

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: P846401

Luminaire Tested: **GLAN-SB2A-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846401
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-SB2A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8904 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

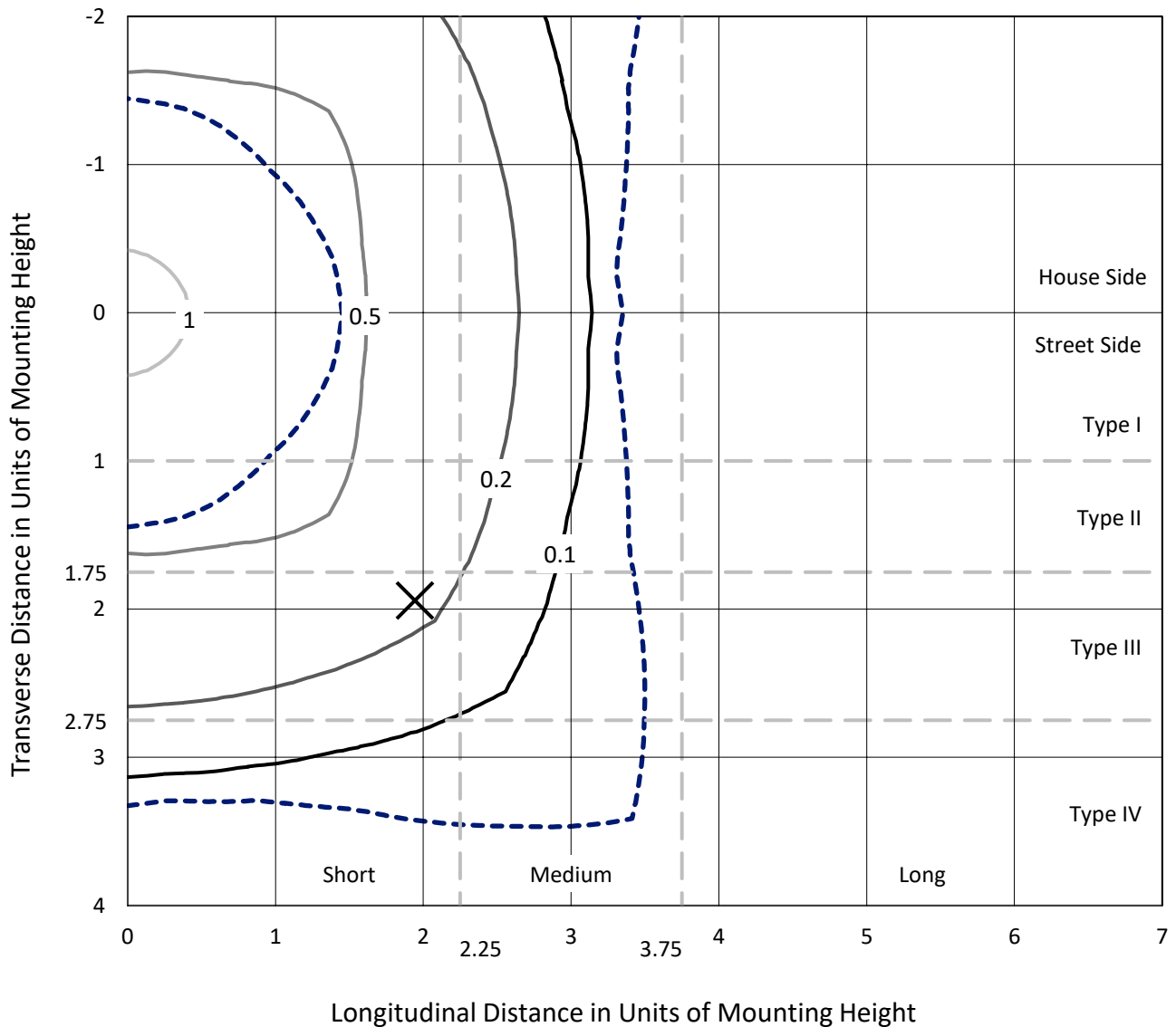
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

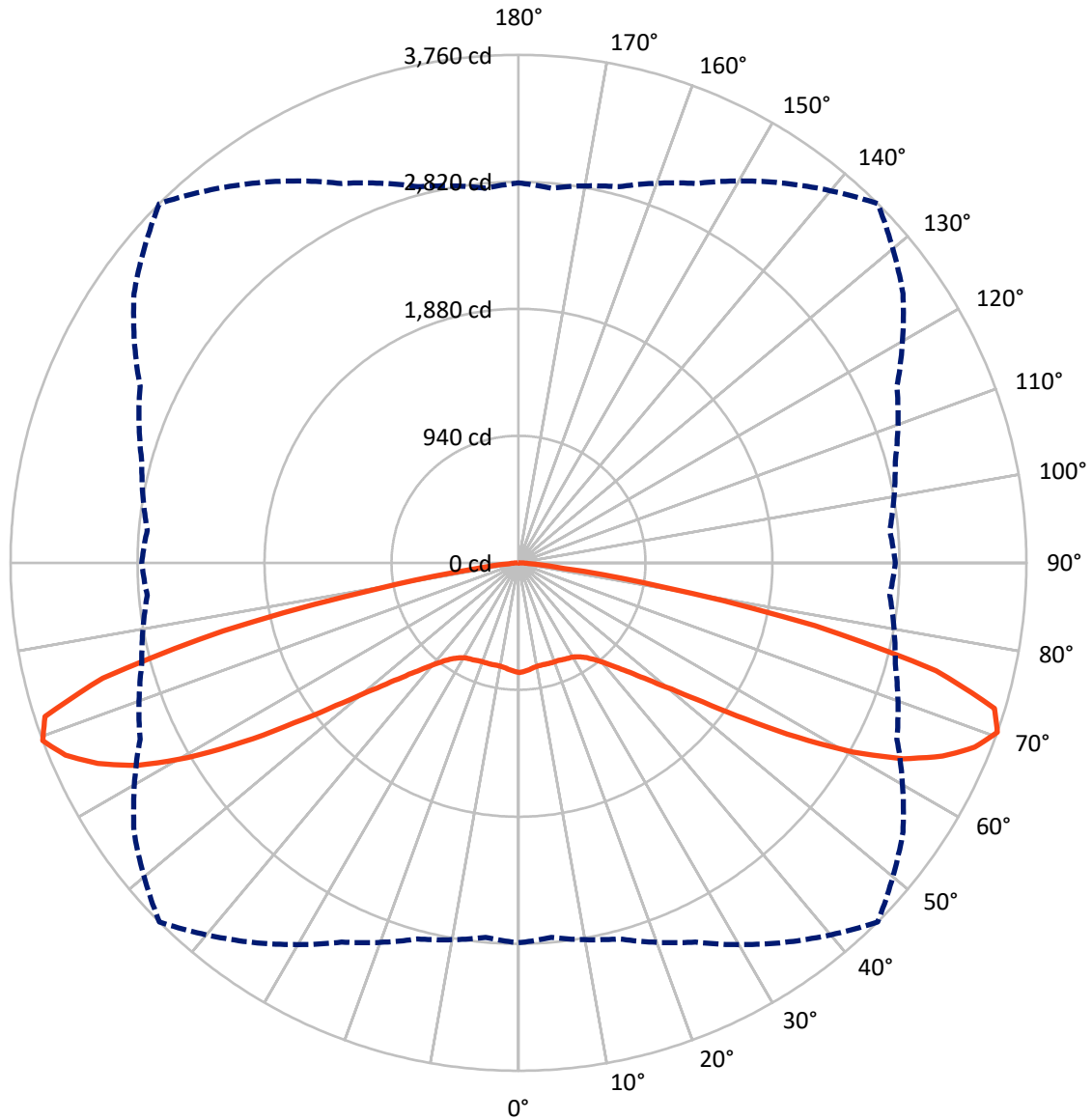
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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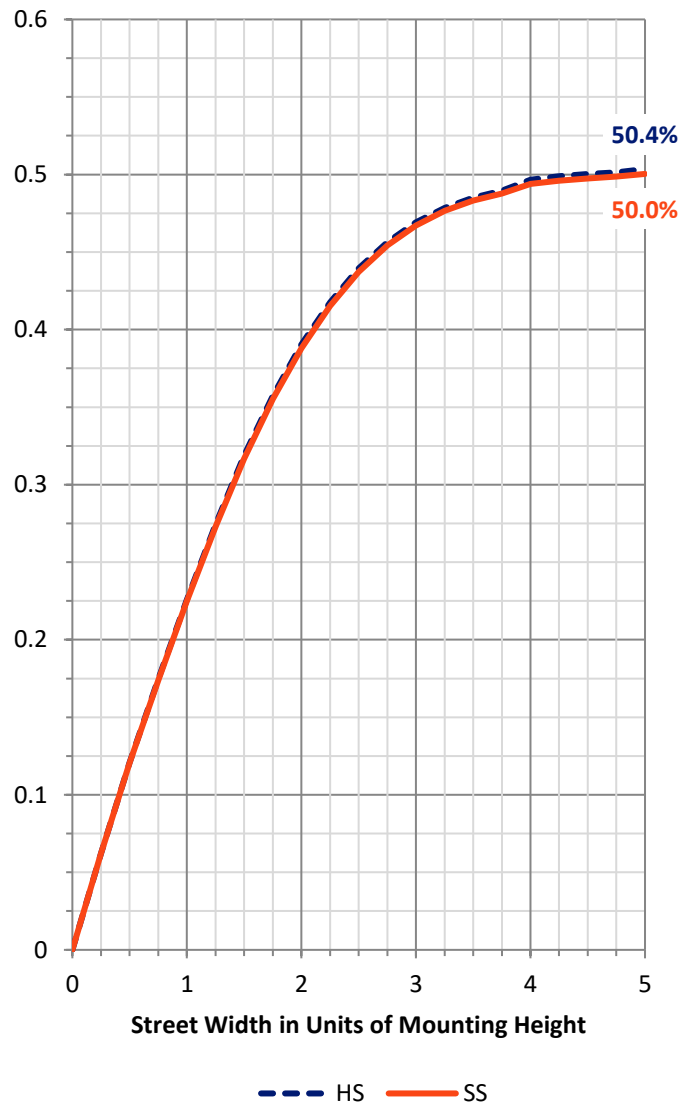
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4452.0	0.0	4452.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4452.0	0.0	4452.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8904.0	0.0	8904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	0.8
10°-20°	221.8	2.5
20°-30°	369.2	4.1
30°-40°	558.3	6.3
40°-50°	927.8	10.4
50°-60°	1750.7	19.7
60°-70°	2956.2	33.2
70°-80°	1942.5	21.8
80°-90°	101.8	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°	8904.0	100.0
0°-180°	8904.0	100.0

Coefficient of Utilization



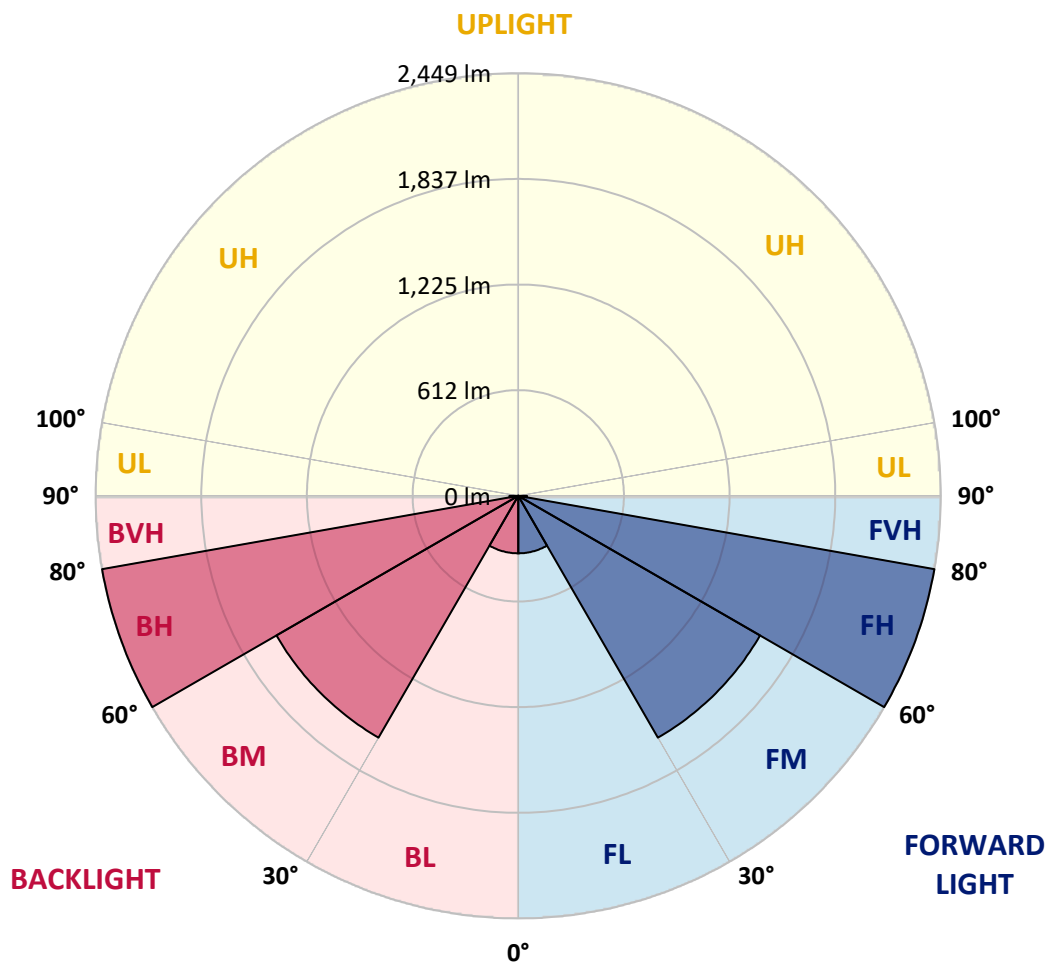
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.3	3.7			
FM (30°-60°)	1618.4	18.2			
FH (60°-80°)	2449.4	27.5			G2/5000
FVH (80°-90°)	50.9	0.6			G1/100
BL (0°-30°)	333.3	3.7	B1/500		
BM (30°-60°)	1618.4	18.2	B2/2500		
BH (60°-80°)	2449.4	27.5	B3/2500		G2/5000
BVH (80°-90°)	50.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	812.2	812.2	812.2	812.2	812.2	812.2	812.2	812.2	812.2	812.2
2.5°	807.1	809.4	808.5	806.7	806.7	805.3	806.7	807.6	809.0	809.9
5°	796.5	798.3	797.9	796.5	797.0	795.6	796.5	797.9	798.8	799.3
7.5°	787.2	789.1	788.2	785.8	785.8	784.5	784.9	786.3	787.7	788.2
10°	784.9	786.8	784.0	780.3	778.9	777.1	777.5	778.9	781.7	783.1
12.5°	785.8	787.2	784.5	778.9	777.5	775.7	775.7	777.1	780.8	782.6
15°	788.6	790.0	785.8	779.8	778.4	777.1	776.6	778.4	782.6	785.8
17.5°	793.7	795.1	788.6	780.3	778.4	778.9	778.4	779.8	786.3	792.3
20°	798.3	799.3	790.5	780.3	778.4	778.9	778.4	781.2	789.5	797.9
22.5°	799.7	800.7	792.3	783.5	782.1	782.6	782.1	784.9	792.8	801.1
25°	800.2	801.6	795.1	788.2	790.5	791.4	790.5	790.9	797.0	804.4
27.5°	807.1	809.0	803.0	797.0	798.3	797.9	799.3	800.7	805.3	812.7
30°	821.5	822.9	817.8	811.8	810.8	807.6	811.8	816.4	821.5	828.0
32.5°	845.1	847.9	841.4	834.9	830.7	828.9	832.1	840.0	846.9	853.9
35°	884.4	886.3	880.3	868.2	860.8	860.8	863.6	873.8	884.9	893.7
37.5°	940.0	942.3	931.6	917.3	906.2	906.2	909.9	920.5	937.2	949.7
40°	1007.5	1010.8	997.3	982.5	971.9	970.0	974.7	986.7	1002.4	1018.2
42.5°	1089.0	1092.7	1075.1	1062.1	1053.8	1053.8	1056.1	1067.2	1081.6	1101.0
45°	1193.1	1199.6	1175.5	1162.6	1154.7	1156.6	1157.9	1167.7	1180.6	1202.8
47.5°	1317.1	1323.6	1298.2	1284.7	1283.4	1292.2	1286.6	1293.5	1300.5	1325.9
50°	1457.8	1468.9	1451.4	1450.4	1453.2	1469.4	1456.4	1460.2	1452.3	1468.5
52.5°	1630.0	1646.2	1643.0	1648.5	1679.5	1712.8	1683.2	1670.3	1640.6	1645.7
55°	1838.7	1863.3	1867.9	1901.2	1971.6	2039.6	1976.6	1924.3	1861.4	1849.8
57.5°	2076.1	2095.6	2117.8	2185.8	2317.3	2438.1	2317.3	2201.6	2102.5	2078.9
60°	2331.6	2355.7	2377.0	2477.4	2672.7	2842.6	2669.0	2485.3	2354.3	2322.4
62.5°	2606.1	2637.1	2651.9	2763.4	2991.1	3193.8	2994.4	2771.7	2626.4	2592.2
65°	2869.4	2894.8	2911.5	3030.5	3248.0	3451.1	3262.8	3043.4	2893.9	2849.0
67.5°	2992.0	3005.9	3046.7	3181.3	3410.9	3642.7	3449.8	3195.7	3028.6	2949.9
70°	2812.5	2784.2	2882.4	3098.0	3430.3	3760.3	3474.7	3091.5	2887.0	2759.2
72.5°	2173.3	2124.7	2295.1	2663.9	3208.2	3685.3	3230.4	2684.7	2401.0	2141.9
75°	1182.5	1127.4	1362.5	1829.0	2558.4	3194.3	2617.2	1881.3	1517.1	1173.7
77.5°	333.7	312.9	502.6	884.9	1538.8	2242.8	1598.1	904.3	596.1	353.6
80°	102.3	99.0	134.2	266.6	653.5	1074.2	628.0	269.8	170.8	107.8
82.5°	60.6	55.5	66.6	97.2	166.6	337.4	162.0	101.4	81.5	54.6
85°	34.7	32.4	39.3	47.2	56.0	71.7	46.7	48.1	43.5	29.2
87.5°	14.3	13.0	15.3	14.8	13.0	16.7	12.5	14.8	17.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
812.2
809.4
799.3
788.2
783.1
783.1
786.3
792.3
798.3
801.1
803.9
810.8
826.6
851.1
890.4
945.0
1013.1
1099.6
1201.9
1318.5
1458.8
1628.6
1831.8
2062.3
2294.6
2564.4
2826.8
2950.8
2789.8
2206.2
1250.0
392.9
113.9
59.2
30.5
10.6
0.0

OF REPORT)