

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: P846971

Luminaire Tested: **GLAN-SB2D-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846971  
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-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17043 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

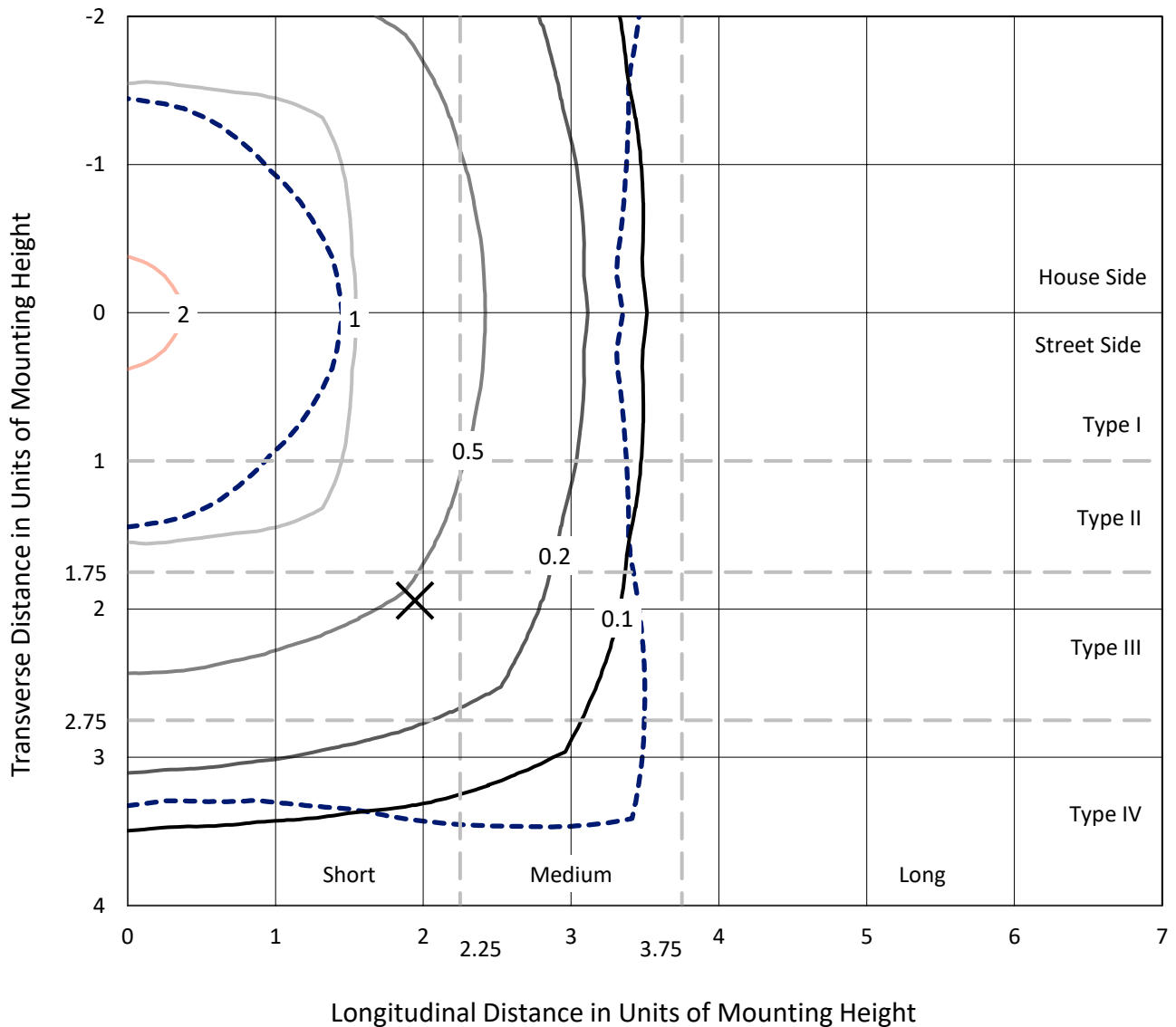
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

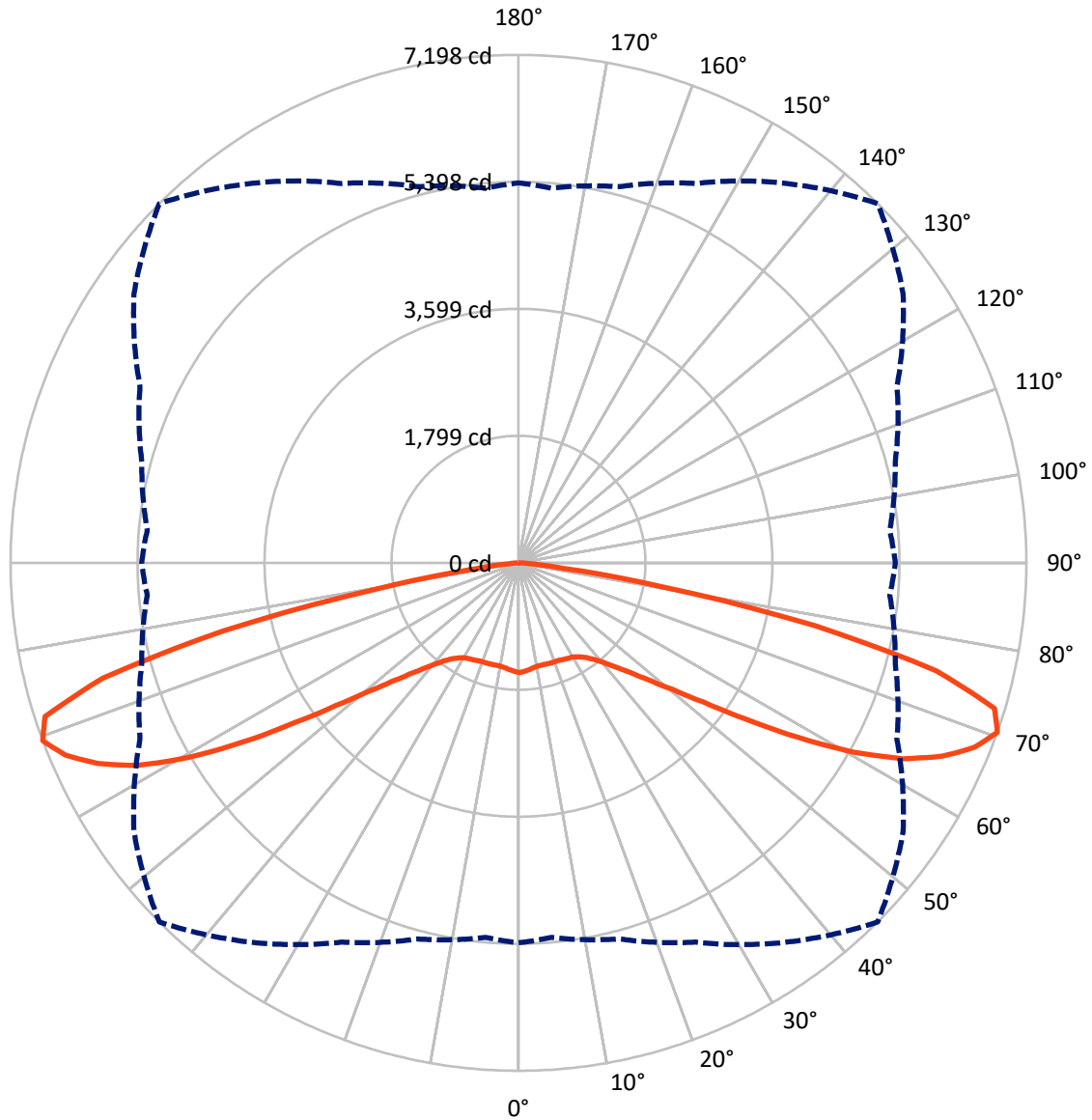
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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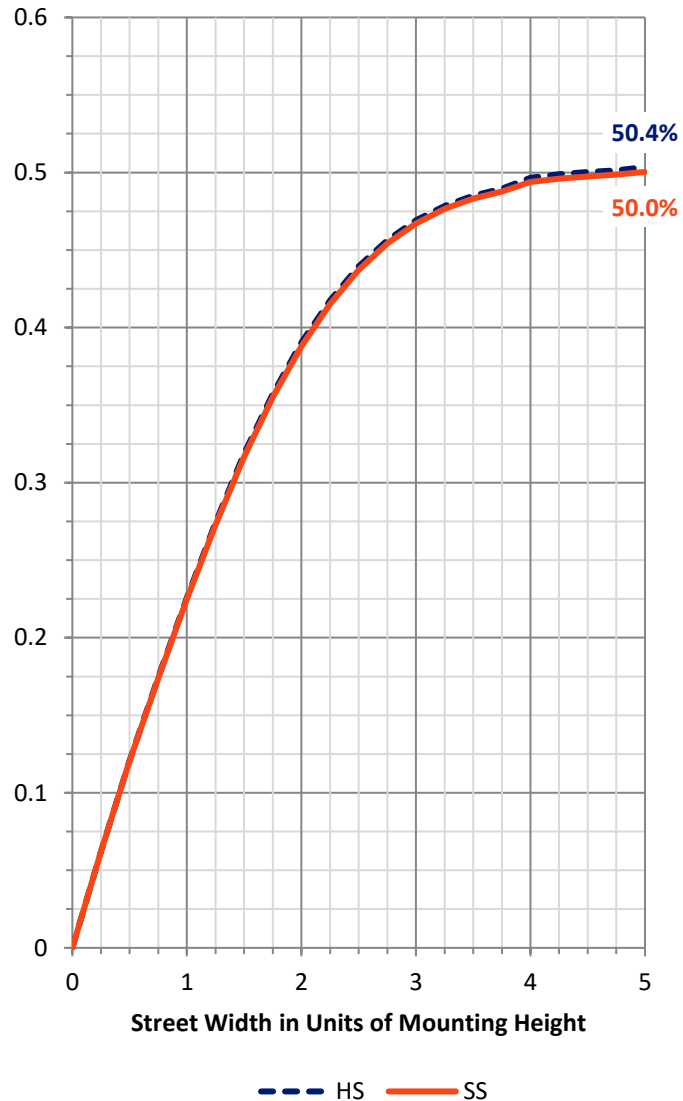
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8521.5	0.0	8521.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8521.5	0.0	8521.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17043.0	0.0	17043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.6	0.8
10°-20°	424.6	2.5
20°-30°	706.7	4.1
30°-40°	1068.7	6.3
40°-50°	1775.9	10.4
50°-60°	3351.1	19.7
60°-70°	5658.4	33.2
70°-80°	3718.2	21.8
80°-90°	194.8	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°	17043.0	100.0
0°-180°	17043.0	100.0

**Coefficient of Utilization**



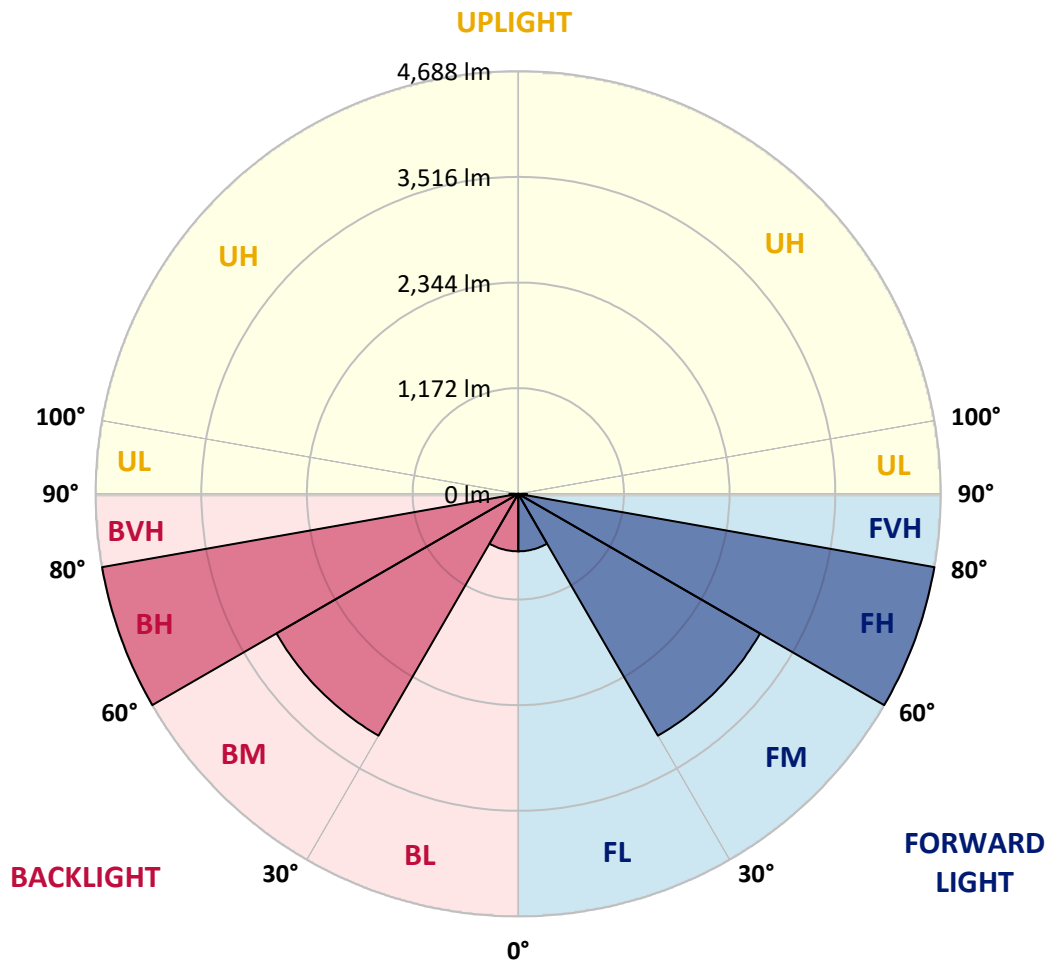
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	638.0	3.7			
FM	(30°-60°)	3097.8	18.2			
FH	(60°-80°)	4688.3	27.5			G2/5000
FVH	(80°-90°)	97.4	0.6			G1/100
BL	(0°-30°)	638.0	3.7	B2/1000		
BM	(30°-60°)	3097.8	18.2	B3/5000		
BH	(60°-80°)	4688.3	27.5	B4/5000		G2/5000
BVH	(80°-90°)	97.4	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°	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7	1554.7
2.5°	1544.9	1549.3	1547.6	1544.0	1544.0	1541.4	1544.0	1545.8	1548.5	1550.2
5°	1524.5	1528.1	1527.2	1524.5	1525.4	1522.8	1524.5	1527.2	1529.0	1529.9
7.5°	1506.8	1510.4	1508.6	1504.2	1504.2	1501.5	1502.4	1505.1	1507.7	1508.6
10°	1502.4	1505.9	1500.6	1493.5	1490.9	1487.3	1488.2	1490.9	1496.2	1498.9
12.5°	1504.2	1506.8	1501.5	1490.9	1488.2	1484.7	1484.7	1487.3	1494.4	1498.0
15°	1509.5	1512.1	1504.2	1492.7	1490.0	1487.3	1486.5	1490.0	1498.0	1504.2
17.5°	1519.2	1521.9	1509.5	1493.5	1490.0	1490.9	1490.0	1492.7	1505.1	1516.6
20°	1528.1	1529.9	1513.0	1493.5	1490.0	1490.9	1490.0	1495.3	1511.3	1527.2
22.5°	1530.7	1532.5	1516.6	1499.7	1497.1	1498.0	1497.1	1502.4	1517.5	1533.4
25°	1531.6	1534.3	1521.9	1508.6	1513.0	1514.8	1513.0	1513.9	1525.4	1539.6
27.5°	1544.9	1548.5	1536.9	1525.4	1528.1	1527.2	1529.9	1532.5	1541.4	1555.6
30°	1572.4	1575.0	1565.3	1553.8	1552.0	1545.8	1553.8	1562.6	1572.4	1584.8
32.5°	1617.6	1622.9	1610.5	1598.1	1590.1	1586.6	1592.8	1607.8	1621.1	1634.4
35°	1692.9	1696.4	1684.9	1661.9	1647.7	1647.7	1653.0	1672.5	1693.7	1710.6
37.5°	1799.2	1803.6	1783.2	1755.8	1734.5	1734.5	1741.6	1762.0	1793.8	1817.8
40°	1928.5	1934.7	1909.0	1880.7	1860.3	1856.7	1865.6	1888.6	1918.7	1948.9
42.5°	2084.4	2091.5	2057.8	2033.0	2017.1	2017.1	2021.5	2042.8	2070.2	2107.4
45°	2283.7	2296.1	2250.1	2225.3	2210.2	2213.7	2216.4	2235.0	2259.8	2302.3
47.5°	2521.1	2533.5	2484.8	2459.1	2456.5	2473.3	2462.7	2475.9	2489.2	2538.0
50°	2790.4	2811.7	2778.0	2776.3	2781.6	2812.6	2787.8	2794.9	2779.8	2810.8
52.5°	3120.0	3151.0	3144.8	3155.4	3214.7	3278.5	3221.8	3197.0	3140.3	3150.1
55°	3519.5	3566.4	3575.3	3639.1	3773.7	3903.9	3783.5	3683.4	3562.9	3540.7
57.5°	3973.9	4011.1	4053.6	4183.9	4435.4	4666.7	4435.4	4214.0	4024.4	3979.2
60°	4462.9	4509.0	4549.7	4741.9	5115.8	5440.9	5108.7	4757.0	4506.3	4445.2
62.5°	4988.2	5047.6	5075.9	5289.4	5725.2	6113.2	5731.4	5305.3	5027.2	4961.6
65°	5492.3	5541.0	5572.9	5800.5	6216.9	6605.8	6245.2	5825.3	5539.2	5453.3
67.5°	5727.0	5753.6	5831.5	6089.3	6528.7	6972.5	6603.1	6116.8	5797.0	5646.4
70°	5383.3	5329.3	5517.1	5929.9	6565.9	7197.5	6651.0	5917.5	5525.9	5281.4
72.5°	4159.9	4066.9	4392.9	5098.9	6140.7	7054.0	6183.2	5138.8	4595.8	4099.7
75°	2263.3	2157.9	2607.9	3500.9	4897.0	6114.1	5009.5	3601.0	2903.8	2246.5
77.5°	638.7	598.8	962.0	1693.7	2945.4	4292.8	3058.8	1730.9	1141.0	676.8
80°	195.8	189.6	256.9	510.2	1250.8	2056.1	1202.1	516.4	326.9	206.4
82.5°	116.0	106.3	127.6	186.0	318.9	645.8	310.0	194.0	155.9	104.5
85°	66.4	62.0	75.3	90.4	107.2	137.3	89.5	92.1	83.3	55.8
87.5°	27.5	24.8	29.2	28.3	24.8	31.9	23.9	28.3	33.7	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1554.7
1549.3
1529.9
1508.6
1498.9
1498.9
1505.1
1516.6
1528.1
1533.4
1538.7
1552.0
1582.1
1629.1
1704.4
1808.9
1939.1
2104.8
2300.5
2523.8
2792.2
3117.3
3506.2
3947.3
4392.0
4908.5
5410.8
5648.2
5339.9
4222.8
2392.7
752.1
217.9
113.4
58.5
20.4
0.0

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