

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: P846221

Luminaire Tested: **GLAN-SB1D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846221
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9946 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

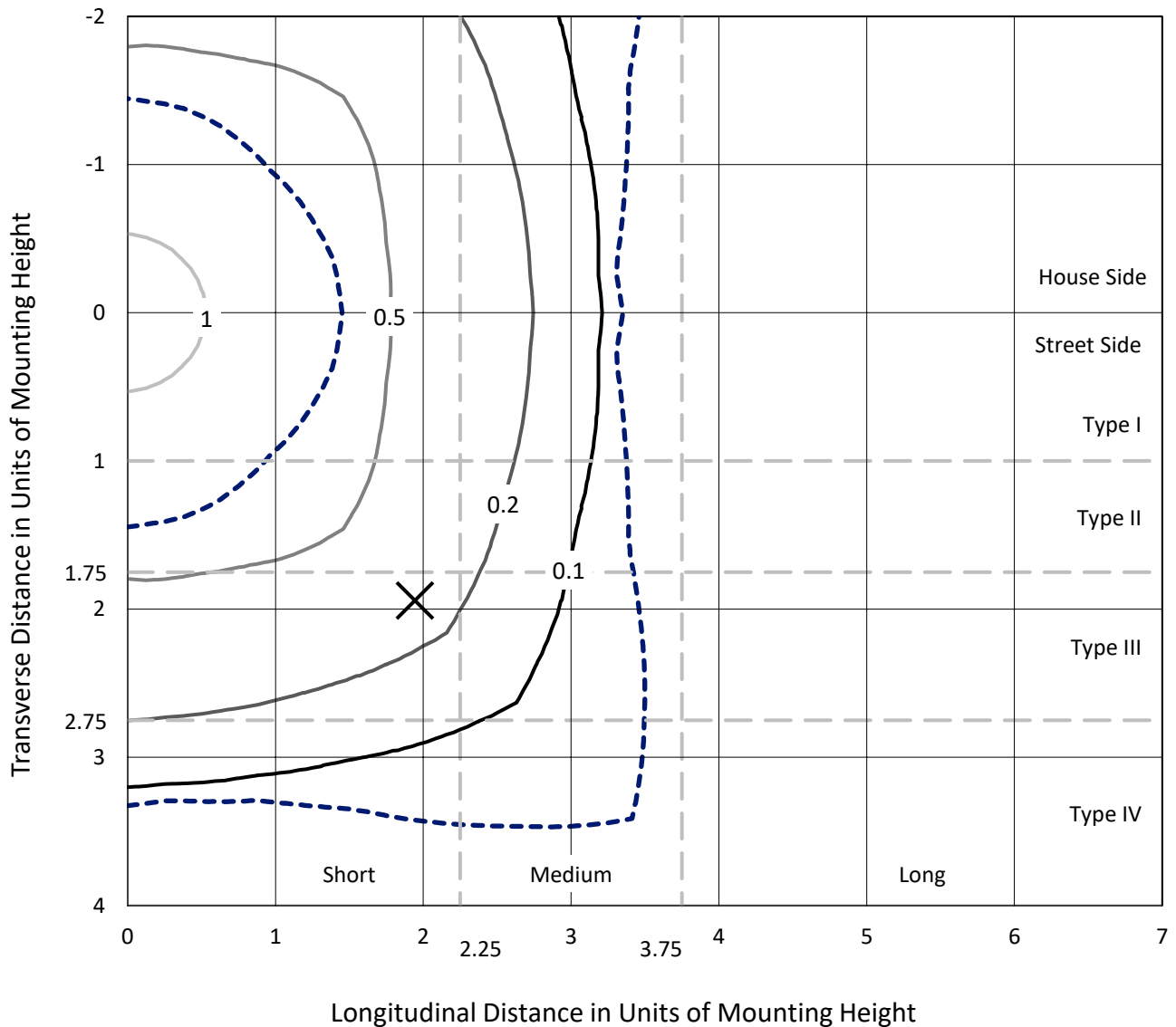
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

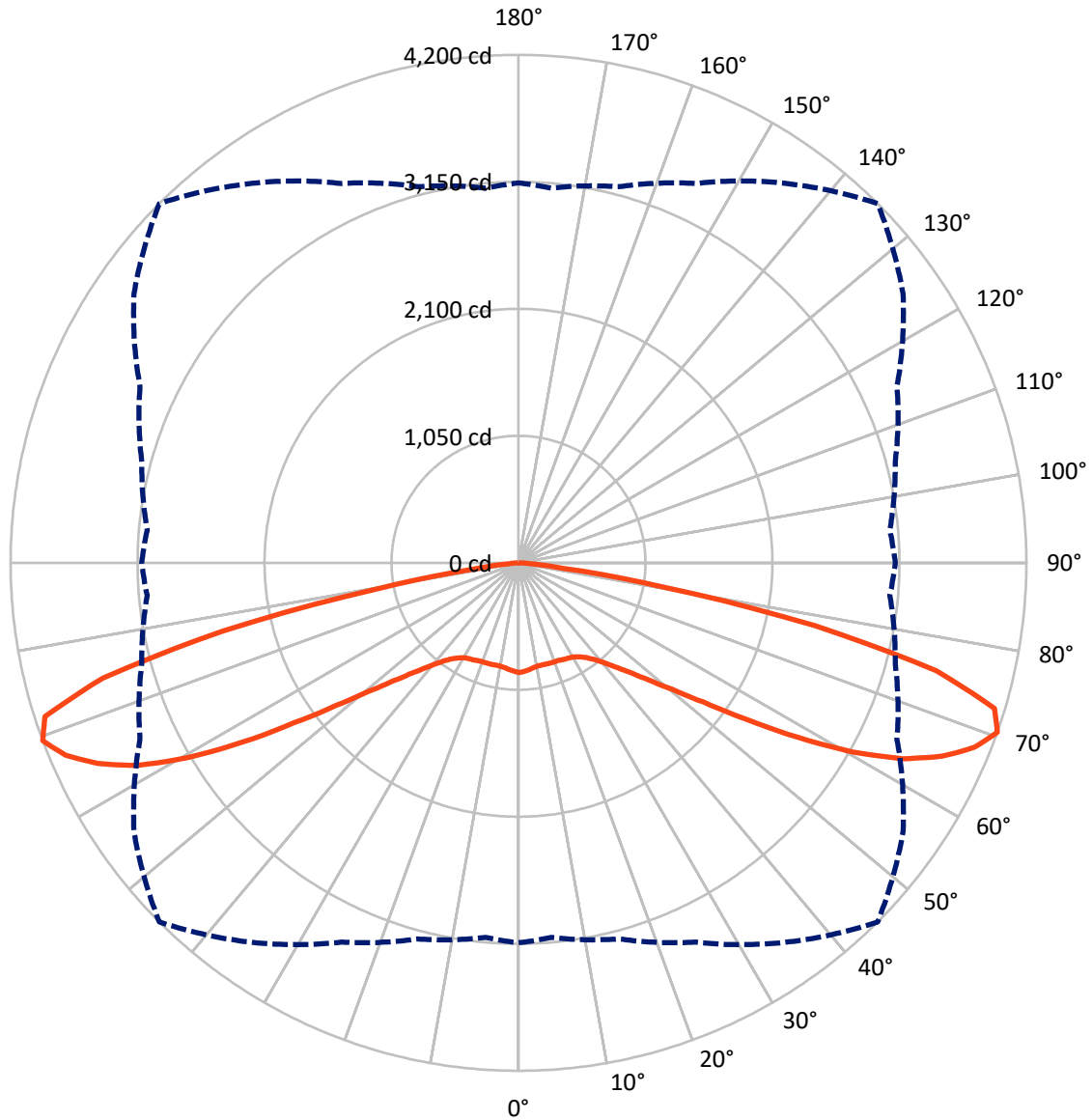
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	4973.0	0.0	4973.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4973.0	0.0	4973.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9946.0	0.0	9946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	0.8
10°-20°	247.8	2.5
20°-30°	412.4	4.1
30°-40°	623.7	6.3
40°-50°	1036.4	10.4
50°-60°	1955.6	19.7
60°-70°	3302.2	33.2
70°-80°	2169.9	21.8
80°-90°	113.7	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°	9946.0	100.0
0°-180°	9946.0	100.0

Coefficient of Utilization



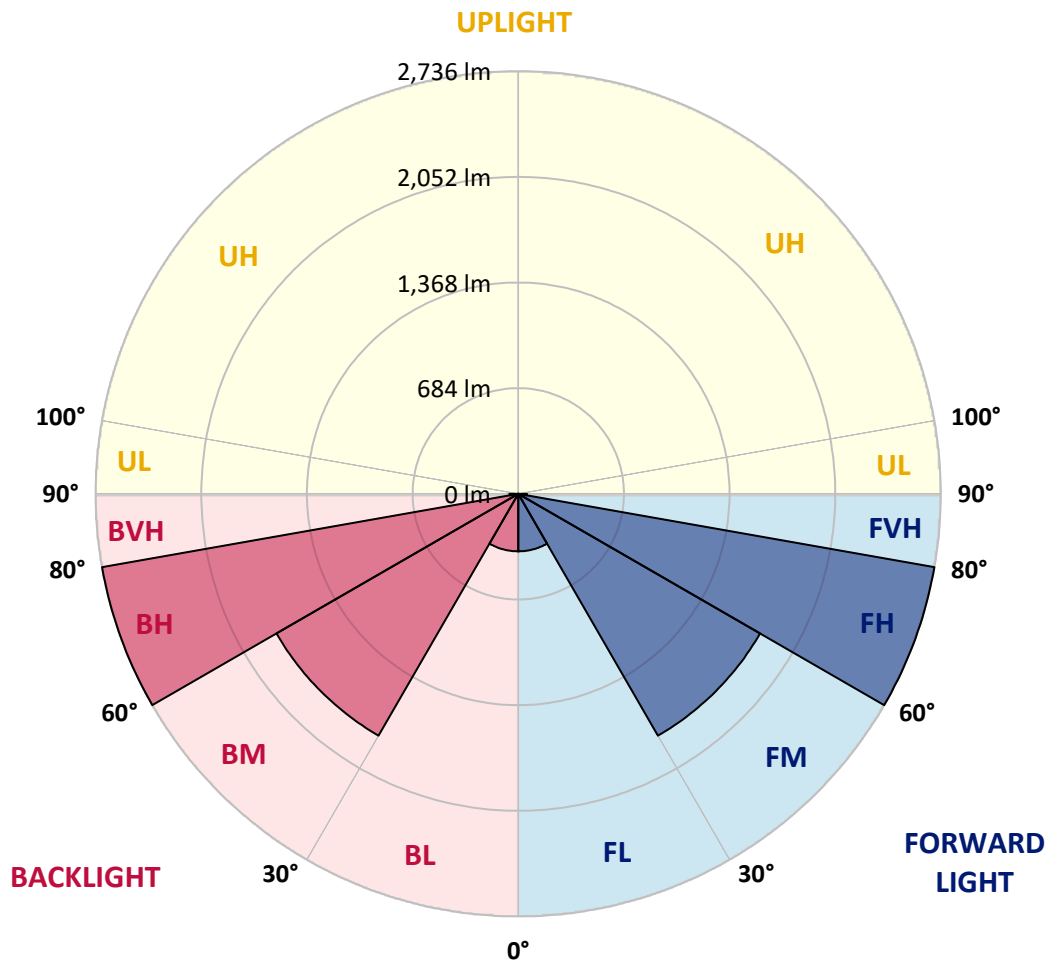
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.3	3.7			
FM (30°-60°)	1807.8	18.2			
FH (60°-80°)	2736.0	27.5			G2/5000
FVH (80°-90°)	56.8	0.6			G1/100
BL (0°-30°)	372.3	3.7	B1/500		
BM (30°-60°)	1807.8	18.2	B2/2500		
BH (60°-80°)	2736.0	27.5	B4/5000		G2/5000
BVH (80°-90°)	56.8	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°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	901.6	904.2	903.1	901.1	901.1	899.5	901.1	902.1	903.7	904.7
5°	889.7	891.8	891.2	889.7	890.2	888.7	889.7	891.2	892.3	892.8
7.5°	879.4	881.4	880.4	877.8	877.8	876.3	876.8	878.3	879.9	880.4
10°	876.8	878.8	875.7	871.6	870.1	868.0	868.5	870.1	873.2	874.7
12.5°	877.8	879.4	876.3	870.1	868.5	866.4	866.4	868.0	872.1	874.2
15°	880.9	882.5	877.8	871.1	869.5	868.0	867.5	869.5	874.2	877.8
17.5°	886.6	888.1	880.9	871.6	869.5	870.1	869.5	871.1	878.3	885.0
20°	891.8	892.8	883.0	871.6	869.5	870.1	869.5	872.6	881.9	891.2
22.5°	893.3	894.4	885.0	875.2	873.7	874.2	873.7	876.8	885.6	894.9
25°	893.8	895.4	888.1	880.4	883.0	884.0	883.0	883.5	890.2	898.5
27.5°	901.6	903.7	896.9	890.2	891.8	891.2	892.8	894.4	899.5	907.8
30°	917.6	919.2	913.5	906.8	905.7	902.1	906.8	911.9	917.6	924.9
32.5°	944.0	947.1	939.8	932.6	928.0	925.9	929.5	938.3	946.0	953.8
35°	987.9	990.0	983.3	969.8	961.6	961.6	964.7	976.0	988.4	998.3
37.5°	1050.0	1052.5	1040.7	1024.6	1012.2	1012.2	1016.4	1028.2	1046.9	1060.8
40°	1125.4	1129.1	1114.1	1097.5	1085.6	1083.6	1088.7	1102.2	1119.7	1137.3
42.5°	1216.4	1220.6	1200.9	1186.4	1177.1	1177.1	1179.7	1192.1	1208.1	1229.9
45°	1332.7	1340.0	1313.1	1298.6	1289.8	1291.9	1293.4	1304.3	1318.8	1343.6
47.5°	1471.3	1478.5	1450.1	1435.1	1433.5	1443.4	1437.2	1444.9	1452.7	1481.1
50°	1628.4	1640.9	1621.2	1620.2	1623.3	1641.4	1626.9	1631.0	1622.2	1640.3
52.5°	1820.8	1838.8	1835.2	1841.4	1876.1	1913.3	1880.2	1865.7	1832.6	1838.3
55°	2053.9	2081.3	2086.5	2123.7	2202.3	2278.3	2208.0	2149.5	2079.2	2066.3
57.5°	2319.1	2340.8	2365.6	2441.6	2588.4	2723.4	2588.4	2459.2	2348.6	2322.2
60°	2604.5	2631.4	2655.1	2767.3	2985.5	3175.2	2981.3	2776.1	2629.8	2594.1
62.5°	2911.0	2945.7	2962.2	3086.8	3341.2	3567.6	3344.8	3096.1	2933.8	2895.5
65°	3205.2	3233.6	3252.2	3385.1	3628.1	3855.0	3644.6	3399.6	3232.6	3182.4
67.5°	3342.2	3357.7	3403.2	3553.6	3810.0	4069.0	3853.5	3569.7	3383.0	3295.1
70°	3141.6	3110.1	3219.7	3460.6	3831.8	4200.3	3881.4	3453.3	3224.8	3082.2
72.5°	2427.7	2373.4	2563.6	2975.7	3583.6	4116.6	3608.4	2998.9	2682.0	2392.5
75°	1320.8	1259.3	1521.9	2043.0	2857.8	3568.1	2923.4	2101.5	1694.6	1311.0
77.5°	372.7	349.5	561.4	988.4	1718.9	2505.2	1785.1	1010.2	665.9	395.0
80°	114.2	110.6	149.9	297.8	730.0	1199.9	701.5	301.4	190.8	120.5
82.5°	67.7	62.0	74.4	108.6	186.1	376.9	180.9	113.2	91.0	61.0
85°	38.8	36.2	43.9	52.7	62.6	80.1	52.2	53.8	48.6	32.6
87.5°	16.0	14.5	17.1	16.5	14.5	18.6	14.0	16.5	19.6	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
907.3
904.2
892.8
880.4
874.7
874.7
878.3
885.0
891.8
894.9
898.0
905.7
923.3
950.7
994.6
1055.6
1131.6
1228.3
1342.6
1472.8
1629.5
1819.2
2046.2
2303.6
2563.1
2864.5
3157.6
3296.2
3116.3
2464.4
1396.3
438.9
127.2
66.2
34.1
11.9
0.0

OF REPORT)