

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: P847241

Luminaire Tested: **GLAN-SB3B-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847241  
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-SB3B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16508 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

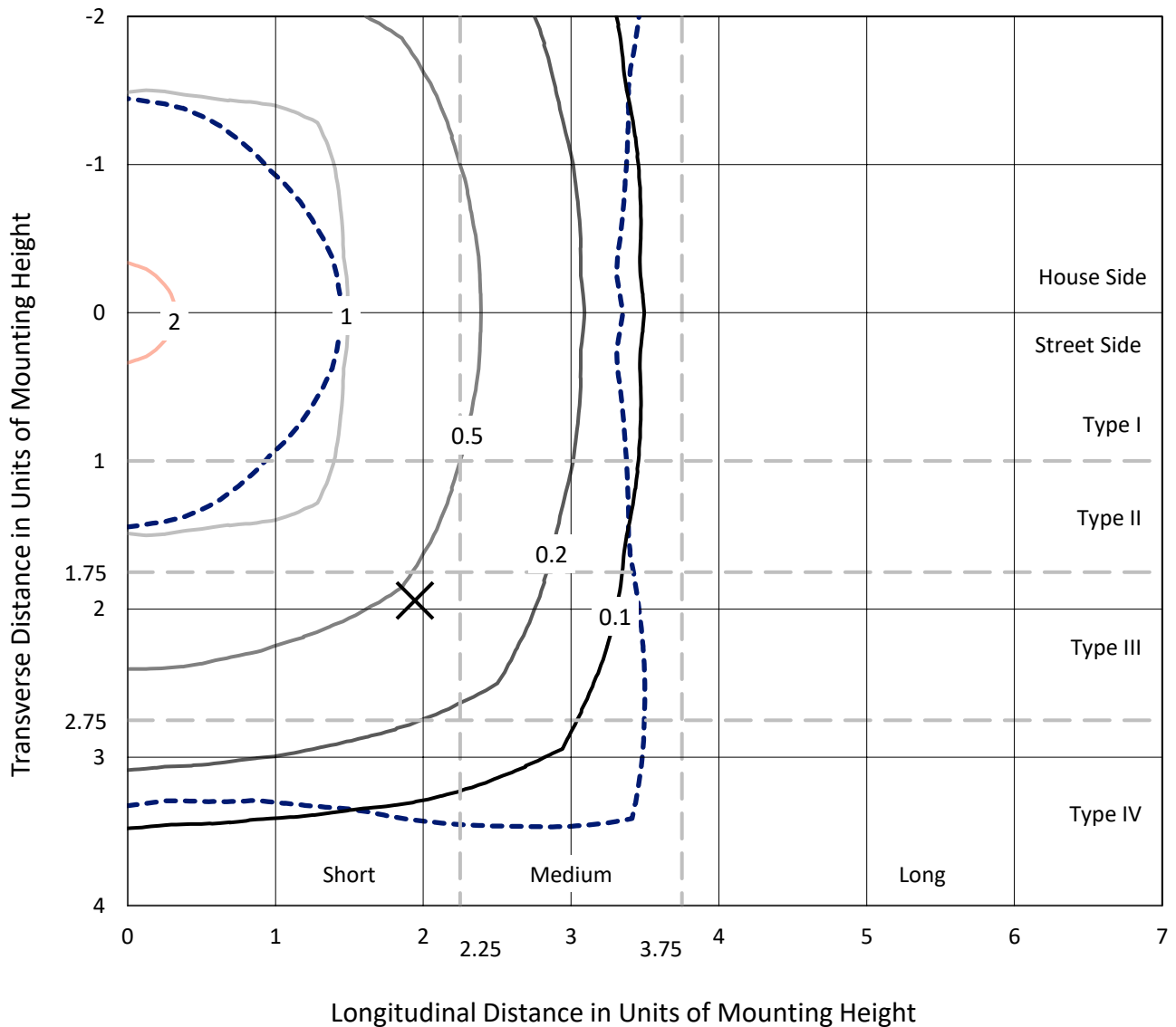
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

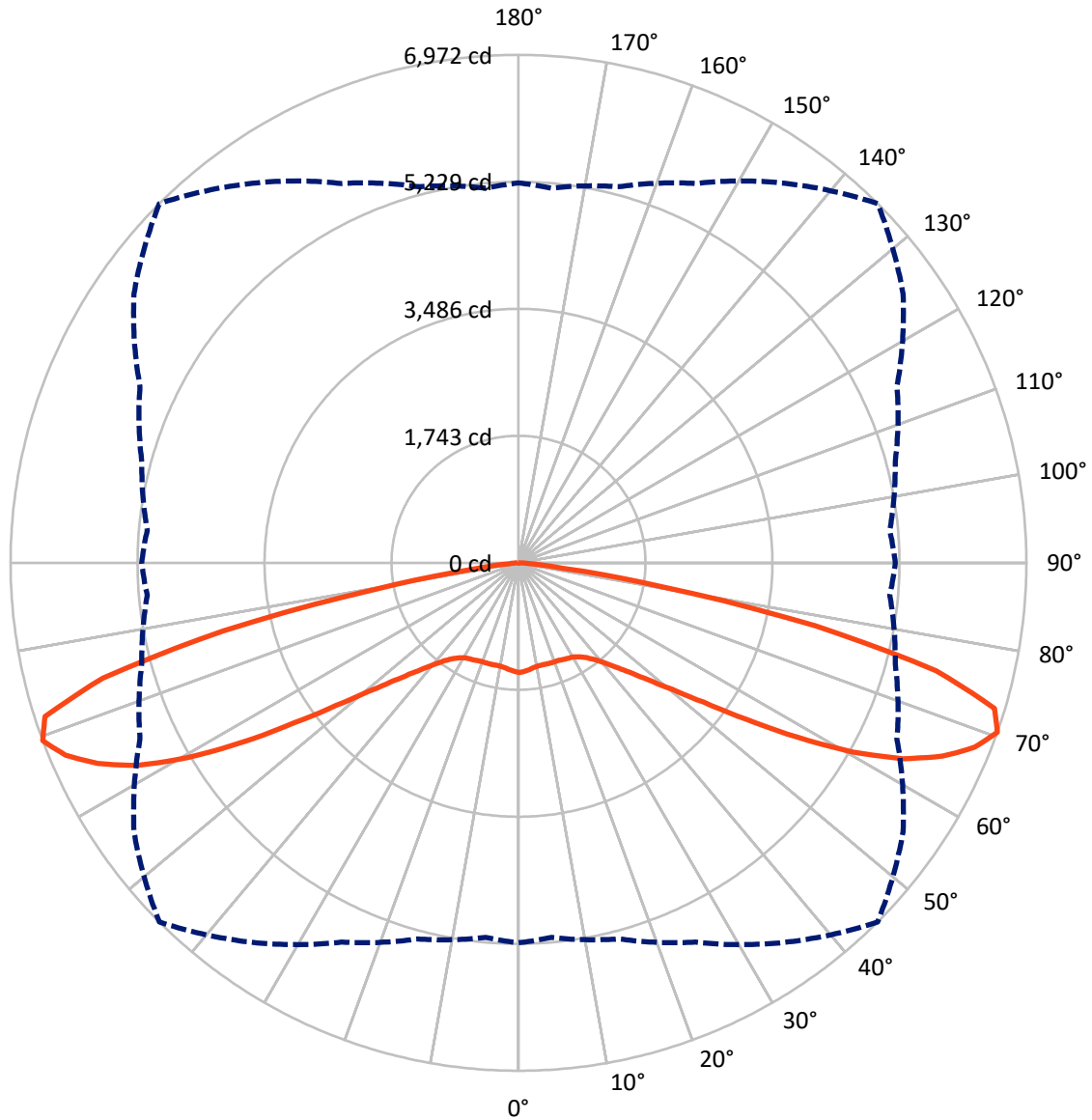
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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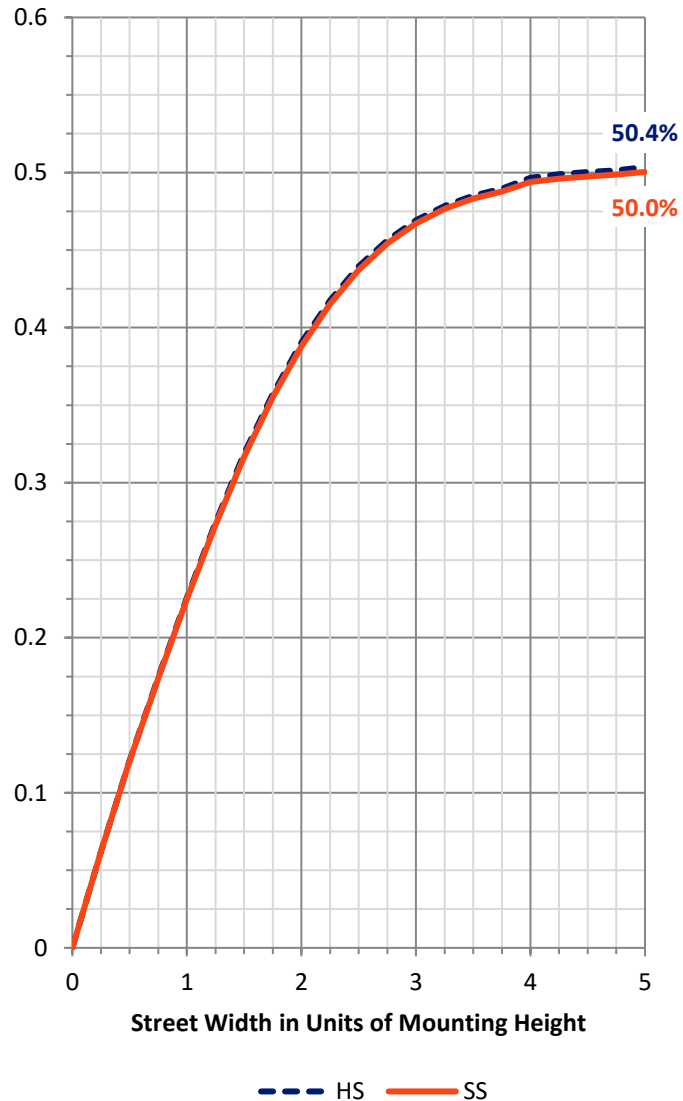
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8254.0	0.0	8254.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8254.0	0.0	8254.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16508.0	0.0	16508.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.1	0.8
10°-20°	411.3	2.5
20°-30°	684.5	4.1
30°-40°	1035.1	6.3
40°-50°	1720.2	10.4
50°-60°	3245.9	19.7
60°-70°	5480.8	33.2
70°-80°	3601.5	21.8
80°-90°	188.7	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°	16508.0	100.0
0°-180°	16508.0	100.0

**Coefficient of Utilization**



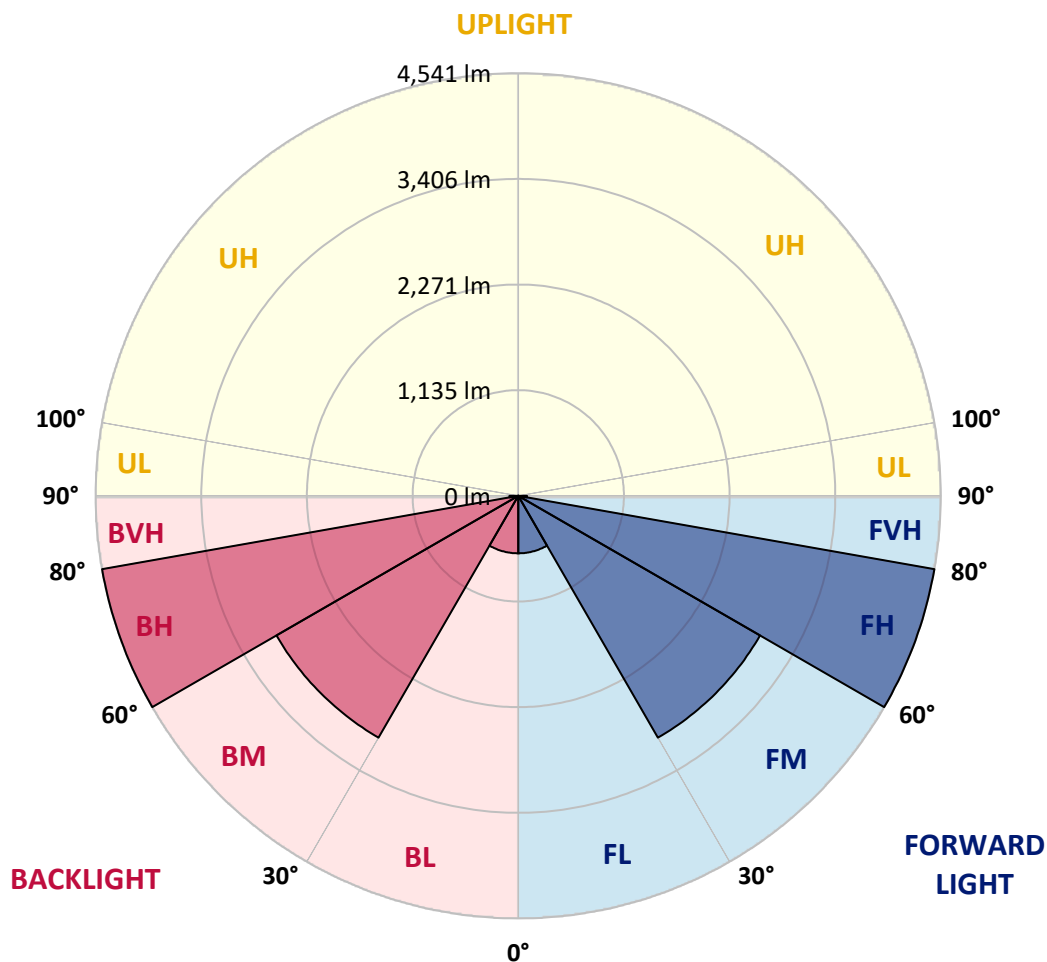
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.9	3.7			
FM (30°-60°)	3000.6	18.2			
FH (60°-80°)	4541.1	27.5			G2/5000
FVH (80°-90°)	94.3	0.6			G1/100
BL (0°-30°)	617.9	3.7	B2/1000		
BM (30°-60°)	3000.6	18.2	B3/5000		
BH (60°-80°)	4541.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	94.3	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°	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9
2.5°	1496.4	1500.7	1499.0	1495.6	1495.6	1493.0	1495.6	1497.3	1499.9	1501.6
5°	1476.7	1480.1	1479.3	1476.7	1477.5	1475.0	1476.7	1479.3	1481.0	1481.8
7.5°	1459.5	1463.0	1461.2	1457.0	1457.0	1454.4	1455.2	1457.8	1460.4	1461.2
10°	1455.2	1458.7	1453.5	1446.7	1444.1	1440.7	1441.5	1444.1	1449.2	1451.8
12.5°	1457.0	1459.5	1454.4	1444.1	1441.5	1438.1	1438.1	1440.7	1447.5	1450.9
15°	1462.1	1464.7	1457.0	1445.8	1443.2	1440.7	1439.8	1443.2	1450.9	1457.0
17.5°	1471.5	1474.1	1462.1	1446.7	1443.2	1444.1	1443.2	1445.8	1457.8	1469.0
20°	1480.1	1481.8	1465.5	1446.7	1443.2	1444.1	1443.2	1448.4	1463.8	1479.3
22.5°	1482.7	1484.4	1469.0	1452.7	1450.1	1450.9	1450.1	1455.2	1469.8	1485.3
25°	1483.6	1486.1	1474.1	1461.2	1465.5	1467.3	1465.5	1466.4	1477.5	1491.3
27.5°	1496.4	1499.9	1488.7	1477.5	1480.1	1479.3	1481.8	1484.4	1493.0	1506.7
30°	1523.0	1525.6	1516.2	1505.0	1503.3	1497.3	1505.0	1513.6	1523.0	1535.0
32.5°	1566.8	1571.9	1559.9	1547.9	1540.2	1536.8	1542.8	1557.3	1570.2	1583.1
35°	1639.7	1643.1	1632.0	1609.7	1596.0	1596.0	1601.1	1620.0	1640.6	1656.9
37.5°	1742.7	1747.0	1727.2	1700.6	1680.0	1680.0	1686.9	1706.6	1737.5	1760.7
40°	1868.0	1874.0	1849.1	1821.6	1801.9	1798.5	1807.0	1829.3	1858.5	1887.7
42.5°	2019.0	2025.8	1993.2	1969.2	1953.8	1953.8	1958.0	1978.6	2005.2	2041.3
45°	2212.0	2224.0	2179.4	2155.4	2140.8	2144.2	2146.8	2164.8	2188.9	2230.0
47.5°	2442.0	2454.0	2406.8	2381.9	2379.3	2395.7	2385.4	2398.2	2411.1	2458.3
50°	2702.8	2723.4	2690.8	2689.1	2694.2	2724.3	2700.3	2707.1	2692.5	2722.6
52.5°	3022.0	3052.1	3046.0	3056.3	3113.8	3175.6	3120.7	3096.7	3041.8	3051.2
55°	3409.0	3454.5	3463.1	3524.8	3655.3	3781.4	3664.7	3567.7	3451.0	3429.6
57.5°	3849.2	3885.2	3926.4	4052.5	4296.2	4520.2	4296.2	4081.7	3898.1	3854.3
60°	4322.8	4367.4	4406.9	4593.1	4955.2	5270.1	4948.3	4607.7	4364.9	4305.6
62.5°	4831.6	4889.1	4916.6	5123.4	5545.5	5921.3	5551.5	5138.8	4869.4	4805.9
65°	5319.9	5367.0	5397.9	5618.5	6021.7	6398.4	6049.2	5642.5	5365.3	5282.1
67.5°	5547.2	5573.0	5648.5	5898.2	6323.8	6753.6	6395.8	5924.8	5615.0	5469.2
70°	5214.3	5162.0	5343.9	5743.7	6359.8	6971.6	6442.2	5731.7	5352.5	5115.6
72.5°	4029.4	3939.3	4255.0	4938.9	5947.9	6832.6	5989.1	4977.5	4451.5	3971.0
75°	2192.3	2090.2	2526.1	3391.0	4743.3	5922.2	4852.2	3487.9	2812.7	2176.0
77.5°	618.6	580.0	931.8	1640.6	2853.0	4158.1	2962.8	1676.6	1105.2	655.5
80°	189.6	183.6	248.8	494.2	1211.6	1991.5	1164.4	500.2	316.6	199.9
82.5°	112.4	103.0	123.6	180.2	308.9	625.5	300.3	187.9	151.0	101.2
85°	64.4	60.1	72.9	87.5	103.8	133.0	86.7	89.2	80.7	54.1
87.5°	26.6	24.0	28.3	27.5	24.0	30.9	23.2	27.5	32.6	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1505.9
1500.7
1481.8
1461.2
1451.8
1451.8
1457.8
1469.0
1480.1
1485.3
1490.4
1503.3
1532.5
1577.9
1650.9
1752.1
1878.3
2038.7
2228.3
2444.6
2704.5
3019.4
3396.1
3823.4
4254.2
4754.4
5240.9
5470.9
5172.3
4090.3
2317.6
728.5
211.1
109.8
56.6
19.7
0.0

OF REPORT)