

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: P846651

Luminaire Tested: **GLAN-SB2B-850-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846651  
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-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9781 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

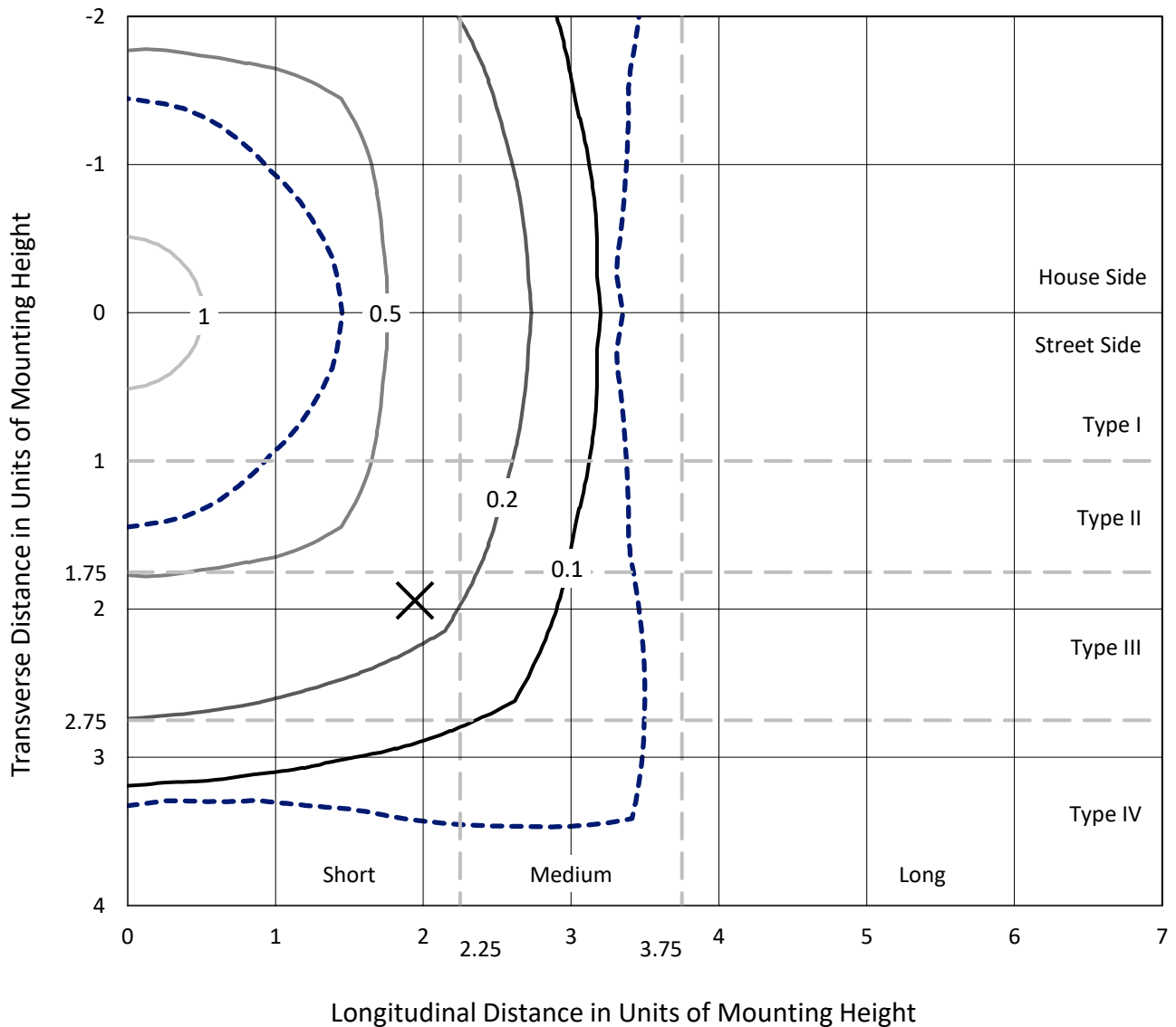
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

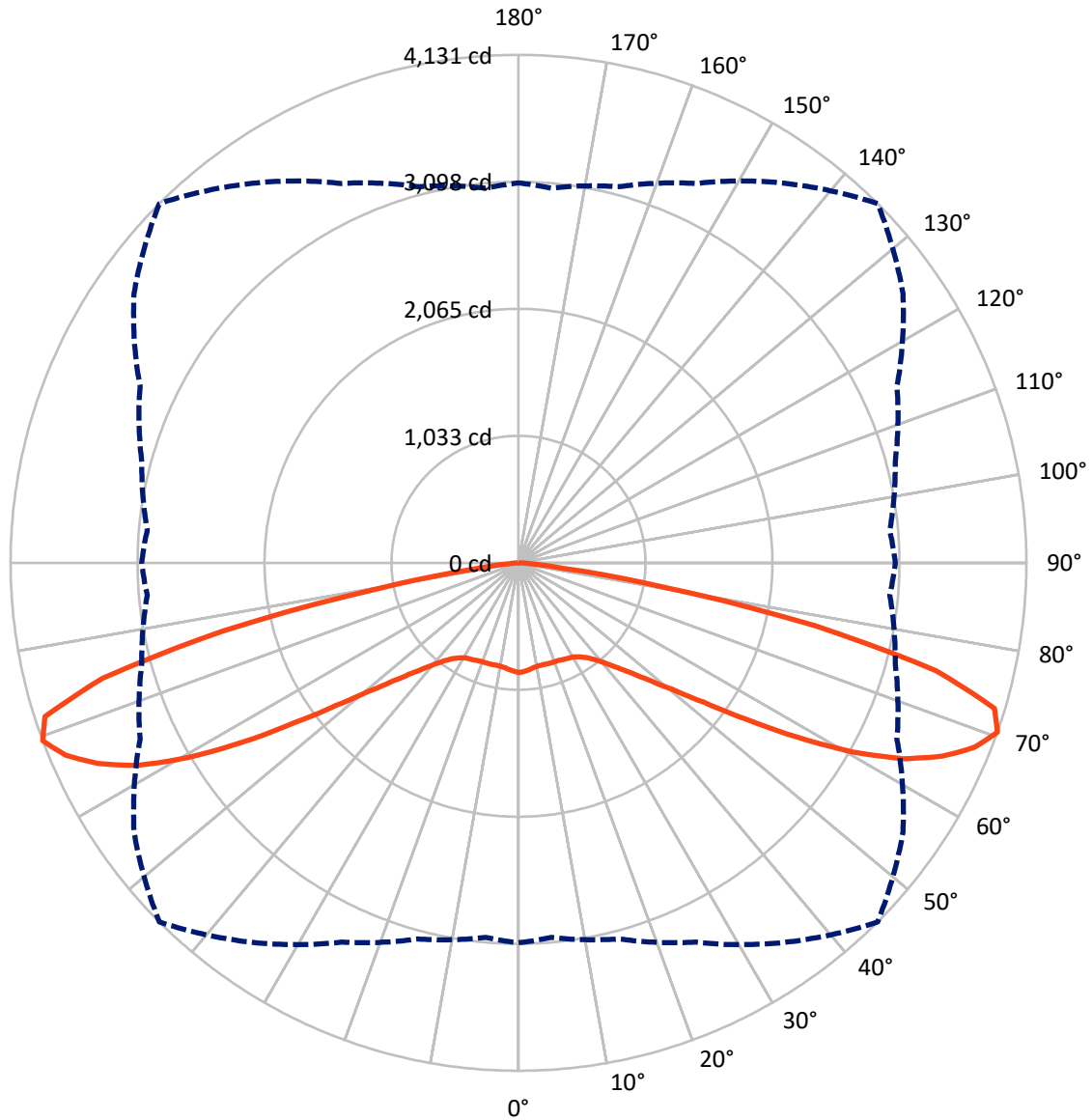
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	4890.5	0.0	4890.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4890.5	0.0	4890.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9781.0	0.0	9781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.0	0.8
10°-20°	243.7	2.5
20°-30°	405.6	4.1
30°-40°	613.3	6.3
40°-50°	1019.2	10.4
50°-60°	1923.2	19.7
60°-70°	3247.4	33.2
70°-80°	2133.9	21.8
80°-90°	111.8	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°	9781.0	100.0
0°-180°	9781.0	100.0

**Coefficient of Utilization**



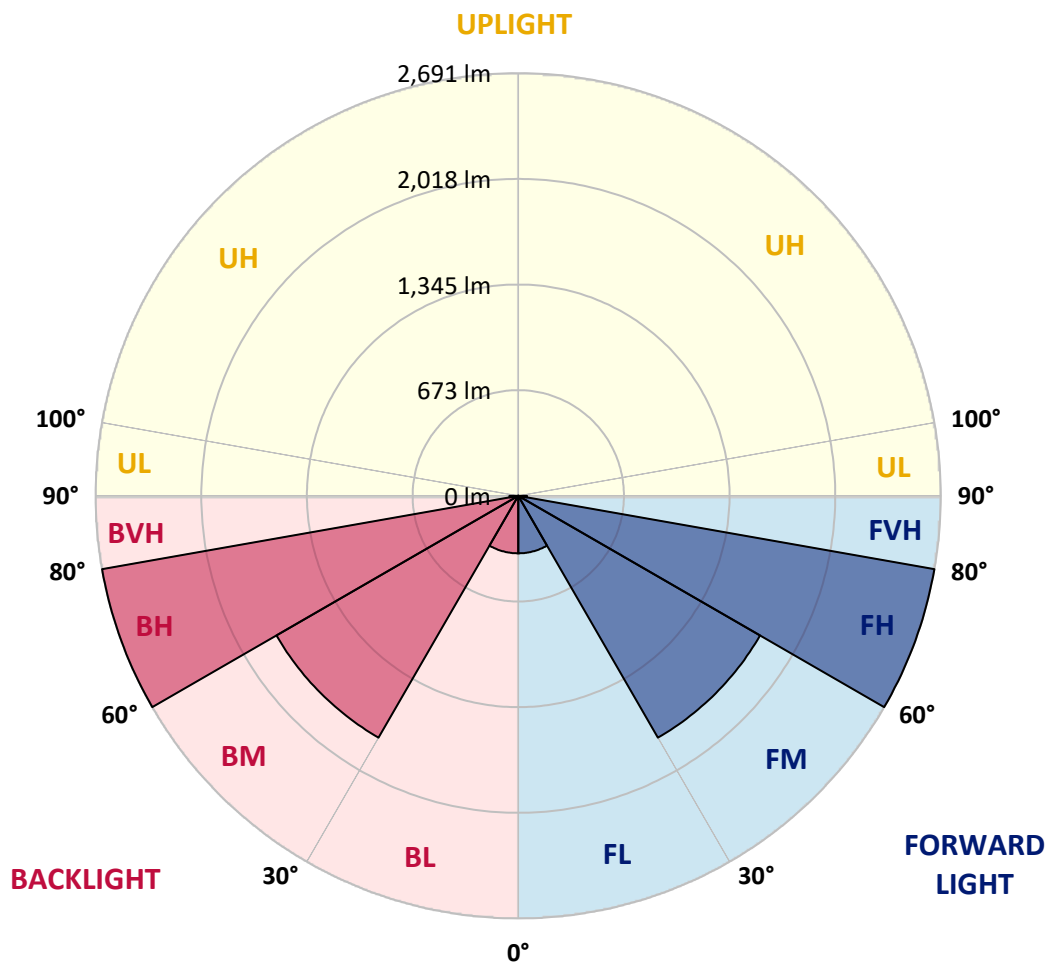
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.1	3.7			
FM (30°-60°)	1777.8	18.2			
FH (60°-80°)	2690.6	27.5			G2/5000
FVH (80°-90°)	55.9	0.6			G1/100
BL (0°-30°)	366.1	3.7	B1/500		
BM (30°-60°)	1777.8	18.2	B2/2500		
BH (60°-80°)	2690.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	55.9	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°	892.2	892.2	892.2	892.2	892.2	892.2	892.2	892.2	892.2	892.2
2.5°	886.6	889.2	888.2	886.1	886.1	884.6	886.1	887.1	888.7	889.7
5°	874.9	877.0	876.5	874.9	875.4	873.9	874.9	876.5	877.5	878.0
7.5°	864.8	866.8	865.8	863.2	863.2	861.7	862.2	863.8	865.3	865.8
10°	862.2	864.3	861.2	857.1	855.6	853.6	854.1	855.6	858.7	860.2
12.5°	863.2	864.8	861.7	855.6	854.1	852.1	852.1	853.6	857.7	859.7
15°	866.3	867.8	863.2	856.6	855.1	853.6	853.1	855.1	859.7	863.2
17.5°	871.9	873.4	866.3	857.1	855.1	855.6	855.1	856.6	863.8	870.4
20°	877.0	878.0	868.3	857.1	855.1	855.6	855.1	858.2	867.3	876.5
22.5°	878.5	879.5	870.4	860.7	859.2	859.7	859.2	862.2	870.9	880.0
25°	879.0	880.5	873.4	865.8	868.3	869.3	868.3	868.8	875.4	883.6
27.5°	886.6	888.7	882.1	875.4	877.0	876.5	878.0	879.5	884.6	892.7
30°	902.4	903.9	898.3	891.7	890.7	887.1	891.7	896.8	902.4	909.5
32.5°	928.3	931.4	924.3	917.1	912.6	910.5	914.1	922.7	930.4	938.0
35°	971.5	973.6	967.0	953.7	945.6	945.6	948.7	959.8	972.0	981.7
37.5°	1032.5	1035.1	1023.4	1007.6	995.4	995.4	999.5	1011.2	1029.5	1043.2
40°	1106.8	1110.3	1095.6	1079.3	1067.6	1065.6	1070.7	1083.9	1101.2	1118.5
42.5°	1196.2	1200.3	1181.0	1166.8	1157.6	1157.6	1160.1	1172.3	1188.1	1209.5
45°	1310.6	1317.7	1291.3	1277.1	1268.4	1270.5	1272.0	1282.7	1296.9	1321.3
47.5°	1446.9	1454.0	1426.0	1411.3	1409.8	1419.4	1413.3	1420.9	1428.6	1456.5
50°	1601.4	1613.6	1594.3	1593.3	1596.3	1614.1	1599.9	1604.0	1595.3	1613.1
52.5°	1790.5	1808.3	1804.8	1810.9	1844.9	1881.6	1849.0	1834.8	1802.2	1807.8
55°	2019.8	2046.8	2051.9	2088.5	2165.7	2240.5	2171.3	2113.9	2044.7	2032.0
57.5°	2280.6	2302.0	2326.4	2401.1	2545.5	2678.2	2545.5	2418.4	2309.6	2283.7
60°	2561.3	2587.7	2611.1	2721.4	2936.0	3122.5	2931.9	2730.1	2586.2	2551.1
62.5°	2862.7	2896.8	2913.1	3035.6	3285.7	3508.4	3289.3	3044.7	2885.1	2847.5
65°	3152.0	3180.0	3198.3	3328.9	3567.9	3791.1	3584.1	3343.2	3179.0	3129.6
67.5°	3286.7	3302.0	3346.7	3494.7	3746.8	4001.5	3789.5	3510.4	3326.9	3240.5
70°	3089.5	3058.5	3166.3	3403.2	3768.2	4130.7	3817.0	3396.0	3171.3	3031.0
72.5°	2387.4	2334.0	2521.1	2926.3	3524.2	4048.3	3548.6	2949.2	2637.5	2352.8
75°	1298.9	1238.4	1496.7	2009.2	2810.4	3508.9	2874.9	2066.6	1666.5	1289.3
77.5°	366.5	343.7	552.1	972.0	1690.4	2463.7	1755.5	993.4	654.8	388.4
80°	112.4	108.8	147.4	292.8	717.8	1180.0	689.9	296.4	187.6	118.5
82.5°	66.6	61.0	73.2	106.8	183.0	370.6	177.9	111.3	89.5	60.0
85°	38.1	35.6	43.2	51.9	61.5	78.8	51.3	52.9	47.8	32.0
87.5°	15.8	14.2	16.8	16.3	14.2	18.3	13.7	16.3	19.3	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
892.2
889.2
878.0
865.8
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1207.9
1320.3
1448.4
1602.4
1789.0
2012.2
2265.4
2520.6
2817.0
3105.2
3241.5
3064.6
2423.5
1373.2
431.6
125.1
65.1
33.6
11.7
0.0

OF REPORT)