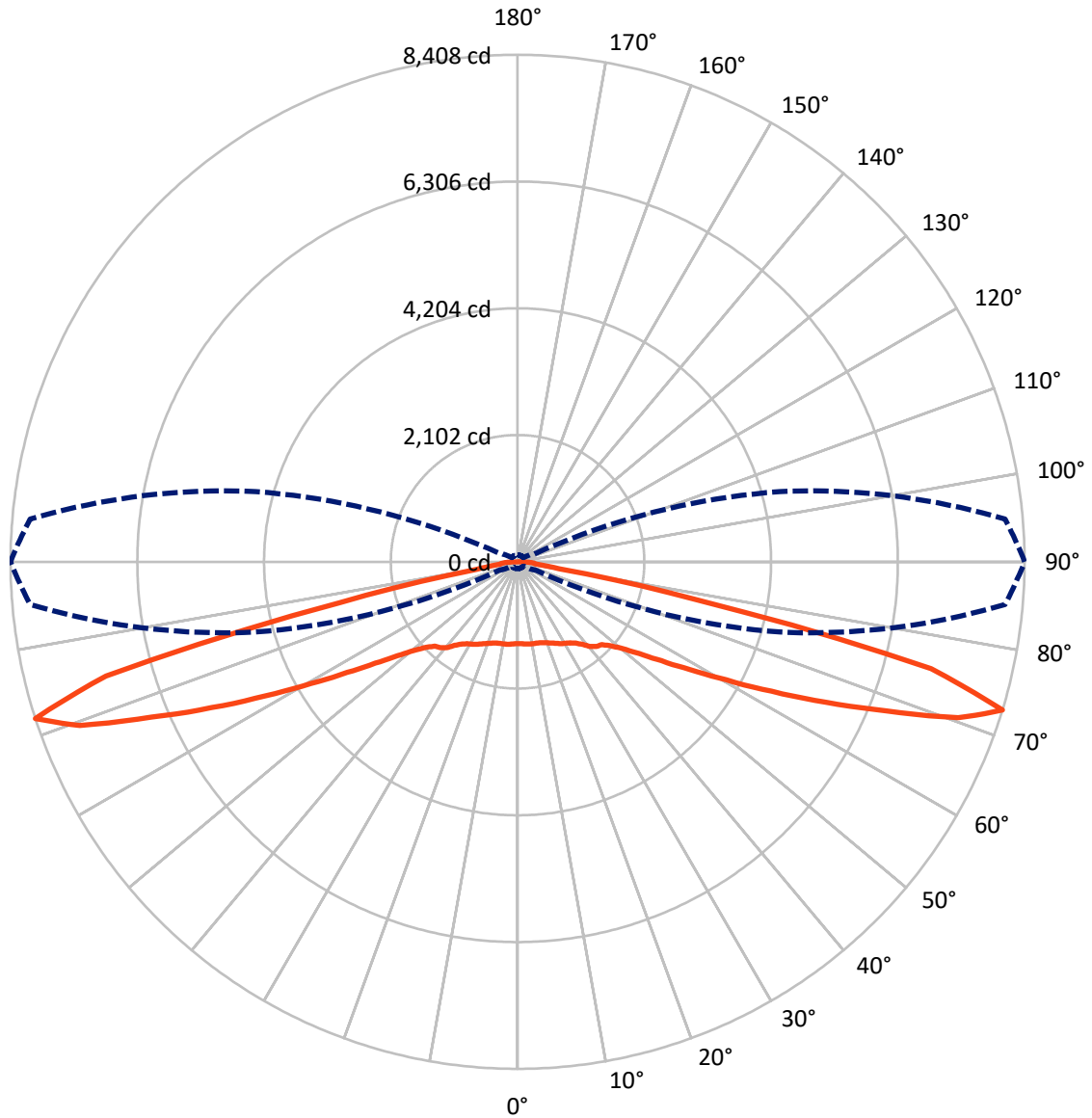
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3636.5	0.0	3636.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3636.5	0.0	3636.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7273.0	0.0	7273.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.8
10°-20°	402.9	5.5
20°-30°	671.8	9.2
30°-40°	924.0	12.7
40°-50°	1128.4	15.5
50°-60°	1305.1	17.9
60°-70°	1556.2	21.4
70°-80°	1086.1	14.9
80°-90°	66.7	0.9
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°	7273.0	100.0
0°-180°	7273.0	100.0

Coefficient of Utilization



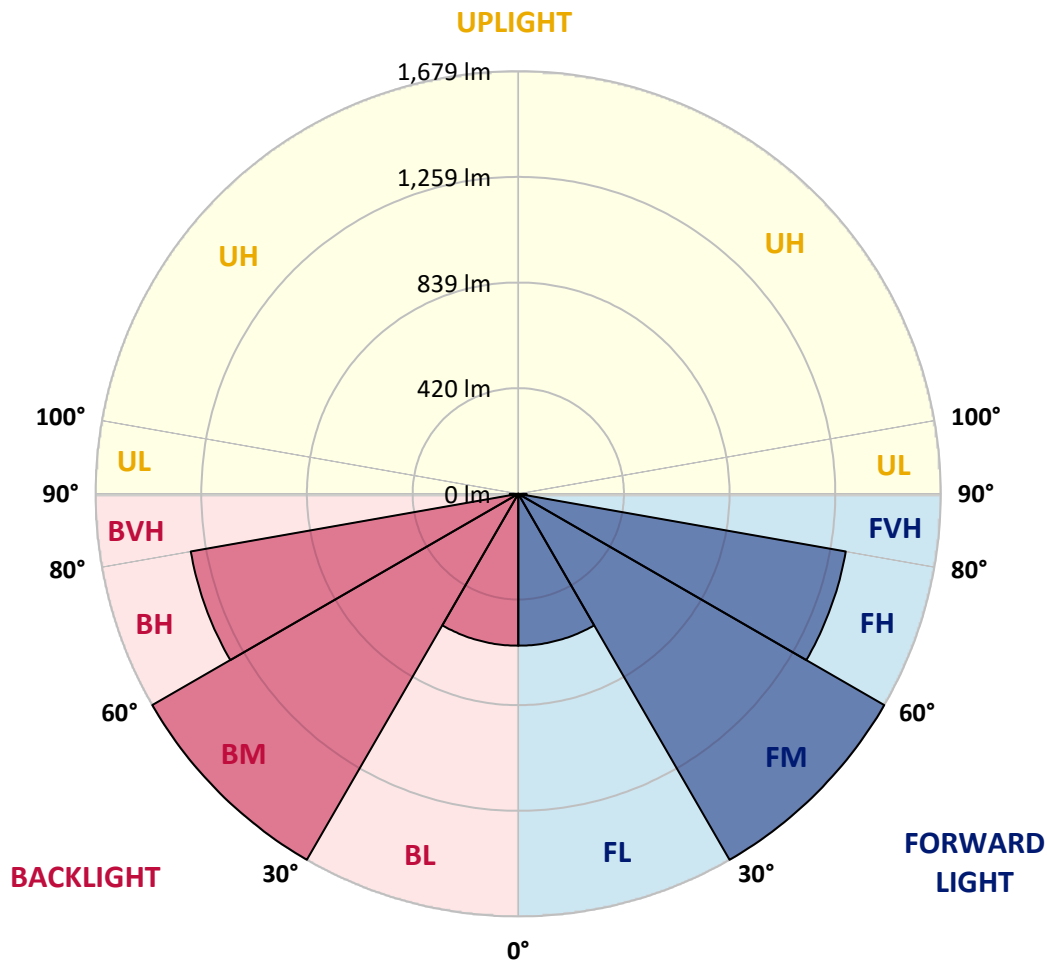
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	603.3	8.3			
FM (30°-60°)	1678.8	23.1			
FH (60°-80°)	1321.1	18.2			G1/1800
FVH (80°-90°)	33.4	0.5			G1/100
BL (0°-30°)	603.3	8.3	B2/1000		
BM (30°-60°)	1678.8	23.1	B2/2500		
BH (60°-80°)	1321.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	33.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0
2.5°	1360.2	1361.7	1361.7	1360.6	1363.3	1361.0	1361.0	1359.8	1361.0	1359.8
5°	1367.2	1369.1	1369.9	1369.5	1373.0	1371.0	1371.0	1369.5	1369.9	1368.7
7.5°	1380.3	1383.0	1384.5	1386.5	1391.5	1389.2	1387.6	1383.0	1381.1	1378.0
10°	1384.5	1387.6	1392.7	1402.7	1414.3	1414.7	1410.1	1398.5	1389.6	1382.6
12.5°	1371.4	1375.7	1386.1	1406.6	1432.5	1442.9	1435.6	1416.2	1398.8	1386.5
15°	1354.8	1359.4	1375.3	1406.2	1444.5	1468.8	1468.0	1442.5	1414.7	1395.4
17.5°	1328.9	1333.5	1356.3	1399.6	1453.7	1493.9	1504.8	1478.5	1439.4	1413.5
20°	1282.1	1286.4	1318.1	1378.7	1456.8	1520.6	1548.8	1525.6	1476.9	1441.8
22.5°	1221.4	1228.0	1265.1	1342.8	1449.5	1548.4	1599.1	1583.2	1520.6	1471.9
25°	1156.5	1163.5	1206.7	1298.7	1430.5	1568.5	1658.6	1648.5	1570.1	1509.4
27.5°	1100.4	1107.8	1154.9	1255.1	1401.2	1576.3	1717.3	1722.4	1630.0	1550.8
30°	1056.4	1063.3	1113.6	1219.9	1363.3	1568.5	1768.8	1803.5	1691.1	1586.7
32.5°	1008.1	1017.0	1069.9	1177.0	1318.5	1550.0	1813.6	1891.3	1761.8	1625.4
35°	947.0	955.1	1010.8	1118.2	1259.7	1520.2	1851.1	1988.7	1863.1	1684.1
37.5°	872.8	880.5	935.8	1044.8	1201.3	1478.5	1879.7	2098.5	1983.7	1768.8
40°	798.2	805.5	857.3	962.8	1131.4	1425.1	1889.7	2205.9	2122.0	1885.1
42.5°	729.8	736.3	783.9	882.1	1052.9	1357.1	1876.6	2299.5	2246.1	1966.3
45°	666.8	672.6	714.7	806.3	971.3	1274.4	1837.2	2400.0	2393.8	2024.3
47.5°	594.9	600.7	644.3	732.9	889.8	1177.4	1770.3	2498.9	2599.0	2155.7
50°	507.1	512.2	557.0	648.2	805.1	1074.2	1677.5	2576.6	2858.0	2354.7
52.5°	403.2	408.6	452.2	543.5	704.6	963.2	1555.4	2627.2	3157.2	2645.4
55°	299.9	303.8	341.7	423.6	580.2	836.8	1402.3	2641.5	3496.5	3042.8
57.5°	217.6	219.9	244.3	305.4	439.9	678.7	1216.4	2604.4	3900.5	3552.2
60°	176.3	177.0	184.4	211.4	305.7	500.2	991.8	2476.9	4338.8	4208.9
62.5°	160.0	160.0	162.0	169.3	206.8	330.1	720.1	2212.5	4808.8	5038.8
65°	148.8	148.8	149.6	153.1	163.1	210.3	454.6	1781.9	5205.0	6010.9
67.5°	138.8	139.2	138.8	139.9	145.7	155.4	263.6	1230.7	5418.4	7018.2
70°	128.3	129.1	127.2	127.2	131.8	132.2	165.0	674.9	5241.3	7862.4
72.5°	116.0	117.1	114.0	113.3	116.7	115.2	124.1	323.9	4500.0	8114.4
75°	105.1	106.7	99.7	97.8	97.8	96.6	100.9	166.2	2920.6	6619.3
77.5°	95.5	98.6	87.4	81.2	79.6	76.1	82.3	101.7	1277.5	3107.7
80°	78.9	83.1	71.9	64.6	61.8	58.0	64.9	71.1	380.0	721.7
82.5°	58.8	60.7	51.0	46.0	43.7	41.0	48.7	49.5	123.7	255.5
85°	37.5	38.3	31.3	27.1	25.9	24.7	30.9	27.1	47.2	187.9
87.5°	13.1	15.1	12.0	10.8	11.6	9.7	14.3	8.1	13.1	132.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1359.0
1359.8
1368.7
1378.0
1381.5
1384.5
1392.3
1409.3
1435.2
1463.0
1497.0
1537.6
1567.8
1601.4
1657.4
1733.2
1847.2
1917.6
1958.5
2079.9
2259.6
2528.3
2896.3
3367.8
3976.6
4727.6
5617.4
6593.4
7750.7
8408.2
7080.1
3043.1
691.1
288.7
272.9
164.3
0.0

OF REPORT)