

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: P846321

Luminaire Tested: **GLAN-SB1D-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846321
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-SB1D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6631 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

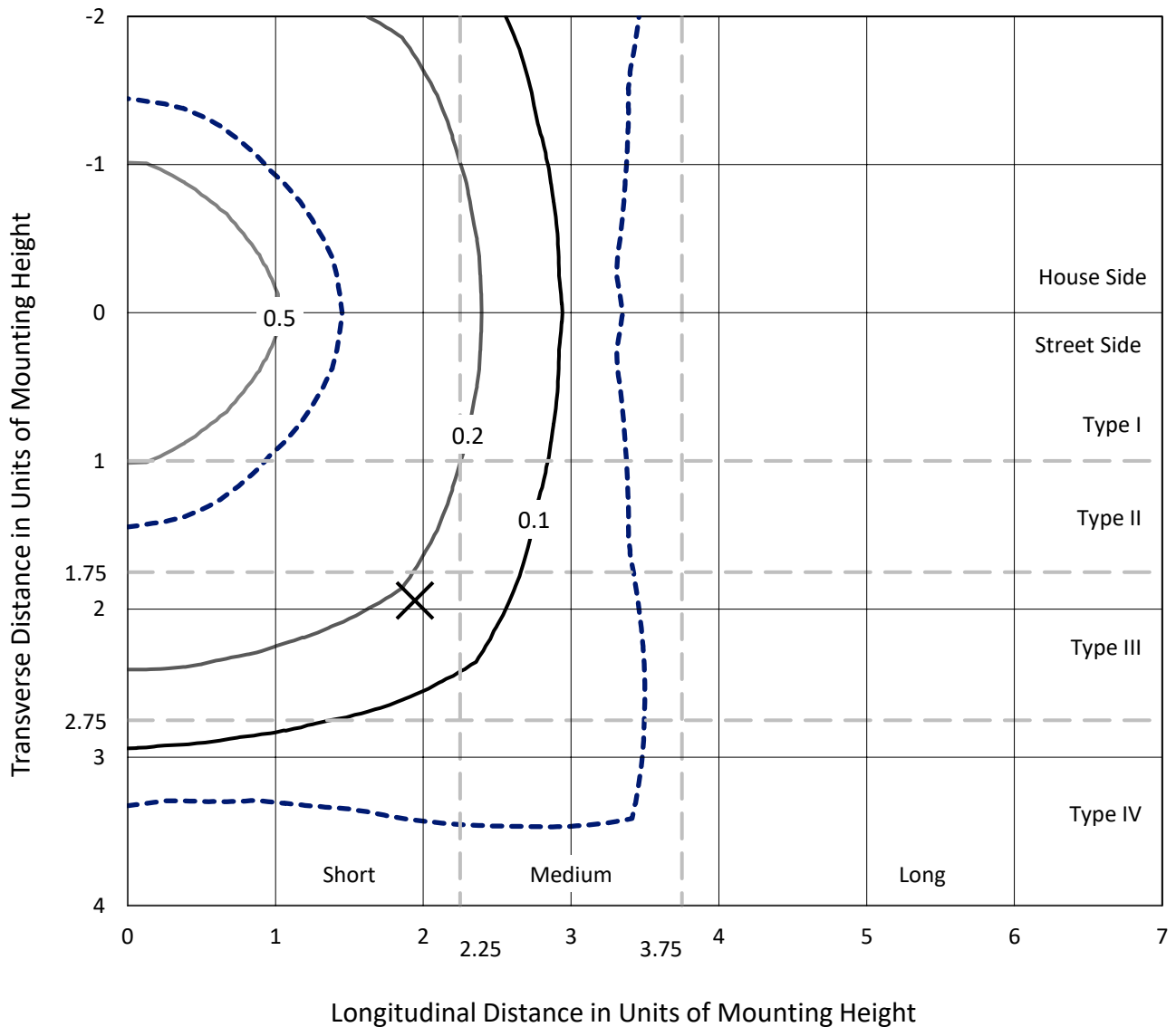
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

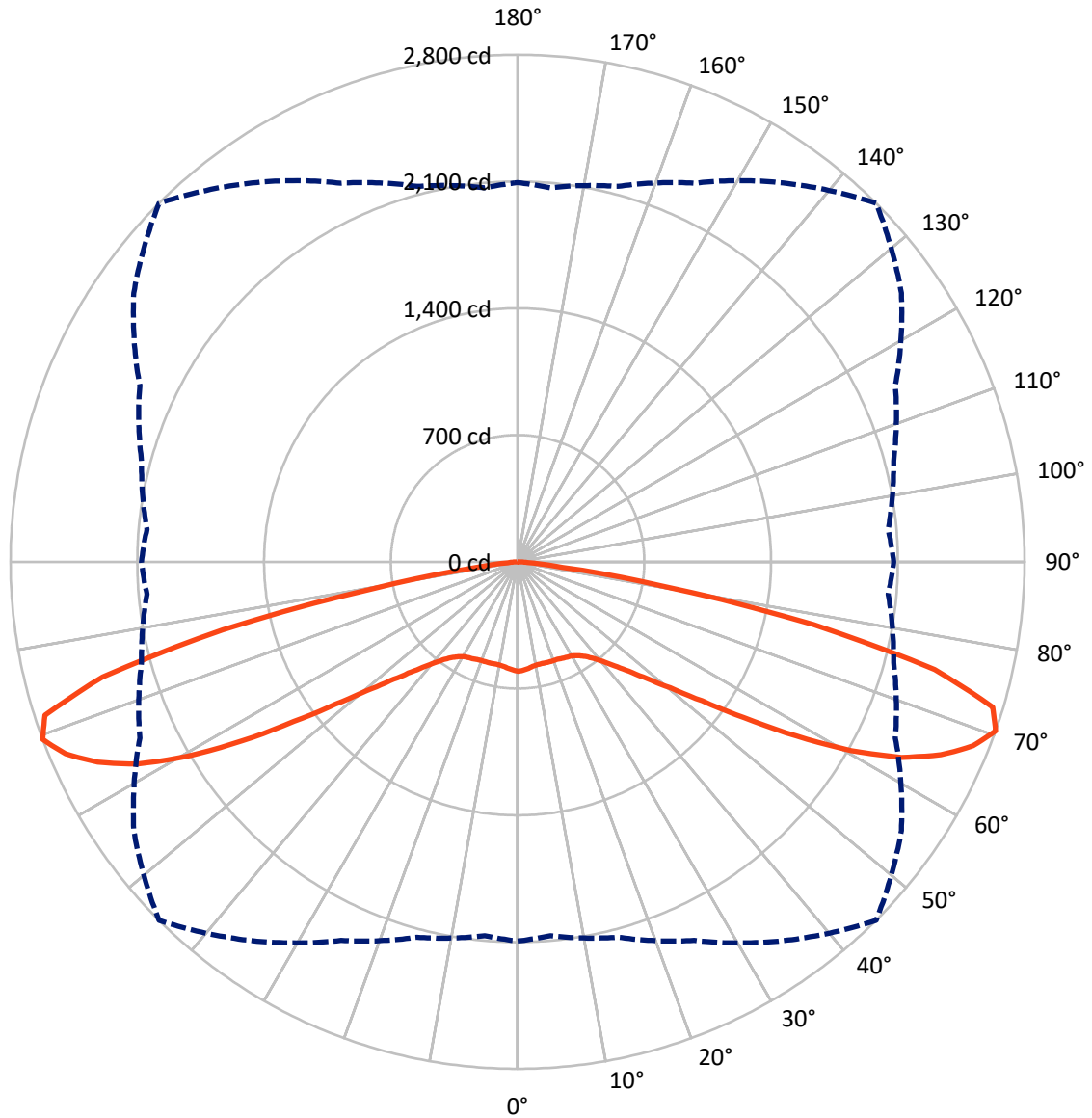
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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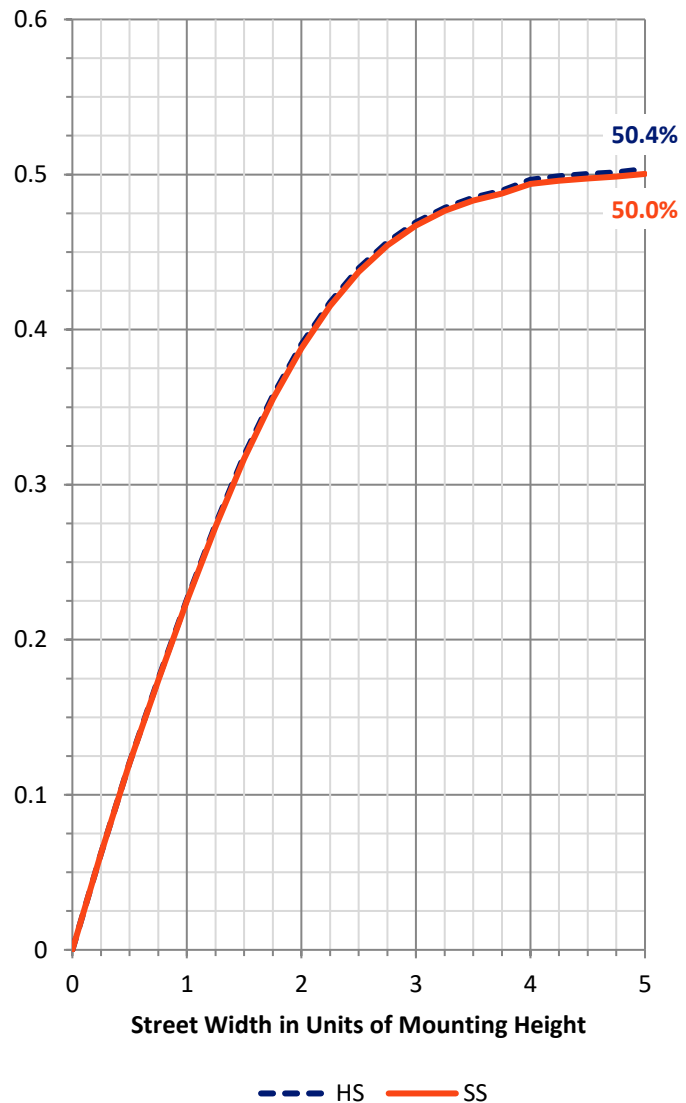
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3315.5	0.0	3315.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3315.5	0.0	3315.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6631.0	0.0	6631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	0.8
10°-20°	165.2	2.5
20°-30°	274.9	4.1
30°-40°	415.8	6.3
40°-50°	691.0	10.4
50°-60°	1303.8	19.7
60°-70°	2201.6	33.2
70°-80°	1446.7	21.8
80°-90°	75.8	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°	6631.0	100.0
0°-180°	6631.0	100.0

Coefficient of Utilization



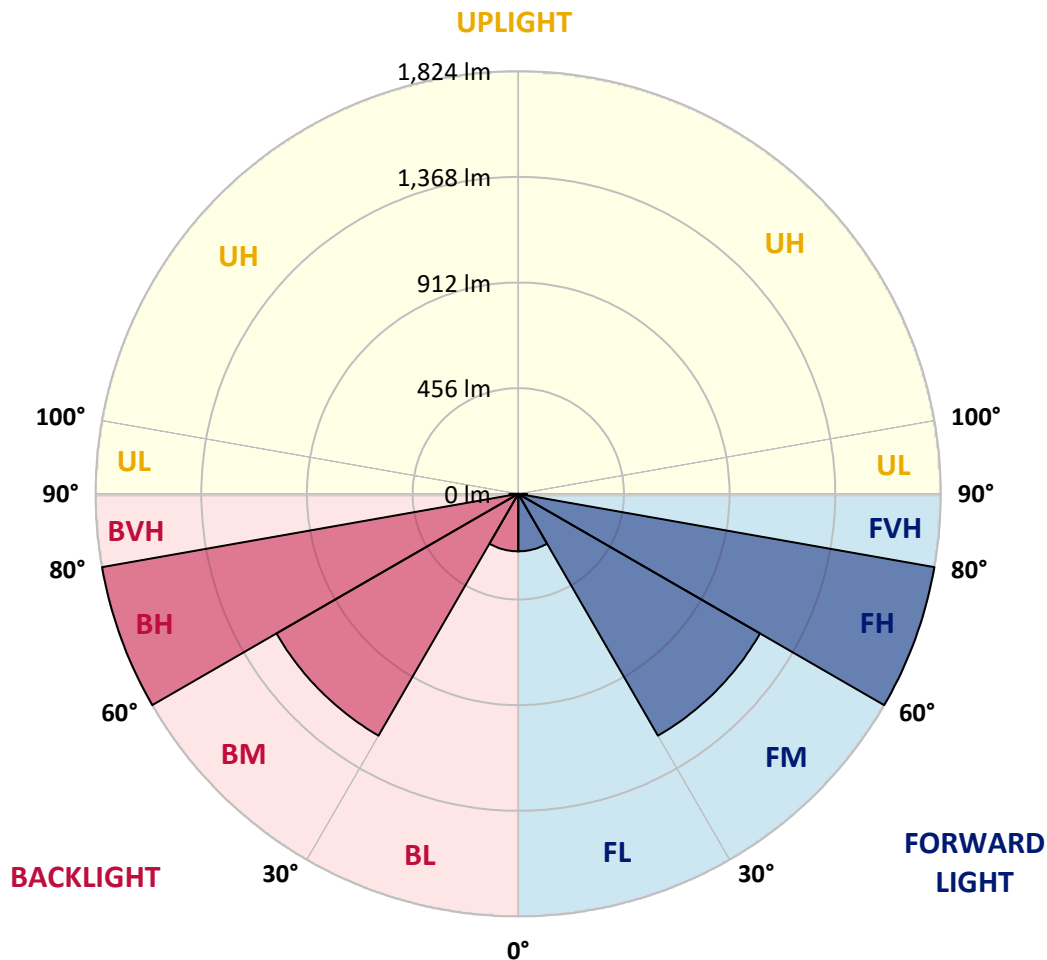
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.2	3.7			
FM (30°-60°)	1205.3	18.2			
FH (60°-80°)	1824.1	27.5			G2/5000
FVH (80°-90°)	37.9	0.6			G1/100
BL (0°-30°)	248.2	3.7	B1/500		
BM (30°-60°)	1205.3	18.2	B2/2500		
BH (60°-80°)	1824.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	37.9	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°	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9
2.5°	601.1	602.8	602.1	600.7	600.7	599.7	600.7	601.4	602.5	603.2
5°	593.2	594.5	594.2	593.2	593.5	592.5	593.2	594.2	594.9	595.2
7.5°	586.3	587.6	587.0	585.2	585.2	584.2	584.5	585.6	586.6	587.0
10°	584.5	585.9	583.9	581.1	580.1	578.7	579.0	580.1	582.1	583.2
12.5°	585.2	586.3	584.2	580.1	579.0	577.7	577.7	578.7	581.4	582.8
15°	587.3	588.3	585.2	580.8	579.7	578.7	578.3	579.7	582.8	585.2
17.5°	591.1	592.1	587.3	581.1	579.7	580.1	579.7	580.8	585.6	590.1
20°	594.5	595.2	588.7	581.1	579.7	580.1	579.7	581.8	588.0	594.2
22.5°	595.6	596.3	590.1	583.5	582.5	582.8	582.5	584.5	590.4	596.6
25°	595.9	597.0	592.1	587.0	588.7	589.4	588.7	589.0	593.5	599.0
27.5°	601.1	602.5	598.0	593.5	594.5	594.2	595.2	596.3	599.7	605.2
30°	611.8	612.8	609.0	604.5	603.8	601.4	604.5	608.0	611.8	616.6
32.5°	629.4	631.4	626.6	621.8	618.7	617.3	619.7	625.6	630.7	635.9
35°	658.6	660.0	655.5	646.6	641.1	641.1	643.1	650.7	659.0	665.5
37.5°	700.0	701.7	693.8	683.1	674.8	674.8	677.6	685.5	697.9	707.2
40°	750.3	752.7	742.7	731.7	723.8	722.4	725.9	734.8	746.5	758.3
42.5°	811.0	813.7	800.6	791.0	784.8	784.8	786.5	794.8	805.5	819.9
45°	888.5	893.4	875.4	865.8	859.9	861.3	862.3	869.6	879.2	895.8
47.5°	980.9	985.7	966.8	956.8	955.7	962.3	958.2	963.3	968.5	987.5
50°	1085.7	1094.0	1080.9	1080.2	1082.2	1094.3	1084.6	1087.4	1081.5	1093.6
52.5°	1213.9	1226.0	1223.5	1227.7	1250.8	1275.6	1253.5	1243.9	1221.8	1225.6
55°	1369.3	1387.6	1391.1	1415.9	1468.3	1518.9	1472.0	1433.1	1386.2	1377.6
57.5°	1546.2	1560.6	1577.2	1627.8	1725.7	1815.7	1725.7	1639.6	1565.8	1548.2
60°	1736.4	1754.3	1770.2	1845.0	1990.4	2116.9	1987.7	1850.8	1753.3	1729.5
62.5°	1940.8	1963.9	1974.9	2058.0	2227.5	2378.5	2230.0	2064.2	1956.0	1930.4
65°	2136.9	2155.9	2168.3	2256.8	2418.8	2570.1	2429.9	2266.5	2155.2	2121.7
67.5°	2228.2	2238.6	2268.9	2369.2	2540.2	2712.8	2569.1	2379.9	2255.5	2196.9
70°	2094.5	2073.5	2146.6	2307.2	2554.6	2800.4	2587.7	2302.3	2150.0	2054.9
72.5°	1618.5	1582.3	1709.2	1983.9	2389.2	2744.5	2405.7	1999.4	1788.1	1595.1
75°	880.6	839.6	1014.7	1362.1	1905.3	2378.9	1949.1	1401.0	1129.8	874.1
77.5°	248.5	233.0	374.3	659.0	1146.0	1670.2	1190.1	673.5	443.9	263.3
80°	76.2	73.8	100.0	198.5	486.7	800.0	467.7	200.9	127.2	80.3
82.5°	45.2	41.4	49.6	72.4	124.1	251.3	120.6	75.5	60.7	40.7
85°	25.8	24.1	29.3	35.2	41.7	53.4	34.8	35.8	32.4	21.7
87.5°	10.7	9.7	11.4	11.0	9.7	12.4	9.3	11.0	13.1	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
604.9
602.8
595.2
587.0
583.2
583.2
585.6
590.1
594.5
596.6
598.7
603.8
615.6
633.8
663.1
703.8
754.5
818.9
895.1
981.9
1086.4
1212.9
1364.2
1535.8
1708.8
1909.8
2105.2
2197.6
2077.6
1643.0
930.9
292.6
84.8
44.1
22.7
7.9
0.0

OF REPORT)