

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: P946048

Luminaire Tested: **GLAN-SB1D-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-827-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9270 lumens
Efficiency: N/A
Efficacy: 116.5 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



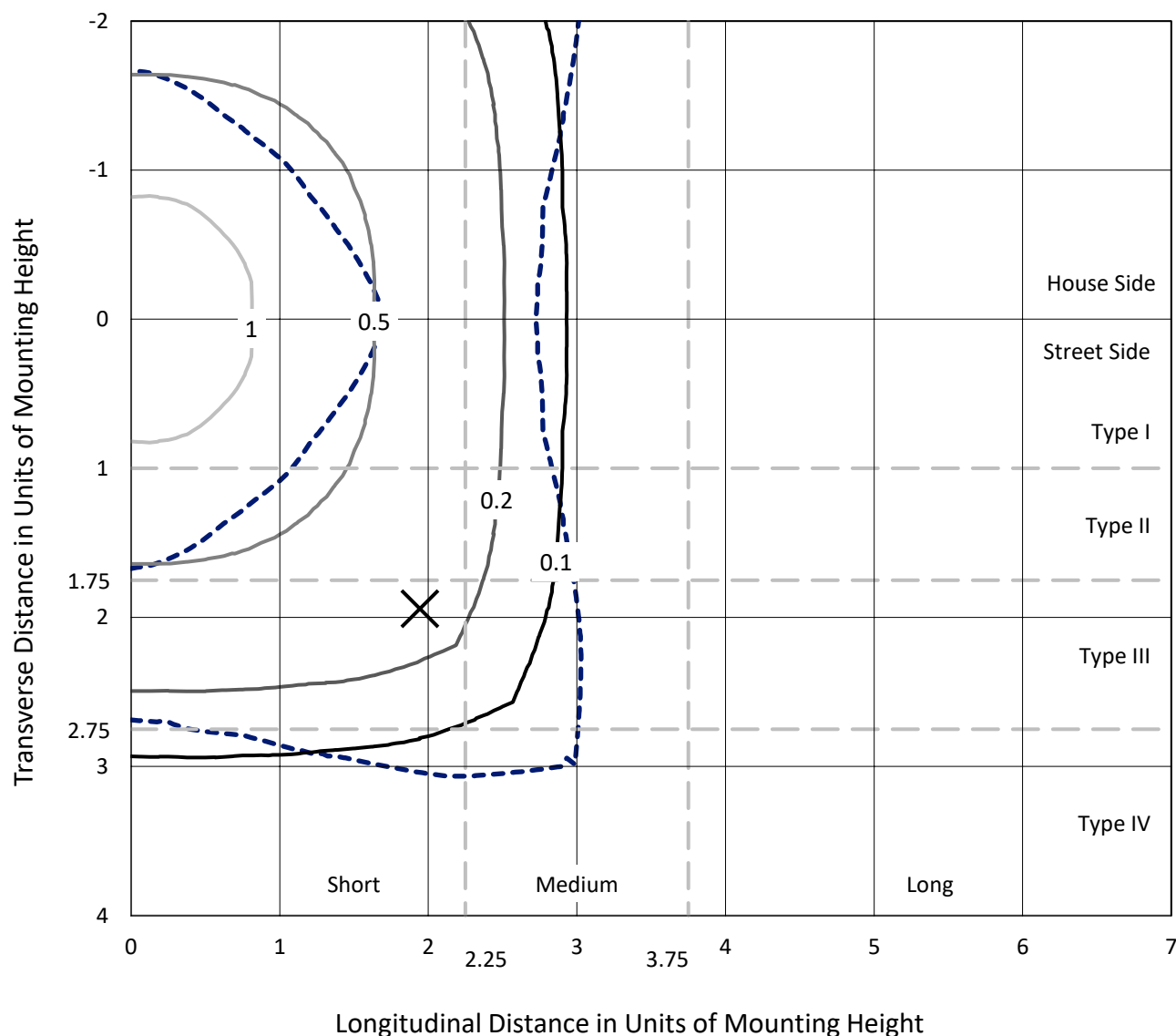
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

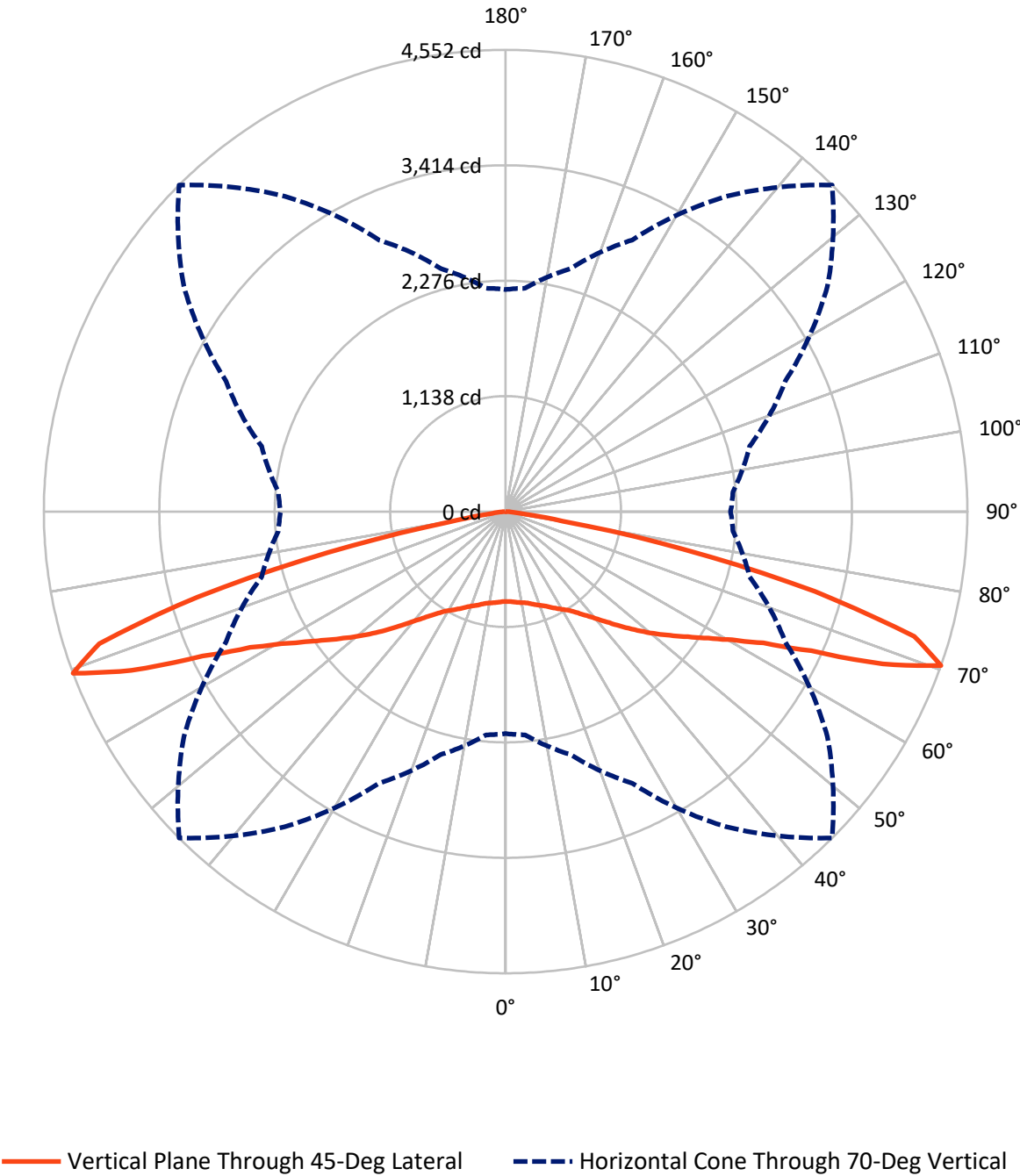


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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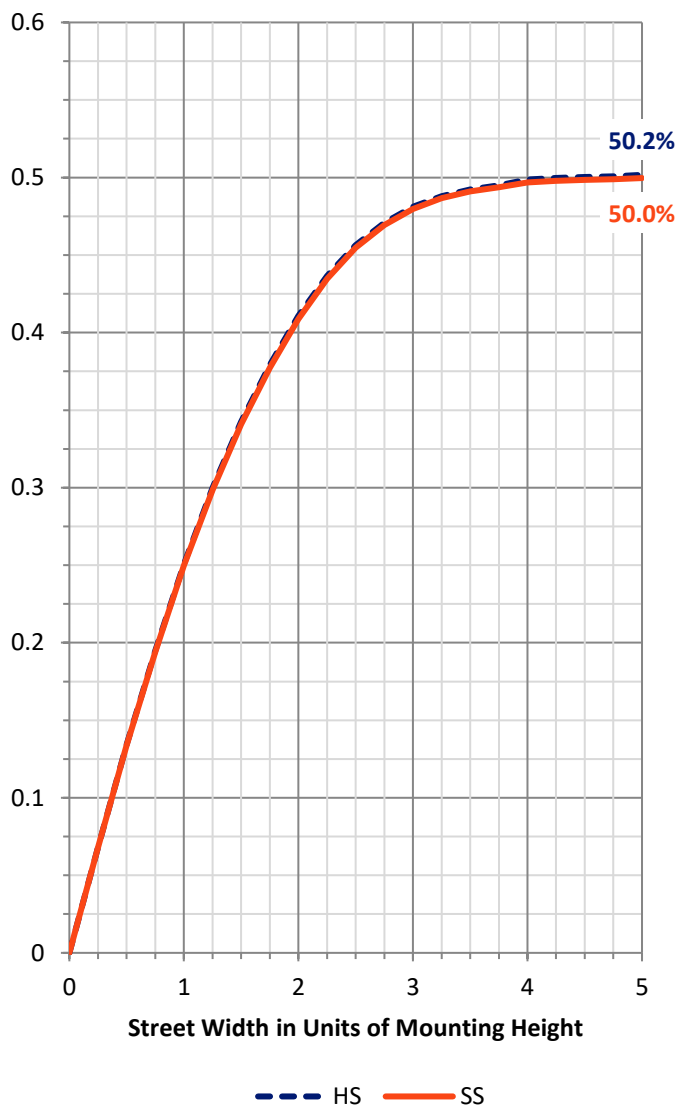
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4635.0	0.0	4635.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4635.0	0.0	4635.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9270.0	0.0	9270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	0.9
10°-20°	267.5	2.9
20°-30°	478.1	5.2
30°-40°	774.9	8.4
40°-50°	1262.2	13.6
50°-60°	1924.5	20.8
60°-70°	2863.0	30.9
70°-80°	1560.4	16.8
80°-90°	53.1	0.6
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°	9270.0	100.0
0°-180°	9270.0	100.0

Coefficient of Utilization



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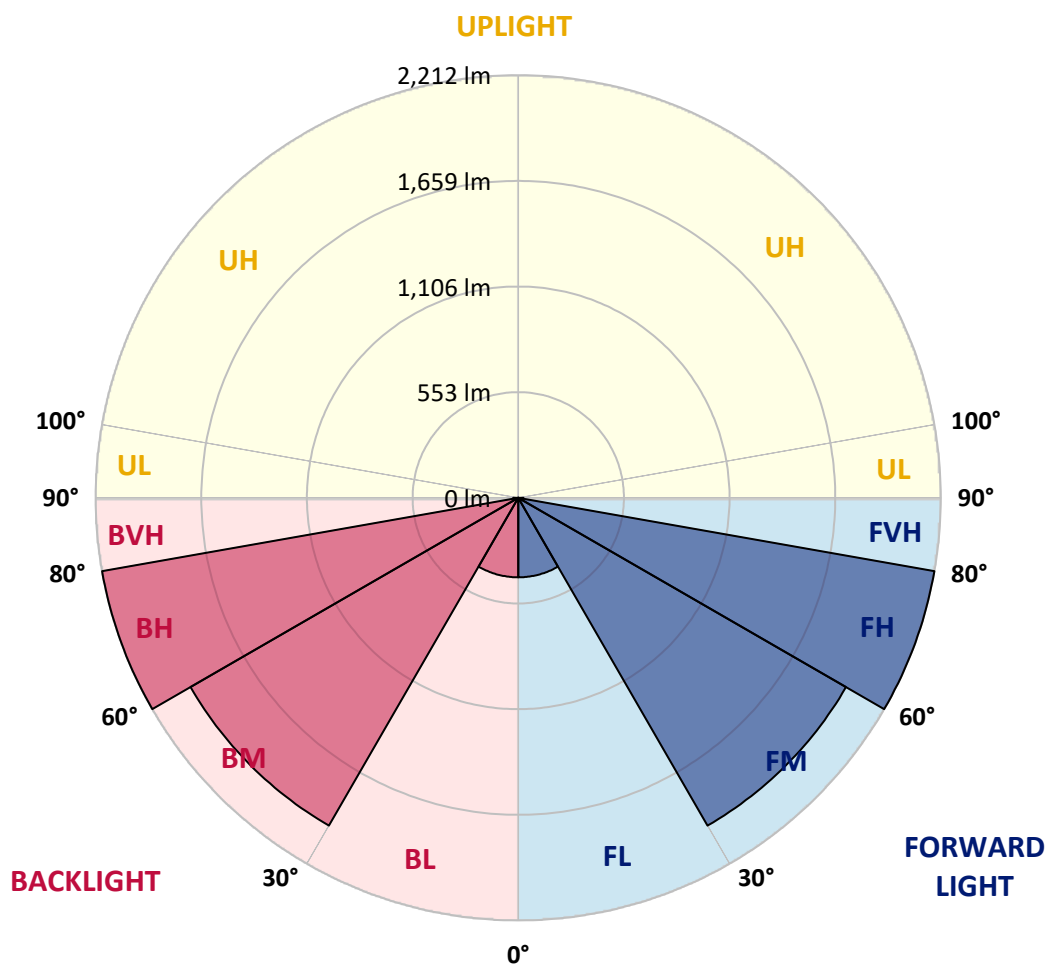
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.9	4.5			
FM	(30°-60°)	1980.8	21.4			
FH	(60°-80°)	2211.7	23.9			G2/5000
FVH	(80°-90°)	26.6	0.3			G1/100
BL	(0°-30°)	415.9	4.5	B1/500		
BM	(30°-60°)	1980.8	21.4	B2/2500		
BH	(60°-80°)	2211.7	23.9	B3/2500		G2/5000
BVH	(80°-90°)	26.6	0.3			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°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0
2.5°	892.2	893.1	891.2	890.3	889.4	888.0	888.4	890.8	892.6	892.2
5°	899.6	900.5	899.1	898.7	896.8	896.3	896.3	898.7	900.1	899.1
7.5°	908.0	909.4	907.1	906.6	905.7	904.7	904.3	906.6	908.0	908.0
10°	915.9	917.3	915.4	914.0	913.1	913.1	912.2	914.0	916.4	915.9
12.5°	924.3	925.2	923.3	922.4	922.4	923.8	922.4	923.3	925.2	924.3
15°	934.5	935.0	934.5	935.9	938.2	942.9	938.7	937.8	938.7	936.4
17.5°	948.5	949.4	951.3	954.5	957.8	966.2	958.7	956.4	956.4	951.7
20°	965.7	967.1	969.9	975.5	979.7	987.6	980.1	976.9	975.5	969.4
22.5°	983.8	986.2	990.4	997.8	1005.2	1012.7	1005.2	999.7	995.5	987.6
25°	1004.8	1007.6	1014.1	1026.2	1036.4	1047.1	1038.3	1027.1	1018.7	1007.6
27.5°	1034.6	1037.8	1045.7	1060.6	1073.7	1083.0	1074.6	1060.2	1048.5	1035.0
30°	1076.5	1079.7	1089.0	1104.8	1113.7	1119.7	1114.2	1103.0	1089.0	1073.7
32.5°	1130.4	1134.6	1144.9	1159.8	1161.6	1162.6	1160.7	1155.1	1144.9	1126.3
35°	1198.9	1203.5	1215.1	1227.2	1225.4	1227.2	1224.4	1222.6	1215.1	1193.7
37.5°	1282.6	1288.2	1300.3	1309.6	1305.0	1302.6	1303.1	1303.6	1299.4	1275.6
40°	1379.9	1387.3	1396.2	1406.0	1398.0	1391.1	1395.7	1399.4	1395.7	1371.5
42.5°	1480.0	1490.7	1500.0	1513.9	1507.4	1498.6	1505.1	1509.3	1501.4	1475.3
45°	1591.2	1601.4	1613.5	1634.5	1629.8	1620.5	1629.8	1630.7	1617.2	1586.5
47.5°	1706.1	1716.8	1735.0	1762.9	1761.0	1750.8	1762.9	1756.4	1739.2	1702.4
50°	1815.0	1829.9	1857.8	1896.9	1900.7	1888.1	1904.4	1891.8	1863.0	1816.9
52.5°	1917.4	1933.2	1977.5	2030.5	2044.0	2027.7	2049.6	2027.7	1984.4	1925.3
55°	2024.9	2042.6	2095.2	2164.5	2191.5	2179.4	2199.9	2166.9	2105.4	2033.8
57.5°	2151.5	2162.2	2225.0	2307.4	2353.0	2355.8	2365.1	2309.3	2234.8	2153.4
60°	2288.8	2303.7	2372.1	2470.8	2542.9	2566.2	2556.4	2473.6	2387.0	2293.5
62.5°	2464.7	2481.0	2562.9	2681.1	2795.2	2852.9	2814.7	2694.6	2587.6	2475.4
65°	2610.4	2628.5	2776.5	2987.4	3194.9	3310.8	3214.9	2993.9	2801.2	2643.0
67.5°	2504.7	2527.1	2759.3	3146.5	3662.6	4008.4	3680.3	3194.0	2816.6	2602.0
70°	2189.2	2210.2	2481.0	2954.3	3794.4	4552.0	3873.5	3041.3	2489.9	2249.7
72.5°	1453.4	1520.9	1795.0	2362.8	3388.1	4212.3	3421.6	2314.9	1665.2	1450.2
75°	482.1	536.1	723.2	1224.9	2269.3	3150.2	2160.4	1083.9	572.9	412.3
77.5°	121.5	140.1	193.1	350.4	905.2	1793.6	814.9	286.2	155.9	108.9
80°	59.1	65.2	93.1	116.8	226.6	570.1	212.7	109.8	73.5	56.8
82.5°	32.6	33.0	52.6	66.1	84.2	147.5	87.5	64.2	42.4	34.4
85°	20.0	19.5	27.9	35.4	35.4	52.6	41.9	35.4	24.2	21.4
87.5°	7.9	7.9	10.2	11.2	9.8	13.5	10.7	11.6	9.3	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
888.0
892.6
899.6
908.0
915.9
923.8
936.4
951.7
969.4
987.1
1007.1
1034.6
1073.7
1126.7
1193.7
1275.6
1371.5
1477.2
1589.8
1700.1
1816.0
1919.7
2024.0
2142.2
2278.6
2455.9
2616.9
2569.9
2217.6
1403.2
390.0
97.3
52.1
34.4
22.3
9.3
0.0

OF REPORT)