

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: P845721

Luminaire Tested: **GLAN-SB1A-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845721
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4454 lumens
Efficiency: N/A
Efficacy: 144.1 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

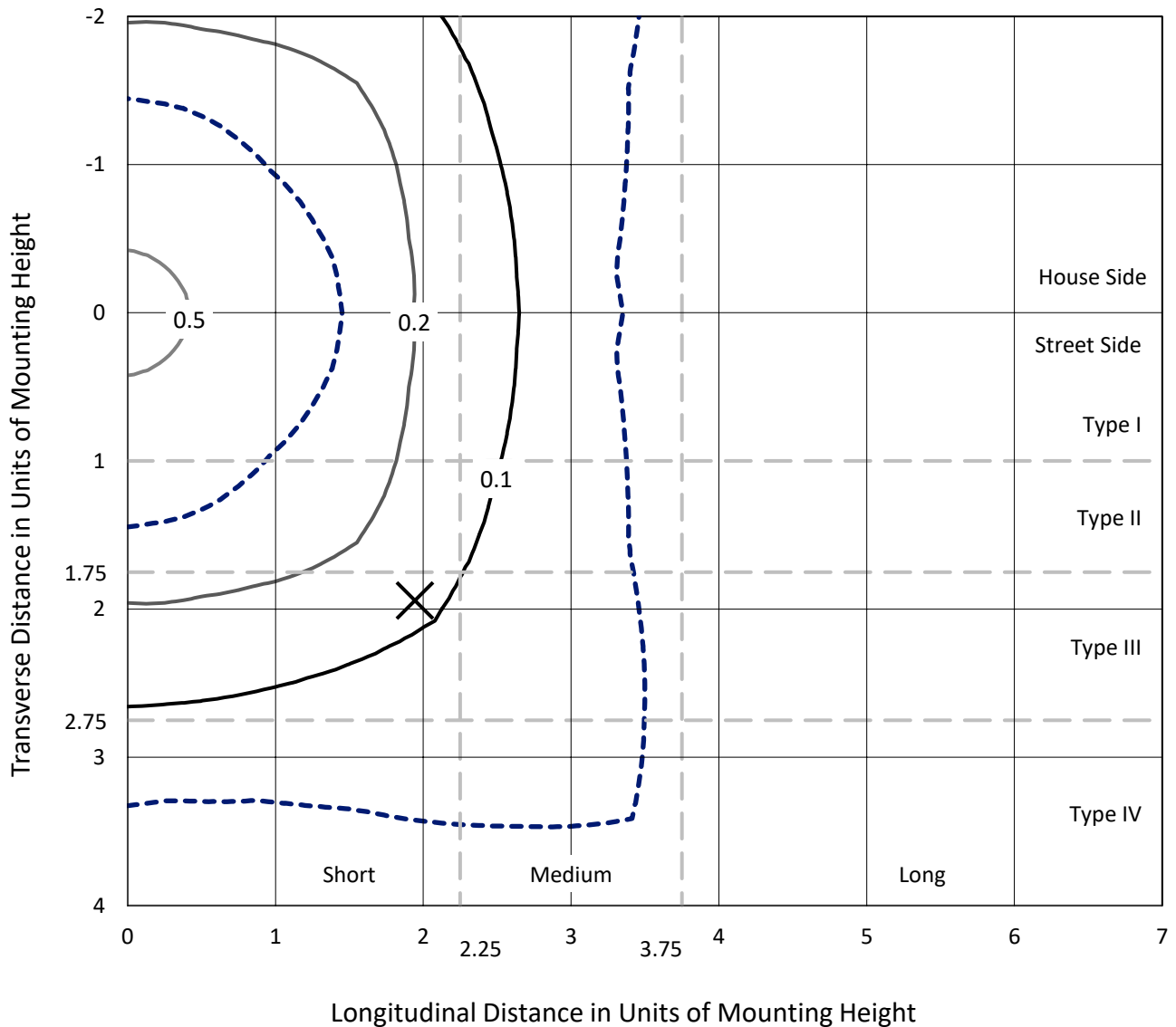
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

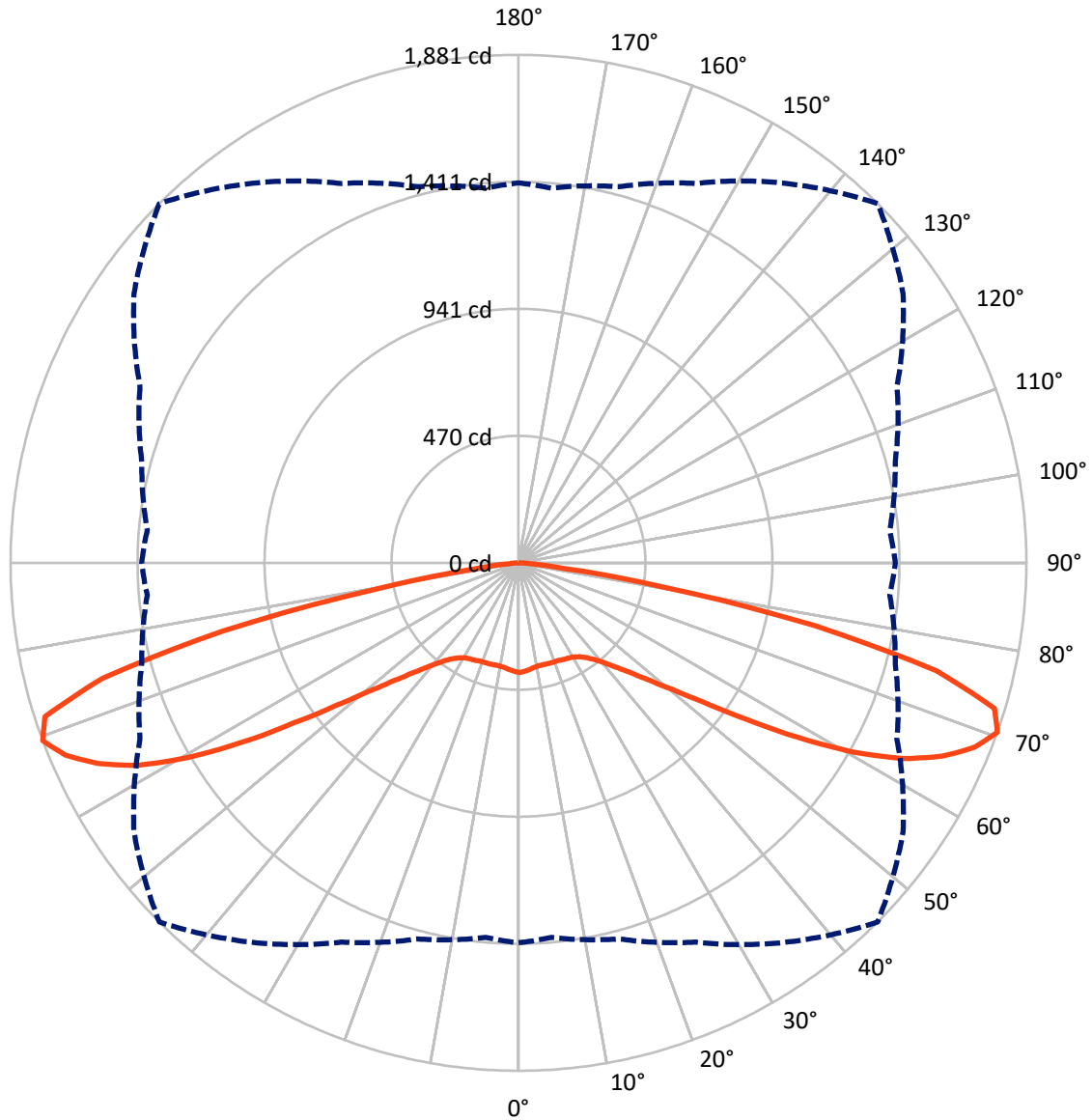
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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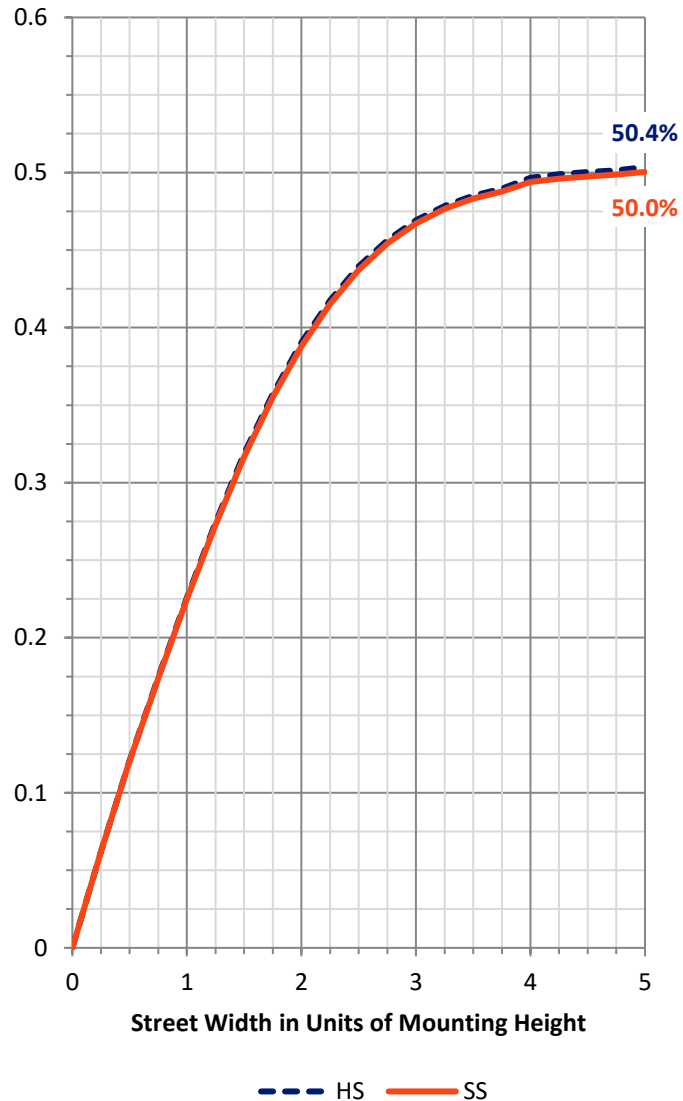
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2227.0	0.0	2227.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2227.0	0.0	2227.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4454.0	0.0	4454.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	0.8
10°-20°	111.0	2.5
20°-30°	184.7	4.1
30°-40°	279.3	6.3
40°-50°	464.1	10.4
50°-60°	875.8	19.7
60°-70°	1478.8	33.2
70°-80°	971.7	21.8
80°-90°	50.9	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°	4454.0	100.0
0°-180°	4454.0	100.0

Coefficient of Utilization



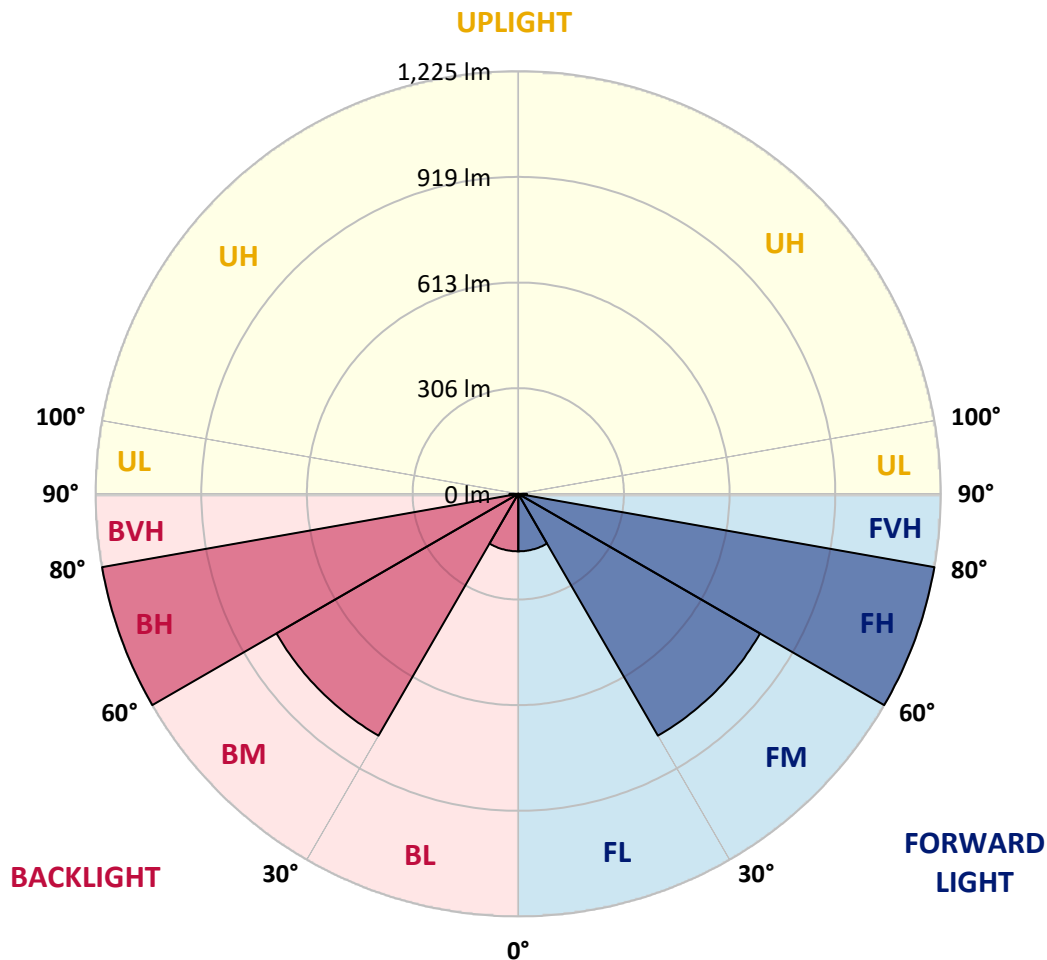
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.7	3.7			
FM (30°-60°)	809.6	18.2			
FH (60°-80°)	1225.2	27.5			G1/1800
FVH (80°-90°)	25.5	0.6			G1/100
BL (0°-30°)	166.7	3.7	B1/500		
BM (30°-60°)	809.6	18.2	B1/1000		
BH (60°-80°)	1225.2	27.5	B3/2500		G1/1800
BVH (80°-90°)	25.5	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°	406.3	406.3	406.3	406.3	406.3	406.3	406.3	406.3	406.3	406.3
2.5°	403.7	404.9	404.4	403.5	403.5	402.8	403.5	404.0	404.7	405.1
5°	398.4	399.3	399.1	398.4	398.7	398.0	398.4	399.1	399.6	399.8
7.5°	393.8	394.7	394.3	393.1	393.1	392.4	392.6	393.3	394.0	394.3
10°	392.6	393.6	392.2	390.3	389.6	388.7	388.9	389.6	391.0	391.7
12.5°	393.1	393.8	392.4	389.6	388.9	388.0	388.0	388.7	390.6	391.5
15°	394.5	395.2	393.1	390.1	389.4	388.7	388.5	389.4	391.5	393.1
17.5°	397.0	397.7	394.5	390.3	389.4	389.6	389.4	390.1	393.3	396.3
20°	399.3	399.8	395.4	390.3	389.4	389.6	389.4	390.8	395.0	399.1
22.5°	400.0	400.5	396.3	391.9	391.2	391.5	391.2	392.6	396.6	400.7
25°	400.3	401.0	397.7	394.3	395.4	395.9	395.4	395.6	398.7	402.4
27.5°	403.7	404.7	401.7	398.7	399.3	399.1	399.8	400.5	402.8	406.5
30°	410.9	411.6	409.1	406.1	405.6	404.0	406.1	408.4	410.9	414.2
32.5°	422.7	424.1	420.9	417.6	415.6	414.6	416.2	420.2	423.7	427.1
35°	442.4	443.3	440.3	434.3	430.6	430.6	432.0	437.1	442.6	447.0
37.5°	470.2	471.3	466.0	458.8	453.3	453.3	455.1	460.5	468.8	475.1
40°	504.0	505.6	498.9	491.5	486.2	485.2	487.6	493.6	501.4	509.3
42.5°	544.7	546.6	537.8	531.3	527.1	527.1	528.3	533.9	541.0	550.8
45°	596.8	600.1	588.0	581.5	577.6	578.5	579.2	584.1	590.6	601.7
47.5°	658.9	662.1	649.4	642.7	642.0	646.4	643.6	647.1	650.5	663.3
50°	729.2	734.8	726.0	725.5	726.9	735.0	728.6	730.4	726.5	734.6
52.5°	815.4	823.5	821.8	824.6	840.1	856.8	842.0	835.5	820.7	823.2
55°	919.8	932.0	934.4	951.0	986.2	1020.3	988.8	962.6	931.1	925.3
57.5°	1038.5	1048.3	1059.4	1093.4	1159.2	1219.6	1159.2	1101.3	1051.7	1039.9
60°	1166.3	1178.4	1189.0	1239.3	1337.0	1421.9	1335.1	1243.2	1177.7	1161.7
62.5°	1303.6	1319.1	1326.5	1382.3	1496.2	1597.6	1497.8	1386.5	1313.8	1296.7
65°	1435.3	1448.1	1456.4	1515.9	1624.7	1726.3	1632.1	1522.4	1447.6	1425.2
67.5°	1496.7	1503.6	1524.0	1591.4	1706.2	1822.2	1725.7	1598.6	1515.0	1475.6
70°	1406.9	1392.7	1441.8	1549.7	1715.9	1881.0	1738.2	1546.5	1444.1	1380.2
72.5°	1087.2	1062.8	1148.0	1332.6	1604.8	1843.5	1615.9	1343.0	1201.1	1071.4
75°	591.5	564.0	681.6	914.9	1279.8	1597.9	1309.2	941.1	758.9	587.1
77.5°	166.9	156.5	251.4	442.6	769.8	1121.9	799.4	452.4	298.2	176.9
80°	51.2	49.5	67.1	133.3	326.9	537.3	314.2	135.0	85.4	53.9
82.5°	30.3	27.8	33.3	48.6	83.3	168.8	81.0	50.7	40.7	27.3
85°	17.4	16.2	19.7	23.6	28.0	35.9	23.4	24.1	21.8	14.6
87.5°	7.2	6.5	7.6	7.4	6.5	8.3	6.3	7.4	8.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
406.3
404.9
399.8
394.3
391.7
391.7
393.3
396.3
399.3
400.7
402.1
405.6
413.5
425.7
445.4
472.7
506.8
550.1
601.2
659.6
729.7
814.7
916.3
1031.6
1147.8
1282.8
1414.0
1476.1
1395.5
1103.6
625.3
196.5
57.0
29.6
15.3
5.3
0.0

OF REPORT)