

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: P849221

Luminaire Tested: **GLAN-SB6A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849221
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-SB6A-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18563 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

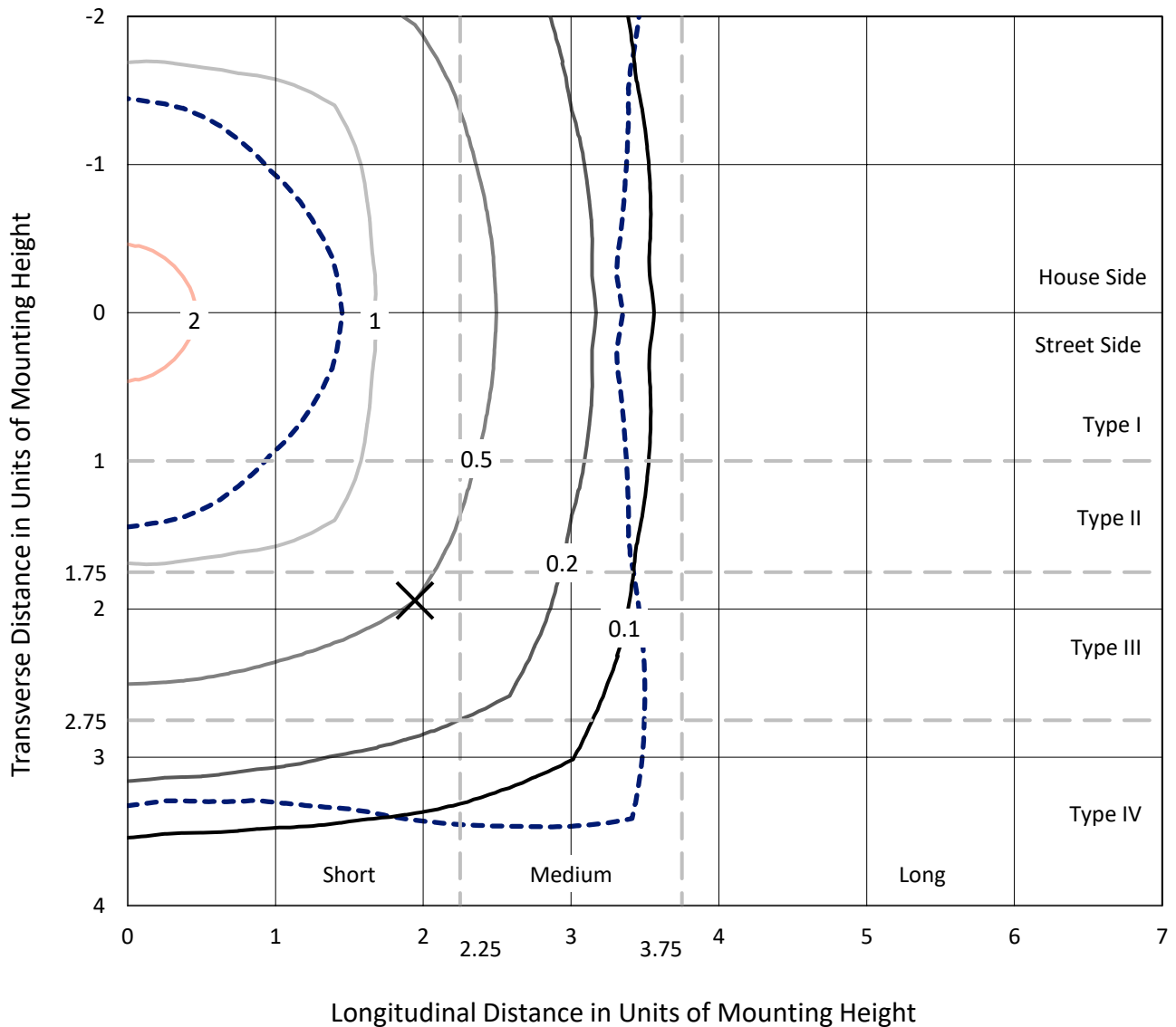
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849221
 CATALOG NUMBER: GLAN-SB6A-930-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

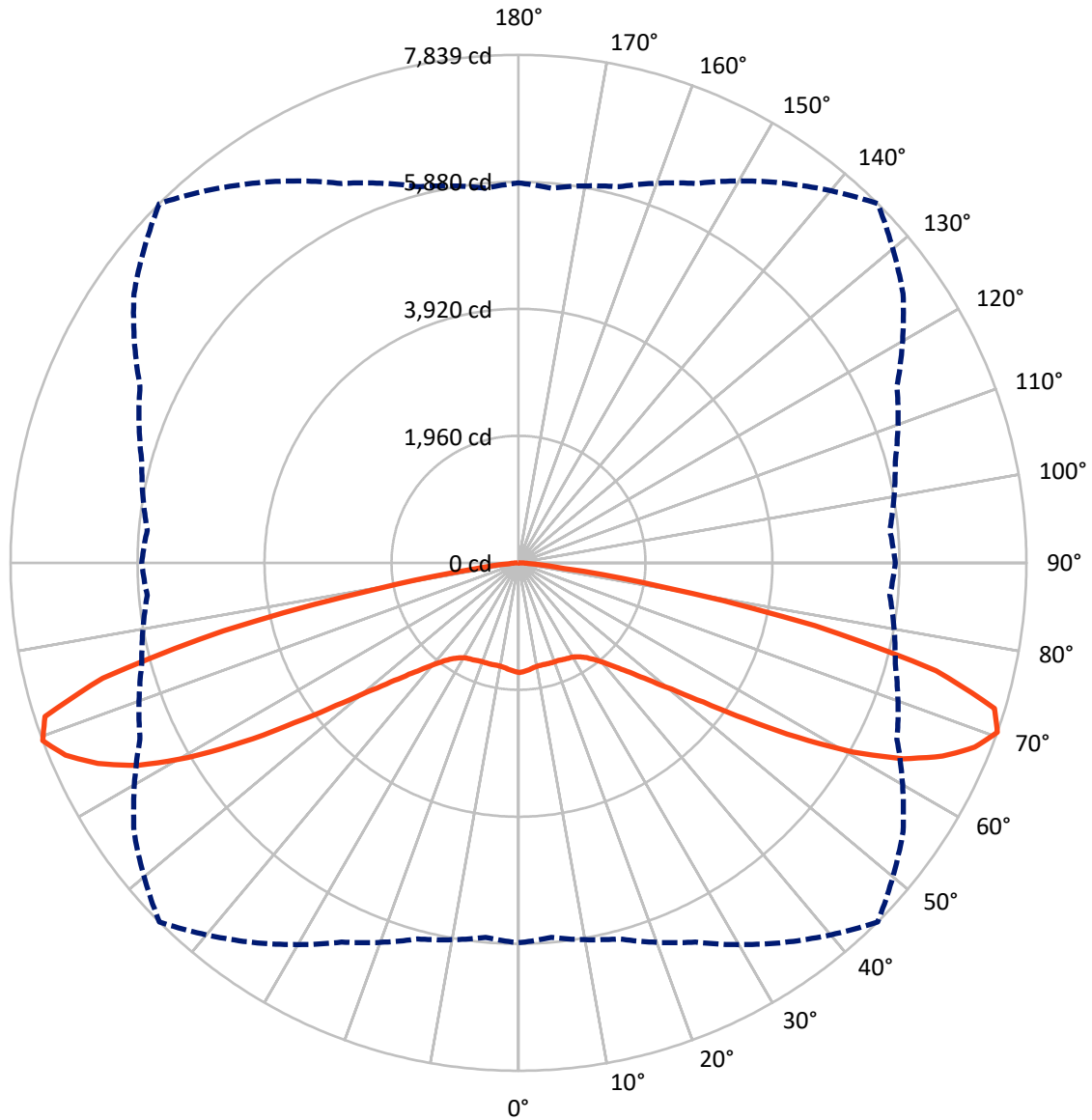
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P849221
CATALOG NUMBER: GLAN-SB6A-930-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P849221
 CATALOG NUMBER: GLAN-SB6A-930-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9281.5	0.0	9281.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9281.5	0.0	9281.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18563.0	0.0	18563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	0.8
10°-20°	462.5	2.5
20°-30°	769.7	4.1
30°-40°	1164.0	6.3
40°-50°	1934.3	10.4
50°-60°	3649.9	19.7
60°-70°	6163.1	33.2
70°-80°	4049.8	21.8
80°-90°	212.2	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°	18563.0	100.0
0°-180°	18563.0	100.0

Coefficient of Utilization



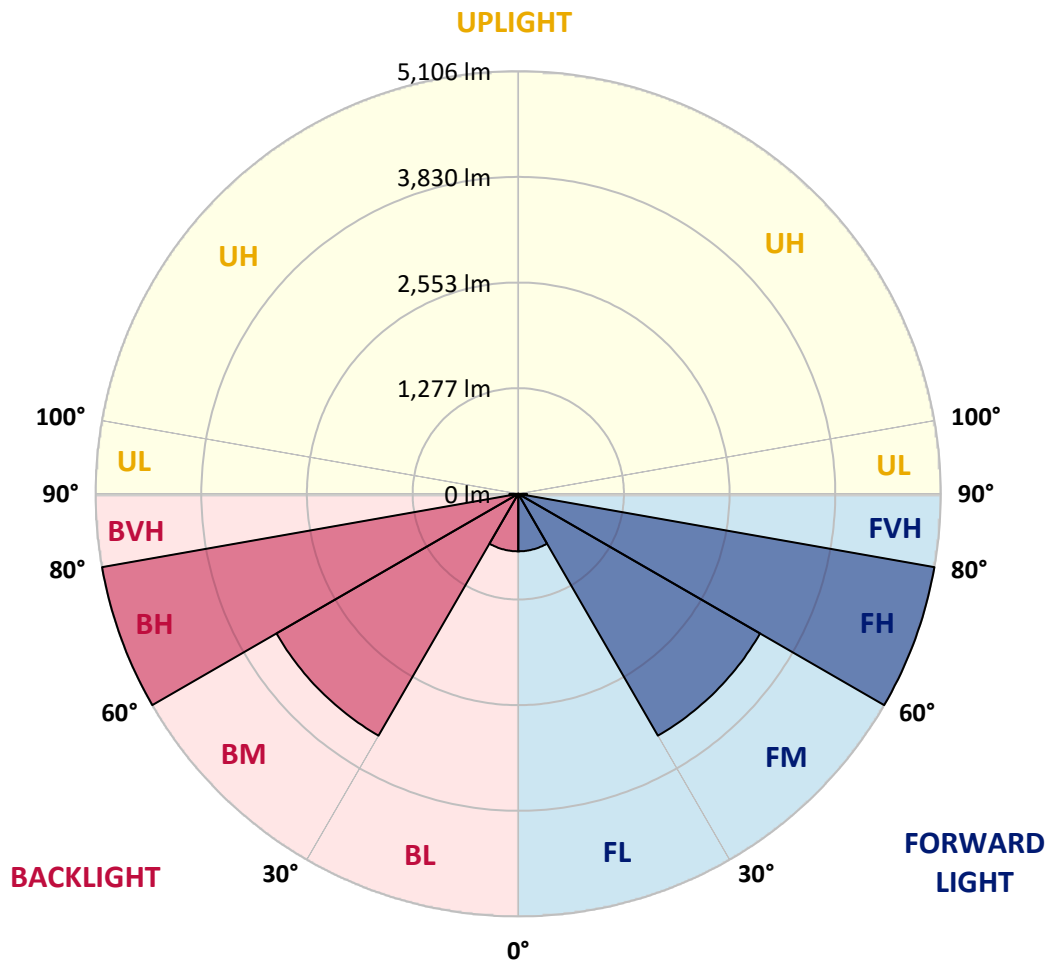
REPORT NUMBER: P849221
 CATALOG NUMBER: GLAN-SB6A-930-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	694.9	3.7			
FM (30°-60°)	3374.1	18.2			
FH (60°-80°)	5106.4	27.5			G3/7500
FVH (80°-90°)	106.1	0.6			G2/225
BL (0°-30°)	694.9	3.7	B2/1000		
BM (30°-60°)	3374.1	18.2	B3/5000		
BH (60°-80°)	5106.4	27.5	B5		G3/7500
BVH (80°-90°)	106.1	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



REPORT NUMBER: P849221
 CATALOG NUMBER: GLAN-SB6A-930-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1682.7	1687.5	1685.6	1681.7	1681.7	1678.8	1681.7	1683.7	1686.6	1688.5
5°	1660.5	1664.4	1663.4	1660.5	1661.5	1658.6	1660.5	1663.4	1665.3	1666.3
7.5°	1641.2	1645.1	1643.1	1638.3	1638.3	1635.4	1636.4	1639.3	1642.2	1643.1
10°	1636.4	1640.3	1634.5	1626.7	1623.8	1620.0	1621.0	1623.8	1629.6	1632.5
12.5°	1638.3	1641.2	1635.4	1623.8	1621.0	1617.1	1617.1	1620.0	1627.7	1631.6
15°	1644.1	1647.0	1638.3	1625.8	1622.9	1620.0	1619.0	1622.9	1631.6	1638.3
17.5°	1654.7	1657.6	1644.1	1626.7	1622.9	1623.8	1622.9	1625.8	1639.3	1651.8
20°	1664.4	1666.3	1648.0	1626.7	1622.9	1623.8	1622.9	1628.7	1646.0	1663.4
22.5°	1667.3	1669.2	1651.8	1633.5	1630.6	1631.6	1630.6	1636.4	1652.8	1670.2
25°	1668.2	1671.1	1657.6	1643.1	1648.0	1649.9	1648.0	1648.9	1661.5	1676.9
27.5°	1682.7	1686.6	1674.0	1661.5	1664.4	1663.4	1666.3	1669.2	1678.8	1694.3
30°	1712.6	1715.5	1704.9	1692.4	1690.4	1683.7	1692.4	1702.0	1712.6	1726.1
32.5°	1761.8	1767.6	1754.1	1740.6	1731.9	1728.1	1734.8	1751.2	1765.7	1780.2
35°	1843.8	1847.7	1835.2	1810.1	1794.6	1794.6	1800.4	1821.6	1844.8	1863.1
37.5°	1959.6	1964.4	1942.3	1912.3	1889.2	1889.2	1896.9	1919.1	1953.8	1979.9
40°	2100.5	2107.2	2079.3	2048.4	2026.2	2022.3	2032.0	2057.1	2089.9	2122.7
42.5°	2270.3	2278.0	2241.4	2214.3	2197.0	2197.0	2201.8	2225.0	2254.9	2295.4
45°	2487.4	2500.9	2450.7	2423.7	2407.3	2411.2	2414.1	2434.3	2461.3	2507.7
47.5°	2746.0	2759.5	2706.4	2678.4	2675.5	2693.9	2682.3	2696.8	2711.2	2764.3
50°	3039.3	3062.4	3025.8	3023.9	3029.6	3063.4	3036.4	3044.1	3027.7	3061.5
52.5°	3398.2	3432.0	3425.2	3436.8	3501.5	3570.9	3509.2	3482.2	3420.4	3431.0
55°	3833.4	3884.5	3894.2	3963.6	4110.3	4252.1	4120.9	4011.9	3880.6	3856.5
57.5°	4328.3	4368.9	4415.2	4557.0	4831.0	5082.9	4831.0	4589.8	4383.3	4334.1
60°	4860.9	4911.1	4955.5	5164.9	5572.0	5926.1	5564.3	5181.3	4908.2	4841.6
62.5°	5433.1	5497.7	5528.6	5761.1	6235.9	6658.5	6242.6	5778.5	5475.5	5404.1
65°	5982.1	6035.2	6069.9	6317.9	6771.3	7194.9	6802.2	6344.9	6033.2	5939.6
67.5°	6237.8	6266.7	6351.6	6632.4	7111.0	7594.4	7192.0	6662.3	6314.0	6150.0
70°	5863.4	5804.6	6009.1	6458.7	7151.5	7839.4	7244.1	6445.2	6018.8	5752.5
72.5°	4531.0	4429.6	4784.7	5553.7	6688.4	7683.1	6734.7	5597.1	5005.7	4465.3
75°	2465.2	2350.4	2840.5	3813.1	5333.7	6659.4	5456.3	3922.1	3162.8	2446.9
77.5°	695.7	652.2	1047.8	1844.8	3208.1	4675.7	3331.6	1885.3	1242.7	737.1
80°	213.2	206.5	279.8	555.8	1362.4	2239.4	1309.3	562.5	356.0	224.8
82.5°	126.4	115.8	138.9	202.6	347.3	703.4	337.7	211.3	169.8	113.9
85°	72.4	67.5	82.0	98.4	116.7	149.6	97.5	100.3	90.7	60.8
87.5°	29.9	27.0	31.8	30.9	27.0	34.7	26.1	30.9	36.7	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1693.3
1687.5
1666.3
1643.1
1632.5
1632.5
1639.3
1651.8
1664.4
1670.2
1676.0
1690.4
1723.2
1774.4
1856.4
1970.2
2112.1
2292.5
2505.7
2748.9
3041.2
3395.3
3818.9
4299.4
4783.7
5346.3
5893.3
6151.9
5816.1
4599.5
2606.1
819.2
237.4
123.5
63.7
22.2
0.0

OF REPORT)