

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: P846631

Luminaire Tested: **GLAN-SB2B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846631
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9431 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

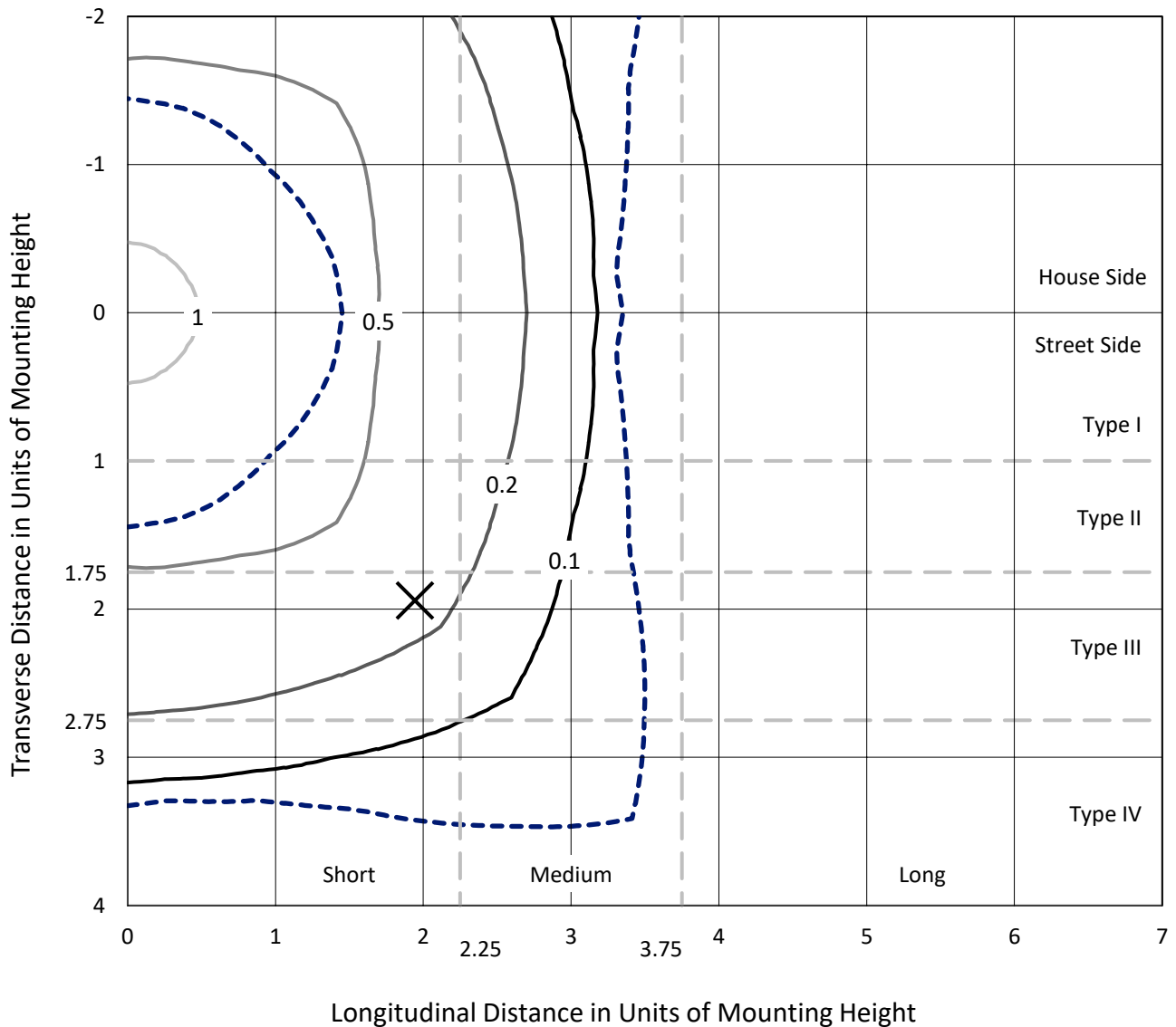
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

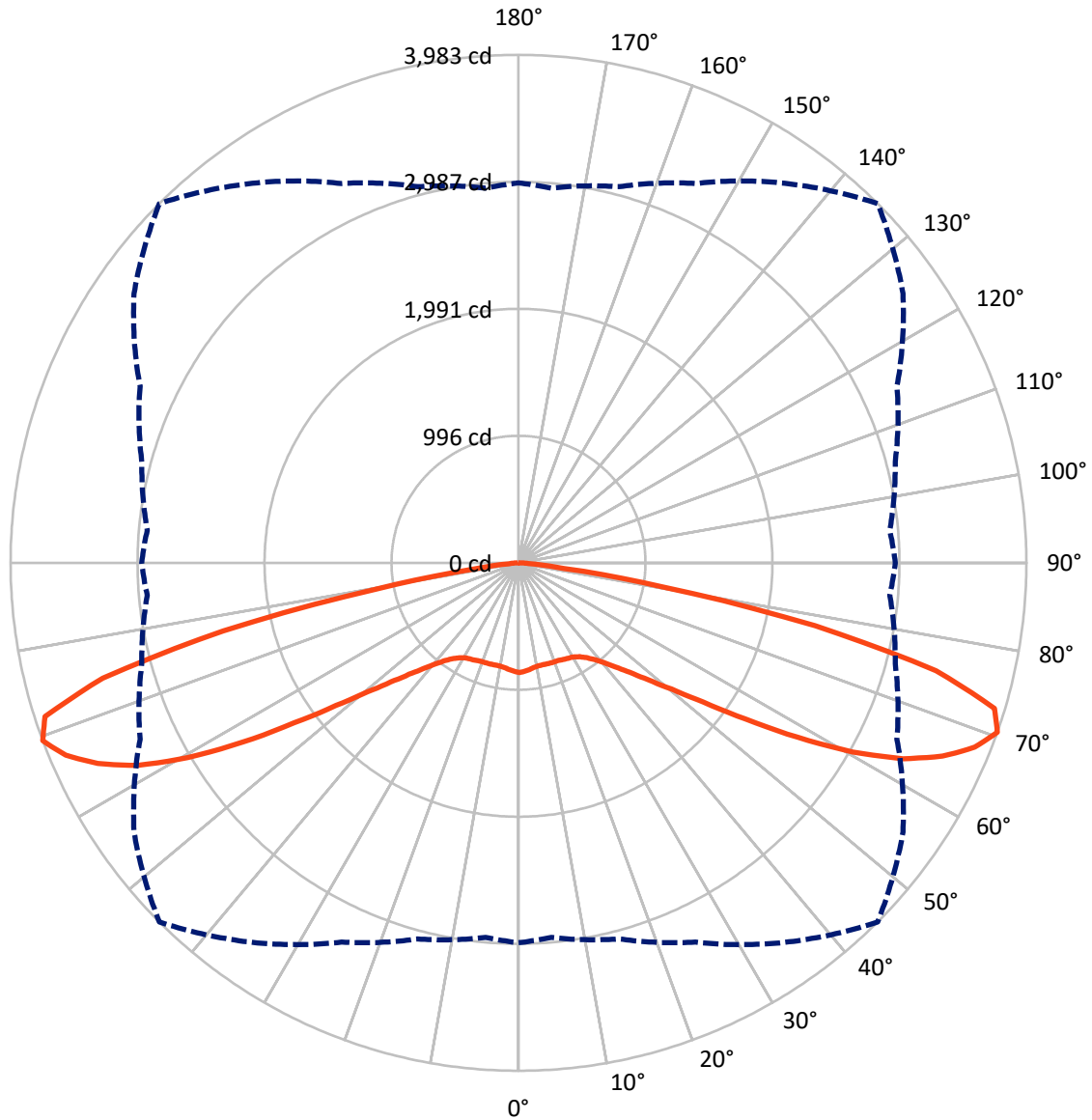
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	4715.5	0.0	4715.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4715.5	0.0	4715.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9431.0	0.0	9431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	0.8
10°-20°	235.0	2.5
20°-30°	391.0	4.1
30°-40°	591.4	6.3
40°-50°	982.7	10.4
50°-60°	1854.4	19.7
60°-70°	3131.2	33.2
70°-80°	2057.5	21.8
80°-90°	107.8	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°	9431.0	100.0
0°-180°	9431.0	100.0

Coefficient of Utilization



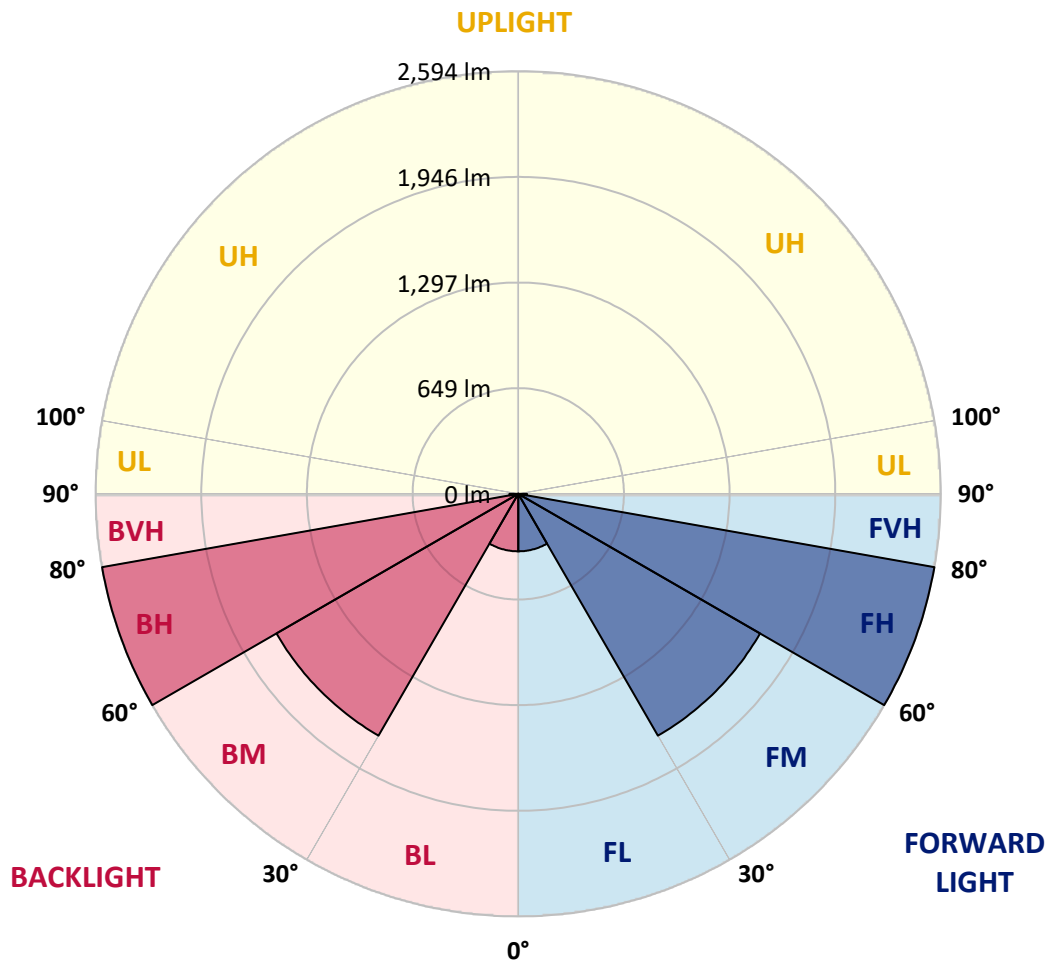
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.0	3.7			
FM (30°-60°)	1714.2	18.2			
FH (60°-80°)	2594.3	27.5			G2/5000
FVH (80°-90°)	53.9	0.6			G1/100
BL (0°-30°)	353.0	3.7	B1/500		
BM (30°-60°)	1714.2	18.2	B2/2500		
BH (60°-80°)	2594.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	53.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	860.3	860.3	860.3	860.3	860.3	860.3	860.3	860.3	860.3	860.3
2.5°	854.9	857.4	856.4	854.4	854.4	852.9	854.4	855.4	856.9	857.8
5°	843.6	845.6	845.1	843.6	844.1	842.6	843.6	845.1	846.1	846.6
7.5°	833.8	835.8	834.8	832.4	832.4	830.9	831.4	832.8	834.3	834.8
10°	831.4	833.3	830.4	826.5	825.0	823.0	823.5	825.0	827.9	829.4
12.5°	832.4	833.8	830.9	825.0	823.5	821.6	821.6	823.0	827.0	828.9
15°	835.3	836.8	832.4	826.0	824.5	823.0	822.6	824.5	828.9	832.4
17.5°	840.7	842.2	835.3	826.5	824.5	825.0	824.5	826.0	832.8	839.2
20°	845.6	846.6	837.3	826.5	824.5	825.0	824.5	827.5	836.3	845.1
22.5°	847.1	848.0	839.2	829.9	828.4	828.9	828.4	831.4	839.7	848.5
25°	847.6	849.0	842.2	834.8	837.3	838.2	837.3	837.7	844.1	852.0
27.5°	854.9	856.9	850.5	844.1	845.6	845.1	846.6	848.0	852.9	860.8
30°	870.1	871.6	866.2	859.8	858.8	855.4	859.8	864.7	870.1	877.0
32.5°	895.1	898.0	891.2	884.3	879.9	877.9	881.4	889.7	897.1	904.4
35°	936.8	938.7	932.4	919.6	911.8	911.8	914.7	925.5	937.3	946.6
37.5°	995.6	998.0	986.8	971.6	959.8	959.8	963.7	975.0	992.7	1005.9
40°	1067.2	1070.6	1056.4	1040.7	1029.4	1027.5	1032.4	1045.1	1061.8	1078.4
42.5°	1153.4	1157.4	1138.7	1125.0	1116.2	1116.2	1118.6	1130.4	1145.6	1166.2
45°	1263.7	1270.6	1245.1	1231.4	1223.0	1225.0	1226.5	1236.8	1250.5	1274.0
47.5°	1395.1	1402.0	1375.0	1360.8	1359.3	1368.6	1362.7	1370.1	1377.5	1404.4
50°	1544.1	1555.9	1537.3	1536.3	1539.2	1556.4	1542.7	1546.6	1538.2	1555.4
52.5°	1726.5	1743.6	1740.2	1746.1	1778.9	1814.2	1782.8	1769.1	1737.8	1743.1
55°	1947.6	1973.5	1978.4	2013.7	2088.2	2160.3	2093.6	2038.2	1971.6	1959.3
57.5°	2199.0	2219.6	2243.1	2315.2	2454.4	2582.4	2454.4	2331.9	2227.0	2202.0
60°	2469.6	2495.1	2517.7	2624.0	2830.9	3010.8	2827.0	2632.4	2493.6	2459.8
62.5°	2760.3	2793.1	2808.8	2927.0	3168.1	3382.9	3171.6	2935.8	2781.9	2745.6
65°	3039.2	3066.2	3083.8	3209.8	3440.2	3655.4	3455.9	3223.5	3065.2	3017.7
67.5°	3169.1	3183.8	3227.0	3369.6	3612.8	3858.3	3653.9	3384.8	3207.9	3124.5
70°	2978.9	2949.0	3053.0	3281.4	3633.3	3982.9	3680.4	3274.5	3057.9	2922.6
72.5°	2302.0	2250.5	2430.9	2821.6	3398.1	3903.4	3421.6	2843.6	2543.1	2268.6
75°	1252.5	1194.1	1443.1	1937.3	2709.8	3383.3	2772.1	1992.7	1606.9	1243.1
77.5°	353.4	331.4	532.4	937.3	1629.9	2375.5	1692.7	957.8	631.4	374.5
80°	108.3	104.9	142.2	282.4	692.2	1137.7	665.2	285.8	180.9	114.2
82.5°	64.2	58.8	70.6	102.9	176.5	357.4	171.6	107.4	86.3	57.8
85°	36.8	34.3	41.7	50.0	59.3	76.0	49.5	51.0	46.1	30.9
87.5°	15.2	13.7	16.2	15.7	13.7	17.6	13.2	15.7	18.6	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
860.3
857.4
846.6
834.8
829.4
829.4
832.8
839.2
845.6
848.5
851.5
858.8
875.5
901.5
943.1
1001.0
1073.0
1164.7
1273.0
1396.6
1545.1
1725.0
1940.2
2184.3
2430.4
2716.2
2994.1
3125.5
2954.9
2336.8
1324.0
416.2
120.6
62.7
32.4
11.3
0.0

OF REPORT)