

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: P846881

Luminaire Tested: **GLAN-SB2D-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846881  
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-SB2D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16097 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

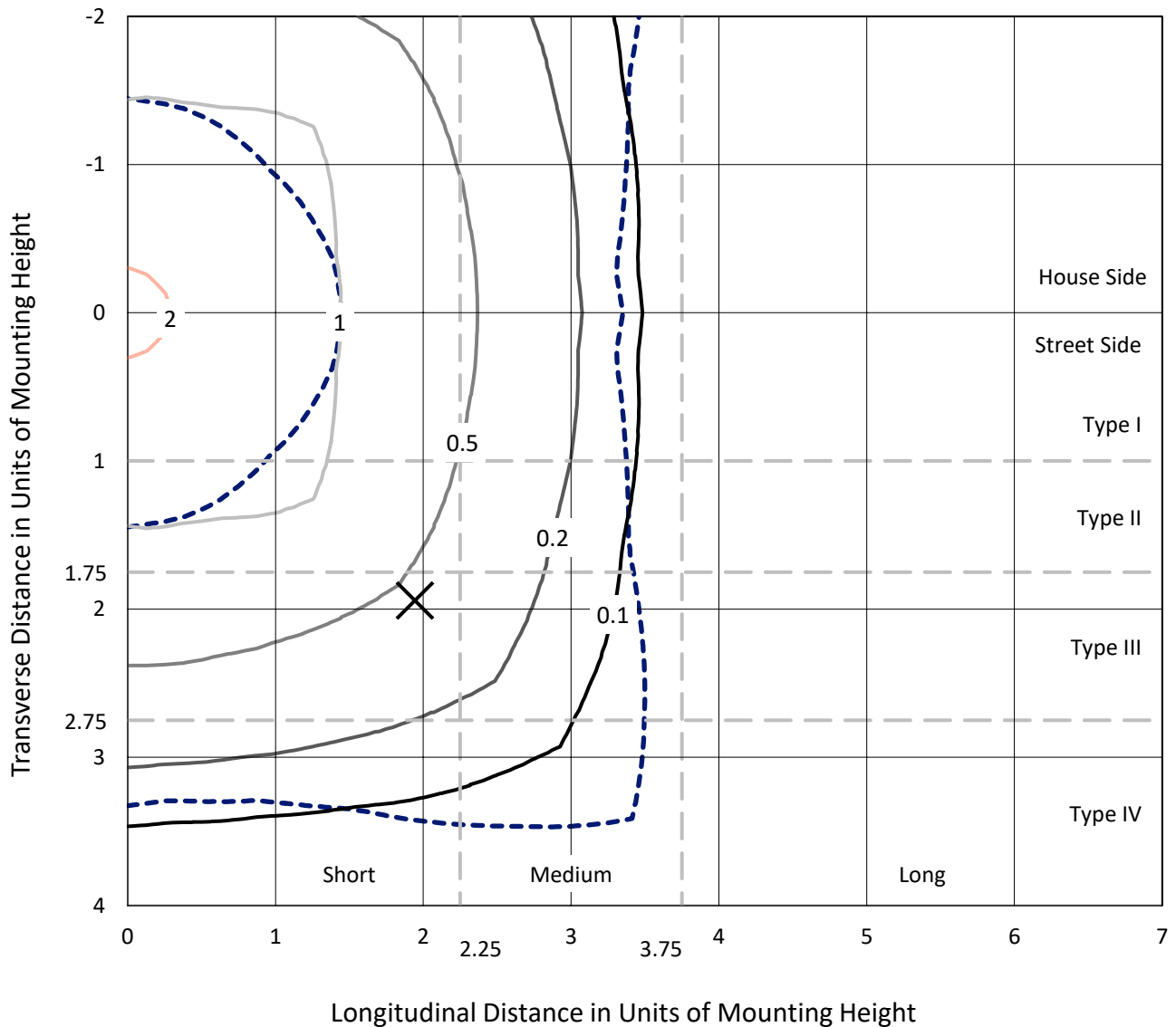
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

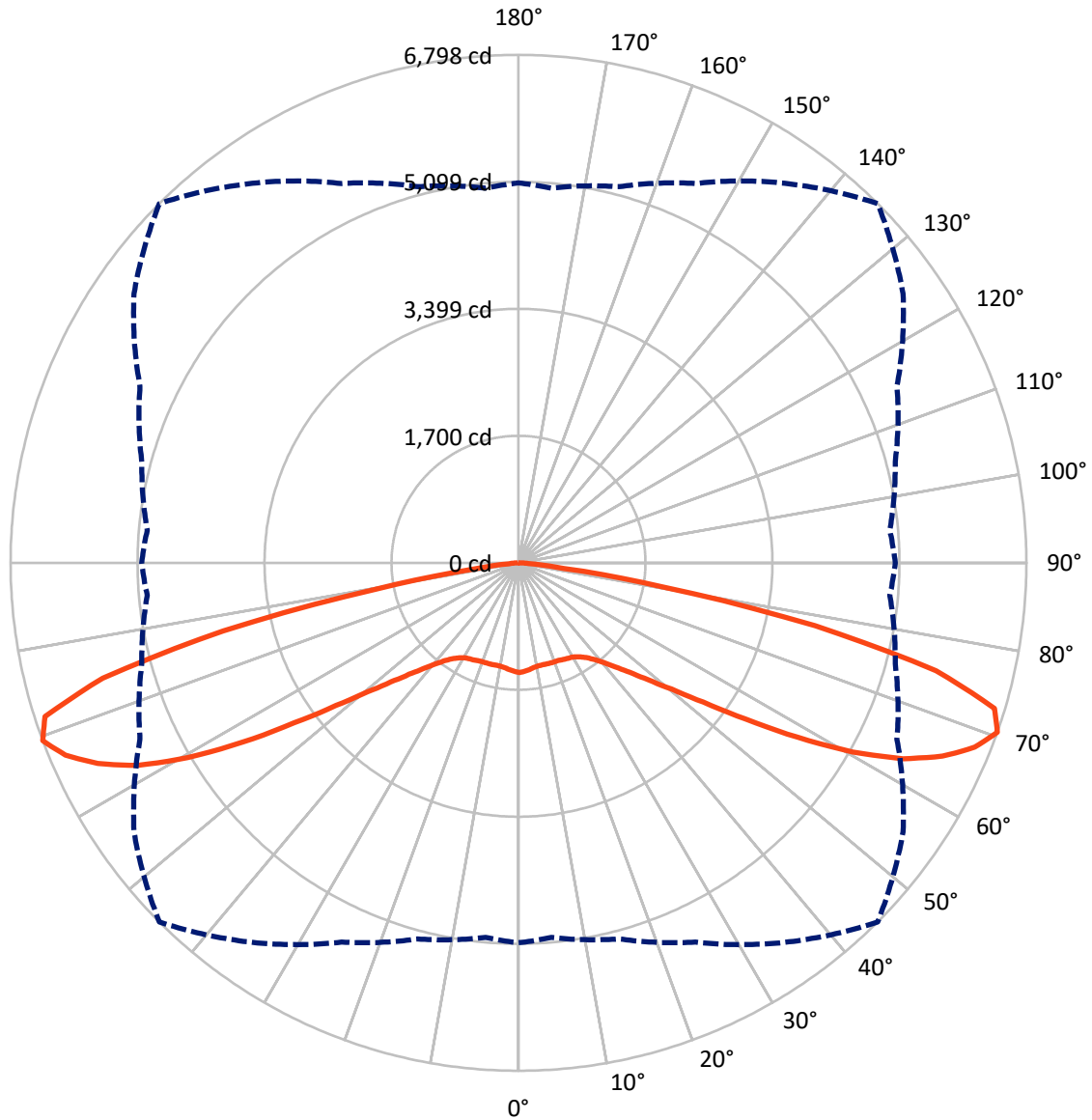
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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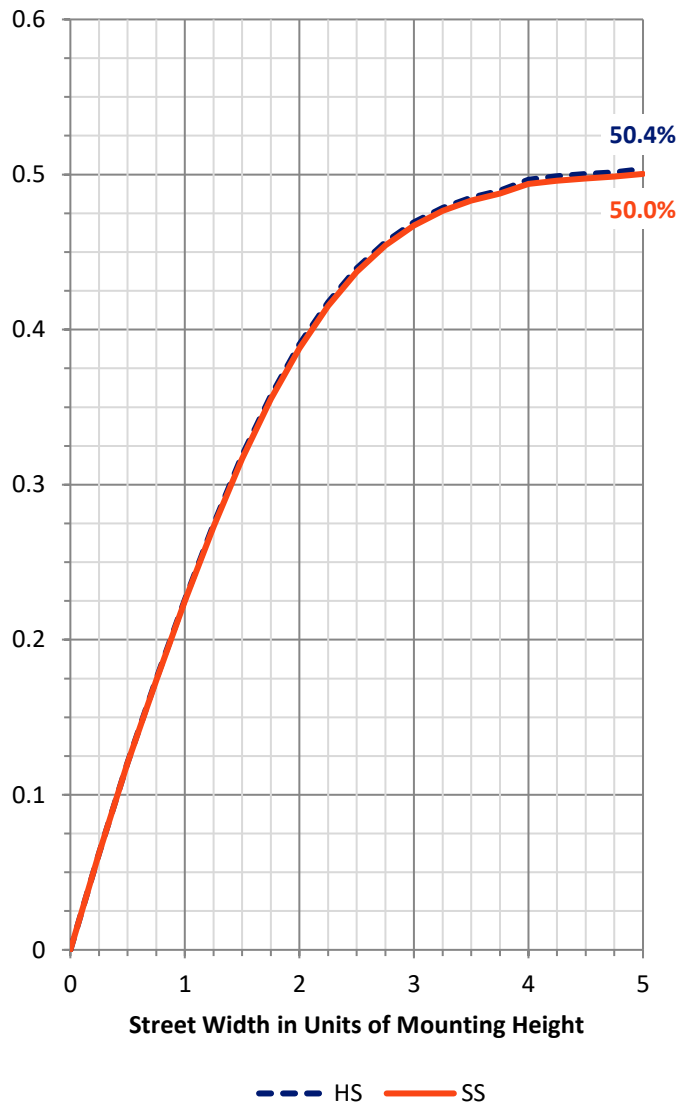
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8048.5	0.0	8048.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8048.5	0.0	8048.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16097.0	0.0	16097.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.6	0.8
10°-20°	401.1	2.5
20°-30°	667.4	4.1
30°-40°	1009.4	6.3
40°-50°	1677.3	10.4
50°-60°	3165.1	19.7
60°-70°	5344.3	33.2
70°-80°	3511.8	21.8
80°-90°	184.0	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°	16097.0	100.0
0°-180°	16097.0	100.0

**Coefficient of Utilization**



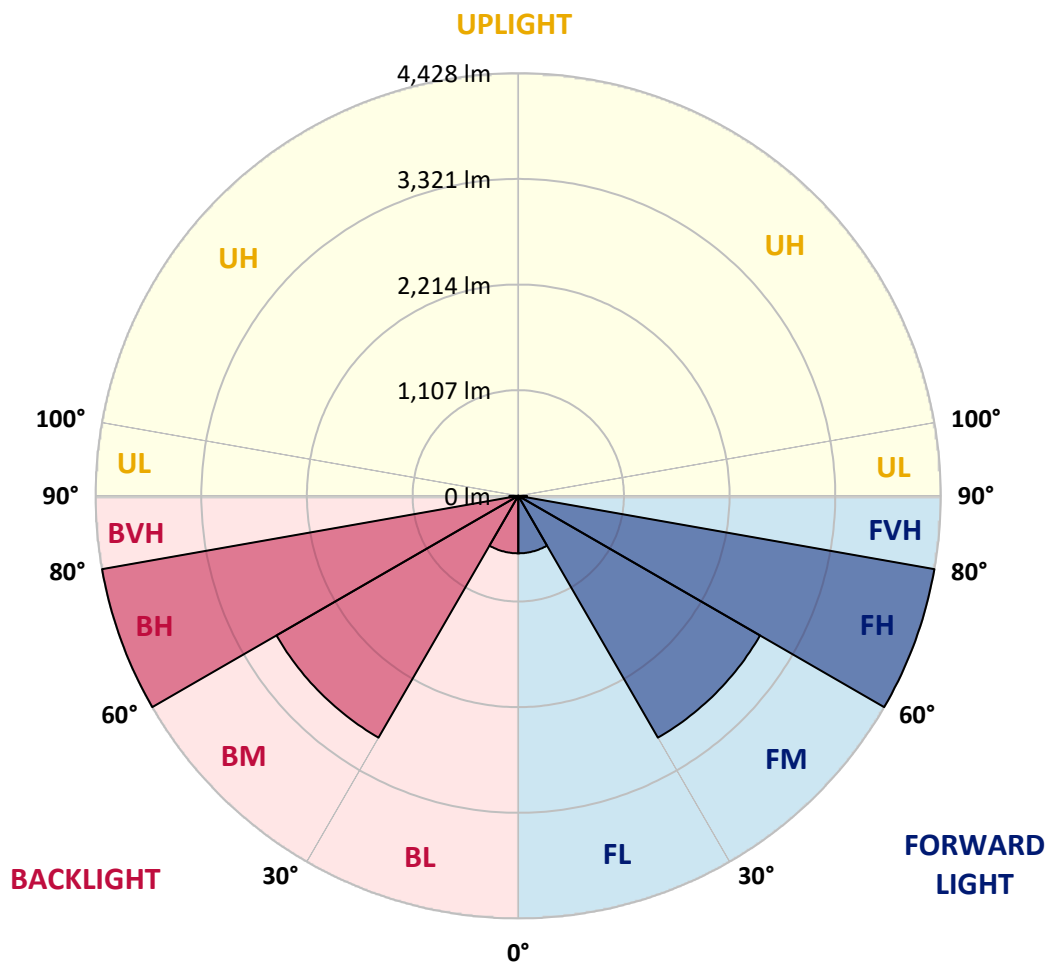
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.6	3.7			
FM (30°-60°)	2925.9	18.2			
FH (60°-80°)	4428.1	27.5			G2/5000
FVH (80°-90°)	92.0	0.6			G1/100
BL (0°-30°)	602.6	3.7	B2/1000		
BM (30°-60°)	2925.9	18.2	B3/5000		
BH (60°-80°)	4428.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	92.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4	1468.4
2.5°	1459.2	1463.4	1461.7	1458.3	1458.3	1455.8	1458.3	1460.0	1462.5	1464.2
5°	1439.9	1443.3	1442.4	1439.9	1440.8	1438.3	1439.9	1442.4	1444.1	1444.9
7.5°	1423.2	1426.5	1424.9	1420.7	1420.7	1418.2	1419.0	1421.5	1424.0	1424.9
10°	1419.0	1422.4	1417.3	1410.6	1408.1	1404.8	1405.6	1408.1	1413.1	1415.7
12.5°	1420.7	1423.2	1418.2	1408.1	1405.6	1402.3	1402.3	1404.8	1411.5	1414.8
15°	1425.7	1428.2	1420.7	1409.8	1407.3	1404.8	1403.9	1407.3	1414.8	1420.7
17.5°	1434.9	1437.4	1425.7	1410.6	1407.3	1408.1	1407.3	1409.8	1421.5	1432.4
20°	1443.3	1444.9	1429.0	1410.6	1407.3	1408.1	1407.3	1412.3	1427.4	1442.4
22.5°	1445.8	1447.5	1432.4	1416.5	1414.0	1414.8	1414.0	1419.0	1433.2	1448.3
25°	1446.6	1449.1	1437.4	1424.9	1429.0	1430.7	1429.0	1429.9	1440.8	1454.1
27.5°	1459.2	1462.5	1451.6	1440.8	1443.3	1442.4	1444.9	1447.5	1455.8	1469.2
30°	1485.1	1487.6	1478.4	1467.5	1465.9	1460.0	1467.5	1475.9	1485.1	1496.8
32.5°	1527.8	1532.8	1521.1	1509.4	1501.8	1498.5	1504.3	1518.6	1531.1	1543.7
35°	1598.9	1602.2	1591.4	1569.6	1556.2	1556.2	1561.2	1579.6	1599.7	1615.6
37.5°	1699.3	1703.5	1684.2	1658.3	1638.2	1638.2	1644.9	1664.2	1694.3	1716.9
40°	1821.4	1827.3	1803.0	1776.3	1757.0	1753.7	1762.0	1783.8	1812.2	1840.7
42.5°	1968.7	1975.4	1943.6	1920.2	1905.1	1905.1	1909.3	1929.4	1955.3	1990.5
45°	2157.0	2168.7	2125.2	2101.7	2087.5	2090.9	2093.4	2110.9	2134.4	2174.5
47.5°	2381.2	2392.9	2346.9	2322.6	2320.1	2336.0	2326.0	2338.5	2351.1	2397.1
50°	2635.5	2655.6	2623.8	2622.1	2627.2	2656.5	2633.0	2639.7	2625.5	2654.8
52.5°	2946.8	2976.1	2970.2	2980.2	3036.3	3096.5	3043.0	3019.6	2966.0	2975.2
55°	3324.1	3368.5	3376.8	3437.1	3564.2	3687.2	3573.5	3478.9	3365.1	3344.2
57.5°	3753.3	3788.5	3828.6	3951.6	4189.2	4407.6	4189.2	3980.1	3801.0	3758.4
60°	4215.2	4258.7	4297.2	4478.7	4831.8	5138.9	4825.1	4493.0	4256.2	4198.5
62.5°	4711.3	4767.4	4794.2	4995.8	5407.5	5773.9	5413.3	5010.9	4748.1	4686.2
65°	5187.4	5233.4	5263.5	5478.6	5871.8	6239.1	5898.6	5502.0	5231.7	5150.6
67.5°	5409.1	5434.2	5507.9	5751.3	6166.3	6585.5	6236.6	5777.3	5475.2	5333.0
70°	5084.5	5033.5	5210.8	5600.7	6201.5	6798.0	6281.8	5589.0	5219.2	4988.3
72.5°	3929.0	3841.2	4149.1	4815.9	5799.9	6662.5	5840.0	4853.6	4340.7	3872.1
75°	2137.7	2038.1	2463.2	3306.6	4625.2	5774.8	4731.4	3401.1	2742.6	2121.8
77.5°	603.2	565.6	908.6	1599.7	2782.0	4054.5	2889.1	1634.9	1077.6	639.2
80°	184.9	179.0	242.6	481.9	1181.4	1941.9	1135.4	487.8	308.7	194.9
82.5°	109.6	100.4	120.5	175.7	301.2	609.9	292.8	183.2	147.3	98.7
85°	62.8	58.6	71.1	85.3	101.2	129.7	84.5	87.0	78.6	52.7
87.5°	25.9	23.4	27.6	26.8	23.4	30.1	22.6	26.8	31.8	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1468.4
1463.4
1444.9
1424.9
1415.7
1415.7
1421.5
1432.4
1443.3
1448.3
1453.3
1465.9
1494.3
1538.7
1609.8
1708.5
1831.5
1987.9
2172.9
2383.7
2637.2
2944.3
3311.6
3728.2
4148.3
4636.0
5110.4
5334.7
5043.5
3988.4
2259.9
710.3
205.8
107.1
55.2
19.2
0.0

OF REPORT)