

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: P846311

Luminaire Tested: **GLAN-SB1D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846311
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-SB1D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8841 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

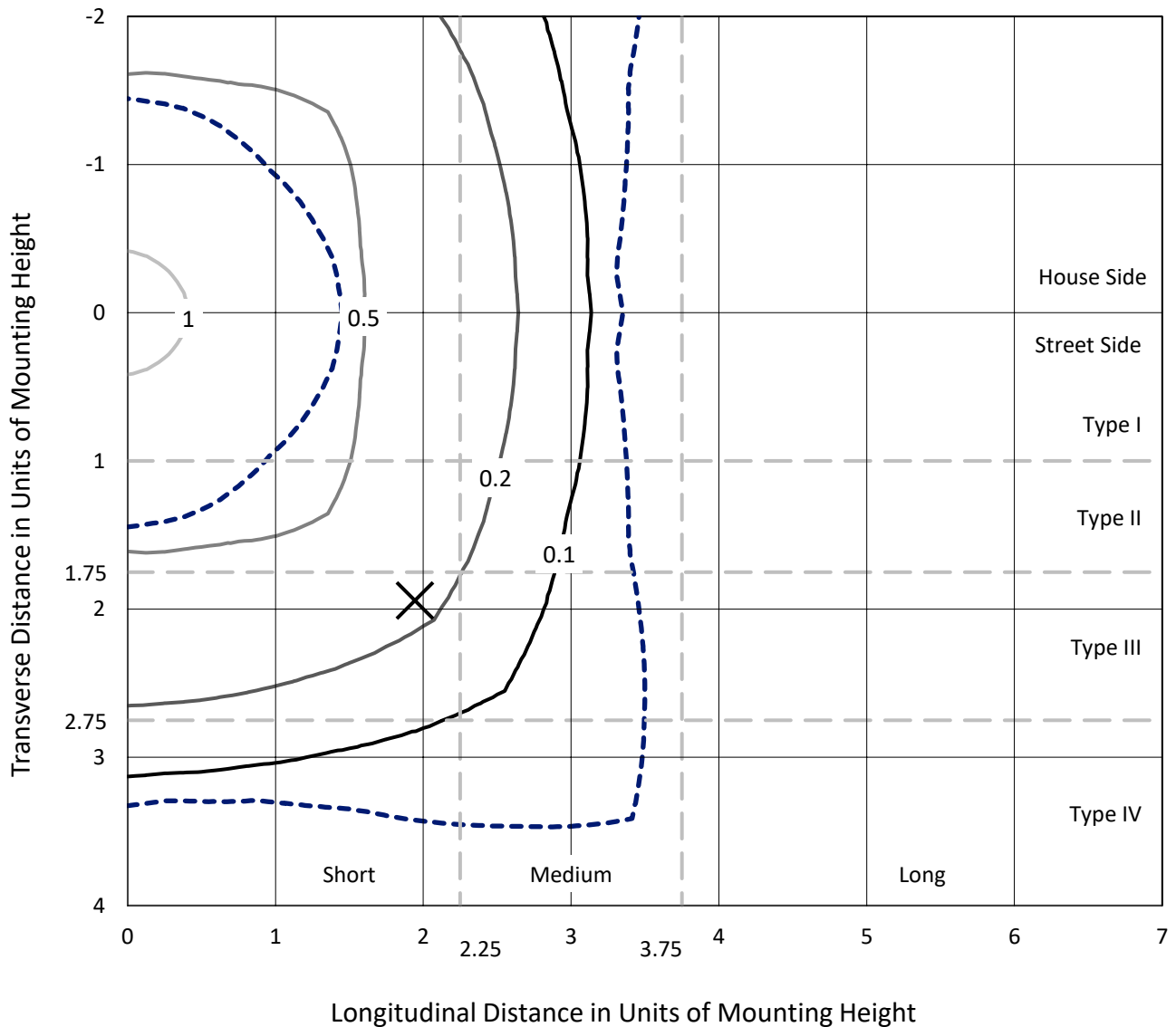
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

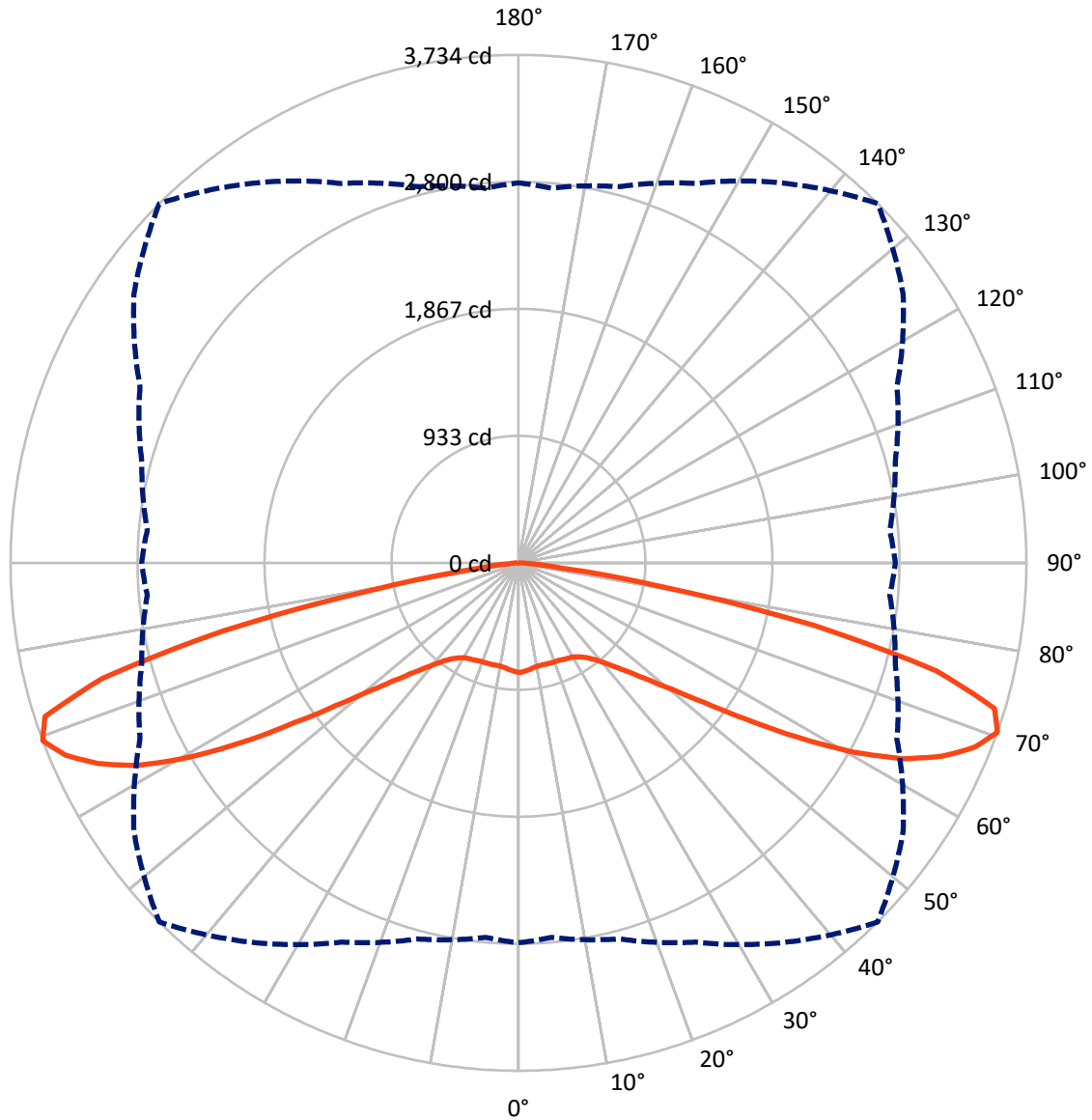
✕ Max cd
 - - - 1/2 Max cd



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	4420.5	0.0	4420.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4420.5	0.0	4420.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8841.0	0.0	8841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	0.8
10°-20°	220.3	2.5
20°-30°	366.6	4.1
30°-40°	554.4	6.3
40°-50°	921.3	10.4
50°-60°	1738.4	19.7
60°-70°	2935.3	33.2
70°-80°	1928.8	21.8
80°-90°	101.1	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°	8841.0	100.0
0°-180°	8841.0	100.0

Coefficient of Utilization



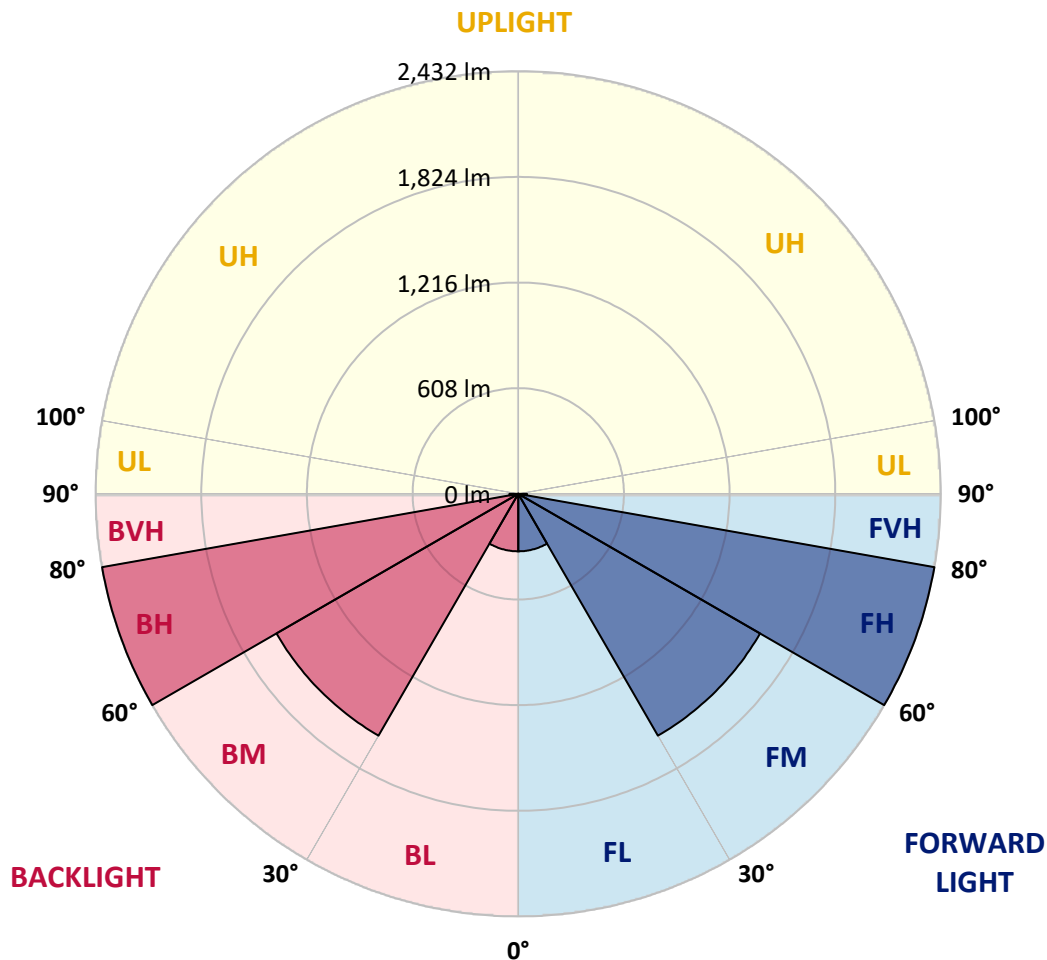
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.9	3.7			
FM (30°-60°)	1607.0	18.2			
FH (60°-80°)	2432.0	27.5			G2/5000
FVH (80°-90°)	50.5	0.6			G1/100
BL (0°-30°)	330.9	3.7	B1/500		
BM (30°-60°)	1607.0	18.2	B2/2500		
BH (60°-80°)	2432.0	27.5	B3/2500		G2/5000
BVH (80°-90°)	50.5	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°	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5
2.5°	801.4	803.7	802.8	801.0	801.0	799.6	801.0	801.9	803.3	804.2
5°	790.9	792.7	792.2	790.9	791.3	789.9	790.9	792.2	793.2	793.6
7.5°	781.7	783.5	782.6	780.3	780.3	778.9	779.4	780.7	782.1	782.6
10°	779.4	781.2	778.4	774.8	773.4	771.6	772.0	773.4	776.1	777.5
12.5°	780.3	781.7	778.9	773.4	772.0	770.2	770.2	771.6	775.2	777.1
15°	783.0	784.4	780.3	774.3	772.9	771.6	771.1	772.9	777.1	780.3
17.5°	788.1	789.5	783.0	774.8	772.9	773.4	772.9	774.3	780.7	786.7
20°	792.7	793.6	784.9	774.8	772.9	773.4	772.9	775.7	784.0	792.2
22.5°	794.1	795.0	786.7	778.0	776.6	777.1	776.6	779.4	787.2	795.4
25°	794.5	795.9	789.5	782.6	784.9	785.8	784.9	785.3	791.3	798.7
27.5°	801.4	803.3	797.3	791.3	792.7	792.2	793.6	795.0	799.6	806.9
30°	815.7	817.0	812.0	806.0	805.1	801.9	806.0	810.6	815.7	822.1
32.5°	839.1	841.9	835.4	829.0	824.9	823.0	826.2	834.0	840.9	847.8
35°	878.2	880.0	874.0	862.1	854.7	854.7	857.5	867.6	878.6	887.4
37.5°	933.3	935.6	925.0	910.8	899.8	899.8	903.4	914.0	930.6	943.0
40°	1000.4	1003.6	990.3	975.6	965.0	963.2	967.8	979.7	995.3	1011.0
42.5°	1081.3	1085.0	1067.5	1054.6	1046.4	1046.4	1048.7	1059.7	1073.9	1093.2
45°	1184.7	1191.1	1167.2	1154.3	1146.5	1148.4	1149.7	1159.4	1172.3	1194.3
47.5°	1307.8	1314.3	1289.0	1275.7	1274.3	1283.0	1277.5	1284.4	1291.3	1316.6
50°	1447.5	1458.6	1441.1	1440.2	1442.9	1459.0	1446.1	1449.8	1442.0	1458.1
52.5°	1618.5	1634.6	1631.3	1636.9	1667.6	1700.7	1671.3	1658.4	1629.0	1634.1
55°	1825.7	1850.1	1854.7	1887.8	1957.6	2025.2	1962.7	1910.7	1848.2	1836.7
57.5°	2061.5	2080.8	2102.8	2170.4	2300.9	2420.8	2300.9	2186.0	2087.7	2064.2
60°	2315.1	2339.0	2360.2	2459.9	2653.8	2822.4	2650.1	2467.7	2337.6	2305.9
62.5°	2587.6	2618.4	2633.1	2743.9	2969.9	3171.2	2973.2	2752.1	2607.8	2573.8
65°	2849.1	2874.4	2890.9	3009.0	3225.0	3426.7	3239.7	3021.9	2873.4	2828.9
67.5°	2970.9	2984.7	3025.1	3158.8	3386.7	3617.0	3425.3	3173.1	3007.2	2929.1
70°	2792.6	2764.5	2862.0	3076.1	3406.0	3733.7	3450.2	3069.7	2866.6	2739.7
72.5°	2158.0	2109.7	2278.8	2645.1	3185.5	3659.2	3207.5	2665.7	2384.0	2126.7
75°	1174.1	1119.4	1352.9	1816.1	2540.3	3171.7	2598.6	1868.0	1506.3	1165.4
77.5°	331.3	310.6	499.1	878.6	1527.9	2226.9	1586.8	897.9	591.9	351.1
80°	101.6	98.3	133.3	264.7	648.9	1066.6	623.6	267.9	169.6	107.1
82.5°	60.2	55.1	66.2	96.5	165.4	335.0	160.8	100.6	80.9	54.2
85°	34.5	32.2	39.1	46.9	55.6	71.2	46.4	47.8	43.2	29.0
87.5°	14.2	12.9	15.2	14.7	12.9	16.5	12.4	14.7	17.5	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
806.5
803.7
793.6
782.6
777.5
777.5
780.7
786.7
792.7
795.4
798.2
805.1
820.7
845.1
884.1
938.4
1005.9
1091.8
1193.4
1309.2
1448.4
1617.1
1818.8
2047.7
2278.4
2546.3
2806.8
2930.0
2770.1
2190.6
1241.2
390.1
113.0
58.8
30.3
10.6
0.0

OF REPORT)