

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: P846661

Luminaire Tested: **GLAN-SB2B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846661
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-SB2B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7335 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

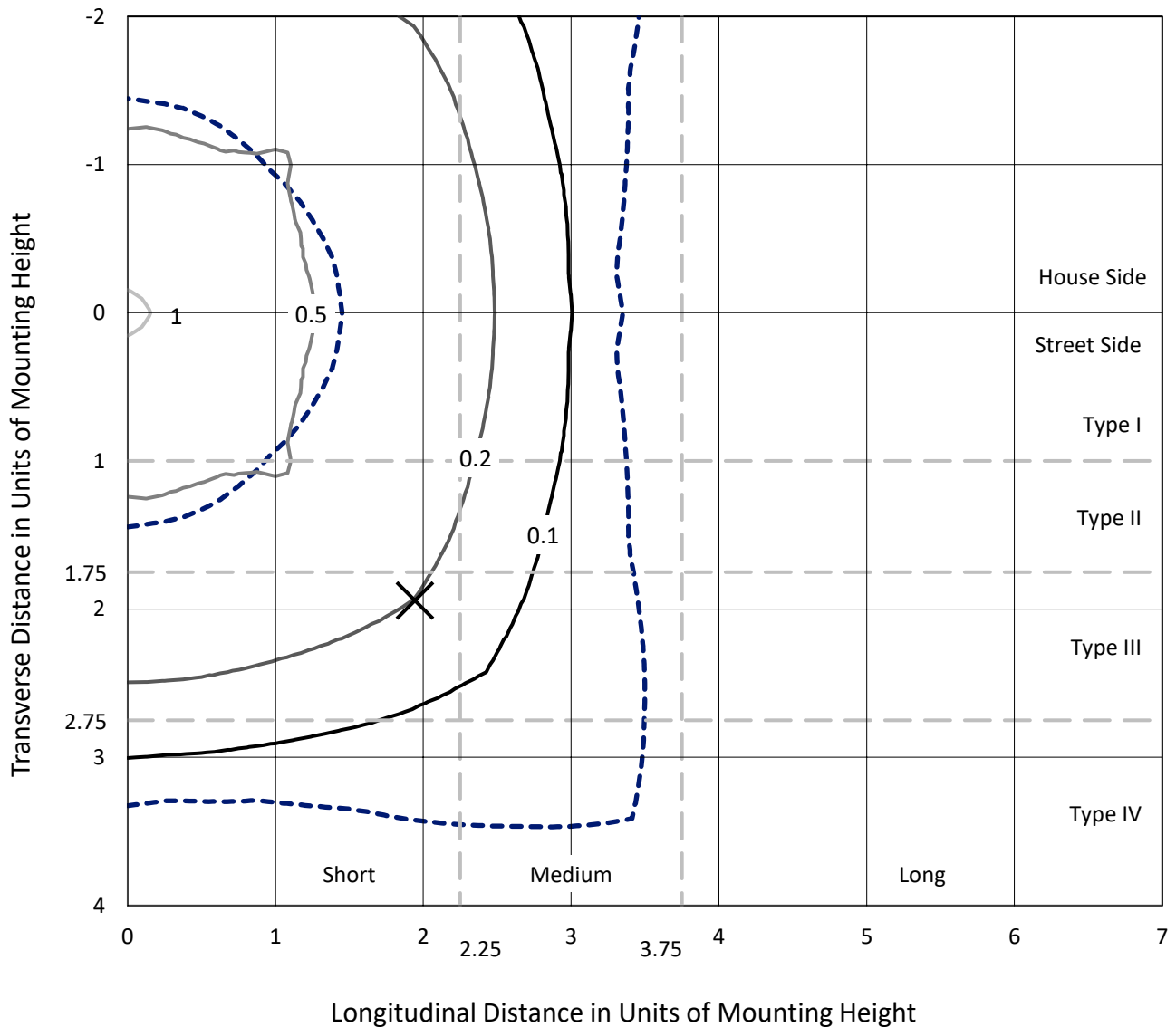
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

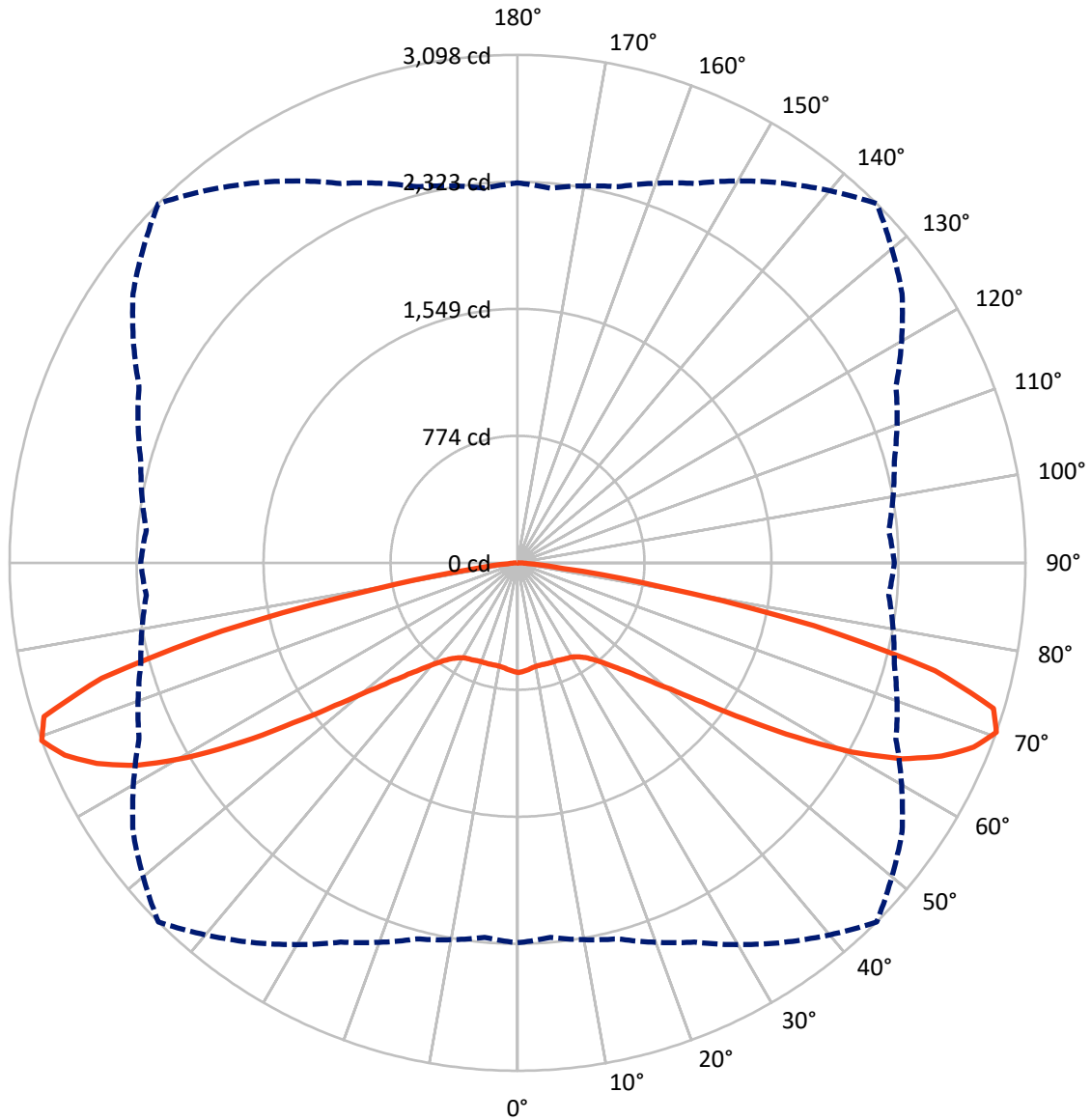
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3667.5	0.0	3667.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3667.5	0.0	3667.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7335.0	0.0	7335.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	0.8
10°-20°	182.8	2.5
20°-30°	304.1	4.1
30°-40°	459.9	6.3
40°-50°	764.3	10.4
50°-60°	1442.2	19.7
60°-70°	2435.3	33.2
70°-80°	1600.2	21.8
80°-90°	83.8	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°	7335.0	100.0
0°-180°	7335.0	100.0

Coefficient of Utilization



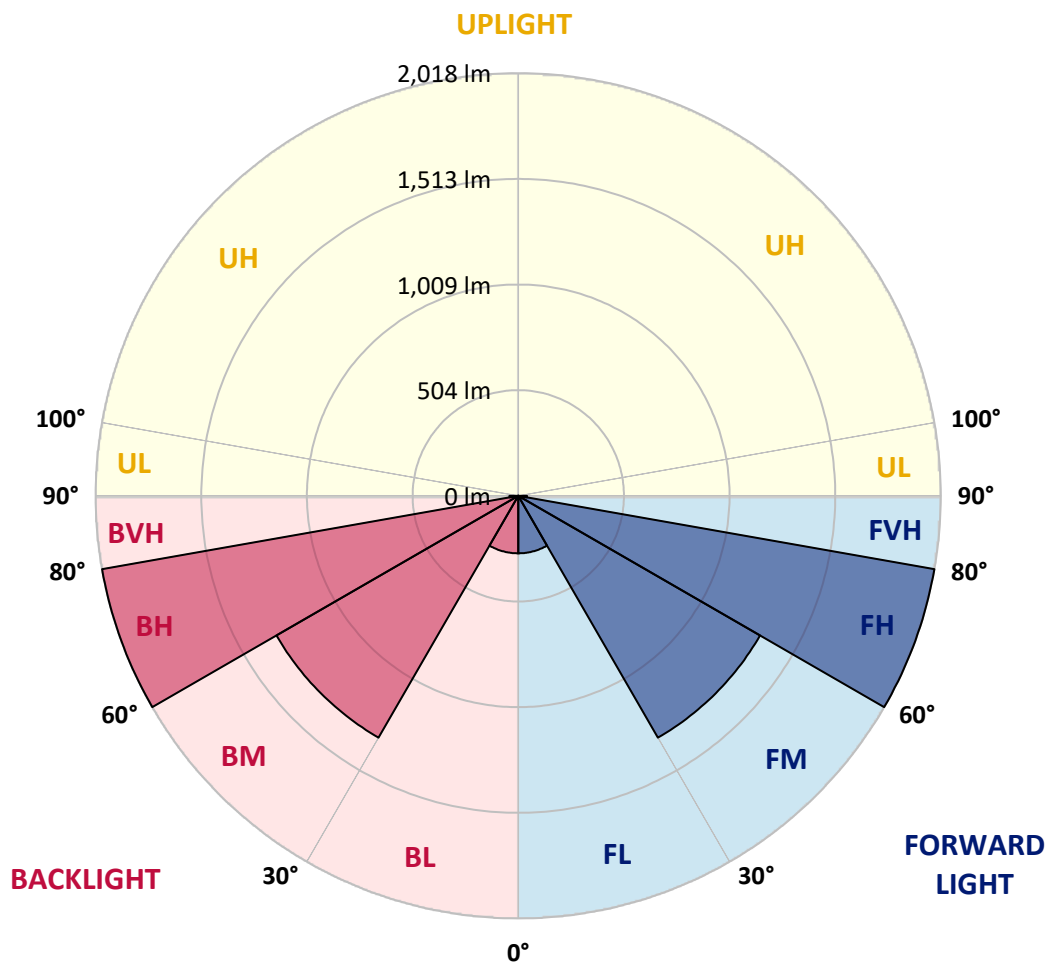
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.6	3.7			
FM (30°-60°)	1333.2	18.2			
FH (60°-80°)	2017.8	27.5			G2/5000
FVH (80°-90°)	41.9	0.6			G1/100
BL (0°-30°)	274.6	3.7	B1/500		
BM (30°-60°)	1333.2	18.2	B2/2500		
BH (60°-80°)	2017.8	27.5	B3/2500		G2/5000
BVH (80°-90°)	41.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	664.9	666.8	666.0	664.5	664.5	663.4	664.5	665.3	666.4	667.2
5°	656.1	657.7	657.3	656.1	656.5	655.4	656.1	657.3	658.0	658.4
7.5°	648.5	650.0	649.3	647.4	647.4	646.2	646.6	647.7	648.9	649.3
10°	646.6	648.1	645.8	642.8	641.6	640.1	640.5	641.6	643.9	645.1
12.5°	647.4	648.5	646.2	641.6	640.5	639.0	639.0	640.1	643.2	644.7
15°	649.7	650.8	647.4	642.4	641.3	640.1	639.7	641.3	644.7	647.4
17.5°	653.8	655.0	649.7	642.8	641.3	641.6	641.3	642.4	647.7	652.7
20°	657.7	658.4	651.2	642.8	641.3	641.6	641.3	643.6	650.4	657.3
22.5°	658.8	659.6	652.7	645.5	644.3	644.7	644.3	646.6	653.1	659.9
25°	659.2	660.3	655.0	649.3	651.2	651.9	651.2	651.6	656.5	662.6
27.5°	664.9	666.4	661.5	656.5	657.7	657.3	658.4	659.6	663.4	669.5
30°	676.7	677.9	673.7	668.7	668.0	665.3	668.7	672.5	676.7	682.1
32.5°	696.2	698.5	693.1	687.8	684.3	682.8	685.5	692.0	697.7	703.4
35°	728.6	730.1	725.1	715.2	709.1	709.1	711.4	719.8	729.0	736.2
37.5°	774.3	776.2	767.5	755.6	746.5	746.5	749.5	758.3	772.0	782.3
40°	830.0	832.7	821.6	809.4	800.6	799.1	802.9	812.8	825.8	838.8
42.5°	897.1	900.1	885.7	875.0	868.1	868.1	870.0	879.2	891.0	907.0
45°	982.9	988.2	968.4	957.7	951.2	952.8	953.9	961.9	972.6	990.9
47.5°	1085.0	1090.4	1069.4	1058.4	1057.2	1064.5	1059.9	1065.6	1071.3	1092.3
50°	1200.9	1210.1	1195.6	1194.8	1197.1	1210.5	1199.8	1202.9	1196.4	1209.7
52.5°	1342.8	1356.1	1353.4	1358.0	1383.6	1411.0	1386.6	1375.9	1351.5	1355.7
55°	1514.7	1534.9	1538.7	1566.2	1624.1	1680.2	1628.3	1585.3	1533.4	1523.9
57.5°	1710.3	1726.3	1744.6	1800.7	1908.9	2008.4	1908.9	1813.6	1732.0	1712.6
60°	1920.8	1940.6	1958.1	2040.8	2201.7	2341.7	2198.7	2047.3	1939.4	1913.1
62.5°	2146.8	2172.4	2184.6	2276.5	2464.0	2631.0	2466.7	2283.3	2163.6	2135.4
65°	2363.8	2384.7	2398.5	2496.4	2675.6	2843.0	2687.8	2507.1	2384.0	2347.0
67.5°	2464.8	2476.2	2509.8	2620.7	2809.8	3000.8	2841.9	2632.6	2494.9	2430.1
70°	2316.9	2293.6	2374.4	2552.1	2825.9	3097.7	2862.5	2546.8	2378.3	2273.0
72.5°	1790.4	1750.3	1890.6	2194.5	2642.8	3035.9	2661.1	2211.7	1977.9	1764.4
75°	974.1	928.7	1122.4	1506.7	2107.6	2631.4	2156.0	1549.8	1249.7	966.9
77.5°	274.9	257.7	414.0	729.0	1267.7	1847.6	1316.5	745.0	491.1	291.3
80°	84.3	81.6	110.6	219.6	538.3	884.9	517.4	222.3	140.7	88.8
82.5°	49.9	45.8	54.9	80.1	137.3	277.9	133.4	83.5	67.1	45.0
85°	28.6	26.7	32.4	38.9	46.1	59.1	38.5	39.7	35.8	24.0
87.5°	11.8	10.7	12.6	12.2	10.7	13.7	10.3	12.2	14.5	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
669.1
666.8
658.4
649.3
645.1
645.1
647.7
652.7
657.7
659.9
662.2
668.0
680.9
701.1
733.5
778.5
834.6
905.9
990.1
1086.2
1201.7
1341.6
1509.0
1698.9
1890.3
2112.5
2328.7
2430.9
2298.2
1817.4
1029.8
323.7
93.8
48.8
25.2
8.8
0.0

OF REPORT)