

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: P847251

Luminaire Tested: **GLAN-SB3B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847251
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16770 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

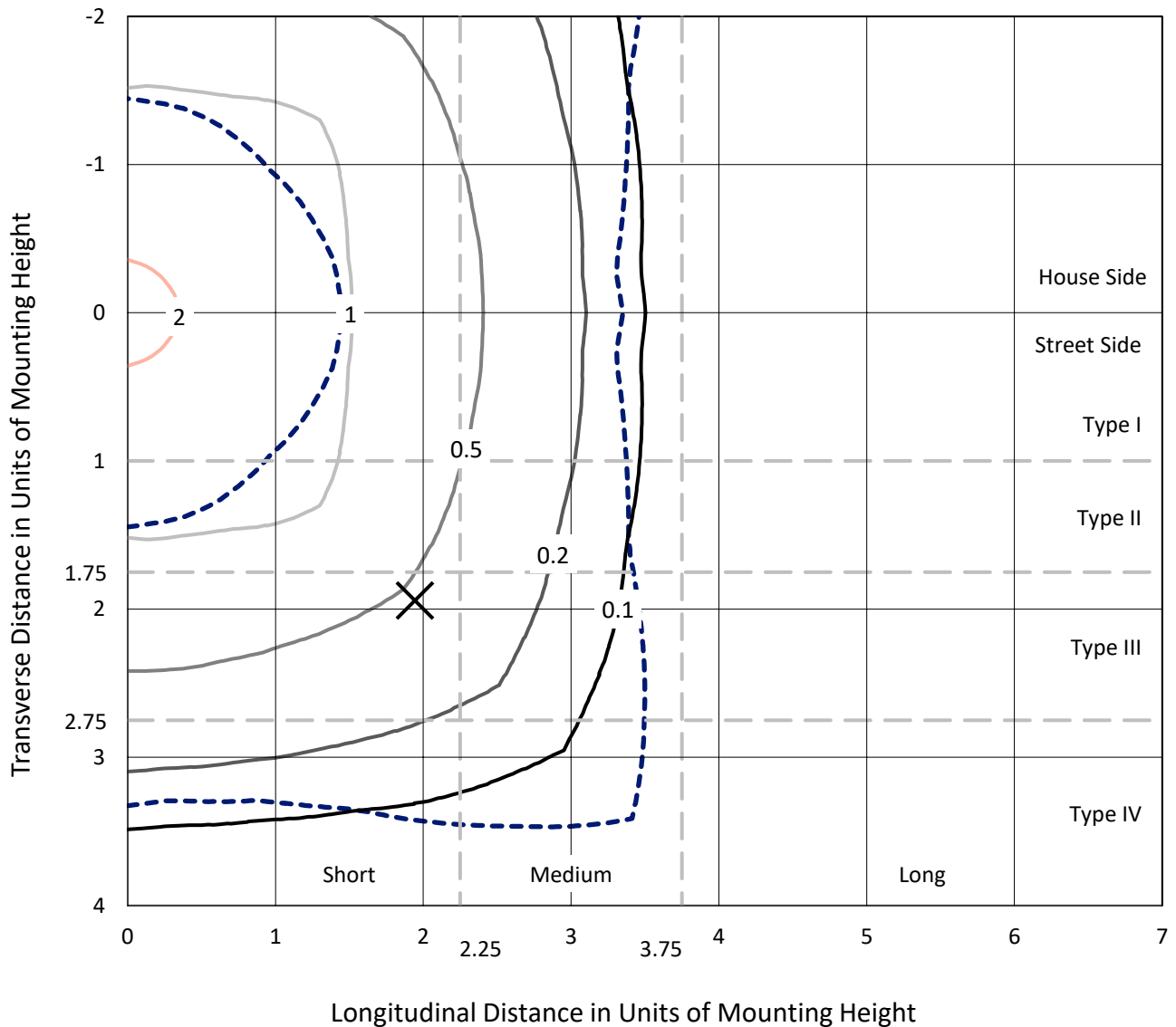
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

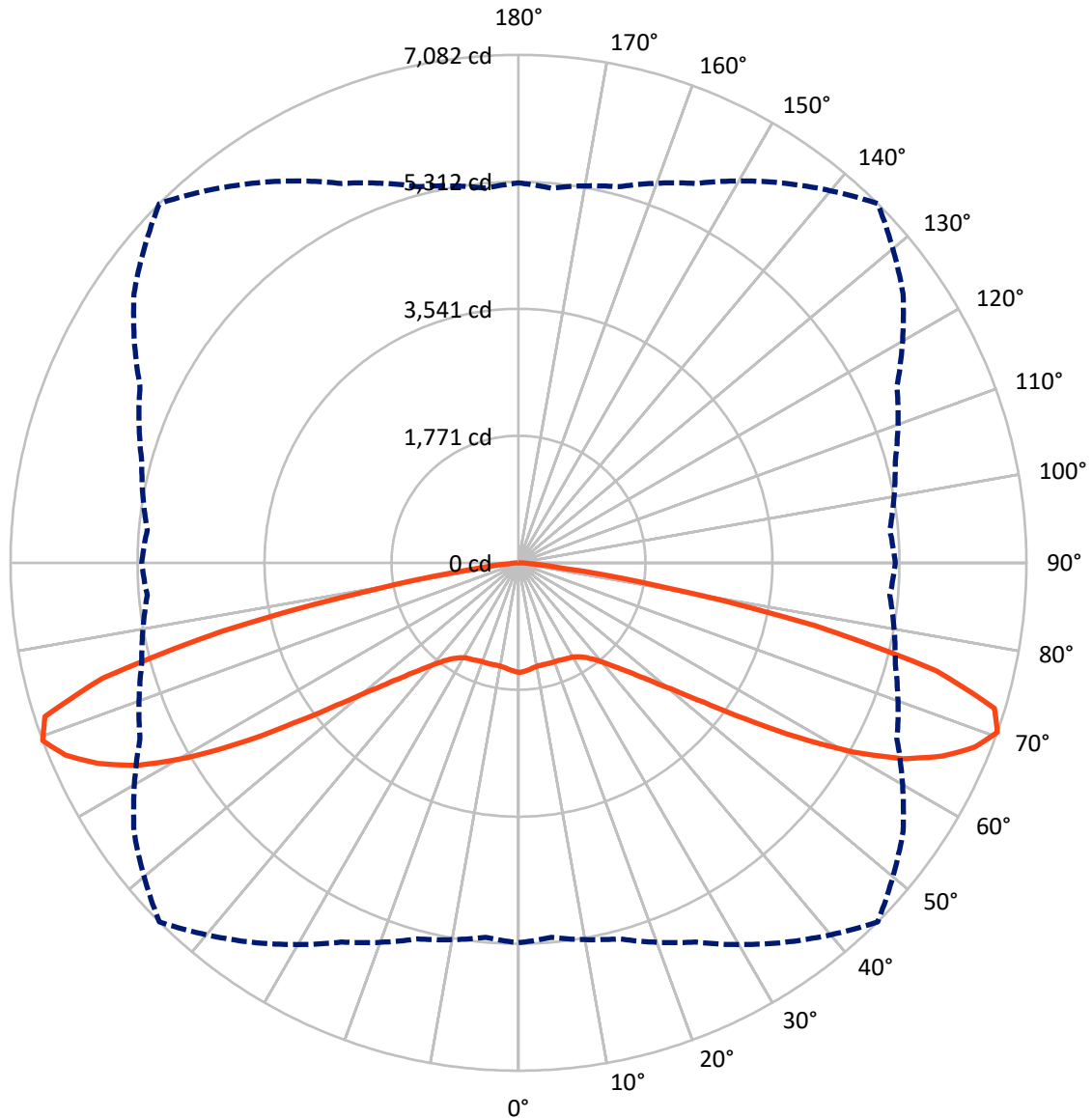
× Max cd
 - - - 1/2 Max cd



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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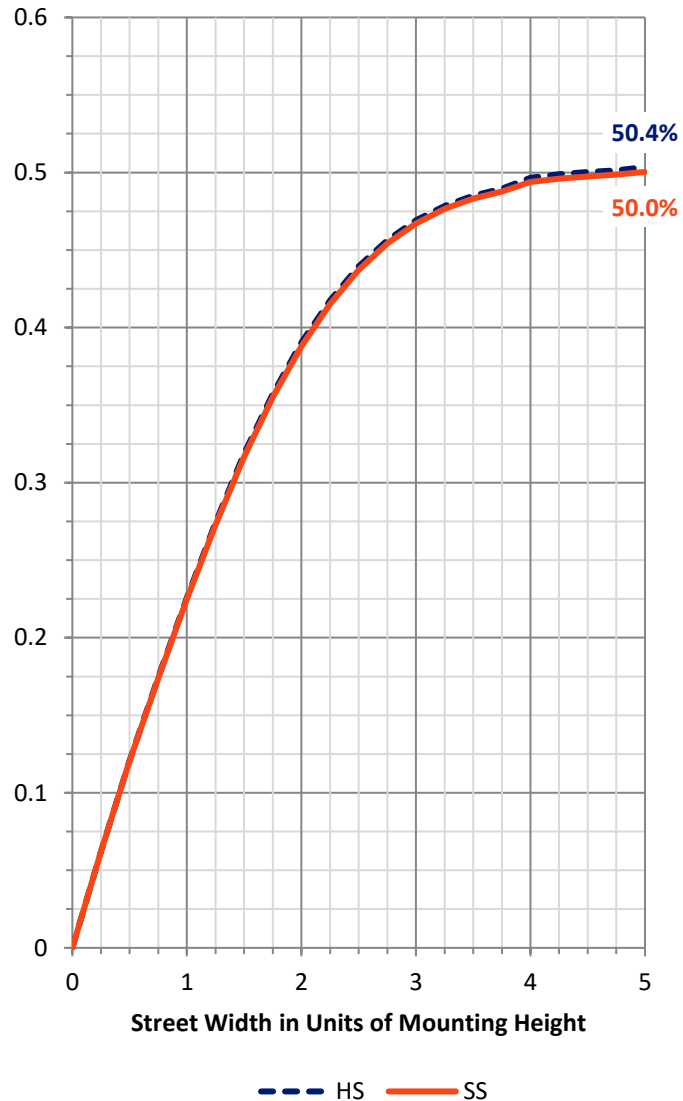
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8385.0	0.0	8385.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8385.0	0.0	8385.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16770.0	0.0	16770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	0.8
10°-20°	417.8	2.5
20°-30°	695.3	4.1
30°-40°	1051.6	6.3
40°-50°	1747.5	10.4
50°-60°	3297.4	19.7
60°-70°	5567.8	33.2
70°-80°	3658.6	21.8
80°-90°	191.7	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°	16770.0	100.0
0°-180°	16770.0	100.0

Coefficient of Utilization

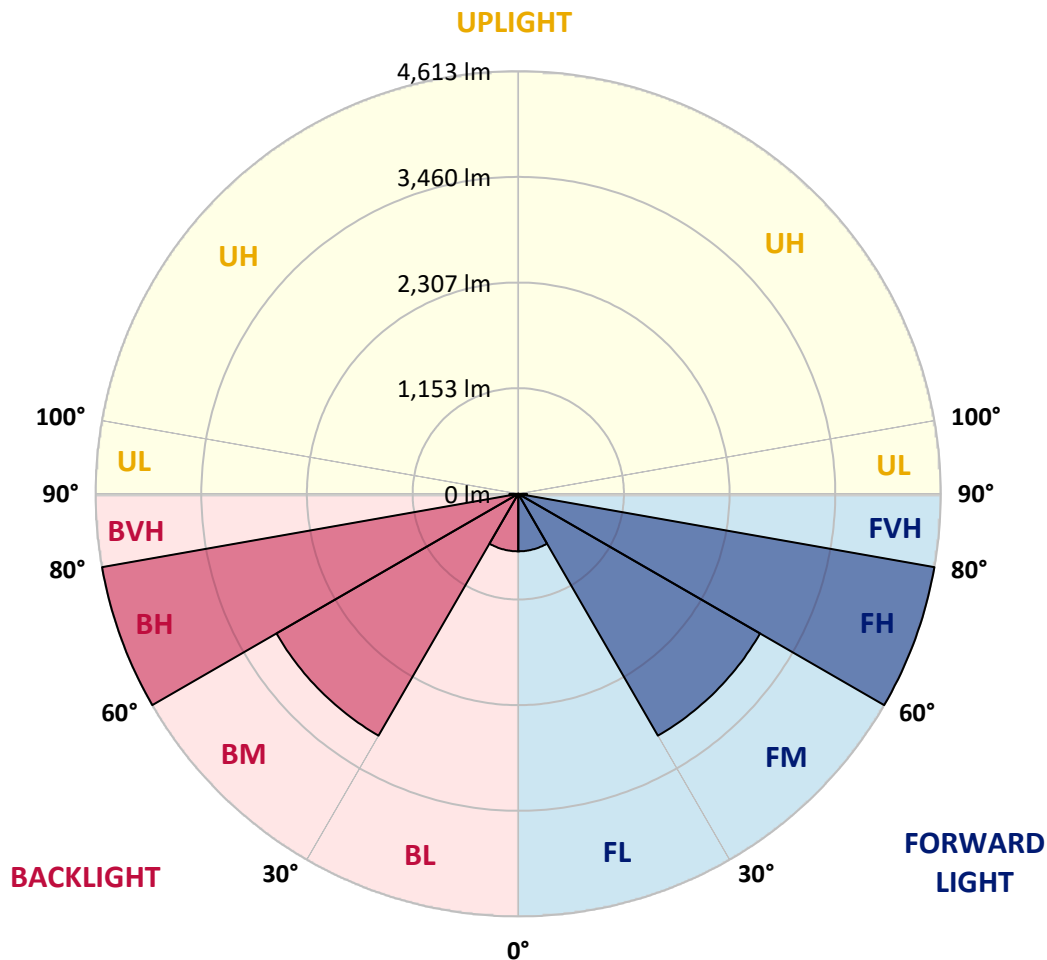


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.7	3.7			
FM (30°-60°)	3048.2	18.2			
FH (60°-80°)	4613.2	27.5			G2/5000
FVH (80°-90°)	95.8	0.6			G1/100
BL (0°-30°)	627.7	3.7	B2/1000		
BM (30°-60°)	3048.2	18.2	B3/5000		
BH (60°-80°)	4613.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	95.8	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°	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1520.2	1524.5	1522.8	1519.3	1519.3	1516.7	1519.3	1521.0	1523.7	1525.4
5°	1500.1	1503.6	1502.7	1500.1	1501.0	1498.4	1500.1	1502.7	1504.5	1505.4
7.5°	1482.7	1486.2	1484.4	1480.1	1480.1	1477.5	1478.3	1480.9	1483.6	1484.4
10°	1478.3	1481.8	1476.6	1469.6	1467.0	1463.5	1464.4	1467.0	1472.2	1474.8
12.5°	1480.1	1482.7	1477.5	1467.0	1464.4	1460.9	1460.9	1463.5	1470.5	1474.0
15°	1485.3	1487.9	1480.1	1468.7	1466.1	1463.5	1462.6	1466.1	1474.0	1480.1
17.5°	1494.9	1497.5	1485.3	1469.6	1466.1	1467.0	1466.1	1468.7	1480.9	1492.3
20°	1503.6	1505.4	1488.8	1469.6	1466.1	1467.0	1466.1	1471.4	1487.1	1502.7
22.5°	1506.2	1508.0	1492.3	1475.7	1473.1	1474.0	1473.1	1478.3	1493.2	1508.8
25°	1507.1	1509.7	1497.5	1484.4	1488.8	1490.5	1488.8	1489.7	1501.0	1514.9
27.5°	1520.2	1523.7	1512.3	1501.0	1503.6	1502.7	1505.4	1508.0	1516.7	1530.6
30°	1547.2	1549.8	1540.2	1528.9	1527.1	1521.0	1528.9	1537.6	1547.2	1559.4
32.5°	1591.6	1596.9	1584.7	1572.5	1564.6	1561.1	1567.2	1582.1	1595.1	1608.2
35°	1665.7	1669.2	1657.9	1635.2	1621.3	1621.3	1626.5	1645.7	1666.6	1683.2
37.5°	1770.3	1774.7	1754.6	1727.6	1706.7	1706.7	1713.7	1733.7	1765.1	1788.6
40°	1897.6	1903.7	1878.4	1850.5	1830.5	1827.0	1835.7	1858.4	1888.0	1917.6
42.5°	2051.0	2058.0	2024.9	2000.5	1984.8	1984.8	1989.1	2010.0	2037.1	2073.7
45°	2247.1	2259.3	2214.0	2189.6	2174.8	2178.3	2180.9	2199.2	2223.6	2265.4
47.5°	2480.7	2492.9	2445.0	2419.7	2417.1	2433.7	2423.2	2436.3	2449.4	2497.3
50°	2745.7	2766.6	2733.5	2731.8	2737.0	2767.5	2743.1	2750.1	2735.3	2765.8
52.5°	3070.0	3100.5	3094.4	3104.8	3163.3	3226.0	3170.2	3145.8	3090.0	3099.6
55°	3463.1	3509.3	3518.0	3580.8	3713.3	3841.4	3722.9	3624.4	3505.8	3484.0
57.5°	3910.3	3946.9	3988.7	4116.8	4364.4	4591.9	4364.4	4146.5	3959.9	3915.5
60°	4391.4	4436.7	4476.8	4666.0	5033.8	5353.7	5026.9	4680.8	4434.1	4374.0
62.5°	4908.3	4966.7	4994.6	5204.7	5633.5	6015.3	5639.6	5220.4	4946.7	4882.2
65°	5404.3	5452.2	5483.6	5707.6	6117.3	6500.0	6145.2	5732.0	5450.5	5365.9
67.5°	5635.3	5661.4	5738.1	5991.8	6424.1	6860.8	6497.3	6018.8	5704.1	5556.0
70°	5297.1	5243.9	5428.7	5834.9	6460.7	7082.2	6544.4	5822.7	5437.4	5196.8
72.5°	4093.3	4001.8	4322.6	5017.3	6042.3	6941.0	6084.2	5056.5	4522.2	4034.0
75°	2227.1	2123.4	2566.2	3444.8	4818.5	6016.2	4929.2	3543.3	2857.3	2210.5
77.5°	628.5	589.2	946.6	1666.6	2898.3	4224.1	3009.8	1703.2	1122.7	665.9
80°	192.6	186.5	252.8	502.1	1230.8	2023.1	1182.8	508.2	321.6	203.1
82.5°	114.2	104.6	125.5	183.0	313.8	635.4	305.1	190.9	153.4	102.9
85°	65.4	61.0	74.1	88.9	105.5	135.1	88.0	90.7	81.9	54.9
87.5°	27.0	24.4	28.8	27.9	24.4	31.4	23.5	27.9	33.1	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1529.8
1524.5
1505.4
1484.4
1474.8
1474.8
1480.9
1492.3
1503.6
1508.8
1514.1
1527.1
1556.8
1603.0
1677.1
1779.9
1908.1
2071.1
2263.7
2483.4
2747.5
3067.4
3450.0
3884.1
4321.7
4829.9
5324.1
5557.7
5254.4
4155.2
2354.4
740.0
214.4
111.6
57.5
20.0
0.0

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