

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: P847851

Luminaire Tested: **GLAN-SB4A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847851
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-SB4A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11711 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

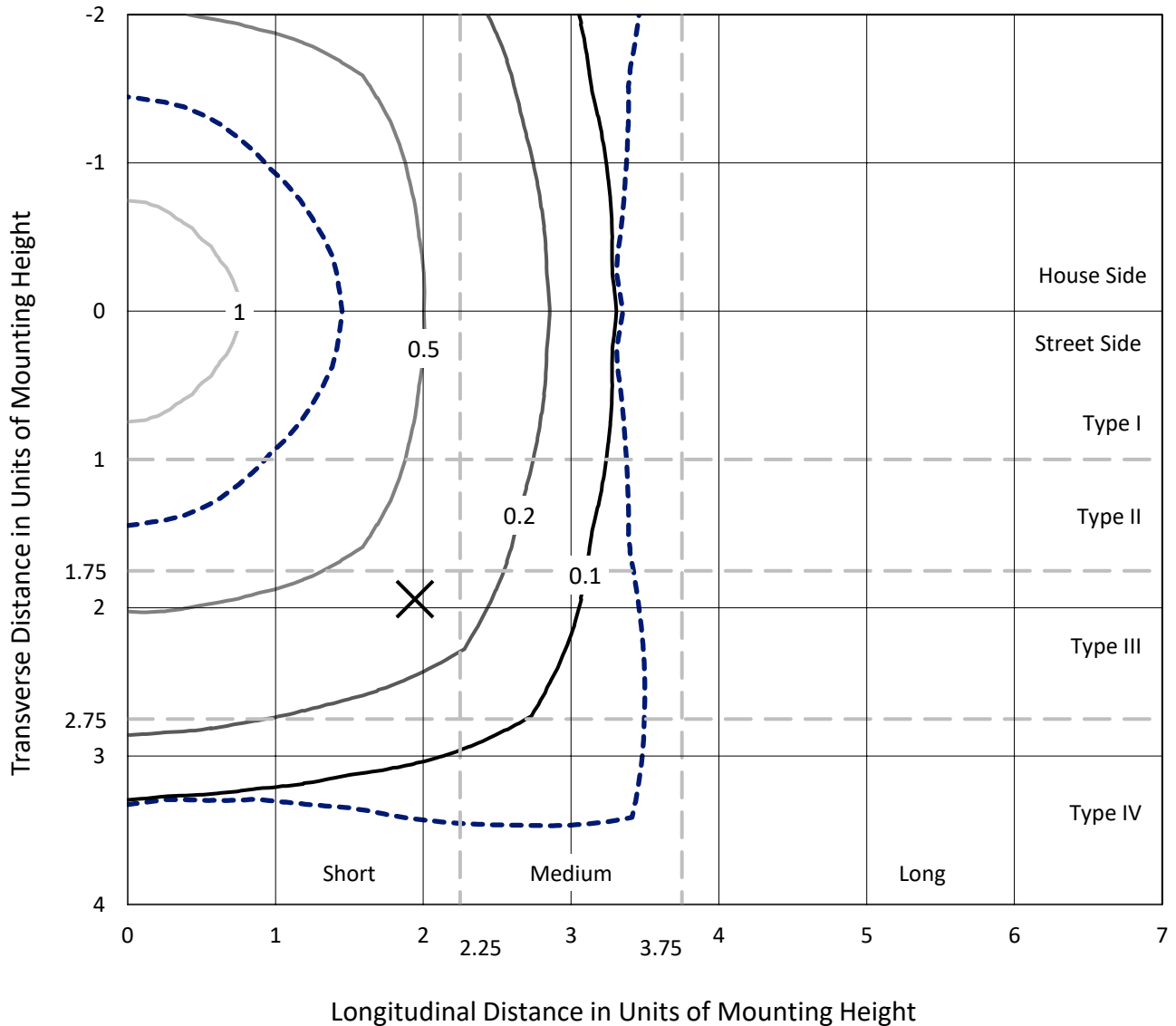
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

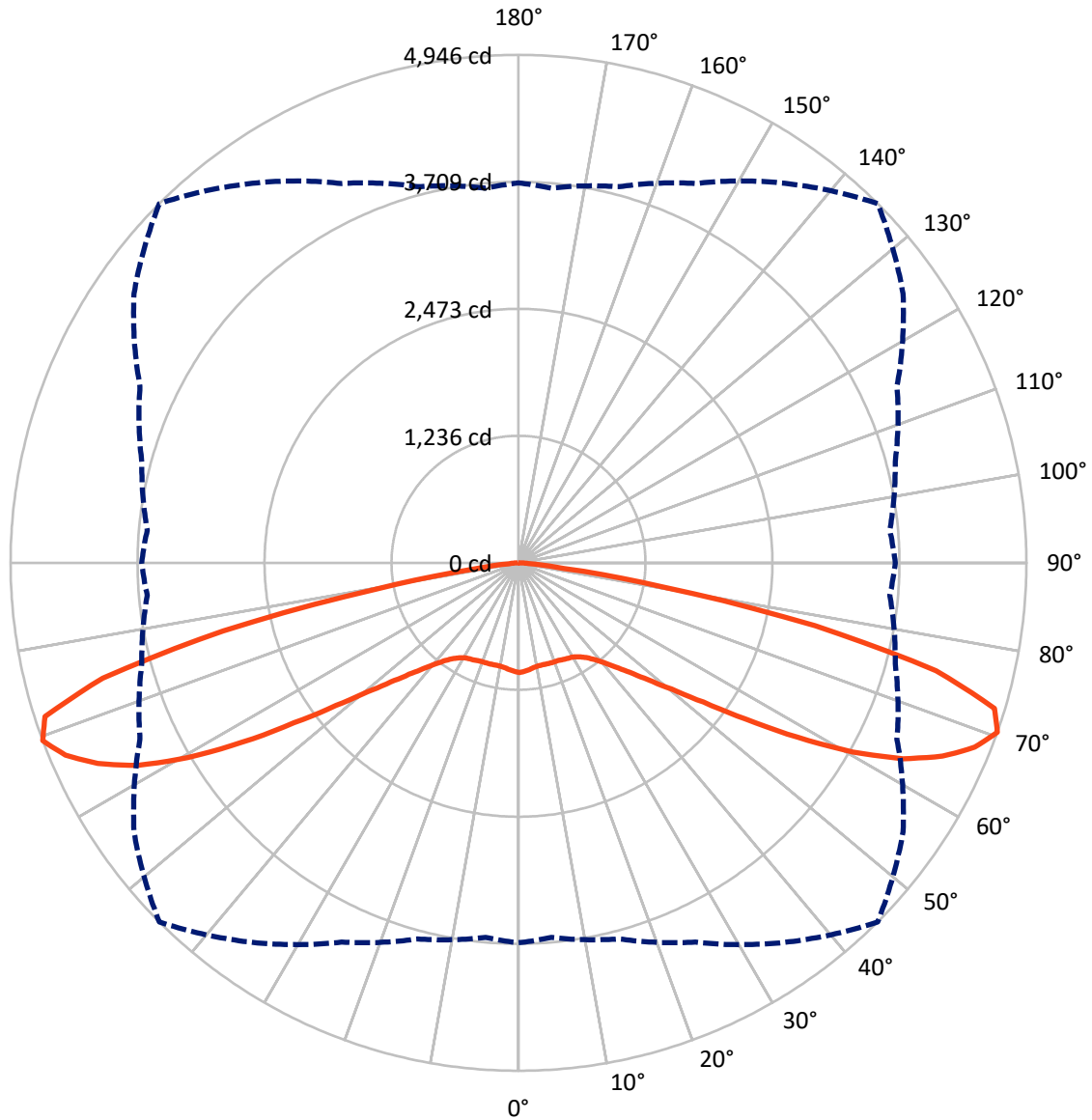
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	5855.5	0.0	5855.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5855.5	0.0	5855.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11711.0	0.0	11711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	0.8
10°-20°	291.8	2.5
20°-30°	485.6	4.1
30°-40°	734.3	6.3
40°-50°	1220.3	10.4
50°-60°	2302.7	19.7
60°-70°	3888.2	33.2
70°-80°	2554.9	21.8
80°-90°	133.8	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°	11711.0	100.0
0°-180°	11711.0	100.0

Coefficient of Utilization



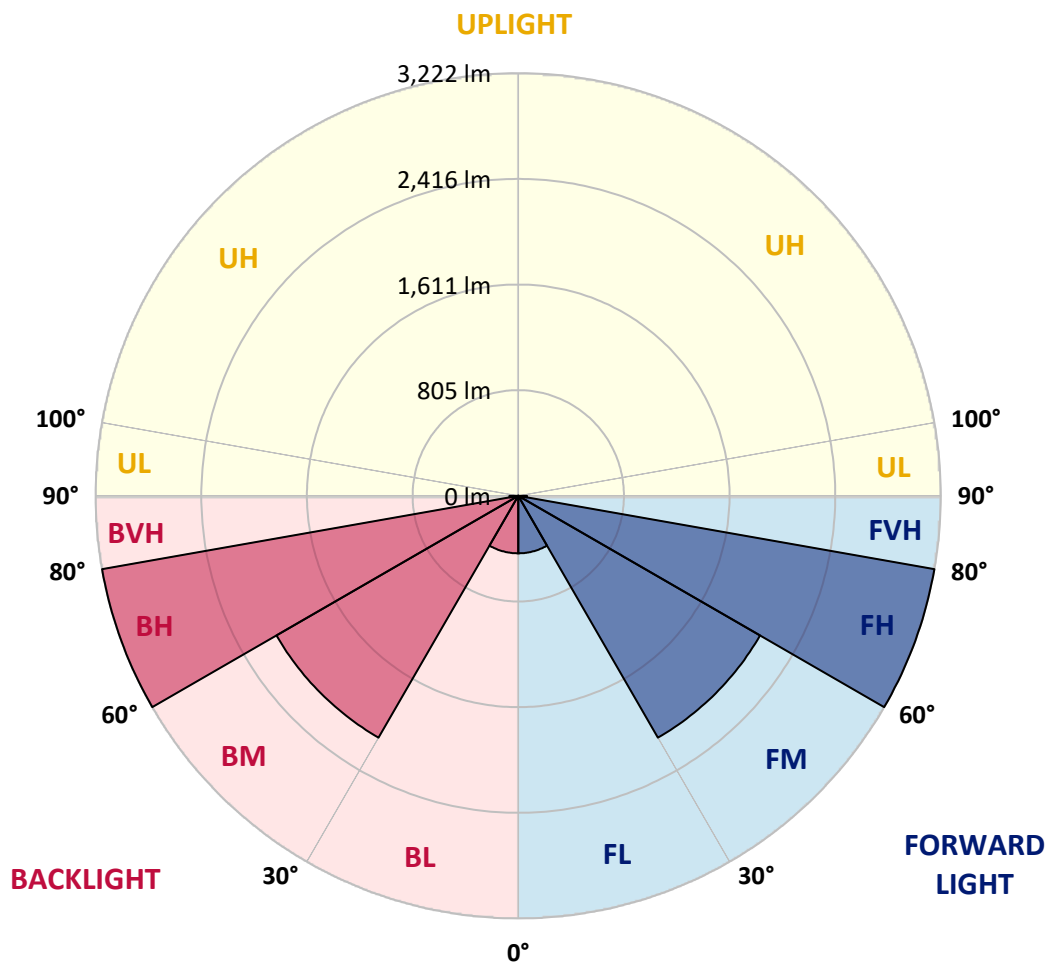
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.4	3.7			
FM (30°-60°)	2128.7	18.2			
FH (60°-80°)	3221.5	27.5			G2/5000
FVH (80°-90°)	66.9	0.6			G1/100
BL (0°-30°)	438.4	3.7	B1/500		
BM (30°-60°)	2128.7	18.2	B2/2500		
BH (60°-80°)	3221.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	66.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3
2.5°	1061.6	1064.6	1063.4	1061.0	1061.0	1059.1	1061.0	1062.2	1064.0	1065.2
5°	1047.6	1050.0	1049.4	1047.6	1048.2	1046.4	1047.6	1049.4	1050.6	1051.2
7.5°	1035.4	1037.8	1036.6	1033.6	1033.6	1031.8	1032.4	1034.2	1036.0	1036.6
10°	1032.4	1034.8	1031.1	1026.3	1024.5	1022.0	1022.6	1024.5	1028.1	1029.9
12.5°	1033.6	1035.4	1031.8	1024.5	1022.6	1020.2	1020.2	1022.0	1026.9	1029.3
15°	1037.2	1039.1	1033.6	1025.7	1023.8	1022.0	1021.4	1023.8	1029.3	1033.6
17.5°	1043.9	1045.8	1037.2	1026.3	1023.8	1024.5	1023.8	1025.7	1034.2	1042.1
20°	1050.0	1051.2	1039.7	1026.3	1023.8	1024.5	1023.8	1027.5	1038.5	1049.4
22.5°	1051.8	1053.1	1042.1	1030.5	1028.7	1029.3	1028.7	1032.4	1042.7	1053.7
25°	1052.5	1054.3	1045.8	1036.6	1039.7	1040.9	1039.7	1040.3	1048.2	1057.9
27.5°	1061.6	1064.0	1056.1	1048.2	1050.0	1049.4	1051.2	1053.1	1059.1	1068.9
30°	1080.5	1082.3	1075.6	1067.7	1066.5	1062.2	1067.7	1073.8	1080.5	1089.0
32.5°	1111.5	1115.1	1106.6	1098.1	1092.6	1090.2	1094.5	1104.8	1113.9	1123.1
35°	1163.2	1165.7	1157.8	1141.9	1132.2	1132.2	1135.8	1149.2	1163.8	1175.4
37.5°	1236.3	1239.3	1225.3	1206.5	1191.8	1191.8	1196.7	1210.7	1232.6	1249.1
40°	1325.2	1329.4	1311.8	1292.3	1278.3	1275.8	1281.9	1297.8	1318.5	1339.2
42.5°	1432.3	1437.2	1414.0	1397.0	1386.0	1386.0	1389.1	1403.7	1422.5	1448.1
45°	1569.2	1577.8	1546.1	1529.1	1518.7	1521.2	1523.0	1535.8	1552.8	1582.0
47.5°	1732.4	1740.9	1707.4	1689.8	1687.9	1699.5	1692.2	1701.3	1710.5	1743.9
50°	1917.4	1932.0	1908.9	1907.7	1911.3	1932.6	1915.6	1920.5	1910.1	1931.4
52.5°	2143.9	2165.2	2160.9	2168.2	2209.0	2252.8	2213.9	2196.8	2157.9	2164.6
55°	2418.4	2450.7	2456.7	2500.6	2593.1	2682.6	2599.8	2531.0	2448.2	2433.0
57.5°	2730.7	2756.2	2785.4	2874.9	3047.8	3206.7	3047.8	2895.6	2765.4	2734.3
60°	3066.7	3098.3	3126.3	3258.4	3515.3	3738.7	3510.4	3268.8	3096.5	3054.5
62.5°	3427.6	3468.4	3487.9	3634.6	3934.1	4200.7	3938.3	3645.5	3454.4	3409.4
65°	3774.0	3807.5	3829.4	3985.8	4271.9	4539.1	4291.4	4002.9	3806.2	3747.2
67.5°	3935.3	3953.5	4007.1	4184.2	4486.2	4791.1	4537.3	4203.1	3983.4	3879.9
70°	3699.1	3662.0	3791.0	4074.7	4511.7	4945.7	4570.2	4066.2	3797.1	3629.1
72.5°	2858.5	2794.6	3018.6	3503.7	4219.5	4847.1	4248.8	3531.1	3158.0	2817.1
75°	1555.2	1482.8	1792.0	2405.6	3364.9	4201.3	3442.2	2474.4	1995.3	1543.7
77.5°	438.9	411.5	661.1	1163.8	2023.9	2949.8	2101.9	1189.4	784.0	465.1
80°	134.5	130.3	176.5	350.6	859.5	1412.8	826.0	354.9	224.6	141.8
82.5°	79.7	73.0	87.7	127.8	219.1	443.7	213.0	133.3	107.1	71.8
85°	45.7	42.6	51.7	62.1	73.7	94.3	61.5	63.3	57.2	38.3
87.5°	18.9	17.0	20.1	19.5	17.0	21.9	16.4	19.5	23.1	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1068.3
1064.6
1051.2
1036.6
1029.9
1029.9
1034.2
1042.1
1050.0
1053.7
1057.3
1066.5
1087.1
1119.4
1171.2
1243.0
1332.5
1446.3
1580.8
1734.2
1918.6
2142.0
2409.3
2712.4
3018.0
3372.8
3718.0
3881.1
3669.3
2901.7
1644.1
516.8
149.7
77.9
40.2
14.0
0.0

OF REPORT)