

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: P845951

Luminaire Tested: **GLAN-SB1B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845951
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-SB1B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4718 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

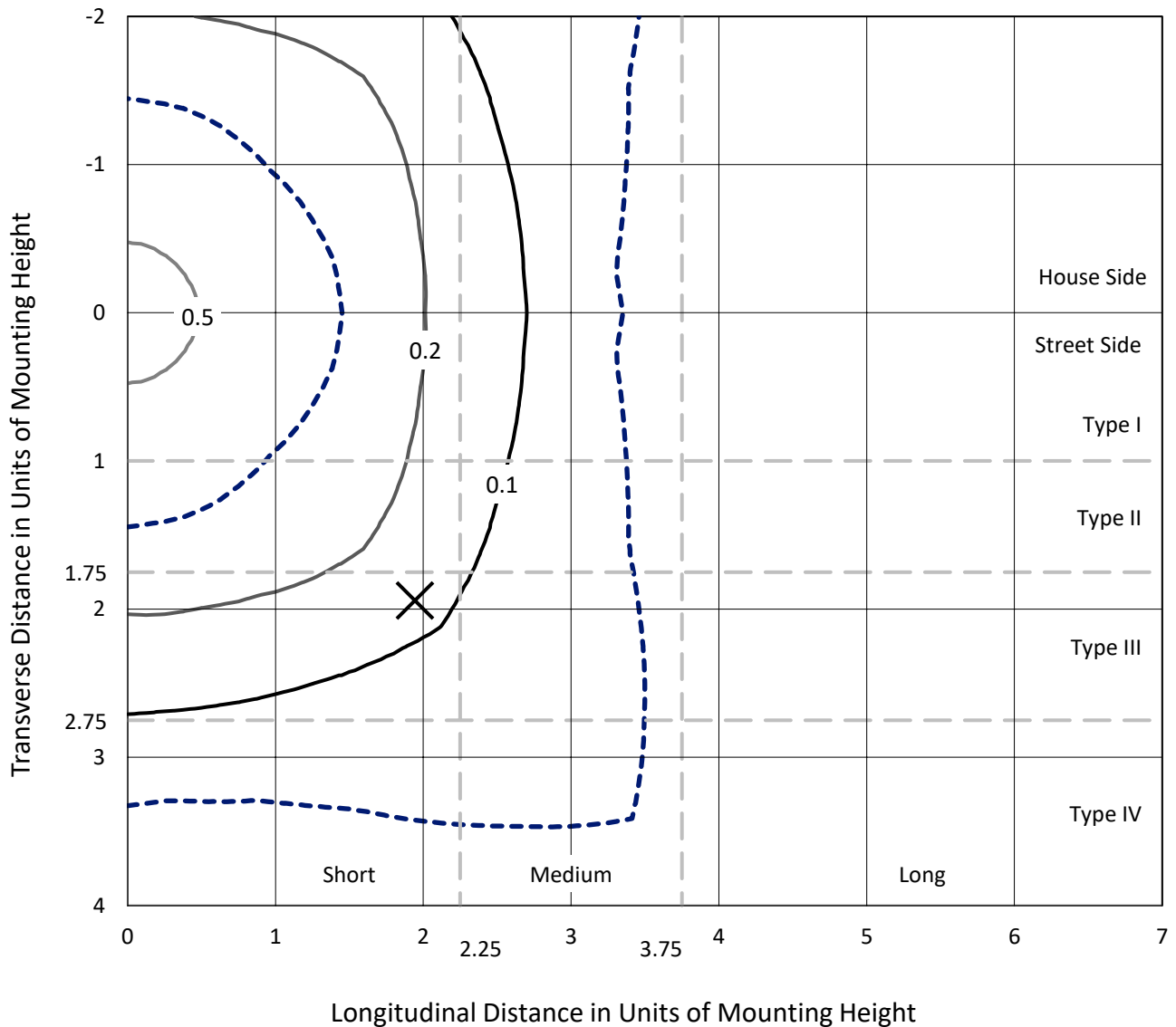
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

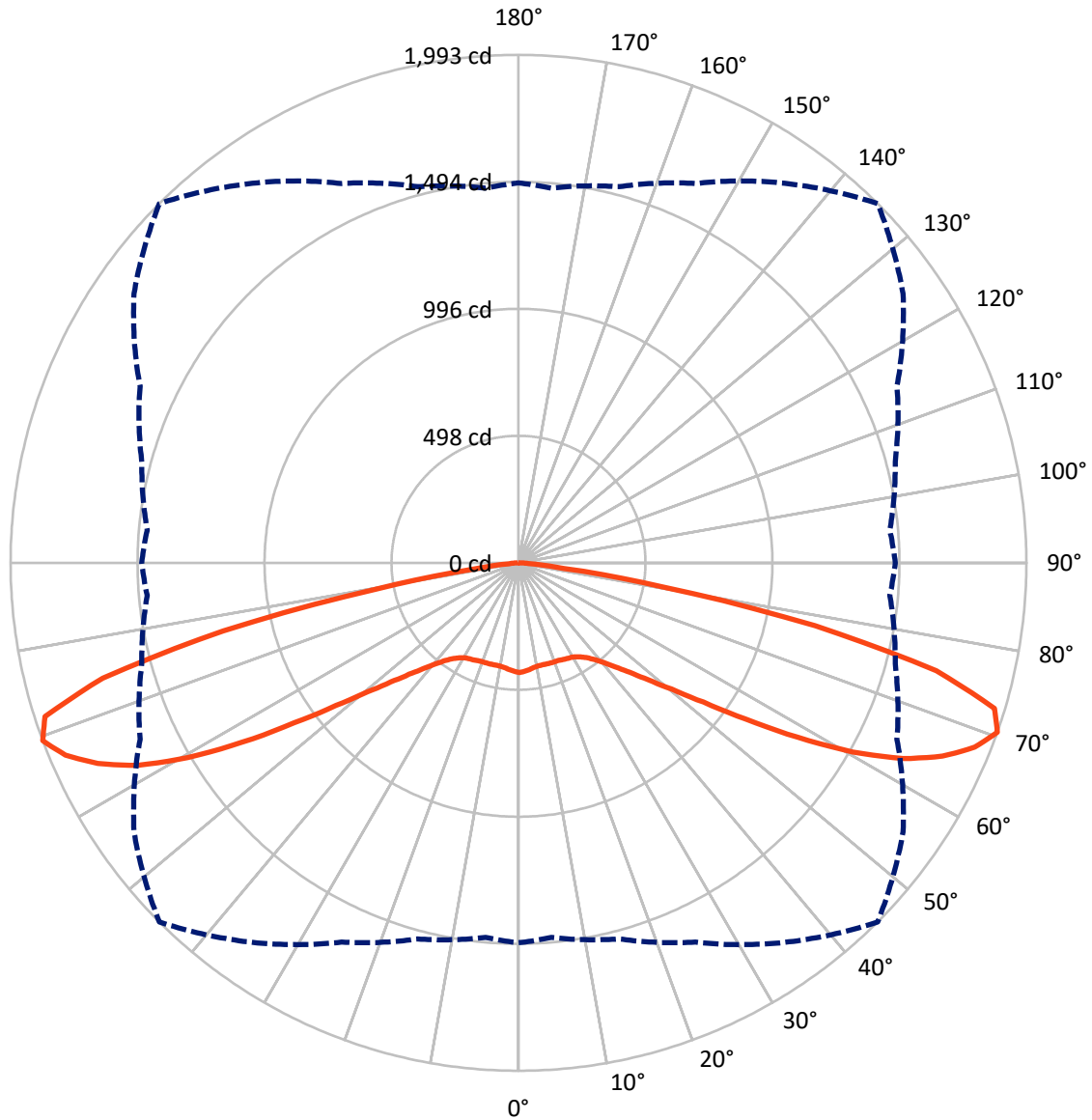
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	2359.0	0.0	2359.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2359.0	0.0	2359.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4718.0	0.0	4718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.8
10°-20°	117.6	2.5
20°-30°	195.6	4.1
30°-40°	295.8	6.3
40°-50°	491.6	10.4
50°-60°	927.7	19.7
60°-70°	1566.4	33.2
70°-80°	1029.3	21.8
80°-90°	53.9	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°	4718.0	100.0
0°-180°	4718.0	100.0

Coefficient of Utilization



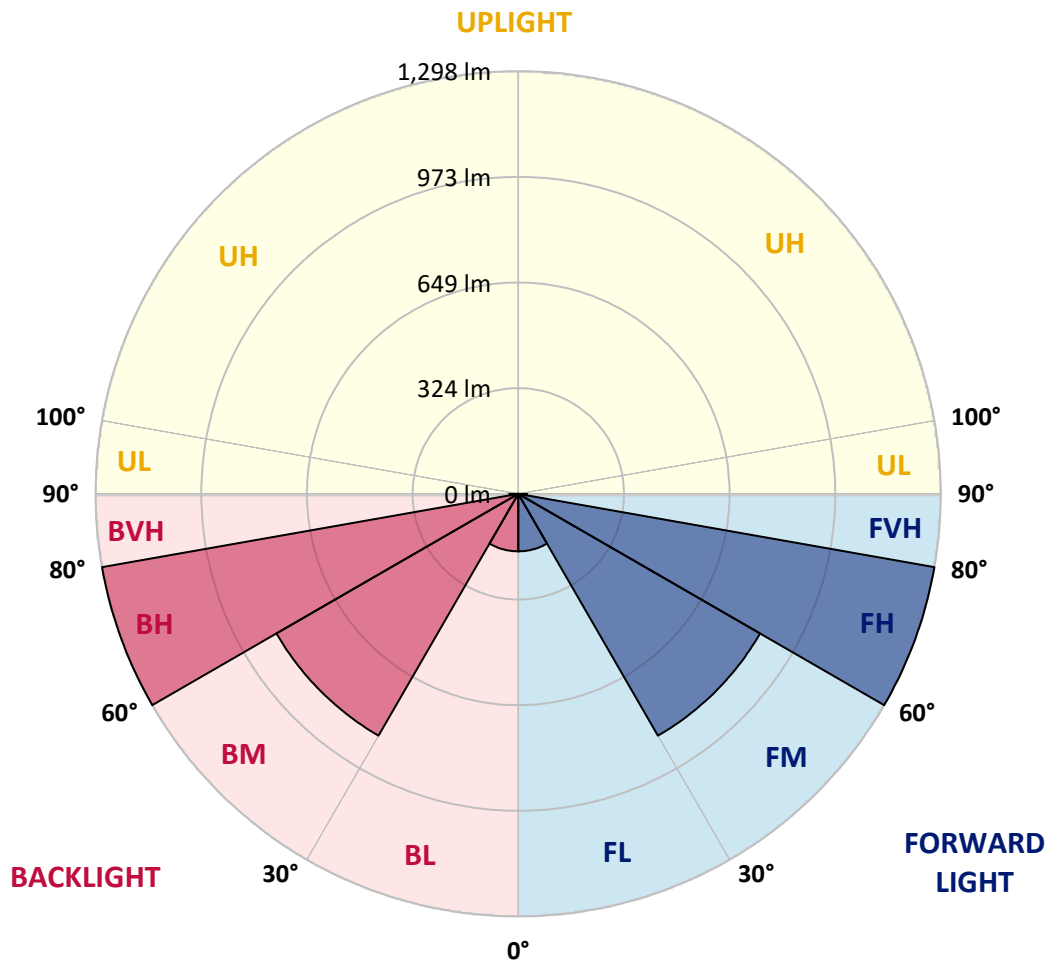
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.6	3.7			
FM (30°-60°)	857.6	18.2			
FH (60°-80°)	1297.9	27.5			G1/1800
FVH (80°-90°)	27.0	0.6			G1/100
BL (0°-30°)	176.6	3.7	B1/500		
BM (30°-60°)	857.6	18.2	B1/1000		
BH (60°-80°)	1297.9	27.5	B3/2500		G1/1800
BVH (80°-90°)	27.0	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°	430.4	430.4	430.4	430.4	430.4	430.4	430.4	430.4	430.4	430.4
2.5°	427.7	428.9	428.4	427.4	427.4	426.7	427.4	427.9	428.7	429.2
5°	422.0	423.0	422.8	422.0	422.3	421.5	422.0	422.8	423.3	423.5
7.5°	417.1	418.1	417.6	416.4	416.4	415.7	415.9	416.6	417.4	417.6
10°	415.9	416.9	415.4	413.5	412.7	411.7	412.0	412.7	414.2	414.9
12.5°	416.4	417.1	415.7	412.7	412.0	411.0	411.0	411.7	413.7	414.7
15°	417.9	418.6	416.4	413.2	412.5	411.7	411.5	412.5	414.7	416.4
17.5°	420.6	421.3	417.9	413.5	412.5	412.7	412.5	413.2	416.6	419.8
20°	423.0	423.5	418.9	413.5	412.5	412.7	412.5	413.9	418.4	422.8
22.5°	423.8	424.2	419.8	415.2	414.4	414.7	414.4	415.9	420.1	424.5
25°	424.0	424.7	421.3	417.6	418.9	419.3	418.9	419.1	422.3	426.2
27.5°	427.7	428.7	425.5	422.3	423.0	422.8	423.5	424.2	426.7	430.6
30°	435.3	436.0	433.3	430.1	429.6	427.9	430.1	432.6	435.3	438.7
32.5°	447.8	449.3	445.8	442.4	440.2	439.2	440.9	445.1	448.8	452.4
35°	468.6	469.6	466.4	460.0	456.1	456.1	457.6	463.0	468.9	473.5
37.5°	498.1	499.3	493.6	486.0	480.2	480.2	482.1	487.8	496.6	503.2
40°	533.9	535.6	528.5	520.6	515.0	514.0	516.5	522.8	531.2	539.5
42.5°	577.0	579.0	569.7	562.8	558.4	558.4	559.6	565.5	573.1	583.4
45°	632.2	635.6	622.9	616.0	611.8	612.8	613.6	618.7	625.6	637.3
47.5°	697.9	701.4	687.9	680.8	680.0	684.7	681.7	685.4	689.1	702.6
50°	772.5	778.4	769.0	768.5	770.0	778.6	771.7	773.7	769.5	778.1
52.5°	863.7	872.3	870.6	873.5	889.9	907.6	891.9	885.0	869.3	872.0
55°	974.3	987.3	989.7	1007.4	1044.7	1080.7	1047.4	1019.7	986.3	980.2
57.5°	1100.1	1110.4	1122.2	1158.2	1227.9	1291.9	1227.9	1166.6	1114.1	1101.6
60°	1235.5	1248.2	1259.5	1312.7	1416.2	1506.2	1414.2	1316.9	1247.5	1230.6
62.5°	1380.9	1397.3	1405.2	1464.3	1584.9	1692.3	1586.6	1468.7	1391.7	1373.5
65°	1520.4	1533.9	1542.7	1605.8	1721.0	1828.7	1728.9	1612.6	1533.4	1509.6
67.5°	1585.4	1592.8	1614.3	1685.7	1807.3	1930.2	1827.9	1693.3	1604.8	1563.1
70°	1490.3	1475.3	1527.3	1641.6	1817.6	1992.5	1841.2	1638.1	1529.7	1462.1
72.5°	1151.6	1125.8	1216.1	1411.5	1699.9	1952.8	1711.7	1422.6	1272.2	1134.9
75°	626.6	597.4	722.0	969.1	1355.6	1692.6	1386.8	996.9	803.9	621.9
77.5°	176.8	165.8	266.3	468.9	815.4	1188.4	846.8	479.2	315.9	187.4
80°	54.2	52.5	71.1	141.3	346.3	569.2	332.8	143.0	90.5	57.1
82.5°	32.1	29.4	35.3	51.5	88.3	178.8	85.8	53.7	43.2	28.9
85°	18.4	17.2	20.8	25.0	29.7	38.0	24.8	25.5	23.1	15.4
87.5°	7.6	6.9	8.1	7.8	6.9	8.8	6.6	7.8	9.3	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
430.4
428.9
423.5
417.6
414.9
414.9
416.6
419.8
423.0
424.5
426.0
429.6
438.0
451.0
471.8
500.8
536.8
582.7
636.9
698.7
773.0
863.0
970.6
1092.7
1215.8
1358.8
1497.9
1563.6
1478.2
1169.0
662.4
208.2
60.3
31.4
16.2
5.6
0.0

OF REPORT)