

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: P846541

Luminaire Tested: **GLAN-SB2B-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846541
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-SB2B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8907 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

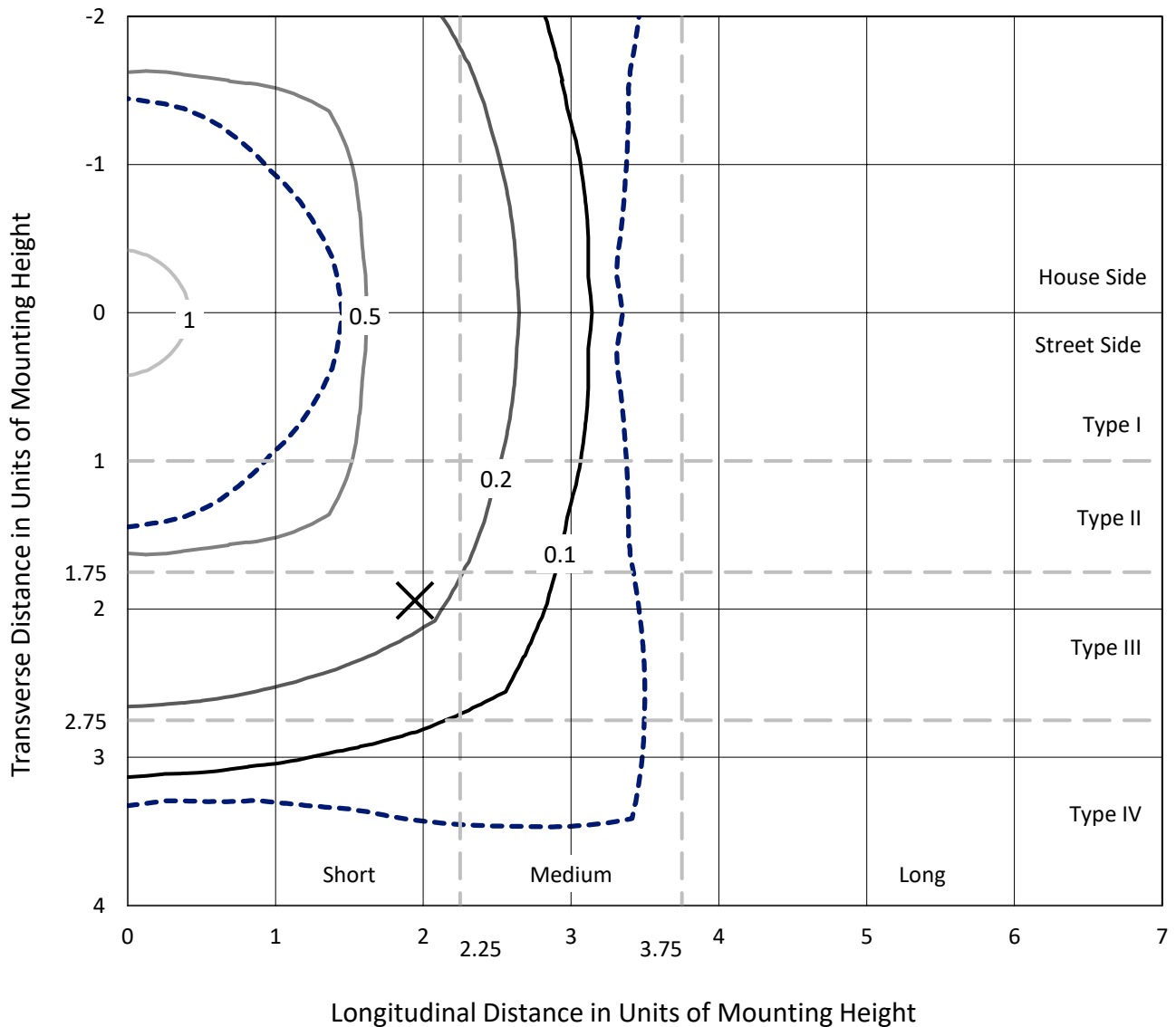
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

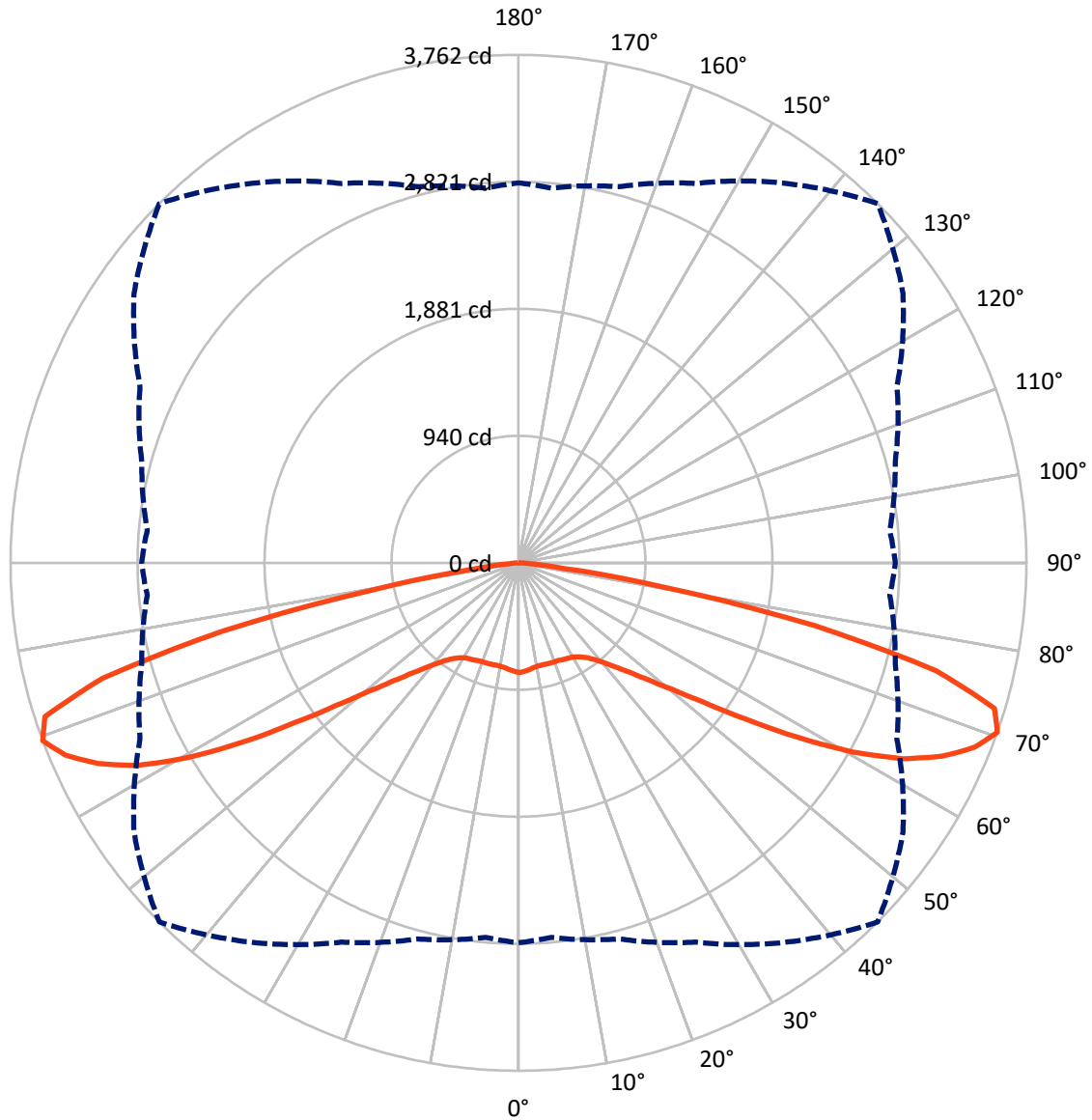
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	4453.5	0.0	4453.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4453.5	0.0	4453.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8907.0	0.0	8907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	0.8
10°-20°	221.9	2.5
20°-30°	369.3	4.1
30°-40°	558.5	6.3
40°-50°	928.1	10.4
50°-60°	1751.3	19.7
60°-70°	2957.2	33.2
70°-80°	1943.2	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°	8907.0	100.0
0°-180°	8907.0	100.0

Coefficient of Utilization



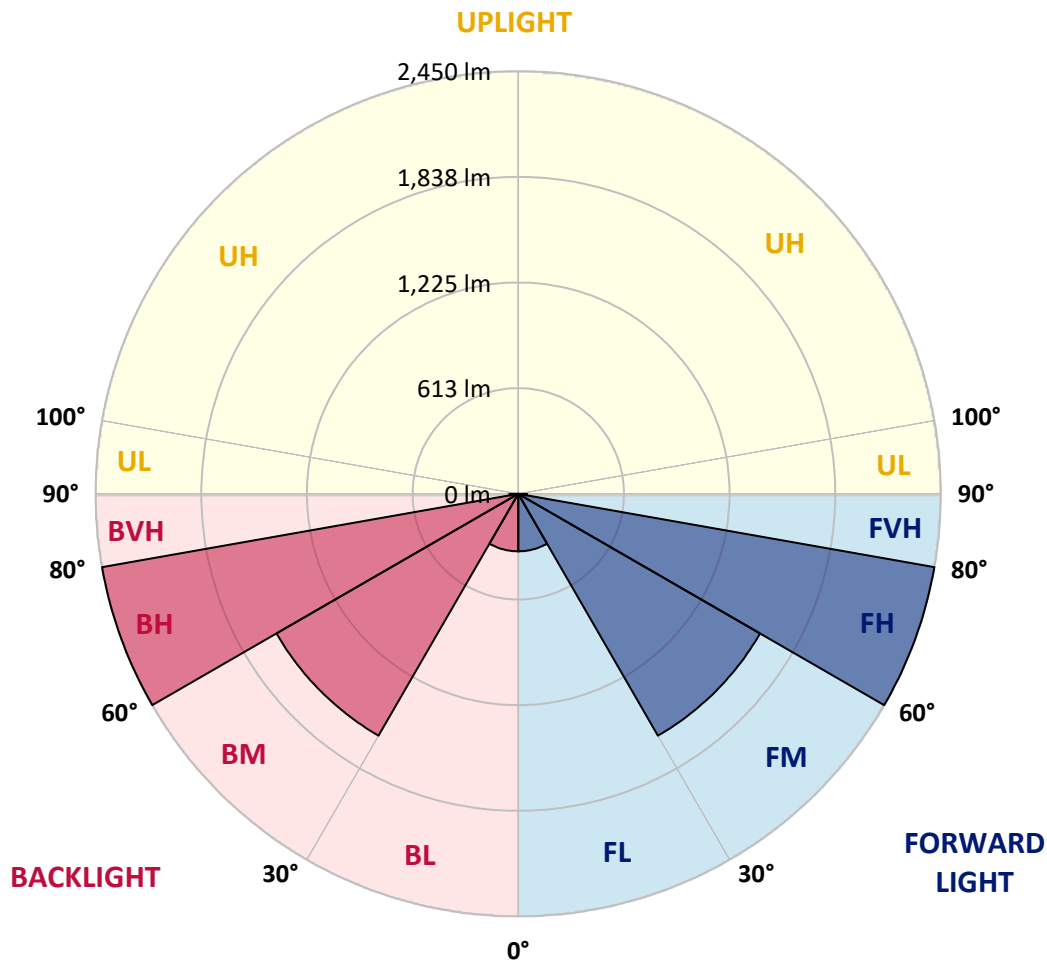
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.4	3.7			
FM (30°-60°)	1619.0	18.2			
FH (60°-80°)	2450.2	27.5			G2/5000
FVH (80°-90°)	50.9	0.6			G1/100
BL (0°-30°)	333.4	3.7	B1/500		
BM (30°-60°)	1619.0	18.2	B2/2500		
BH (60°-80°)	2450.2	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°	812.5	812.5	812.5	812.5	812.5	812.5	812.5	812.5	812.5	812.5
2.5°	807.4	809.7	808.8	806.9	806.9	805.6	806.9	807.9	809.3	810.2
5°	796.8	798.6	798.1	796.8	797.2	795.8	796.8	798.1	799.1	799.5
7.5°	787.5	789.3	788.4	786.1	786.1	784.7	785.2	786.6	788.0	788.4
10°	785.2	787.0	784.3	780.6	779.2	777.3	777.8	779.2	781.9	783.3
12.5°	786.1	787.5	784.7	779.2	777.8	775.9	775.9	777.3	781.0	782.9
15°	788.9	790.3	786.1	780.1	778.7	777.3	776.8	778.7	782.9	786.1
17.5°	794.0	795.4	788.9	780.6	778.7	779.2	778.7	780.1	786.6	792.6
20°	798.6	799.5	790.7	780.6	778.7	779.2	778.7	781.5	789.8	798.1
22.5°	800.0	800.9	792.6	783.8	782.4	782.9	782.4	785.2	793.1	801.4
25°	800.5	801.8	795.4	788.4	790.7	791.7	790.7	791.2	797.2	804.6
27.5°	807.4	809.3	803.2	797.2	798.6	798.1	799.5	800.9	805.6	813.0
30°	821.8	823.1	818.1	812.0	811.1	807.9	812.0	816.7	821.8	828.2
32.5°	845.4	848.1	841.7	835.2	831.0	829.2	832.4	840.3	847.2	854.2
35°	884.7	886.6	880.6	868.5	861.1	861.1	863.9	874.1	885.2	894.0
37.5°	940.3	942.6	931.9	917.6	906.5	906.5	910.2	920.8	937.5	950.0
40°	1007.9	1011.1	997.7	982.9	972.2	970.4	975.0	987.0	1002.8	1018.5
42.5°	1089.3	1093.1	1075.5	1062.5	1054.2	1054.2	1056.5	1067.6	1081.9	1101.4
45°	1193.5	1200.0	1175.9	1163.0	1155.1	1156.9	1158.3	1168.1	1181.0	1203.2
47.5°	1317.6	1324.1	1298.6	1285.2	1283.8	1292.6	1287.0	1294.0	1300.9	1326.4
50°	1458.3	1469.4	1451.8	1450.9	1453.7	1469.9	1456.9	1460.6	1452.8	1469.0
52.5°	1630.6	1646.8	1643.5	1649.1	1680.1	1713.4	1683.8	1670.8	1641.2	1646.3
55°	1839.3	1863.9	1868.5	1901.8	1972.2	2040.3	1977.3	1925.0	1862.0	1850.5
57.5°	2076.8	2096.3	2118.5	2186.6	2318.0	2438.9	2318.0	2202.3	2103.2	2079.6
60°	2332.4	2356.5	2377.8	2478.2	2673.6	2843.5	2669.9	2486.1	2355.1	2323.1
62.5°	2606.9	2638.0	2652.8	2764.3	2992.1	3194.9	2995.4	2772.7	2627.3	2593.0
65°	2870.4	2895.8	2912.5	3031.5	3249.1	3452.3	3263.9	3044.4	2894.9	2850.0
67.5°	2993.0	3006.9	3047.7	3182.4	3412.0	3644.0	3450.9	3196.8	3029.6	2950.9
70°	2813.4	2785.2	2883.3	3099.1	3431.5	3761.6	3475.9	3092.6	2888.0	2760.2
72.5°	2174.1	2125.5	2295.8	2664.8	3209.3	3686.6	3231.5	2685.6	2401.8	2142.6
75°	1182.9	1127.8	1363.0	1829.6	2559.3	3195.4	2618.0	1881.9	1517.6	1174.1
77.5°	333.8	313.0	502.8	885.2	1539.3	2243.5	1598.6	904.6	596.3	353.7
80°	102.3	99.1	134.3	266.7	653.7	1074.5	628.2	269.9	170.8	107.9
82.5°	60.6	55.6	66.7	97.2	166.7	337.5	162.0	101.4	81.5	54.6
85°	34.7	32.4	39.4	47.2	56.0	71.8	46.8	48.1	43.5	29.2
87.5°	14.4	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°
812.5
809.7
799.5
788.4
783.3
783.3
786.6
792.6
798.6
801.4
804.2
811.1
826.8
851.4
890.7
945.4
1013.4
1100.0
1202.3
1319.0
1459.3
1629.2
1832.4
2063.0
2295.4
2565.3
2827.8
2951.8
2790.7
2206.9
1250.5
393.1
113.9
59.3
30.6
10.6
0.0

OF REPORT)