

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: P846981

Luminaire Tested: **GLAN-SB2D-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846981  
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-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18306 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

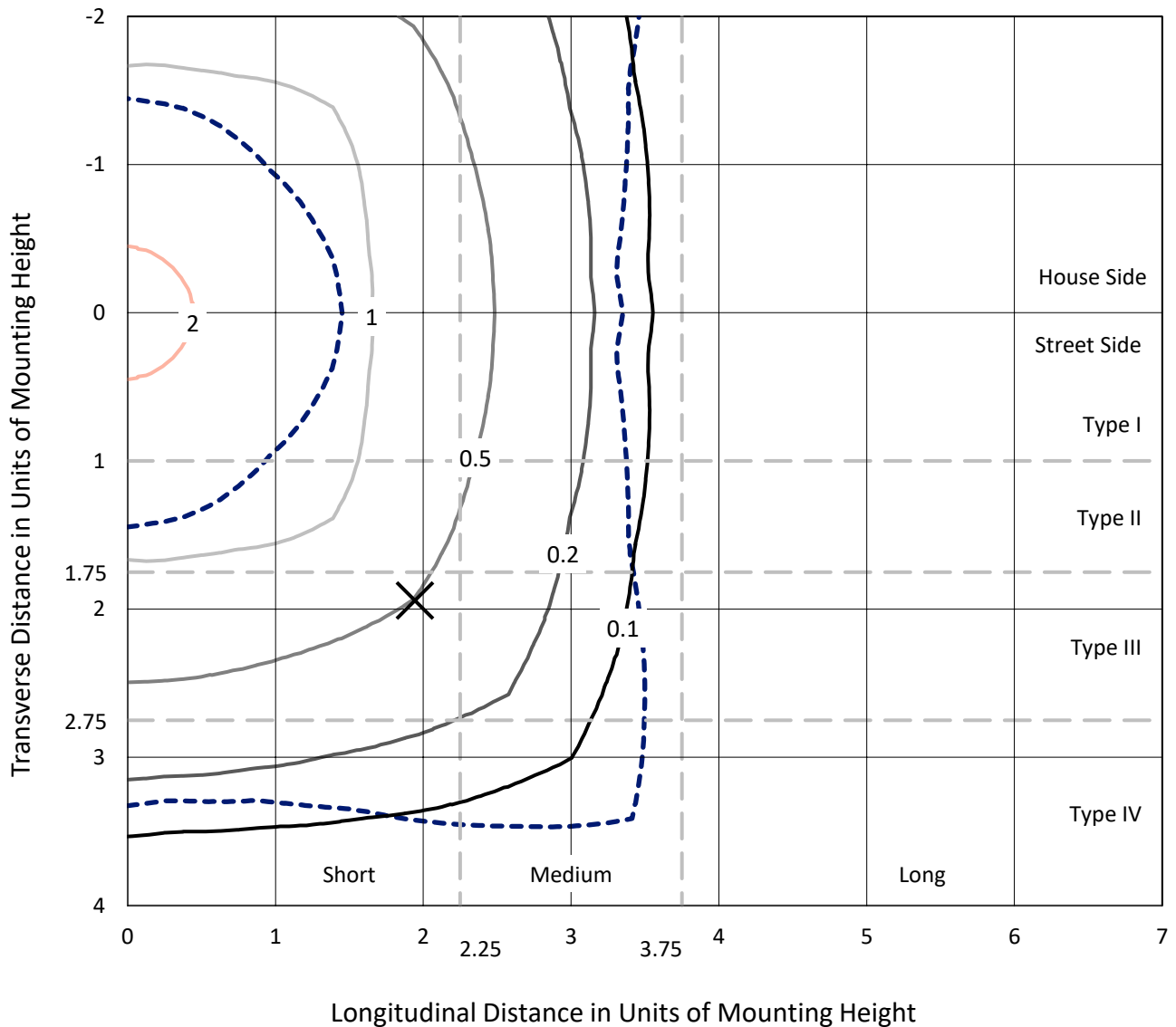
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

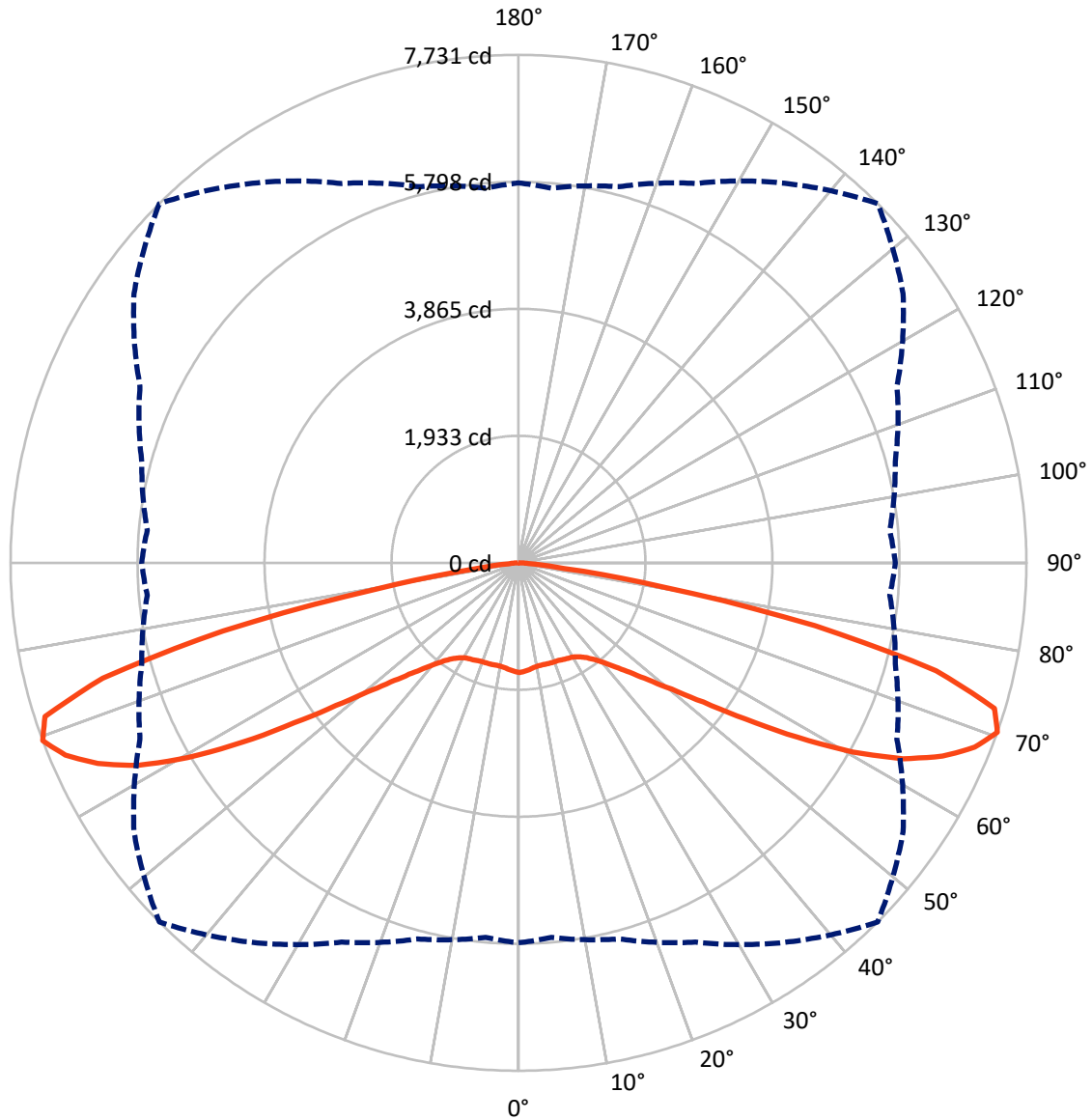
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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
<b>House Side</b>	Lumens	9153.0	0.0	9153.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9153.0	0.0	9153.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18306.0	0.0	18306.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.3	0.8
10°-20°	456.1	2.5
20°-30°	759.0	4.1
30°-40°	1147.9	6.3
40°-50°	1907.5	10.4
50°-60°	3599.4	19.7
60°-70°	6077.8	33.2
70°-80°	3993.7	21.8
80°-90°	209.2	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°	18306.0	100.0
0°-180°	18306.0	100.0

**Coefficient of Utilization**



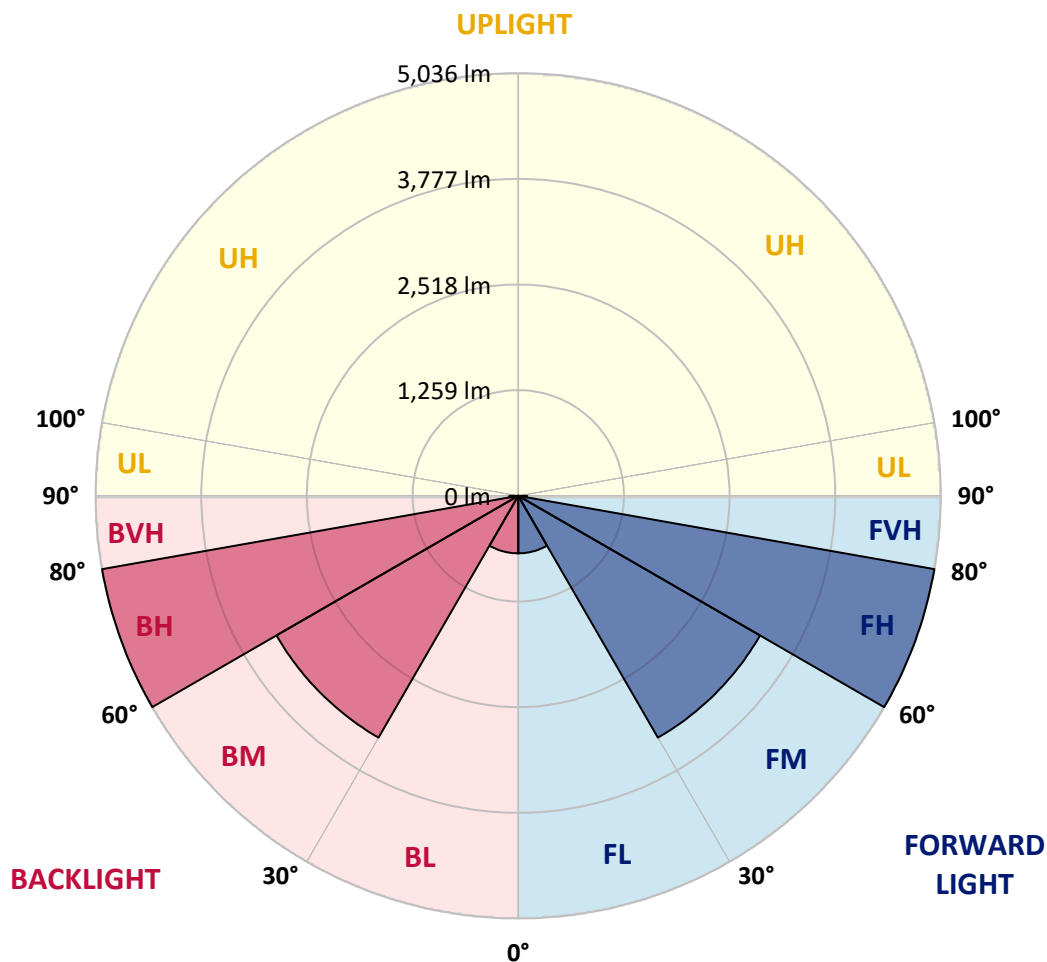
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	685.2	3.7			
FM (30°-60°)	3327.4	18.2			
FH (60°-80°)	5035.7	27.5			G3/7500
FVH (80°-90°)	104.6	0.6			G2/225
BL (0°-30°)	685.2	3.7	B2/1000		
BM (30°-60°)	3327.4	18.2	B3/5000		
BH (60°-80°)	5035.7	27.5	B5		G3/7500
BVH (80°-90°)	104.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1669.9	1669.9	1669.9	1669.9	1669.9	1669.9	1669.9	1669.9	1669.9	1669.9
2.5°	1659.4	1664.2	1662.3	1658.5	1658.5	1655.6	1658.5	1660.4	1663.2	1665.1
5°	1637.5	1641.3	1640.4	1637.5	1638.5	1635.6	1637.5	1640.4	1642.3	1643.2
7.5°	1618.5	1622.3	1620.4	1615.6	1615.6	1612.8	1613.7	1616.6	1619.4	1620.4
10°	1613.7	1617.5	1611.8	1604.2	1601.4	1597.6	1598.5	1601.4	1607.1	1609.9
12.5°	1615.6	1618.5	1612.8	1601.4	1598.5	1594.7	1594.7	1597.6	1605.2	1609.0
15°	1621.3	1624.2	1615.6	1603.3	1600.4	1597.6	1596.6	1600.4	1609.0	1615.6
17.5°	1631.8	1634.7	1621.3	1604.2	1600.4	1601.4	1600.4	1603.3	1616.6	1629.0
20°	1641.3	1643.2	1625.2	1604.2	1600.4	1601.4	1600.4	1606.1	1623.3	1640.4
22.5°	1644.2	1646.1	1629.0	1610.9	1608.0	1609.0	1608.0	1613.7	1629.9	1647.0
25°	1645.1	1648.0	1634.7	1620.4	1625.2	1627.1	1625.2	1626.1	1638.5	1653.7
27.5°	1659.4	1663.2	1650.8	1638.5	1641.3	1640.4	1643.2	1646.1	1655.6	1670.8
30°	1688.9	1691.8	1681.3	1668.9	1667.0	1660.4	1668.9	1678.4	1688.9	1702.2
32.5°	1737.4	1743.1	1729.8	1716.5	1707.9	1704.1	1710.8	1727.0	1741.2	1755.5
35°	1818.3	1822.1	1809.7	1785.0	1769.8	1769.8	1775.5	1796.4	1819.3	1837.3
37.5°	1932.5	1937.2	1915.4	1885.9	1863.0	1863.0	1870.6	1892.5	1926.8	1952.5
40°	2071.4	2078.1	2050.5	2020.0	1998.1	1994.3	2003.9	2028.6	2060.9	2093.3
42.5°	2238.9	2246.5	2210.3	2183.7	2166.6	2166.6	2171.3	2194.2	2223.6	2263.6
45°	2453.0	2466.3	2416.8	2390.2	2374.0	2377.8	2380.6	2400.6	2427.3	2472.9
47.5°	2708.0	2721.3	2668.9	2641.4	2638.5	2656.6	2645.2	2659.4	2673.7	2726.0
50°	2997.2	3020.0	2983.9	2982.0	2987.7	3021.0	2994.4	3002.0	2985.8	3019.1
52.5°	3351.2	3384.5	3377.8	3389.2	3453.0	3521.5	3460.6	3433.9	3373.1	3383.5
55°	3780.3	3830.7	3840.2	3908.7	4053.4	4193.2	4063.8	3956.3	3826.9	3803.1
57.5°	4268.4	4308.4	4354.0	4493.9	4764.1	5012.5	4764.1	4526.3	4322.6	4274.1
60°	4793.6	4843.1	4886.9	5093.4	5494.9	5844.1	5487.3	5109.5	4840.3	4774.6
62.5°	5357.9	5421.6	5452.1	5681.4	6149.5	6566.3	6156.2	5698.5	5399.7	5329.3
65°	5899.3	5951.6	5985.9	6230.4	6677.6	7095.3	6708.0	6257.0	5949.7	5857.4
67.5°	6151.4	6180.0	6263.7	6540.6	7012.5	7489.2	7092.5	6570.1	6226.6	6064.8
70°	5782.2	5724.2	5925.9	6369.3	7052.5	7730.9	7143.8	6356.0	5935.4	5672.8
72.5°	4468.2	4368.3	4718.5	5476.8	6595.8	7576.8	6641.4	5519.6	4936.4	4403.5
75°	2431.1	2317.8	2801.2	3760.3	5259.9	6567.2	5380.7	3867.8	3119.0	2413.0
77.5°	686.0	643.2	1033.3	1819.3	3163.7	4611.0	3285.5	1859.2	1225.5	726.9
80°	210.3	203.6	275.9	548.1	1343.5	2208.4	1291.2	554.7	351.1	221.7
82.5°	124.6	114.2	137.0	199.8	342.5	693.6	333.0	208.4	167.5	112.3
85°	71.4	66.6	80.9	97.1	115.1	147.5	96.1	99.0	89.4	59.9
87.5°	29.5	26.6	31.4	30.4	26.6	34.3	25.7	30.4	36.2	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1669.9
1664.2
1643.2
1620.4
1609.9
1609.9
1616.6
1629.0
1641.3
1647.0
1652.7
1667.0
1699.4
1749.8
1830.7
1943.0
2082.8
2260.8
2471.0
2710.8
2999.1
3348.3
3766.0
4239.9
4717.5
5272.2
5811.7
6066.7
5735.6
4535.8
2570.0
807.8
234.1
121.8
62.8
21.9
0.0

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