

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: P846741

Luminaire Tested: **GLAN-SB2C-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846741
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-SB2C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14866 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

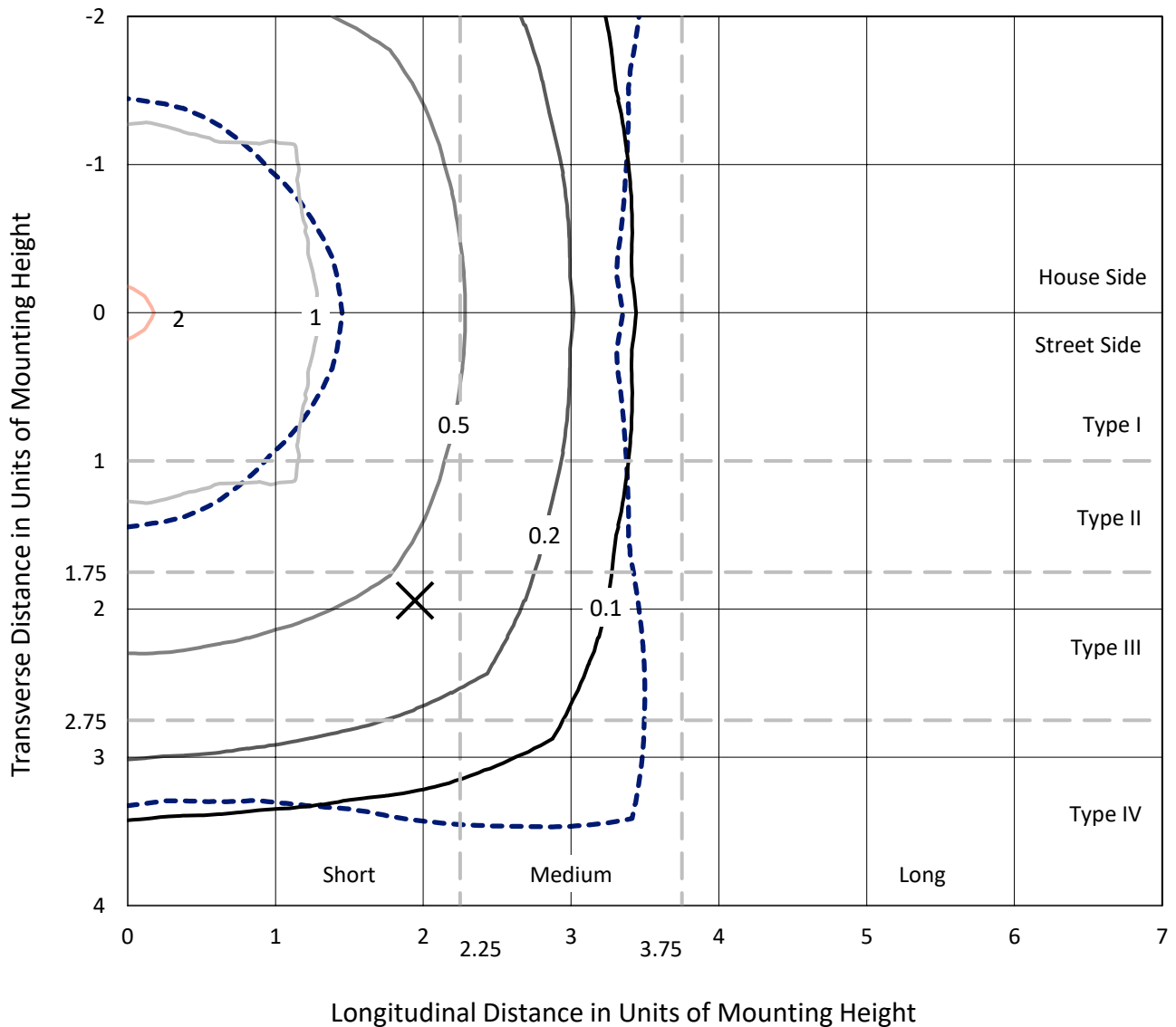
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

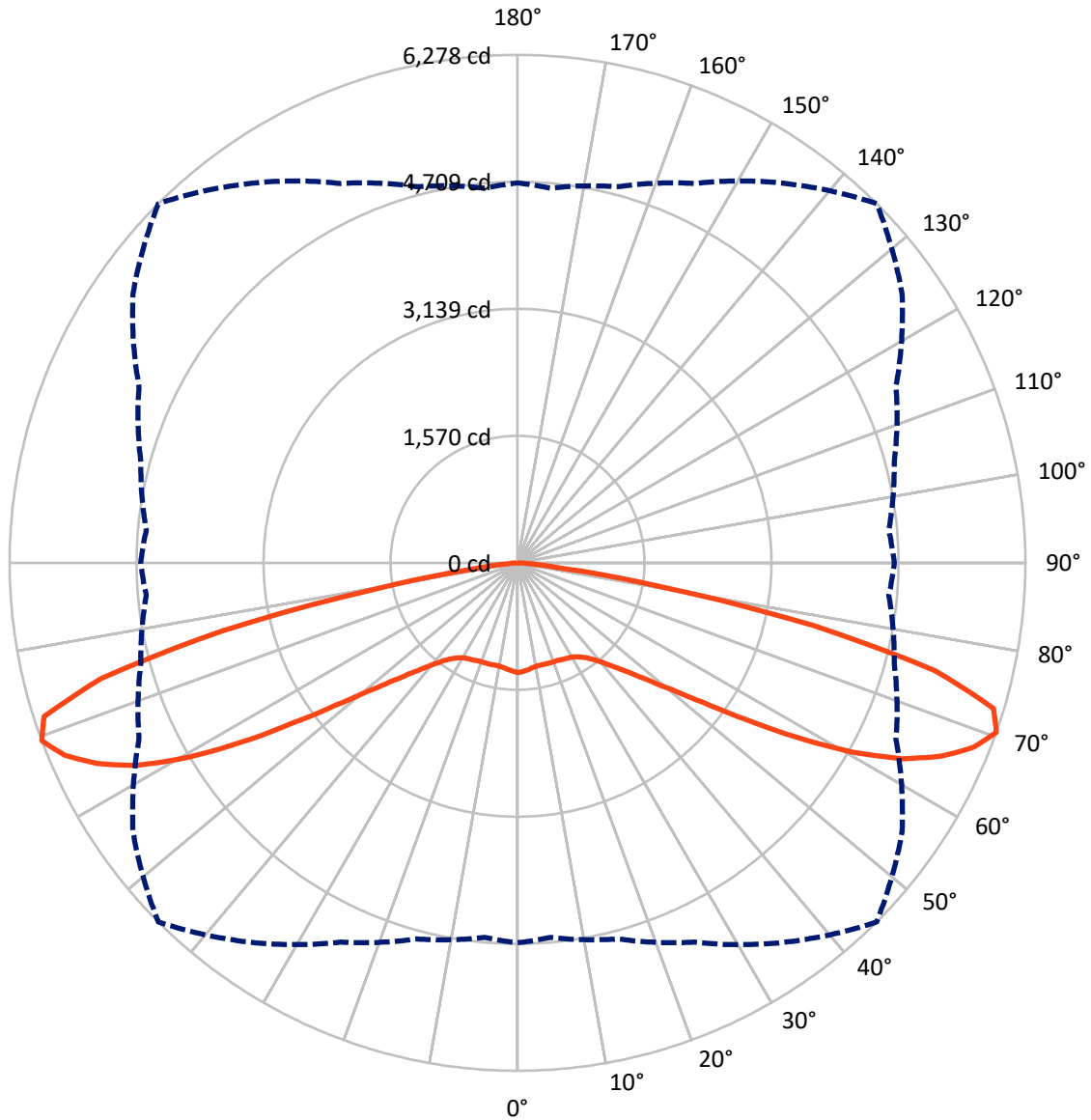
× Max cd
 - - - 1/2 Max cd



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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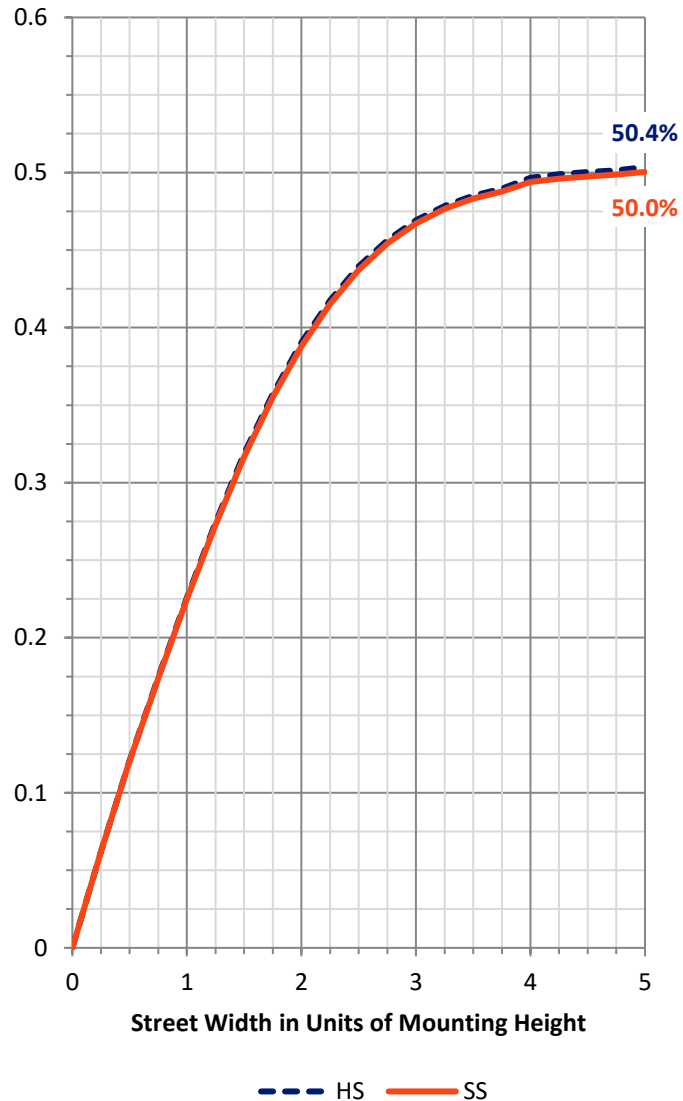
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7433.0	0.0	7433.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7433.0	0.0	7433.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14866.0	0.0	14866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	0.8
10°-20°	370.4	2.5
20°-30°	616.4	4.1
30°-40°	932.2	6.3
40°-50°	1549.1	10.4
50°-60°	2923.0	19.7
60°-70°	4935.6	33.2
70°-80°	3243.2	21.8
80°-90°	169.9	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°	14866.0	100.0
0°-180°	14866.0	100.0

Coefficient of Utilization



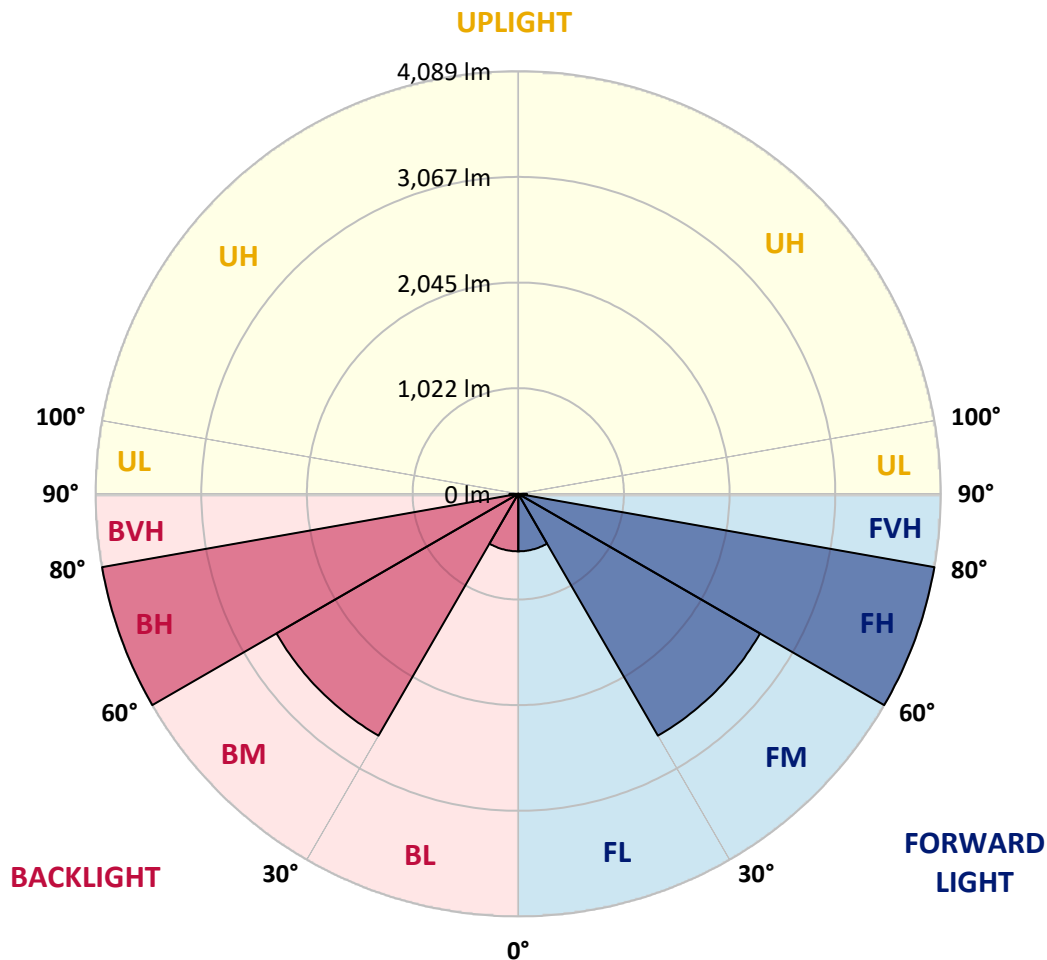
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.5	3.7			
FM (30°-60°)	2702.1	18.2			
FH (60°-80°)	4089.4	27.5			G2/5000
FVH (80°-90°)	85.0	0.6			G1/100
BL (0°-30°)	556.5	3.7	B2/1000		
BM (30°-60°)	2702.1	18.2	B3/5000		
BH (60°-80°)	4089.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	85.0	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°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1347.6	1351.4	1349.9	1346.8	1346.8	1344.5	1346.8	1348.4	1350.7	1352.2
5°	1329.8	1332.9	1332.1	1329.8	1330.6	1328.3	1329.8	1332.1	1333.7	1334.4
7.5°	1314.4	1317.4	1315.9	1312.0	1312.0	1309.7	1310.5	1312.8	1315.1	1315.9
10°	1310.5	1313.6	1308.9	1302.8	1300.4	1297.4	1298.1	1300.4	1305.1	1307.4
12.5°	1312.0	1314.4	1309.7	1300.4	1298.1	1295.0	1295.0	1297.4	1303.5	1306.6
15°	1316.7	1319.0	1312.0	1302.0	1299.7	1297.4	1296.6	1299.7	1306.6	1312.0
17.5°	1325.2	1327.5	1316.7	1302.8	1299.7	1300.4	1299.7	1302.0	1312.8	1322.9
20°	1332.9	1334.4	1319.8	1302.8	1299.7	1300.4	1299.7	1304.3	1318.2	1332.1
22.5°	1335.2	1336.8	1322.9	1308.2	1305.9	1306.6	1305.9	1310.5	1323.6	1337.5
25°	1336.0	1338.3	1327.5	1315.9	1319.8	1321.3	1319.8	1320.5	1330.6	1342.9
27.5°	1347.6	1350.7	1340.6	1330.6	1332.9	1332.1	1334.4	1336.8	1344.5	1356.9
30°	1371.5	1373.9	1365.4	1355.3	1353.8	1348.4	1355.3	1363.0	1371.5	1382.4
32.5°	1410.9	1415.6	1404.8	1393.9	1387.0	1383.9	1389.3	1402.4	1414.0	1425.6
35°	1476.6	1479.7	1469.7	1449.6	1437.2	1437.2	1441.8	1458.8	1477.4	1492.1
37.5°	1569.3	1573.2	1555.4	1531.5	1512.9	1512.9	1519.1	1536.9	1564.7	1585.6
40°	1682.2	1687.6	1665.2	1640.4	1622.7	1619.6	1627.3	1647.4	1673.7	1699.9
42.5°	1818.1	1824.3	1795.0	1773.3	1759.4	1759.4	1763.3	1781.8	1805.8	1838.2
45°	1992.0	2002.8	1962.6	1941.0	1927.9	1931.0	1933.3	1949.5	1971.1	2008.2
47.5°	2199.1	2209.9	2167.4	2145.0	2142.7	2157.4	2148.1	2159.7	2171.3	2213.8
50°	2434.0	2452.5	2423.2	2421.6	2426.3	2453.3	2431.7	2437.9	2424.7	2451.8
52.5°	2721.4	2748.5	2743.1	2752.3	2804.1	2859.7	2810.3	2788.7	2739.2	2747.7
55°	3069.9	3110.9	3118.6	3174.2	3291.7	3405.3	3300.2	3212.9	3107.8	3088.5
57.5°	3466.3	3498.8	3535.8	3649.4	3868.9	4070.6	3868.9	3675.7	3510.4	3470.9
60°	3892.8	3933.0	3968.6	4136.2	4462.3	4745.9	4456.1	4149.4	3930.7	3877.4
62.5°	4351.0	4402.8	4427.5	4613.8	4993.9	5332.4	4999.3	4627.7	4385.0	4327.9
65°	4790.7	4833.2	4861.0	5059.6	5422.8	5762.0	5447.5	5081.2	4831.7	4756.7
67.5°	4995.5	5018.6	5086.6	5311.5	5694.8	6081.9	5759.7	5335.5	5056.5	4925.2
70°	4695.7	4648.5	4812.3	5172.4	5727.2	6278.1	5801.4	5161.6	4820.1	4606.8
72.5°	3628.6	3547.4	3831.8	4447.6	5356.3	6153.0	5393.4	4482.4	4008.7	3576.0
75°	1974.2	1882.3	2274.8	3053.7	4271.5	5333.1	4369.6	3141.0	2532.9	1959.6
77.5°	557.1	522.3	839.1	1477.4	2569.2	3744.5	2668.1	1509.8	995.2	590.3
80°	170.8	165.4	224.1	445.1	1091.0	1793.4	1048.5	450.5	285.1	180.0
82.5°	101.2	92.7	111.3	162.3	278.2	563.3	270.4	169.2	136.0	91.2
85°	58.0	54.1	65.7	78.8	93.5	119.8	78.0	80.4	72.6	48.7
87.5°	24.0	21.6	25.5	24.7	21.6	27.8	20.9	24.7	29.4	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1356.1
1351.4
1334.4
1315.9
1307.4
1307.4
1312.8
1322.9
1332.9
1337.5
1342.2
1353.8
1380.0
1421.0
1486.7
1577.8
1691.4
1835.9
2006.7
2201.4
2435.5
2719.1
3058.3
3443.1
3831.0
4281.5
4719.6
4926.7
4657.8
3683.4
2087.0
656.0
190.1
98.9
51.0
17.8
0.0

OF REPORT)