

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: P846461

Luminaire Tested: **GLAN-SB2A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846461
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 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: 7513 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

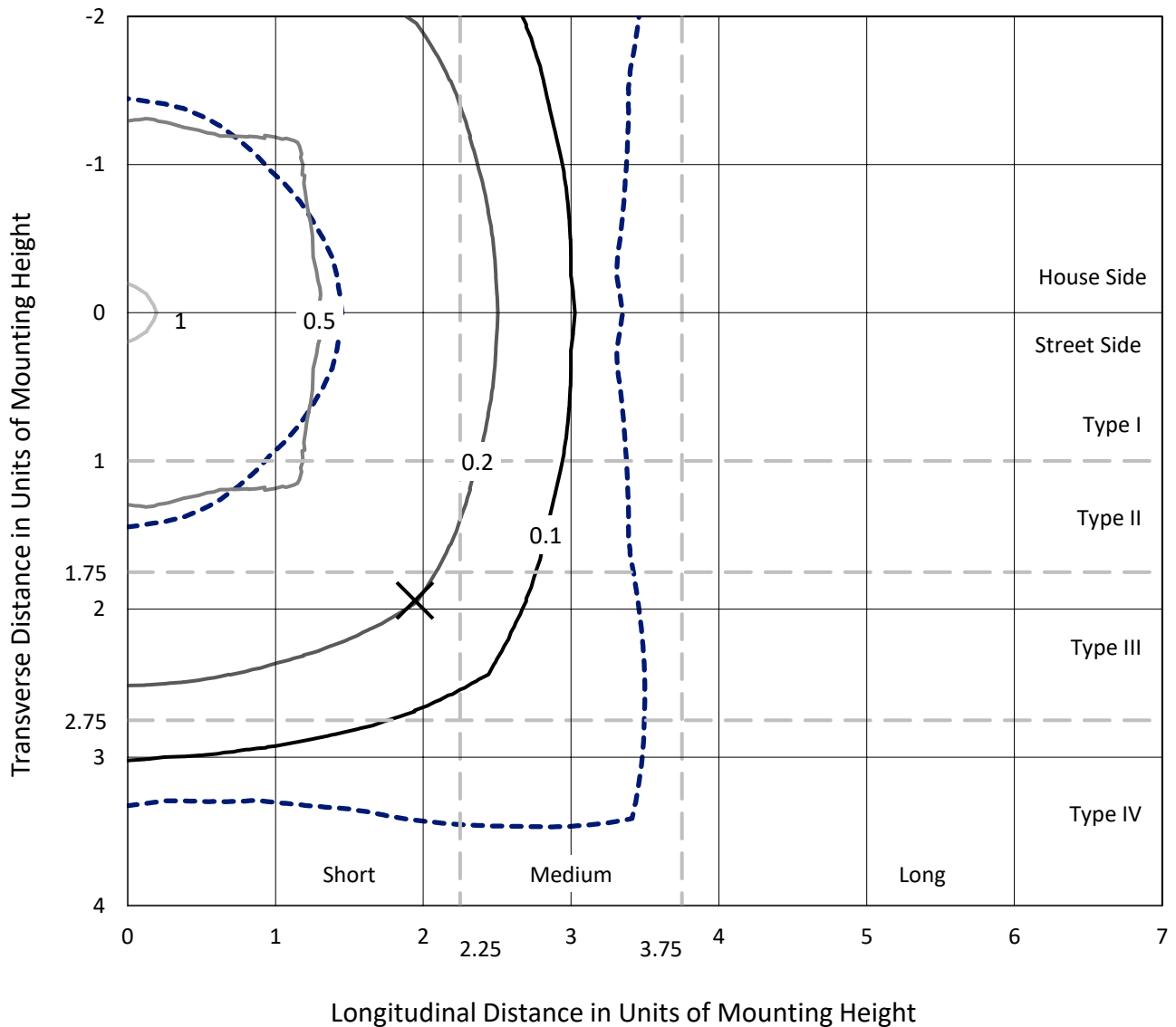
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

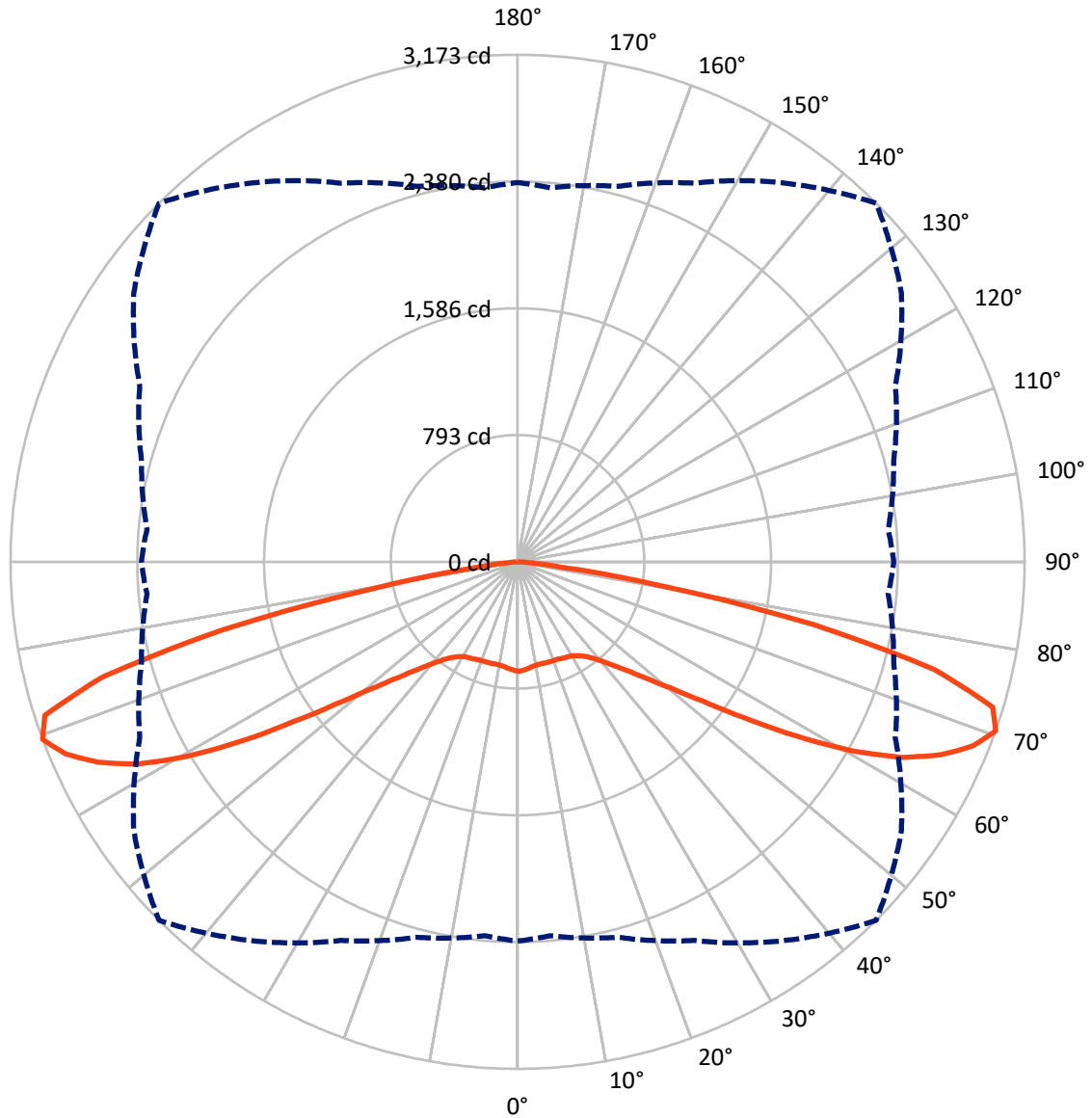
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3756.5	0.0	3756.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3756.5	0.0	3756.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7513.0	0.0	7513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	0.8
10°-20°	187.2	2.5
20°-30°	311.5	4.1
30°-40°	471.1	6.3
40°-50°	782.9	10.4
50°-60°	1477.2	19.7
60°-70°	2494.4	33.2
70°-80°	1639.1	21.8
80°-90°	85.9	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°	7513.0	100.0
0°-180°	7513.0	100.0

Coefficient of Utilization



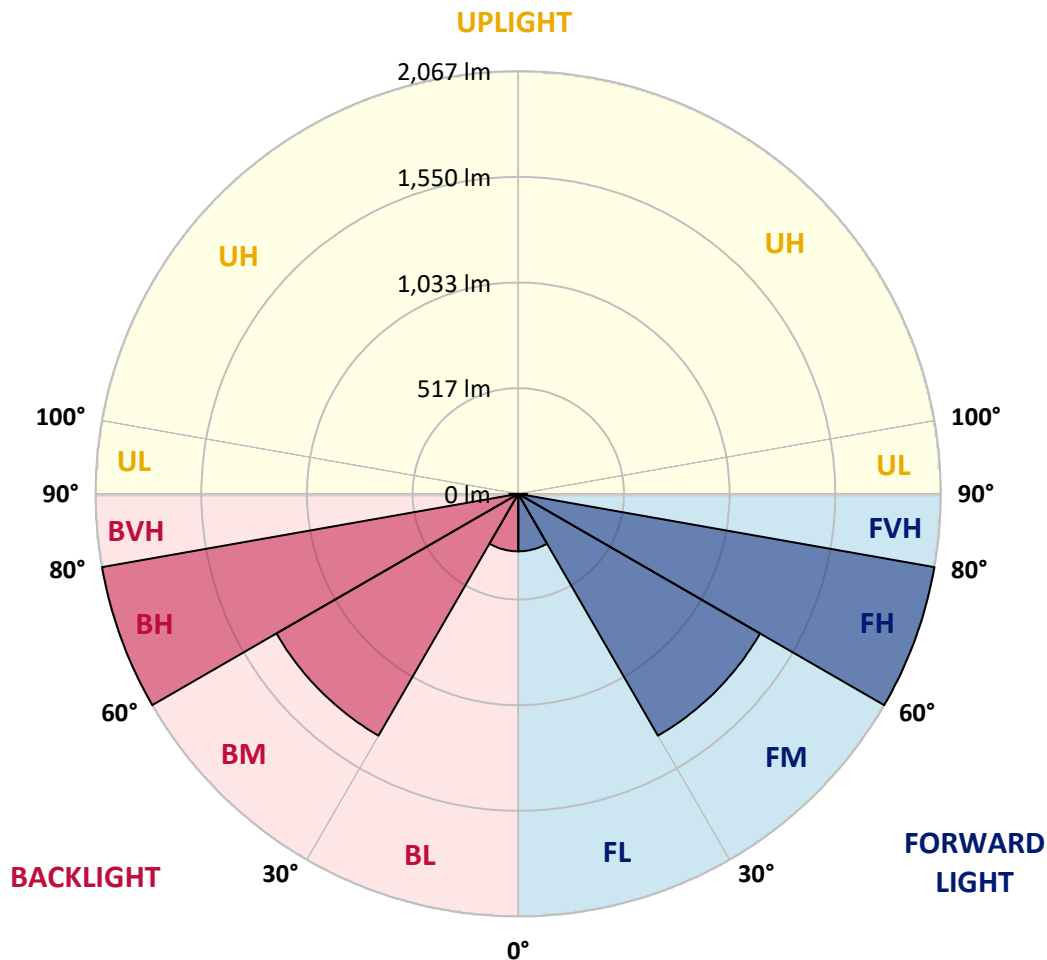
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.2	3.7			
FM (30°-60°)	1365.6	18.2			
FH (60°-80°)	2066.7	27.5			G2/5000
FVH (80°-90°)	42.9	0.6			G1/100
BL (0°-30°)	281.2	3.7	B1/500		
BM (30°-60°)	1365.6	18.2	B2/2500		
BH (60°-80°)	2066.7	27.5	B3/2500		G2/5000
BVH (80°-90°)	42.9	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°	685.3	685.3	685.3	685.3	685.3	685.3	685.3	685.3	685.3	685.3
2.5°	681.0	683.0	682.2	680.7	680.7	679.5	680.7	681.4	682.6	683.4
5°	672.1	673.6	673.2	672.1	672.5	671.3	672.1	673.2	674.0	674.4
7.5°	664.2	665.8	665.0	663.1	663.1	661.9	662.3	663.5	664.6	665.0
10°	662.3	663.9	661.5	658.4	657.2	655.7	656.0	657.2	659.6	660.7
12.5°	663.1	664.2	661.9	657.2	656.0	654.5	654.5	655.7	658.8	660.3
15°	665.4	666.6	663.1	658.0	656.8	655.7	655.3	656.8	660.3	663.1
17.5°	669.7	670.9	665.4	658.4	656.8	657.2	656.8	658.0	663.5	668.5
20°	673.6	674.4	667.0	658.4	656.8	657.2	656.8	659.2	666.2	673.2
22.5°	674.8	675.6	668.5	661.1	660.0	660.3	660.0	662.3	668.9	676.0
25°	675.2	676.4	670.9	665.0	667.0	667.8	667.0	667.4	672.5	678.7
27.5°	681.0	682.6	677.5	672.5	673.6	673.2	674.4	675.6	679.5	685.7
30°	693.1	694.3	690.0	684.9	684.2	681.4	684.9	688.9	693.1	698.6
32.5°	713.1	715.4	709.9	704.5	701.0	699.4	702.1	708.8	714.6	720.5
35°	746.3	747.8	742.7	732.6	726.3	726.3	728.7	737.3	746.6	754.1
37.5°	793.1	795.1	786.1	774.0	764.6	764.6	767.7	776.7	790.8	801.3
40°	850.1	852.9	841.5	829.0	820.1	818.5	822.4	832.6	845.8	859.1
42.5°	918.9	922.0	907.1	896.2	889.2	889.2	891.1	900.5	912.6	929.0
45°	1006.7	1012.2	991.9	980.9	974.3	975.9	977.0	985.2	996.2	1014.9
47.5°	1111.4	1116.8	1095.4	1084.0	1082.9	1090.3	1085.6	1091.5	1097.3	1118.8
50°	1230.1	1239.5	1224.6	1223.8	1226.2	1239.9	1228.9	1232.0	1225.4	1239.1
52.5°	1375.4	1389.0	1386.3	1391.0	1417.1	1445.3	1420.3	1409.3	1384.3	1388.6
55°	1551.5	1572.2	1576.1	1604.2	1663.6	1721.0	1667.8	1623.7	1570.6	1560.8
57.5°	1751.8	1768.2	1787.0	1844.4	1955.3	2057.2	1955.3	1857.6	1774.1	1754.1
60°	1967.4	1987.7	2005.6	2090.4	2255.2	2398.5	2252.0	2097.0	1986.5	1959.6
62.5°	2198.9	2225.1	2237.6	2331.7	2523.8	2694.9	2526.6	2338.7	2216.1	2187.2
65°	2421.1	2442.6	2456.7	2557.0	2740.6	2912.0	2753.1	2568.0	2441.8	2404.0
67.5°	2524.6	2536.3	2570.7	2684.3	2878.0	3073.7	2910.8	2696.4	2555.5	2489.1
70°	2373.1	2349.3	2432.1	2614.0	2894.4	3172.9	2931.9	2608.6	2436.0	2328.2
72.5°	1833.8	1792.8	1936.5	2247.7	2707.0	3109.6	2725.7	2265.3	2025.9	1807.3
75°	997.7	951.3	1149.6	1543.3	2158.7	2695.3	2208.3	1587.4	1280.1	990.3
77.5°	281.6	264.0	424.1	746.6	1298.4	1892.4	1348.4	763.0	503.0	298.3
80°	86.3	83.6	113.2	224.9	551.4	906.4	529.9	227.7	144.1	91.0
82.5°	51.2	46.9	56.2	82.0	140.6	284.7	136.7	85.5	68.7	46.1
85°	29.3	27.3	33.2	39.8	47.3	60.5	39.4	40.6	36.7	24.6
87.5°	12.1	10.9	12.9	12.5	10.9	14.1	10.5	12.5	14.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
685.3
683.0
674.4
665.0
660.7
660.7
663.5
668.5
673.6
676.0
678.3
684.2
697.4
718.1
751.3
797.4
854.8
927.8
1014.1
1112.5
1230.9
1374.2
1545.6
1740.1
1936.1
2163.8
2385.2
2489.9
2354.0
1861.5
1054.8
331.5
96.1
50.0
25.8
9.0
0.0

OF REPORT)