

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: P846991

Luminaire Tested: **GLAN-SB2D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846991
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17675 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

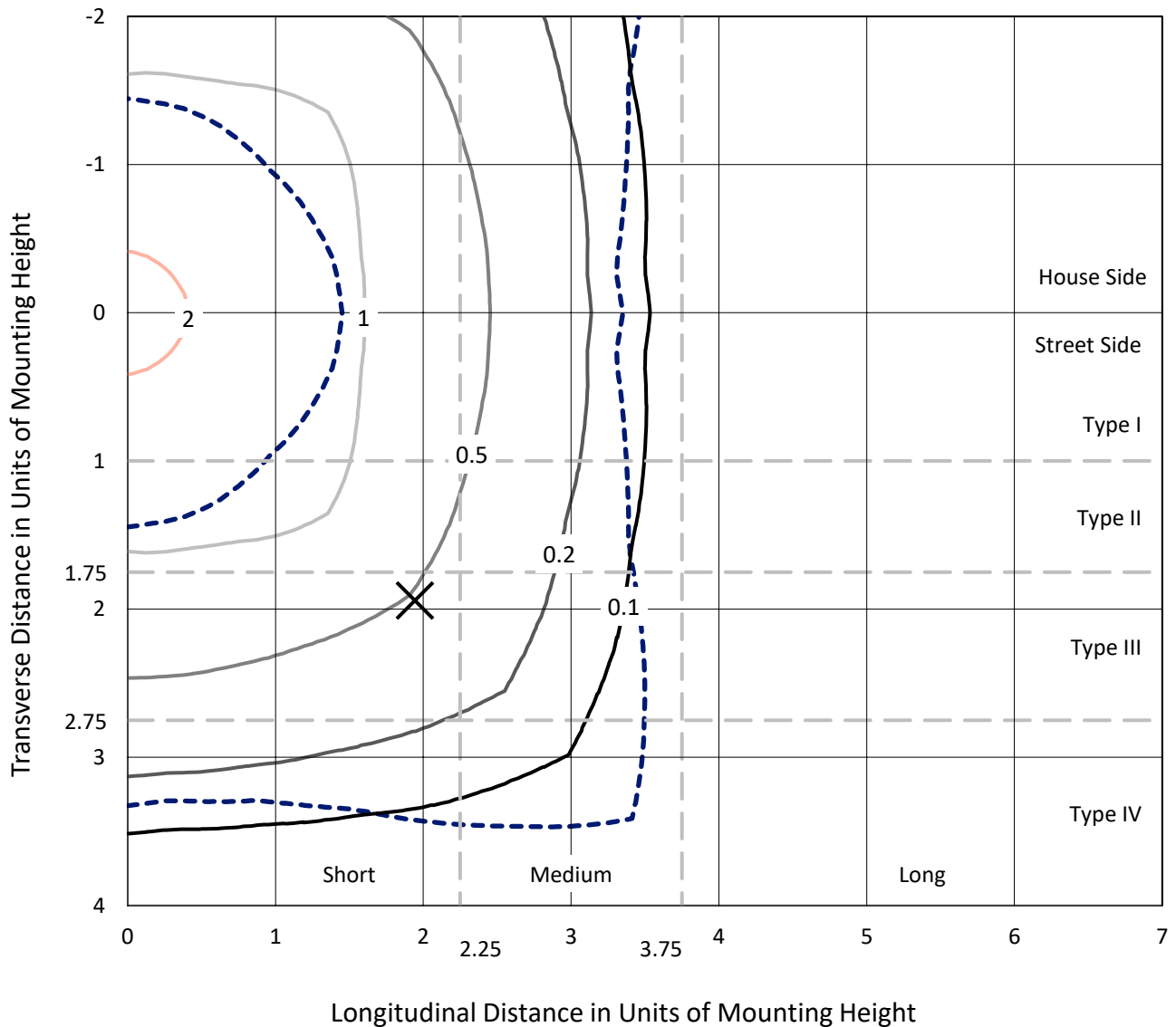
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

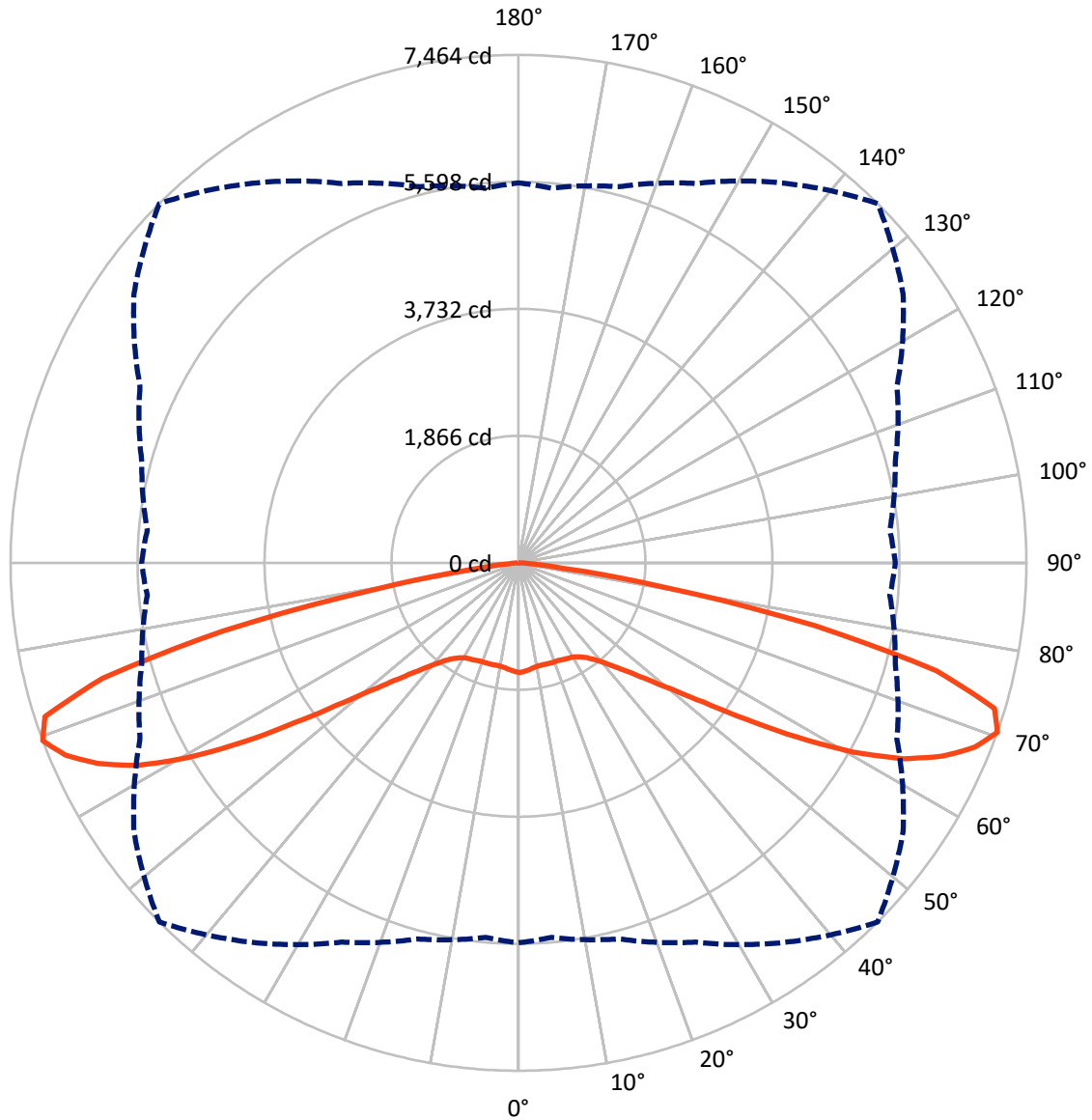
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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
House Side	Lumens	8837.5	0.0	8837.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8837.5	0.0	8837.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17675.0	0.0	17675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	0.8
10°-20°	440.4	2.5
20°-30°	732.9	4.1
30°-40°	1108.3	6.3
40°-50°	1841.8	10.4
50°-60°	3475.3	19.7
60°-70°	5868.2	33.2
70°-80°	3856.1	21.8
80°-90°	202.0	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°	17675.0	100.0
0°-180°	17675.0	100.0

Coefficient of Utilization



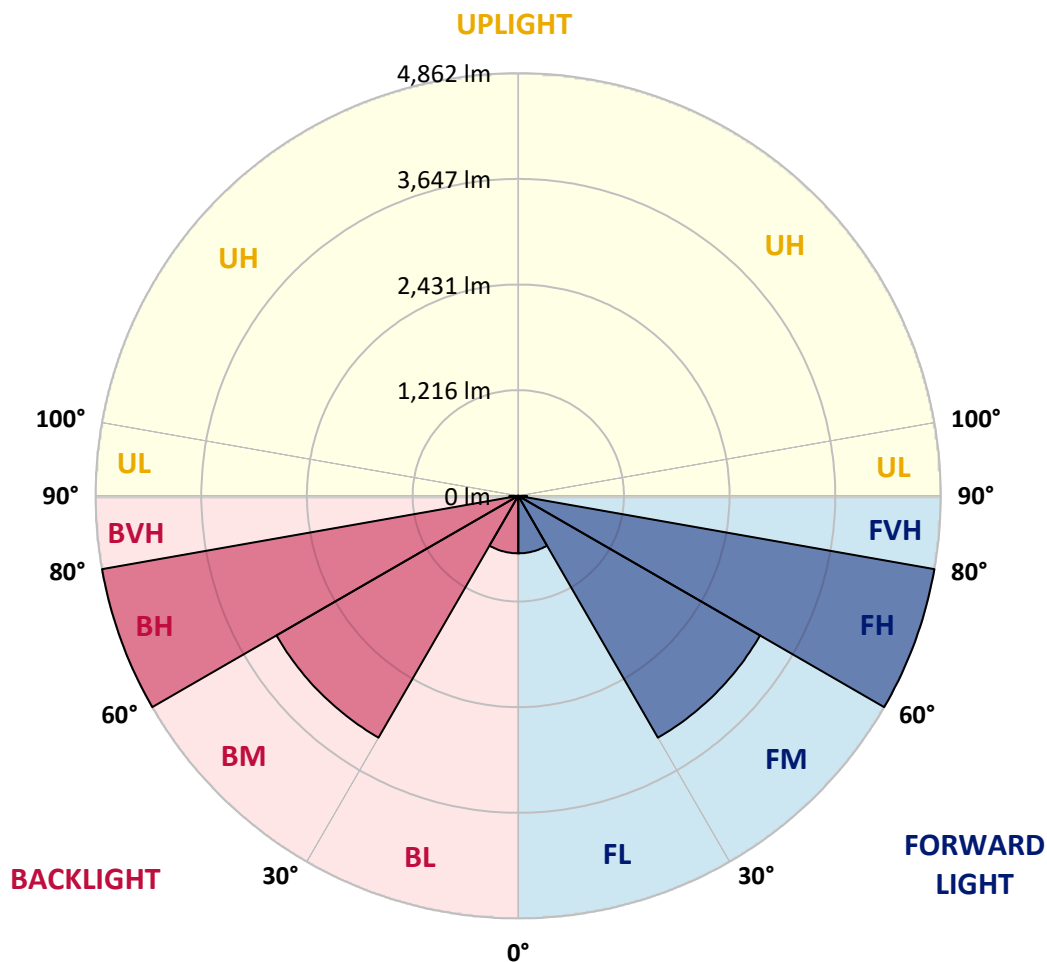
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.6	3.7			
FM (30°-60°)	3212.7	18.2			
FH (60°-80°)	4862.1	27.5			G2/5000
FVH (80°-90°)	101.0	0.6			G2/225
BL (0°-30°)	661.6	3.7	B2/1000		
BM (30°-60°)	3212.7	18.2	B3/5000		
BH (60°-80°)	4862.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	101.0	0.6			G2/225
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°	1612.3	1612.3	1612.3	1612.3	1612.3	1612.3	1612.3	1612.3	1612.3	1612.3
2.5°	1602.2	1606.8	1605.0	1601.3	1601.3	1598.5	1601.3	1603.1	1605.9	1607.7
5°	1581.1	1584.8	1583.8	1581.1	1582.0	1579.2	1581.1	1583.8	1585.7	1586.6
7.5°	1562.7	1566.4	1564.5	1560.0	1560.0	1557.2	1558.1	1560.9	1563.6	1564.5
10°	1558.1	1561.8	1556.3	1548.9	1546.2	1542.5	1543.4	1546.2	1551.7	1554.4
12.5°	1560.0	1562.7	1557.2	1546.2	1543.4	1539.7	1539.7	1542.5	1549.8	1553.5
15°	1565.5	1568.2	1560.0	1548.0	1545.3	1542.5	1541.6	1545.3	1553.5	1560.0
17.5°	1575.6	1578.3	1565.5	1548.9	1545.3	1546.2	1545.3	1548.0	1560.9	1572.8
20°	1584.8	1586.6	1569.1	1548.9	1545.3	1546.2	1545.3	1550.8	1567.3	1583.8
22.5°	1587.5	1589.3	1572.8	1555.4	1552.6	1553.5	1552.6	1558.1	1573.7	1590.3
25°	1588.4	1591.2	1578.3	1564.5	1569.1	1571.0	1569.1	1570.1	1582.0	1596.7
27.5°	1602.2	1605.9	1593.9	1582.0	1584.8	1583.8	1586.6	1589.3	1598.5	1613.2
30°	1630.7	1633.4	1623.3	1611.4	1609.6	1603.1	1611.4	1620.6	1630.7	1643.6
32.5°	1677.5	1683.1	1670.2	1657.3	1649.1	1645.4	1651.8	1667.4	1681.2	1695.0
35°	1755.6	1759.3	1747.4	1723.5	1708.8	1708.8	1714.3	1734.5	1756.6	1774.0
37.5°	1865.9	1870.5	1849.3	1820.9	1798.8	1798.8	1806.2	1827.3	1860.4	1885.2
40°	2000.0	2006.4	1979.8	1950.4	1929.3	1925.6	1934.8	1958.7	1989.9	2021.1
42.5°	2161.7	2169.0	2134.1	2108.4	2091.9	2091.9	2096.5	2118.5	2147.0	2185.6
45°	2368.4	2381.3	2333.5	2307.8	2292.2	2295.8	2298.6	2317.9	2343.6	2387.7
47.5°	2614.6	2627.5	2576.9	2550.3	2547.6	2565.0	2554.0	2567.8	2581.5	2632.1
50°	2893.9	2915.9	2881.0	2879.2	2884.7	2916.9	2891.1	2898.5	2882.9	2915.0
52.5°	3235.7	3267.8	3261.4	3272.4	3334.0	3400.1	3341.3	3315.6	3256.8	3266.9
55°	3650.0	3698.7	3707.9	3774.0	3913.7	4048.7	3923.8	3819.9	3695.0	3672.0
57.5°	4121.3	4159.9	4204.0	4339.0	4599.9	4839.7	4599.9	4370.2	4173.6	4126.8
60°	4628.4	4676.2	4718.4	4917.8	5305.5	5642.6	5298.1	4933.4	4673.4	4610.0
62.5°	5173.2	5234.7	5264.1	5485.5	5937.5	6339.9	5944.0	5502.1	5213.6	5145.6
65°	5695.9	5746.5	5779.5	6015.6	6447.4	6850.7	6476.8	6041.4	5744.6	5655.5
67.5°	5939.4	5966.9	6047.8	6315.1	6770.8	7231.1	6848.0	6343.6	6012.0	5855.8
70°	5582.9	5526.9	5721.7	6149.8	6809.4	7464.4	6897.6	6136.9	5730.8	5477.3
72.5°	4314.2	4217.7	4555.8	5288.0	6368.4	7315.6	6412.5	5329.4	4766.2	4251.7
75°	2347.3	2237.9	2704.6	3630.7	5078.6	6340.9	5195.2	3734.5	3011.5	2329.8
77.5°	662.4	621.0	997.7	1756.6	3054.7	4452.0	3172.3	1795.1	1183.3	701.9
80°	203.0	196.6	266.4	529.2	1297.2	2132.3	1246.7	535.6	339.0	214.1
82.5°	120.3	110.2	132.3	192.9	330.7	669.7	321.5	201.2	161.7	108.4
85°	68.9	64.3	78.1	93.7	111.2	142.4	92.8	95.5	86.4	57.9
87.5°	28.5	25.7	30.3	29.4	25.7	33.1	24.8	29.4	34.9	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1612.3
1606.8
1586.6
1564.5
1554.4
1554.4
1560.9
1572.8
1584.8
1590.3
1595.8
1609.6
1640.8
1689.5
1767.6
1876.0
2011.0
2182.8
2385.9
2617.4
2895.7
3232.9
3636.2
4093.7
4554.9
5090.5
5611.4
5857.6
5537.9
4379.4
2481.4
780.0
226.0
117.6
60.6
21.1
0.0

OF REPORT)