

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: P846481

Luminaire Tested: **GLAN-SB2A-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846481
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7791 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

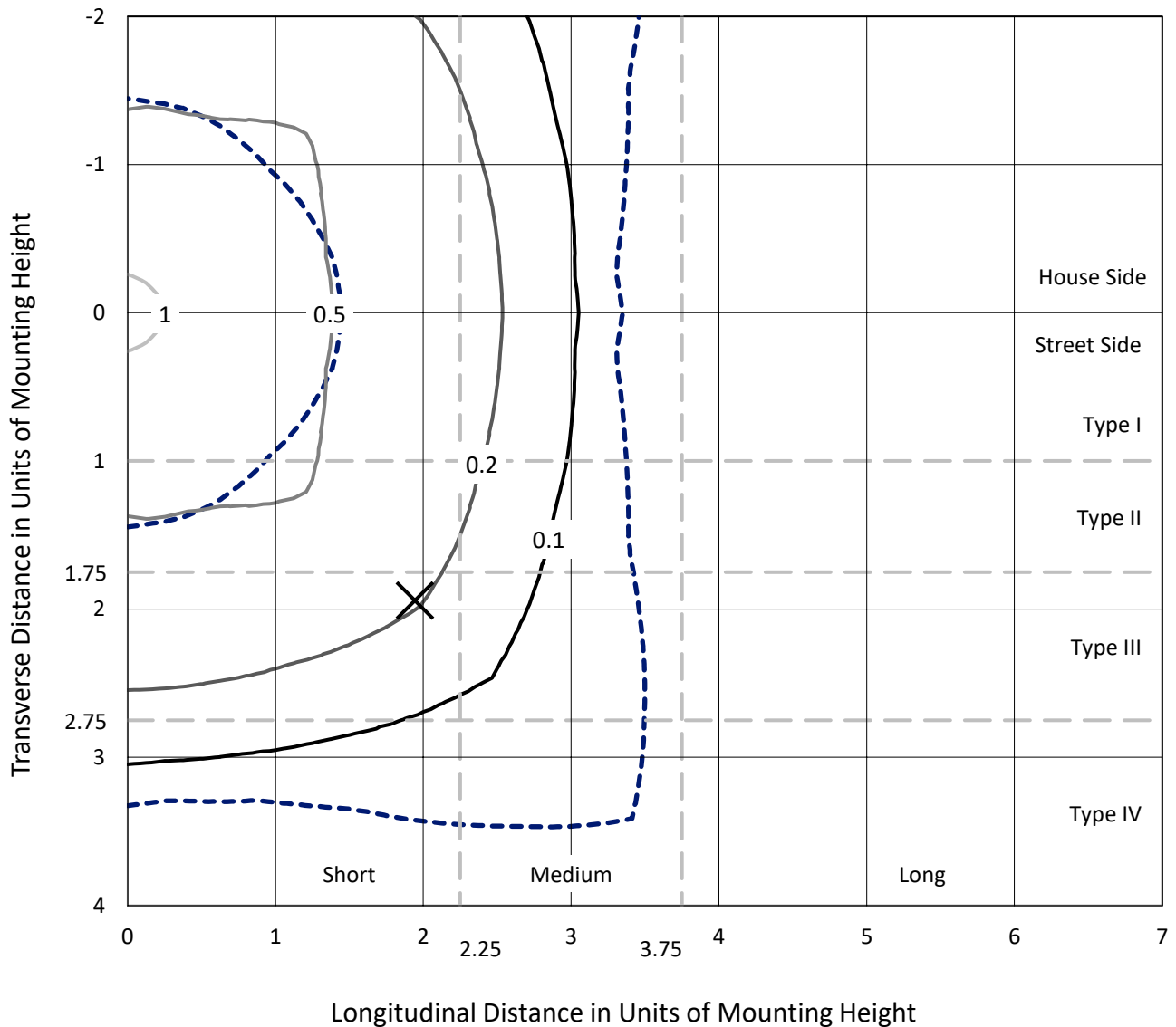
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

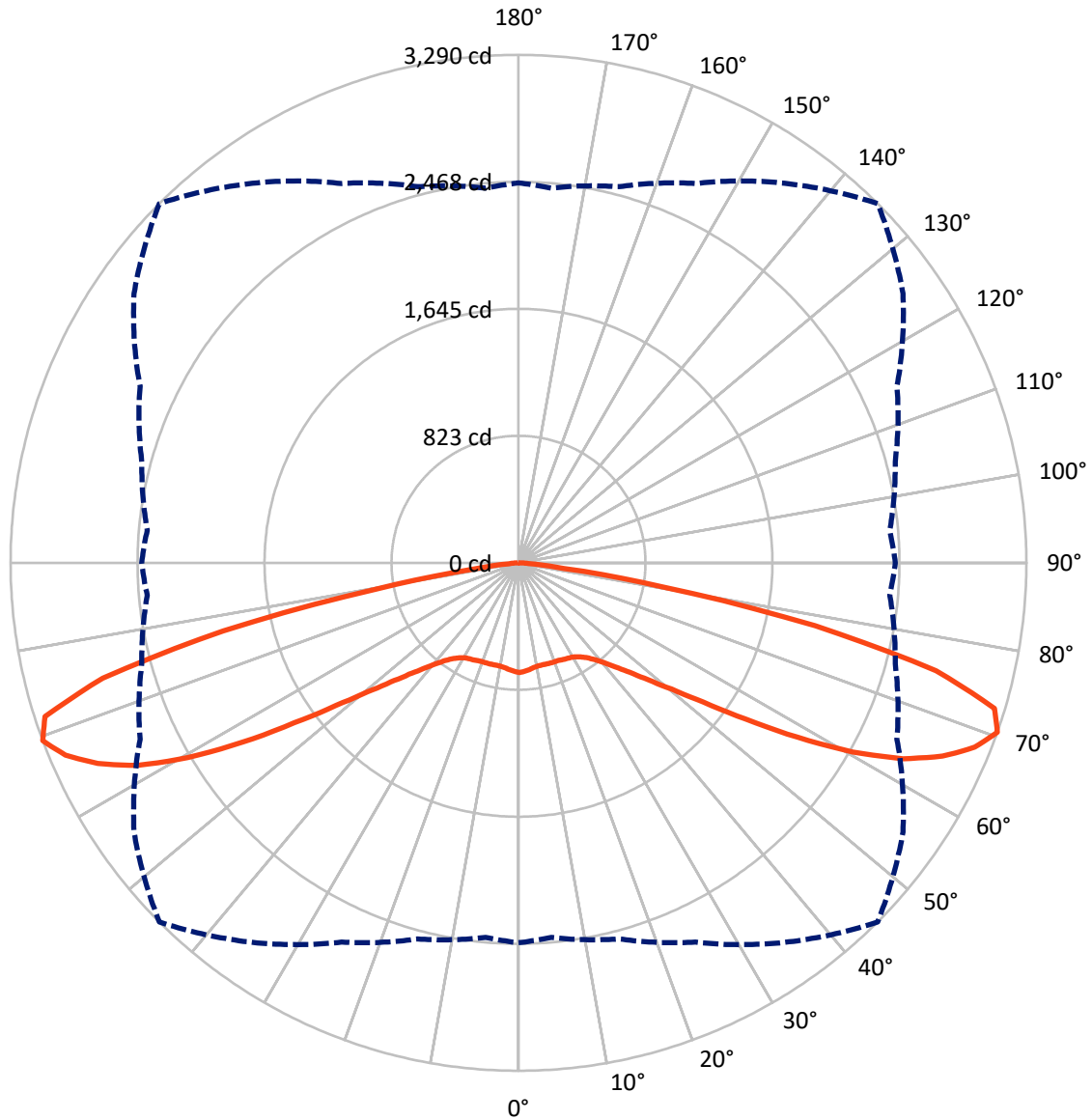
× Max cd
 - - - 1/2 Max cd



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	3895.5	0.0	3895.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3895.5	0.0	3895.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7791.0	0.0	7791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	0.8
10°-20°	194.1	2.5
20°-30°	323.0	4.1
30°-40°	488.5	6.3
40°-50°	811.8	10.4
50°-60°	1531.9	19.7
60°-70°	2586.7	33.2
70°-80°	1699.7	21.8
80°-90°	89.0	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°	7791.0	100.0
0°-180°	7791.0	100.0

Coefficient of Utilization



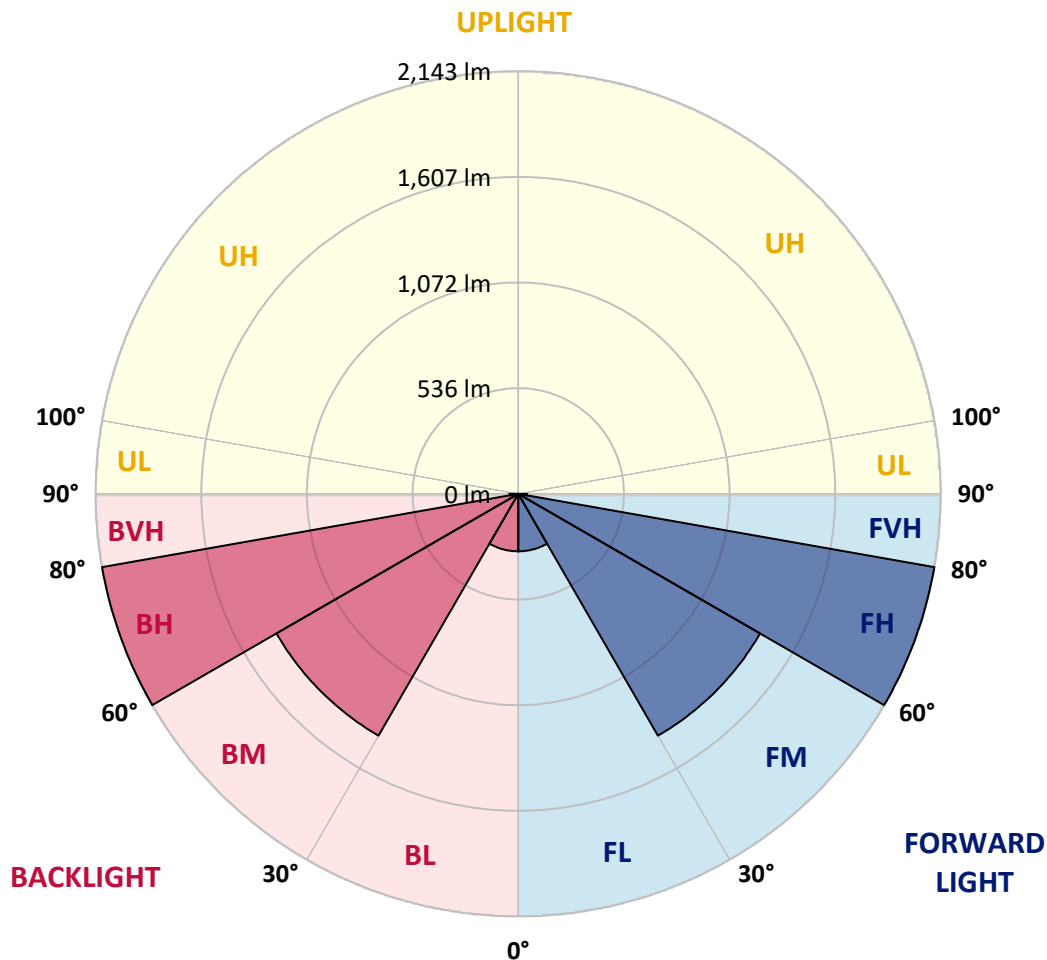
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.6	3.7			
FM (30°-60°)	1416.1	18.2			
FH (60°-80°)	2143.2	27.5			G2/5000
FVH (80°-90°)	44.5	0.6			G1/100
BL (0°-30°)	291.6	3.7	B1/500		
BM (30°-60°)	1416.1	18.2	B2/2500		
BH (60°-80°)	2143.2	27.5	B3/2500		G2/5000
BVH (80°-90°)	44.5	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°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	706.2	708.3	707.5	705.8	705.8	704.6	705.8	706.6	707.9	708.7
5°	696.9	698.5	698.1	696.9	697.3	696.1	696.9	698.1	699.0	699.4
7.5°	688.8	690.4	689.6	687.6	687.6	686.4	686.8	688.0	689.2	689.6
10°	686.8	688.4	686.0	682.8	681.5	679.9	680.3	681.5	684.0	685.2
12.5°	687.6	688.8	686.4	681.5	680.3	678.7	678.7	679.9	683.2	684.8
15°	690.0	691.3	687.6	682.3	681.1	679.9	679.5	681.1	684.8	687.6
17.5°	694.5	695.7	690.0	682.8	681.1	681.5	681.1	682.3	688.0	693.3
20°	698.5	699.4	691.7	682.8	681.1	681.5	681.1	683.6	690.9	698.1
22.5°	699.8	700.6	693.3	685.6	684.4	684.8	684.4	686.8	693.7	701.0
25°	700.2	701.4	695.7	689.6	691.7	692.5	691.7	692.1	697.3	703.8
27.5°	706.2	707.9	702.6	697.3	698.5	698.1	699.4	700.6	704.6	711.1
30°	718.8	720.0	715.6	710.3	709.5	706.6	710.3	714.3	718.8	724.5
32.5°	739.4	741.9	736.2	730.5	726.9	725.3	728.1	735.0	741.1	747.1
35°	773.9	775.5	770.2	759.7	753.2	753.2	755.6	764.6	774.3	782.0
37.5°	822.5	824.5	815.2	802.6	792.9	792.9	796.1	805.5	820.0	831.0
40°	881.6	884.4	872.7	859.7	850.4	848.8	852.8	863.4	877.1	890.9
42.5°	952.9	956.1	940.7	929.4	922.1	922.1	924.1	933.8	946.4	963.4
45°	1044.0	1049.6	1028.6	1017.2	1010.4	1012.0	1013.2	1021.7	1033.0	1052.5
47.5°	1152.5	1158.2	1135.9	1124.2	1122.9	1130.6	1125.8	1131.8	1137.9	1160.2
50°	1275.6	1285.3	1269.9	1269.1	1271.6	1285.7	1274.4	1277.6	1270.7	1284.9
52.5°	1426.3	1440.4	1437.6	1442.4	1469.6	1498.7	1472.8	1461.5	1435.6	1440.0
55°	1608.9	1630.3	1634.4	1663.6	1725.1	1784.6	1729.6	1683.8	1628.7	1618.6
57.5°	1816.6	1833.6	1853.1	1912.6	2027.6	2133.3	2027.6	1926.4	1839.7	1819.1
60°	2040.2	2061.2	2079.8	2167.7	2338.6	2487.2	2335.4	2174.6	2060.0	2032.1
62.5°	2280.3	2307.4	2320.4	2418.0	2617.2	2794.6	2620.1	2425.3	2298.1	2268.2
65°	2510.7	2533.0	2547.6	2651.6	2842.0	3019.7	2854.9	2663.0	2532.2	2492.9
67.5°	2618.0	2630.2	2665.8	2783.7	2984.5	3187.4	3018.5	2796.2	2650.0	2581.2
70°	2460.9	2436.2	2522.1	2710.8	3001.5	3290.3	3040.4	2705.1	2526.1	2414.3
72.5°	1901.7	1859.1	2008.2	2330.9	2807.1	3224.7	2826.6	2349.1	2100.9	1874.1
75°	1034.7	986.5	1192.2	1600.4	2238.6	2795.0	2290.0	1646.1	1327.4	1027.0
77.5°	292.0	273.7	439.8	774.3	1346.5	1962.4	1398.3	791.3	521.6	309.4
80°	89.5	86.7	117.4	233.3	571.8	939.9	549.5	236.1	149.4	94.4
82.5°	53.0	48.6	58.3	85.0	145.8	295.2	141.7	88.7	71.3	47.8
85°	30.4	28.3	34.4	41.3	49.0	62.8	40.9	42.1	38.1	25.5
87.5°	12.6	11.3	13.4	13.0	11.3	14.6	10.9	13.0	15.4	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
710.7
708.3
699.4
689.6
685.2
685.2
688.0
693.3
698.5
701.0
703.4
709.5
723.2
744.7
779.1
826.9
886.4
962.2
1051.7
1153.7
1276.4
1425.0
1602.8
1804.5
2007.8
2243.9
2473.5
2582.0
2441.1
1930.4
1093.8
343.8
99.6
51.8
26.7
9.3
0.0

OF REPORT)