

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: P845801

Luminaire Tested: **GLAN-SB1A-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845801
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-SB1A-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3897 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

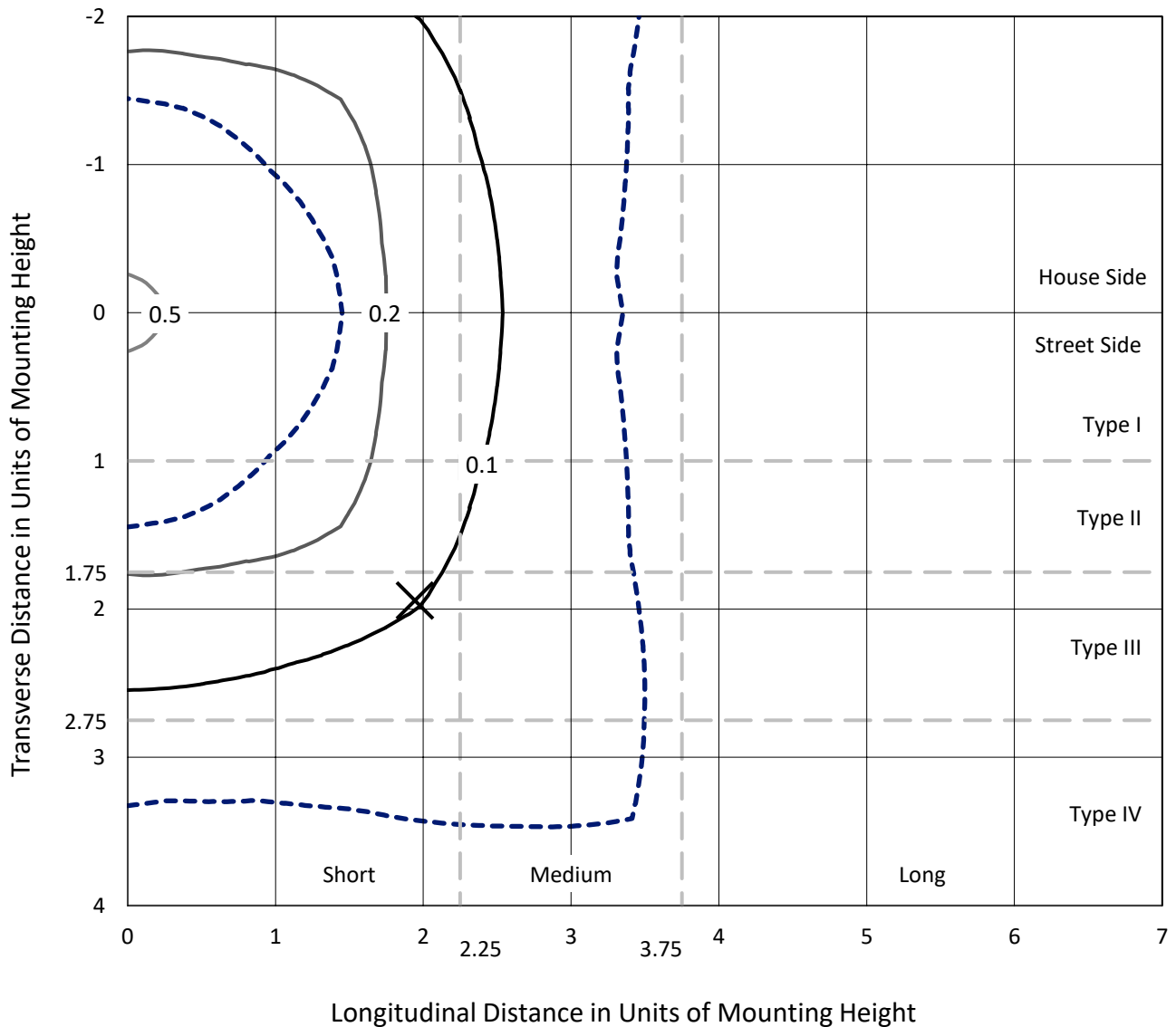
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

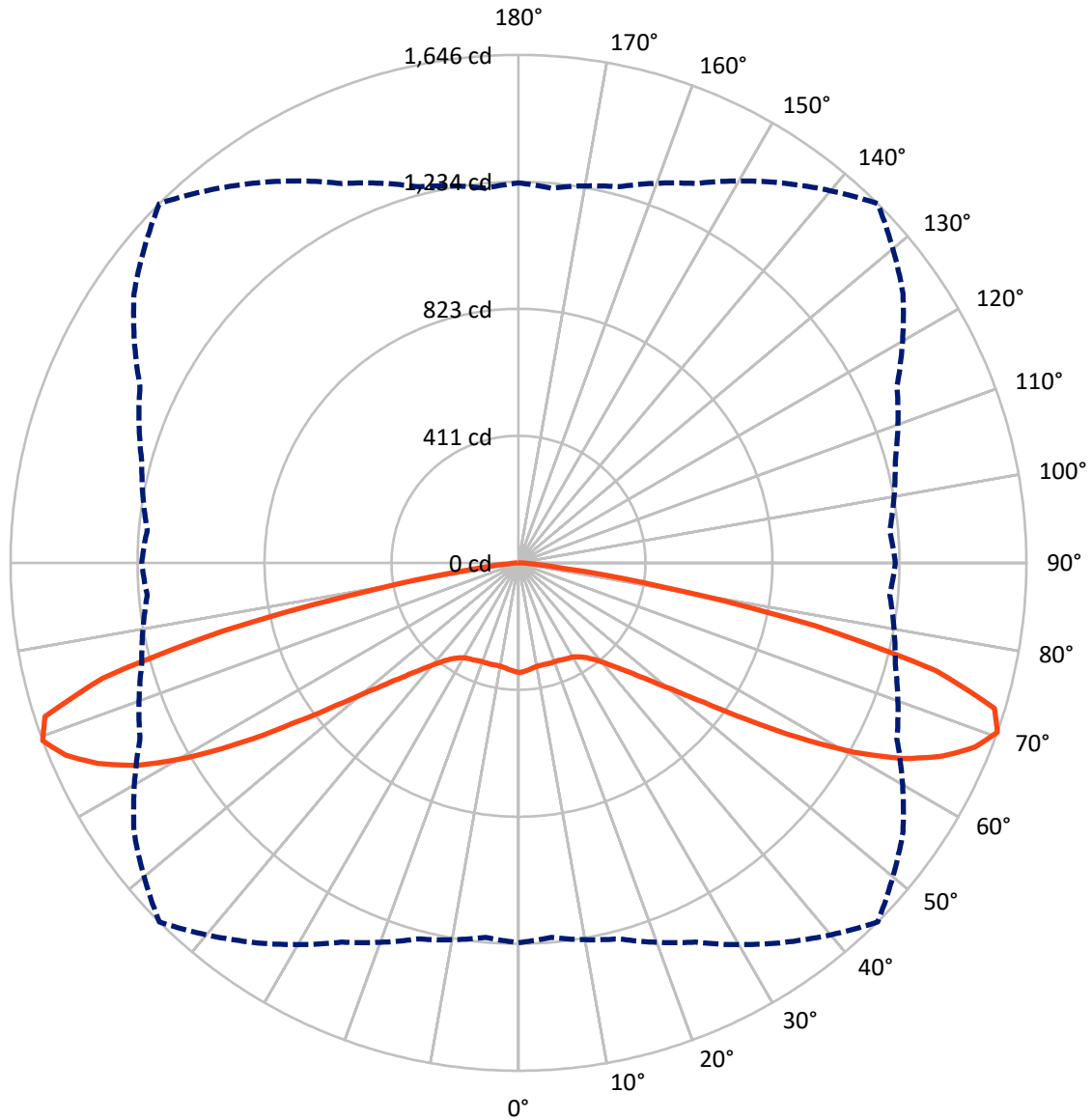
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	1948.5	0.0	1948.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1948.5	0.0	1948.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3897.0	0.0	3897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.8
10°-20°	97.1	2.5
20°-30°	161.6	4.1
30°-40°	244.4	6.3
40°-50°	406.1	10.4
50°-60°	766.3	19.7
60°-70°	1293.8	33.2
70°-80°	850.2	21.8
80°-90°	44.5	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°	3897.0	100.0
0°-180°	3897.0	100.0

Coefficient of Utilization



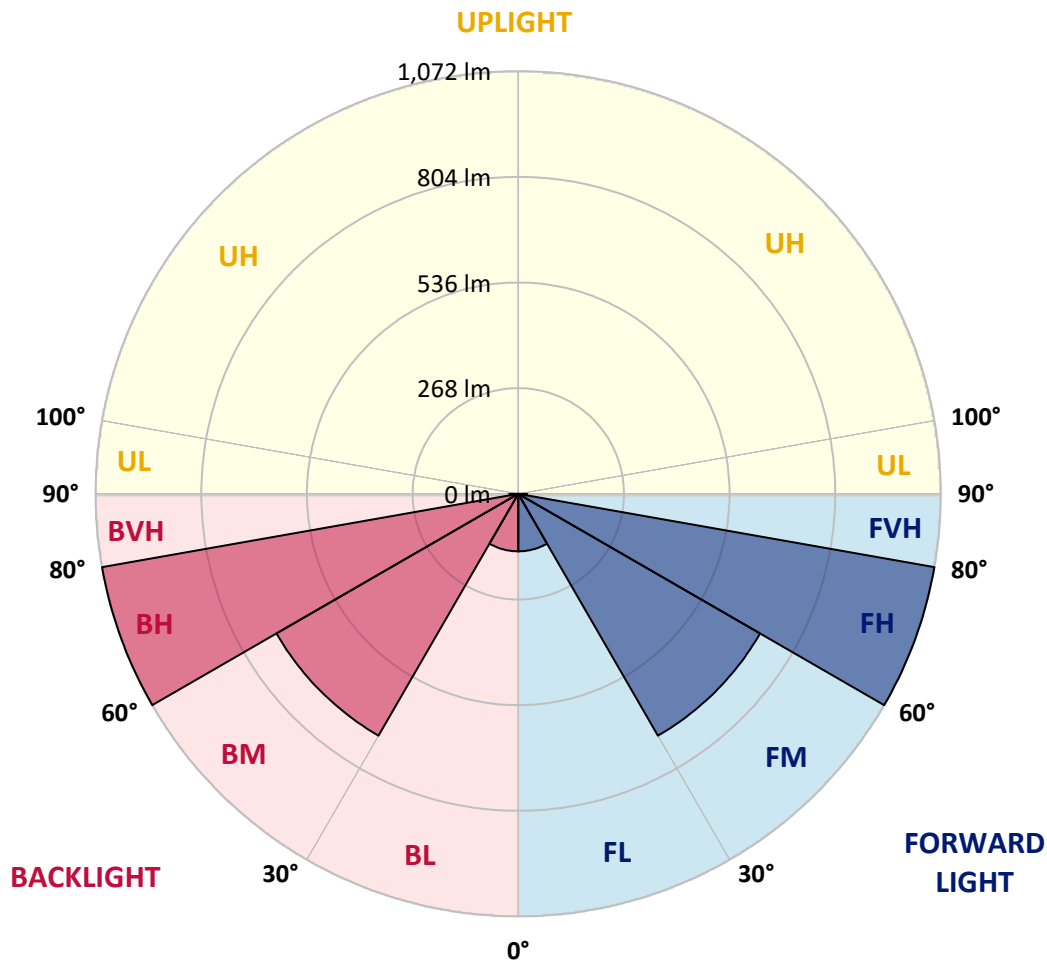
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.9	3.7			
FM (30°-60°)	708.3	18.2			
FH (60°-80°)	1072.0	27.5			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	145.9	3.7	B1/500		
BM (30°-60°)	708.3	18.2	B1/1000		
BH (60°-80°)	1072.0	27.5	B3/2500		G1/1800
BVH (80°-90°)	22.3	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	355.5	355.5	355.5	355.5	355.5	355.5	355.5	355.5	355.5	355.5
2.5°	353.3	354.3	353.9	353.1	353.1	352.4	353.1	353.5	354.1	354.5
5°	348.6	349.4	349.2	348.6	348.8	348.2	348.6	349.2	349.6	349.8
7.5°	344.5	345.4	345.0	343.9	343.9	343.3	343.5	344.1	344.7	345.0
10°	343.5	344.3	343.1	341.5	340.9	340.1	340.3	340.9	342.1	342.7
12.5°	343.9	344.5	343.3	340.9	340.3	339.5	339.5	340.1	341.7	342.5
15°	345.2	345.8	343.9	341.3	340.7	340.1	339.9	340.7	342.5	343.9
17.5°	347.4	348.0	345.2	341.5	340.7	340.9	340.7	341.3	344.1	346.8
20°	349.4	349.8	346.0	341.5	340.7	340.9	340.7	341.9	345.6	349.2
22.5°	350.0	350.4	346.8	342.9	342.3	342.5	342.3	343.5	347.0	350.6
25°	350.2	350.8	348.0	345.0	346.0	346.4	346.0	346.2	348.8	352.0
27.5°	353.3	354.1	351.4	348.8	349.4	349.2	349.8	350.4	352.4	355.7
30°	359.5	360.1	357.9	355.3	354.9	353.5	355.3	357.3	359.5	362.4
32.5°	369.9	371.1	368.2	365.4	363.6	362.8	364.2	367.6	370.7	373.7
35°	387.1	387.9	385.3	380.0	376.8	376.8	378.0	382.4	387.3	391.1
37.5°	411.4	412.4	407.7	401.5	396.6	396.6	398.2	402.9	410.2	415.6
40°	441.0	442.4	436.5	430.0	425.4	424.6	426.6	431.8	438.7	445.6
42.5°	476.6	478.2	470.5	464.9	461.2	461.2	462.2	467.1	473.4	481.9
45°	522.2	525.0	514.5	508.8	505.4	506.2	506.8	511.0	516.7	526.4
47.5°	576.5	579.3	568.2	562.3	561.7	565.5	563.1	566.1	569.2	580.3
50°	638.0	642.9	635.2	634.8	636.0	643.1	637.4	639.1	635.6	642.7
52.5°	713.4	720.5	719.1	721.5	735.1	749.7	736.7	731.0	718.1	720.3
55°	804.8	815.5	817.5	832.1	862.9	892.7	865.1	842.2	814.7	809.6
57.5°	908.7	917.2	926.9	956.7	1014.2	1067.1	1014.2	963.6	920.2	909.9
60°	1020.5	1031.0	1040.3	1084.3	1169.8	1244.1	1168.1	1087.7	1030.4	1016.4
62.5°	1140.6	1154.2	1160.6	1209.5	1309.1	1397.8	1310.5	1213.1	1149.5	1134.5
65°	1255.8	1267.0	1274.3	1326.3	1421.5	1510.5	1428.0	1332.0	1266.6	1246.9
67.5°	1309.5	1315.6	1333.4	1392.4	1492.8	1594.3	1509.8	1398.6	1325.5	1291.1
70°	1230.9	1218.6	1261.5	1355.9	1501.3	1645.8	1520.8	1353.1	1263.5	1207.6
72.5°	951.2	929.9	1004.5	1165.9	1404.1	1612.9	1413.8	1175.0	1050.9	937.4
75°	517.5	493.4	596.3	800.5	1119.7	1398.0	1145.5	823.4	664.0	513.7
77.5°	146.0	136.9	220.0	387.3	673.5	981.6	699.4	395.8	260.9	154.8
80°	44.8	43.3	58.7	116.7	286.0	470.1	274.9	118.1	74.7	47.2
82.5°	26.5	24.3	29.2	42.5	72.9	147.7	70.9	44.4	35.6	23.9
85°	15.2	14.2	17.2	20.7	24.5	31.4	20.5	21.1	19.0	12.8
87.5°	6.3	5.7	6.7	6.5	5.7	7.3	5.5	6.5	7.7	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
355.5
354.3
349.8
345.0
342.7
342.7
344.1
346.8
349.4
350.6
351.8
354.9
361.8
372.5
389.7
413.6
443.4
481.3
526.0
577.1
638.5
712.8
801.7
902.6
1004.3
1122.4
1237.2
1291.5
1221.0
965.6
547.1
172.0
49.8
25.9
13.4
4.7
0.0

OF REPORT)