

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: P845881

Luminaire Tested: **GLAN-SB1B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845881
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5504 lumens
Efficiency: N/A
Efficacy: 138.3 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

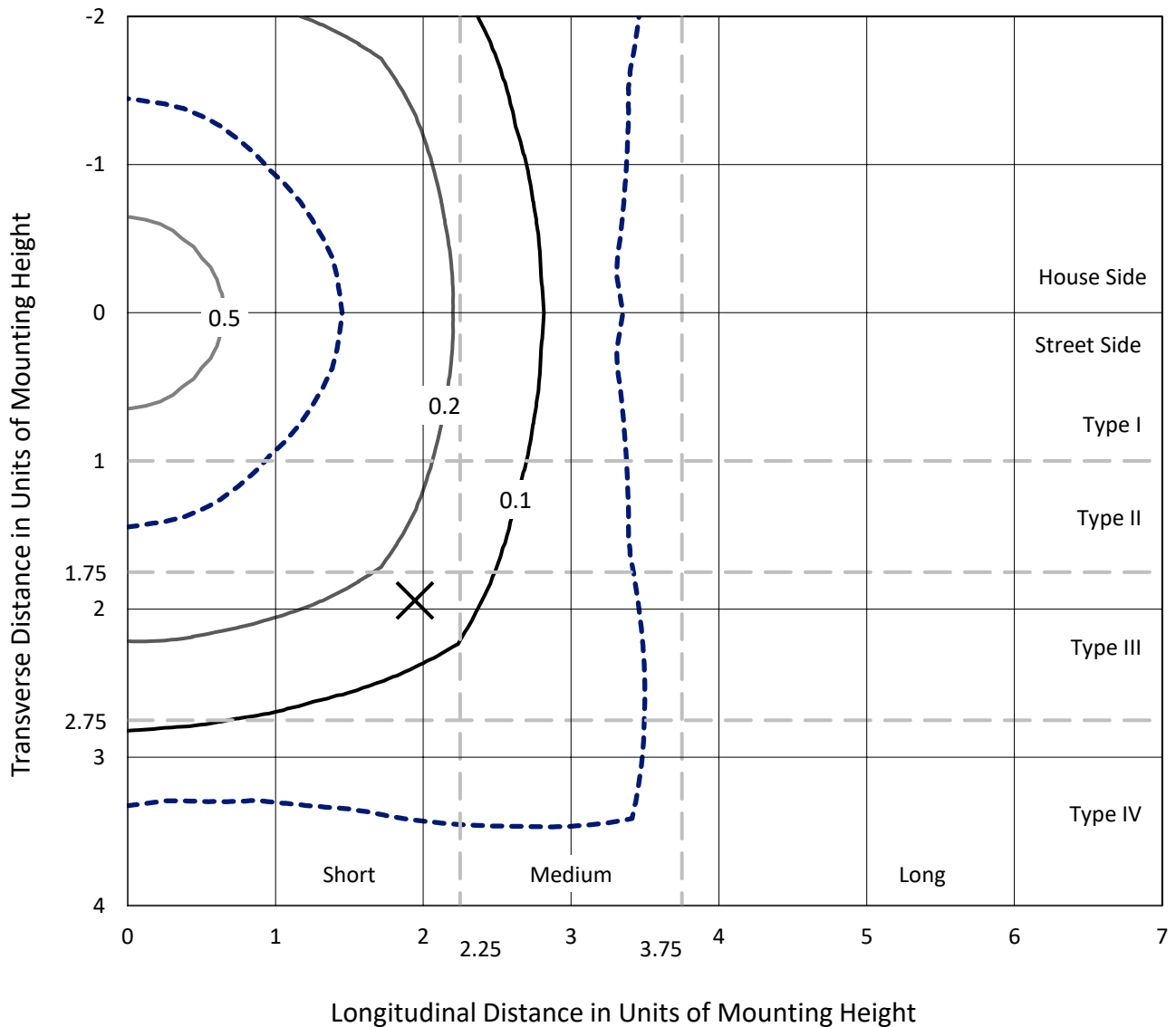
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

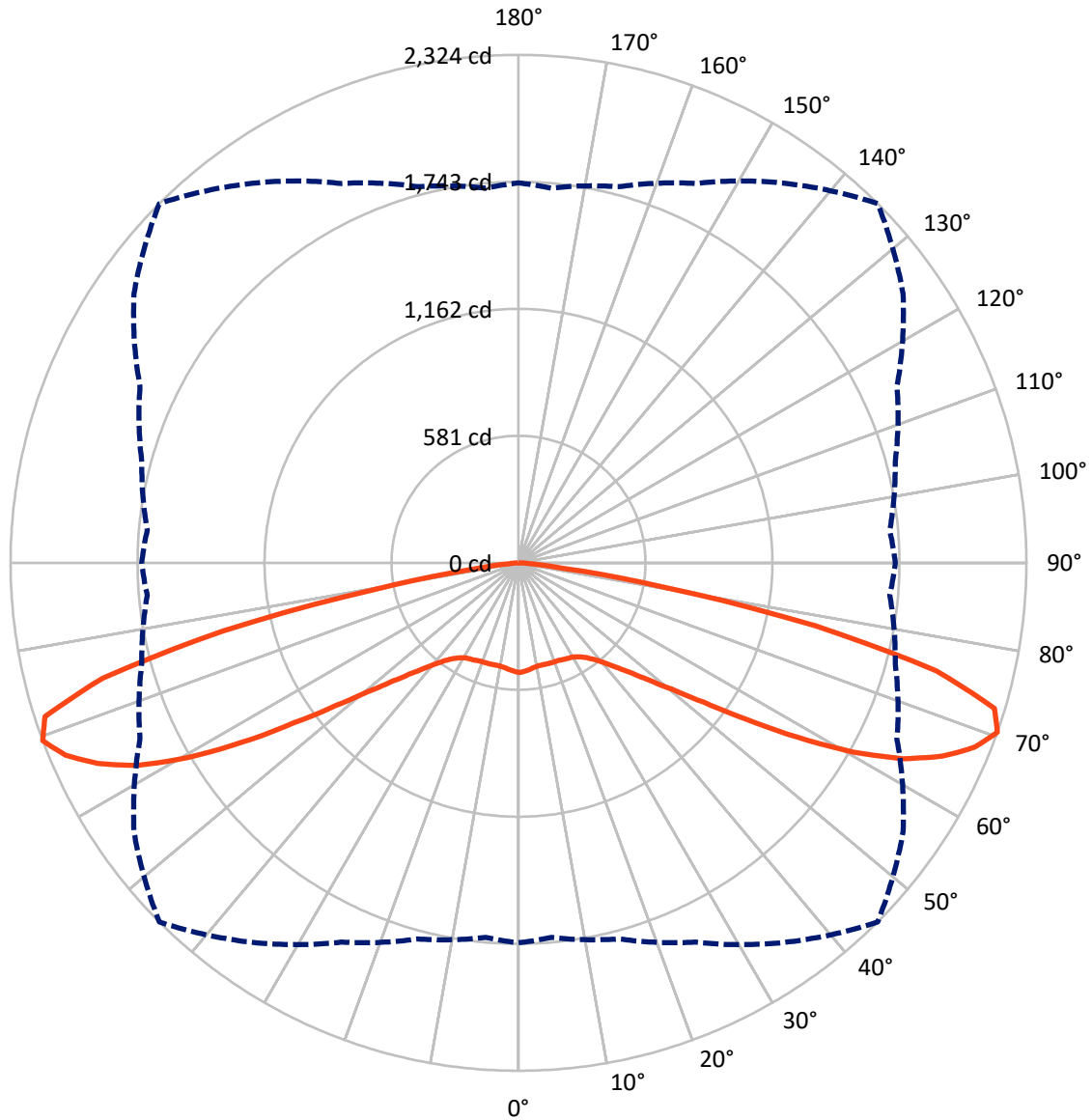
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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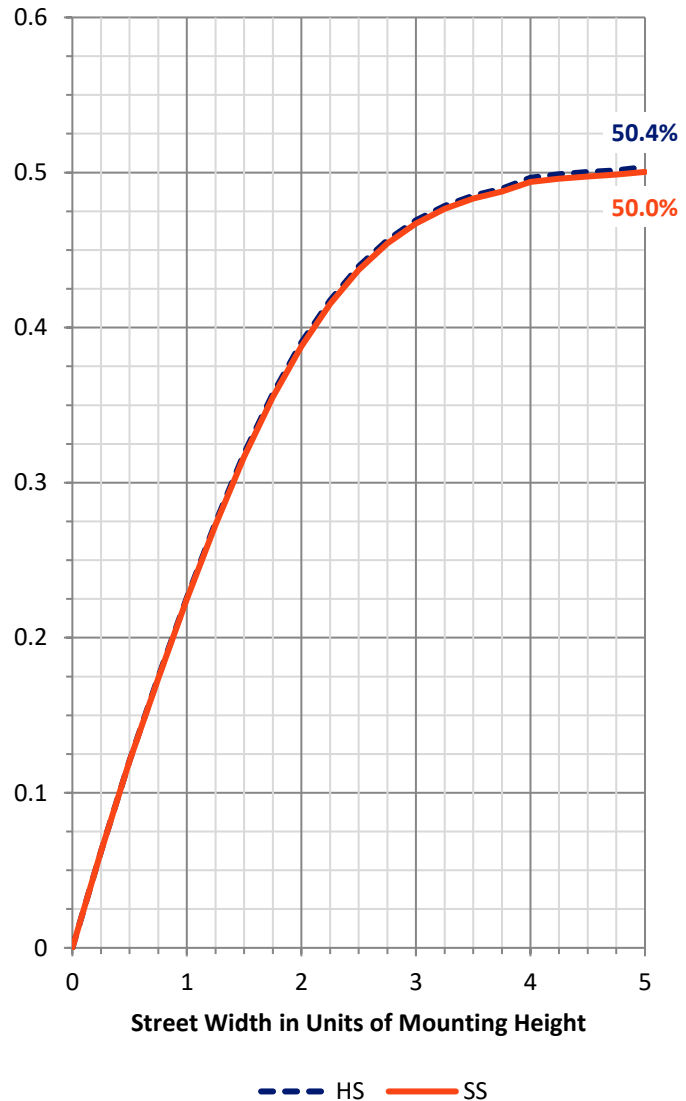
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2752.0	0.0	2752.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2752.0	0.0	2752.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5504.0	0.0	5504.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	0.8
10°-20°	137.1	2.5
20°-30°	228.2	4.1
30°-40°	345.1	6.3
40°-50°	573.5	10.4
50°-60°	1082.2	19.7
60°-70°	1827.4	33.2
70°-80°	1200.8	21.8
80°-90°	62.9	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°	5504.0	100.0
0°-180°	5504.0	100.0

Coefficient of Utilization



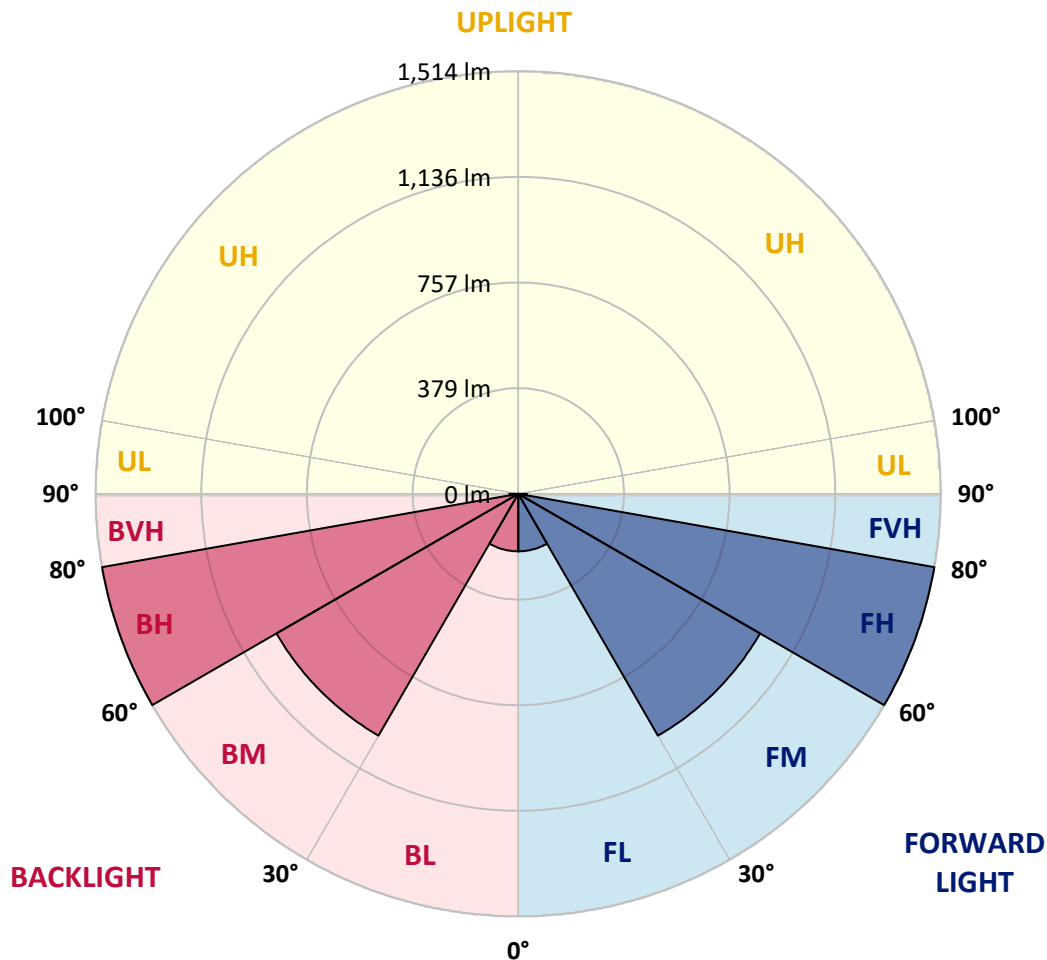
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.0	3.7			
FM (30°-60°)	1000.4	18.2			
FH (60°-80°)	1514.1	27.5			G1/1800
FVH (80°-90°)	31.5	0.6			G1/100
BL (0°-30°)	206.0	3.7	B1/500		
BM (30°-60°)	1000.4	18.2	B2/2500		
BH (60°-80°)	1514.1	27.5	B3/2500		G1/1800
BVH (80°-90°)	31.5	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	502.1	502.1	502.1	502.1	502.1	502.1	502.1	502.1	502.1	502.1
2.5°	498.9	500.4	499.8	498.6	498.6	497.8	498.6	499.2	500.1	500.6
5°	492.3	493.5	493.2	492.3	492.6	491.8	492.3	493.2	493.8	494.1
7.5°	486.6	487.8	487.2	485.8	485.8	484.9	485.2	486.1	486.9	487.2
10°	485.2	486.3	484.6	482.3	481.5	480.3	480.6	481.5	483.2	484.1
12.5°	485.8	486.6	484.9	481.5	480.6	479.5	479.5	480.3	482.6	483.8
15°	487.5	488.3	485.8	482.0	481.2	480.3	480.0	481.2	483.8	485.8
17.5°	490.6	491.5	487.5	482.3	481.2	481.5	481.2	482.0	486.1	489.8
20°	493.5	494.1	488.6	482.3	481.2	481.5	481.2	482.9	488.1	493.2
22.5°	494.4	494.9	489.8	484.3	483.5	483.8	483.5	485.2	490.1	495.2
25°	494.6	495.5	491.5	487.2	488.6	489.2	488.6	488.9	492.6	497.2
27.5°	498.9	500.1	496.4	492.6	493.5	493.2	494.1	494.9	497.8	502.4
30°	507.8	508.7	505.5	501.8	501.2	499.2	501.8	504.7	507.8	511.8
32.5°	522.4	524.1	520.1	516.1	513.5	512.4	514.4	519.2	523.5	527.8
35°	546.7	547.8	544.1	536.7	532.1	532.1	533.8	540.1	547.0	552.4
37.5°	581.0	582.5	575.9	567.0	560.2	560.2	562.4	569.0	579.3	587.0
40°	622.8	624.8	616.5	607.4	600.8	599.6	602.5	609.9	619.7	629.4
42.5°	673.2	675.4	664.6	656.6	651.4	651.4	652.8	659.7	668.6	680.6
45°	737.5	741.5	726.7	718.6	713.8	714.9	715.8	721.8	729.8	743.5
47.5°	814.2	818.2	802.5	794.2	793.3	798.7	795.3	799.6	803.9	819.6
50°	901.2	908.0	897.2	896.6	898.3	908.3	900.3	902.6	897.7	907.7
52.5°	1007.6	1017.6	1015.6	1019.0	1038.2	1058.8	1040.5	1032.5	1014.2	1017.3
55°	1136.6	1151.8	1154.6	1175.2	1218.7	1260.8	1221.9	1189.5	1150.6	1143.5
57.5°	1283.4	1295.4	1309.1	1351.2	1432.4	1507.1	1432.4	1360.9	1299.7	1285.1
60°	1441.3	1456.2	1469.3	1531.4	1652.1	1757.1	1649.8	1536.3	1455.3	1435.6
62.5°	1610.9	1630.1	1639.3	1708.2	1849.0	1974.3	1851.0	1713.4	1623.5	1602.4
65°	1773.7	1789.4	1799.7	1873.3	2007.7	2133.3	2016.9	1881.3	1788.9	1761.1
67.5°	1849.5	1858.1	1883.3	1966.5	2108.4	2251.8	2132.5	1975.4	1872.1	1823.5
70°	1738.5	1721.1	1781.7	1915.0	2120.4	2324.4	2147.9	1911.0	1784.6	1705.6
72.5°	1343.4	1313.4	1418.7	1646.7	1983.1	2278.1	1996.9	1659.6	1484.2	1324.0
75°	730.9	696.9	842.2	1130.6	1581.5	1974.5	1617.8	1162.9	937.8	725.5
77.5°	206.3	193.4	310.7	547.0	951.2	1386.4	987.8	559.0	368.5	218.6
80°	63.2	61.2	83.0	164.8	403.9	664.0	388.2	166.8	105.6	66.7
82.5°	37.5	34.3	41.2	60.1	103.0	208.6	100.1	62.7	50.4	33.8
85°	21.5	20.0	24.3	29.2	34.6	44.3	28.9	29.8	26.9	18.0
87.5°	8.9	8.0	9.4	9.2	8.0	10.3	7.7	9.2	10.9	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
502.1
500.4
494.1
487.2
484.1
484.1
486.1
489.8
493.5
495.2
496.9
501.2
510.9
526.1
550.4
584.2
626.2
679.7
743.0
815.1
901.7
1006.7
1132.3
1274.8
1418.4
1585.2
1747.4
1824.1
1724.5
1363.8
772.7
242.9
70.4
36.6
18.9
6.6
0.0

OF REPORT)