

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: P845961

Luminaire Tested: **GLAN-SB1B-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845961
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-SB1B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5067 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

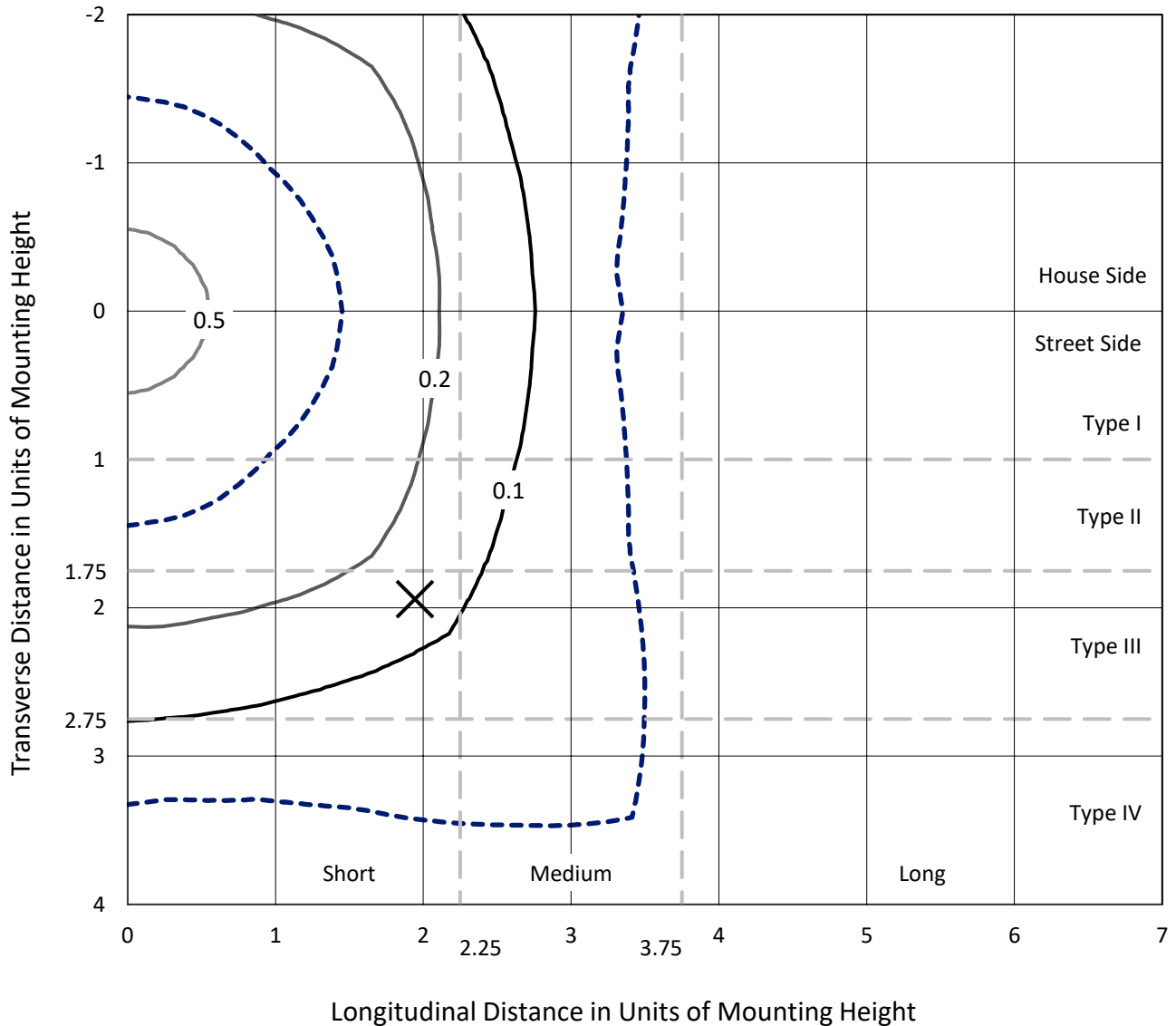
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

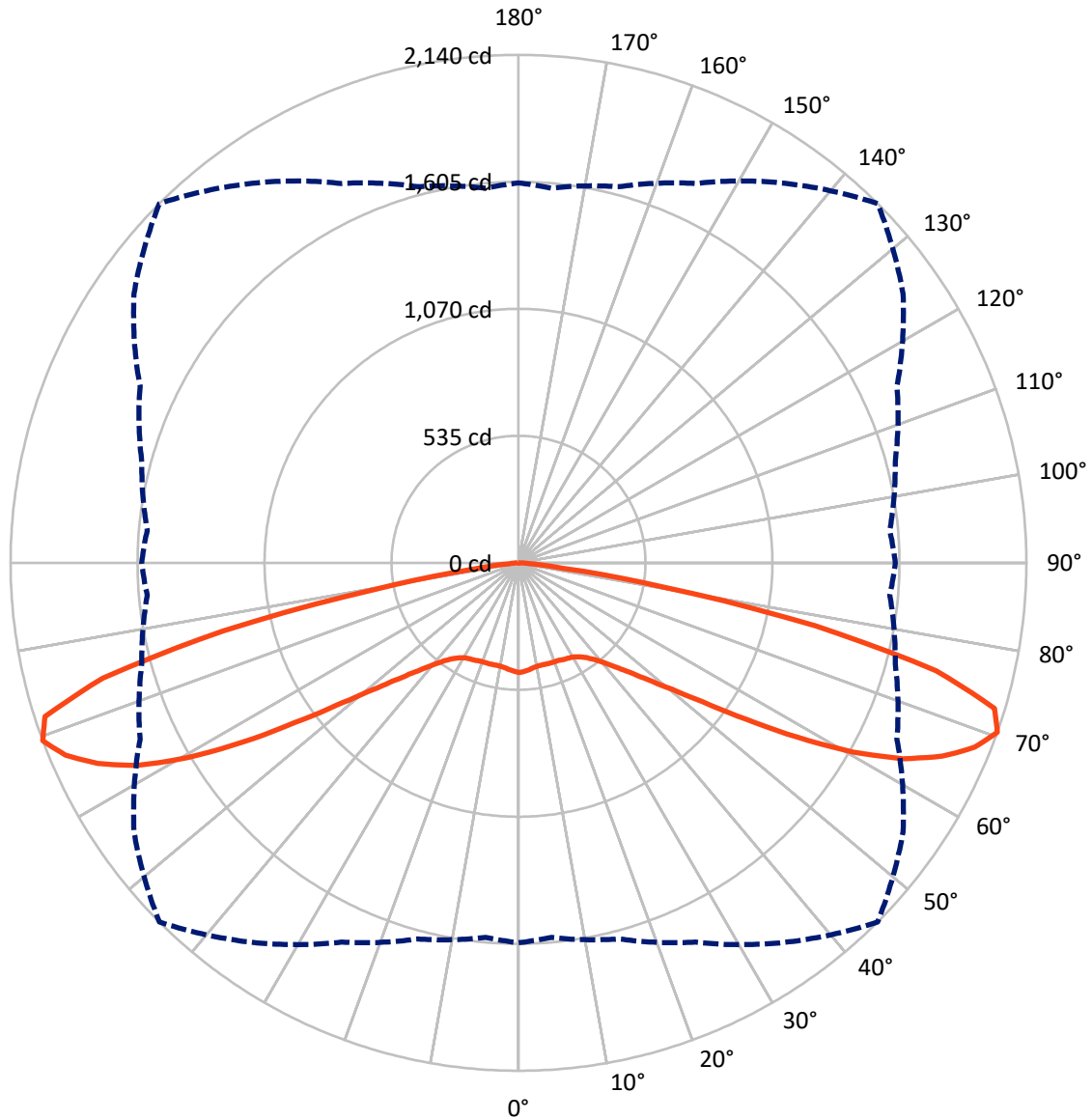
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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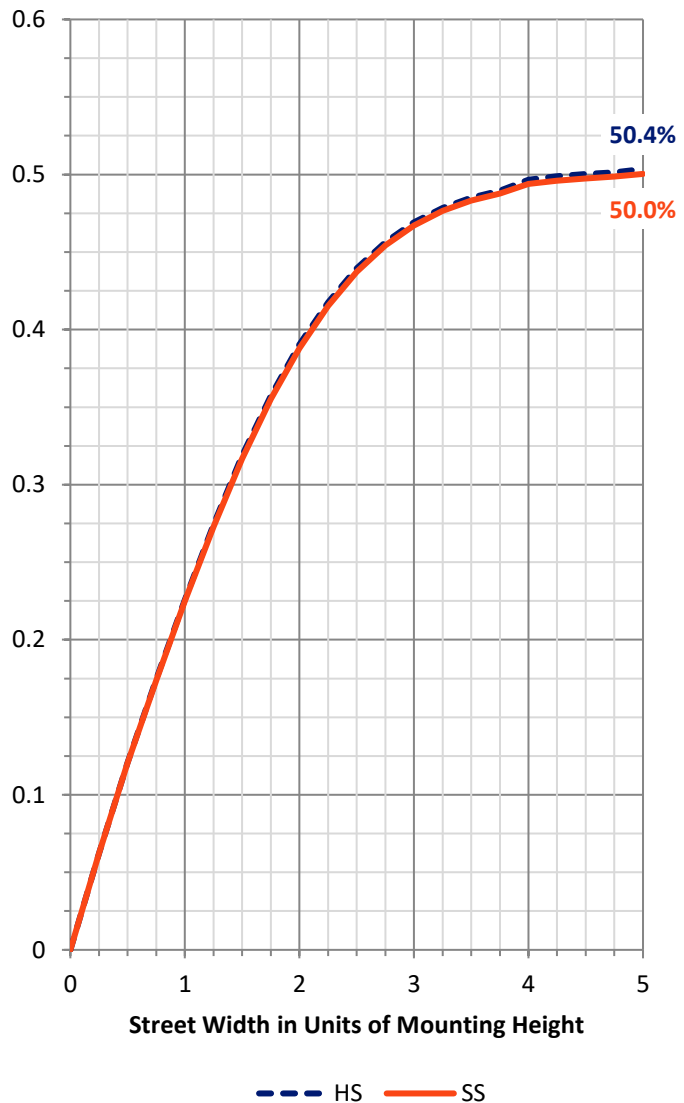
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2533.5	0.0	2533.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2533.5	0.0	2533.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5067.0	0.0	5067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	0.8
10°-20°	126.2	2.5
20°-30°	210.1	4.1
30°-40°	317.7	6.3
40°-50°	528.0	10.4
50°-60°	996.3	19.7
60°-70°	1682.3	33.2
70°-80°	1105.4	21.8
80°-90°	57.9	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°	5067.0	100.0
0°-180°	5067.0	100.0

Coefficient of Utilization



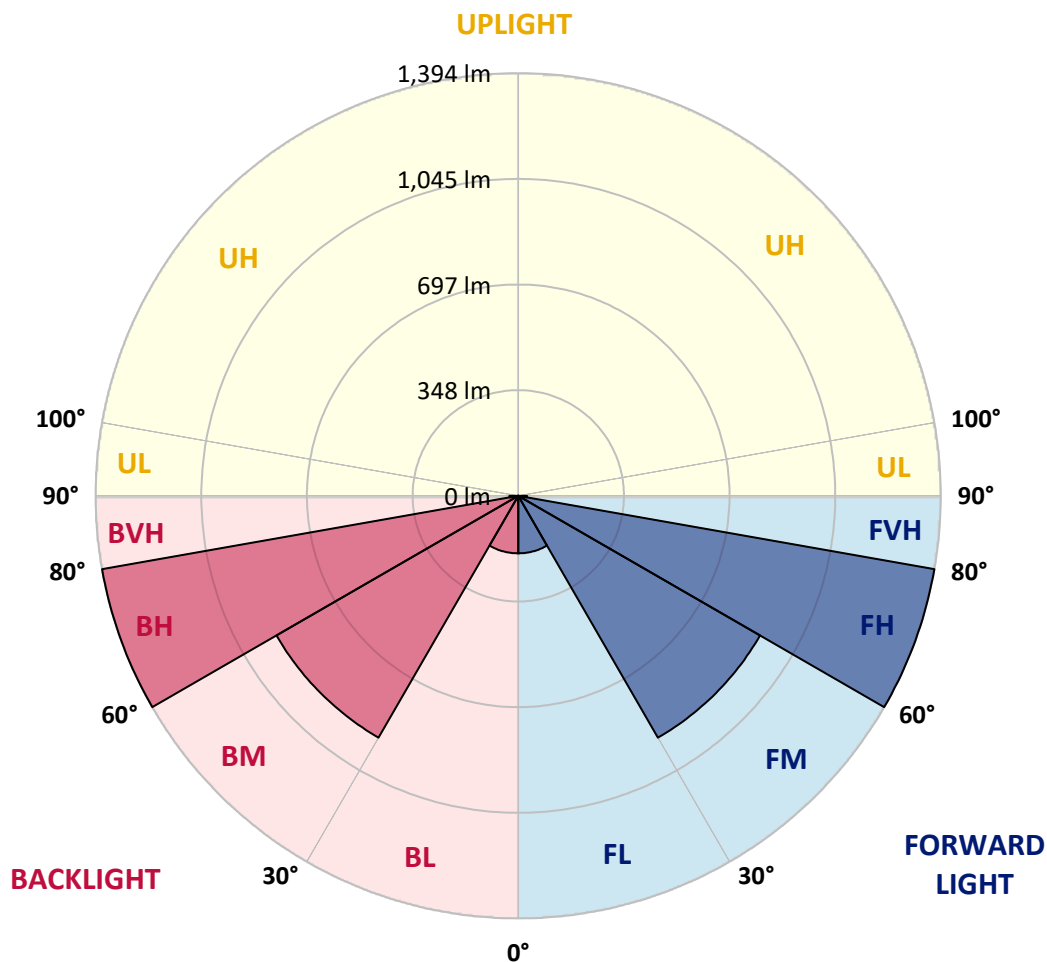
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.7	3.7			
FM (30°-60°)	921.0	18.2			
FH (60°-80°)	1393.9	27.5			G1/1800
FVH (80°-90°)	29.0	0.6			G1/100
BL (0°-30°)	189.7	3.7	B1/500		
BM (30°-60°)	921.0	18.2	B1/1000		
BH (60°-80°)	1393.9	27.5	B3/2500		G1/1800
BVH (80°-90°)	29.0	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	459.3	460.6	460.1	459.1	459.1	458.3	459.1	459.6	460.4	460.9
5°	453.3	454.3	454.0	453.3	453.5	452.7	453.3	454.0	454.6	454.8
7.5°	448.0	449.0	448.5	447.2	447.2	446.4	446.7	447.5	448.3	448.5
10°	446.7	447.7	446.1	444.0	443.2	442.2	442.5	443.2	444.8	445.6
12.5°	447.2	448.0	446.4	443.2	442.5	441.4	441.4	442.2	444.3	445.4
15°	448.8	449.6	447.2	443.8	443.0	442.2	441.9	443.0	445.4	447.2
17.5°	451.7	452.5	448.8	444.0	443.0	443.2	443.0	443.8	447.5	450.9
20°	454.3	454.8	449.8	444.0	443.0	443.2	443.0	444.6	449.3	454.0
22.5°	455.1	455.6	450.9	445.9	445.1	445.4	445.1	446.7	451.2	455.9
25°	455.4	456.2	452.5	448.5	449.8	450.4	449.8	450.1	453.5	457.7
27.5°	459.3	460.4	456.9	453.5	454.3	454.0	454.8	455.6	458.3	462.5
30°	467.5	468.3	465.4	461.9	461.4	459.6	461.9	464.6	467.5	471.2
32.5°	480.9	482.5	478.8	475.1	472.7	471.7	473.5	478.0	482.0	485.9
35°	503.3	504.4	500.9	494.1	489.9	489.9	491.4	497.2	503.6	508.6
37.5°	534.9	536.2	530.2	522.0	515.7	515.7	517.8	523.8	533.3	540.4
40°	573.4	575.2	567.6	559.1	553.1	552.0	554.7	561.5	570.5	579.4
42.5°	619.7	621.8	611.8	604.4	599.7	599.7	601.0	607.3	615.5	626.6
45°	679.0	682.7	669.0	661.6	657.1	658.2	658.9	664.5	671.9	684.5
47.5°	749.5	753.2	738.7	731.1	730.3	735.3	732.2	736.1	740.1	754.6
50°	829.6	835.9	825.9	825.4	827.0	836.2	828.8	830.9	826.5	835.7
52.5°	927.6	936.8	935.0	938.1	955.8	974.7	957.9	950.5	933.6	936.5
55°	1046.4	1060.3	1063.0	1081.9	1122.0	1160.7	1124.8	1095.1	1059.3	1052.7
57.5°	1181.5	1192.5	1205.2	1243.9	1318.7	1387.4	1318.7	1252.8	1196.5	1183.1
60°	1326.9	1340.5	1352.7	1409.8	1521.0	1617.6	1518.8	1414.3	1339.8	1321.6
62.5°	1483.0	1500.7	1509.1	1572.6	1702.2	1817.5	1704.0	1577.3	1494.6	1475.1
65°	1632.9	1647.4	1656.9	1724.5	1848.3	1963.9	1856.8	1731.9	1646.8	1621.3
67.5°	1702.7	1710.6	1733.8	1810.4	1941.0	2073.0	1963.2	1818.6	1723.5	1678.7
70°	1600.5	1584.4	1640.3	1763.0	1952.1	2139.9	1977.4	1759.3	1642.9	1570.2
72.5°	1236.8	1209.1	1306.0	1516.0	1825.7	2097.2	1838.3	1527.8	1366.4	1218.9
75°	672.9	641.6	775.4	1040.8	1455.9	1817.8	1489.4	1070.6	863.3	667.9
77.5°	189.9	178.0	286.0	503.6	875.7	1276.3	909.4	514.6	339.2	201.2
80°	58.2	56.4	76.4	151.7	371.9	611.3	357.4	153.5	97.2	61.4
82.5°	34.5	31.6	37.9	55.3	94.8	192.0	92.2	57.7	46.4	31.1
85°	19.8	18.4	22.4	26.9	31.9	40.8	26.6	27.4	24.8	16.6
87.5°	8.2	7.4	8.7	8.4	7.4	9.5	7.1	8.4	10.0	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
462.2
460.6
454.8
448.5
445.6
445.6
447.5
450.9
454.3
455.9
457.5
461.4
470.4
484.3
506.7
537.8
576.5
625.8
684.0
750.3
830.1
926.8
1042.4
1173.6
1305.8
1459.3
1608.7
1679.2
1587.6
1255.5
711.4
223.6
64.8
33.7
17.4
6.1
0.0

OF REPORT)