

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: P846474

Luminaire Tested: **GLAN-SB2A-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7892 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

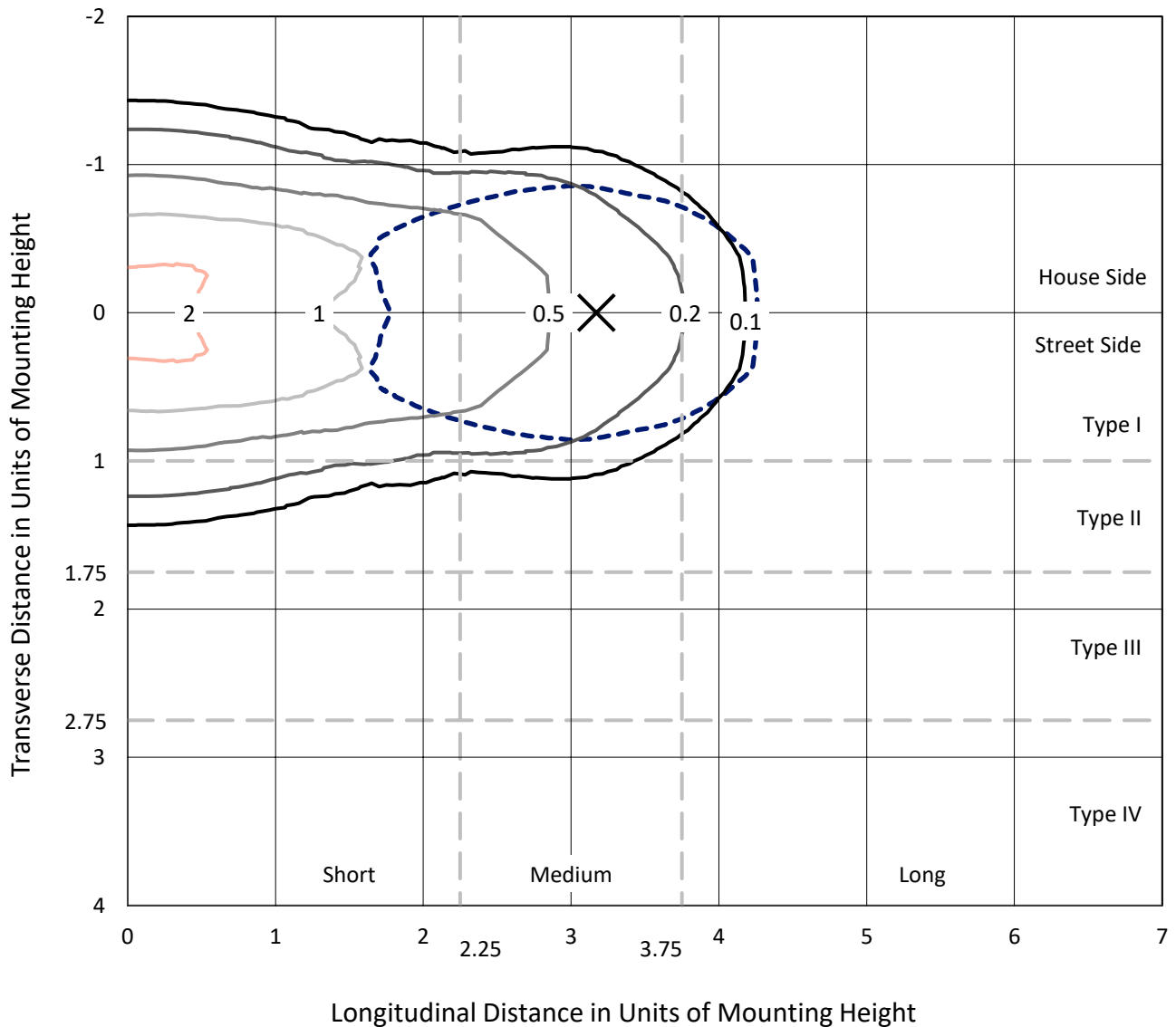
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

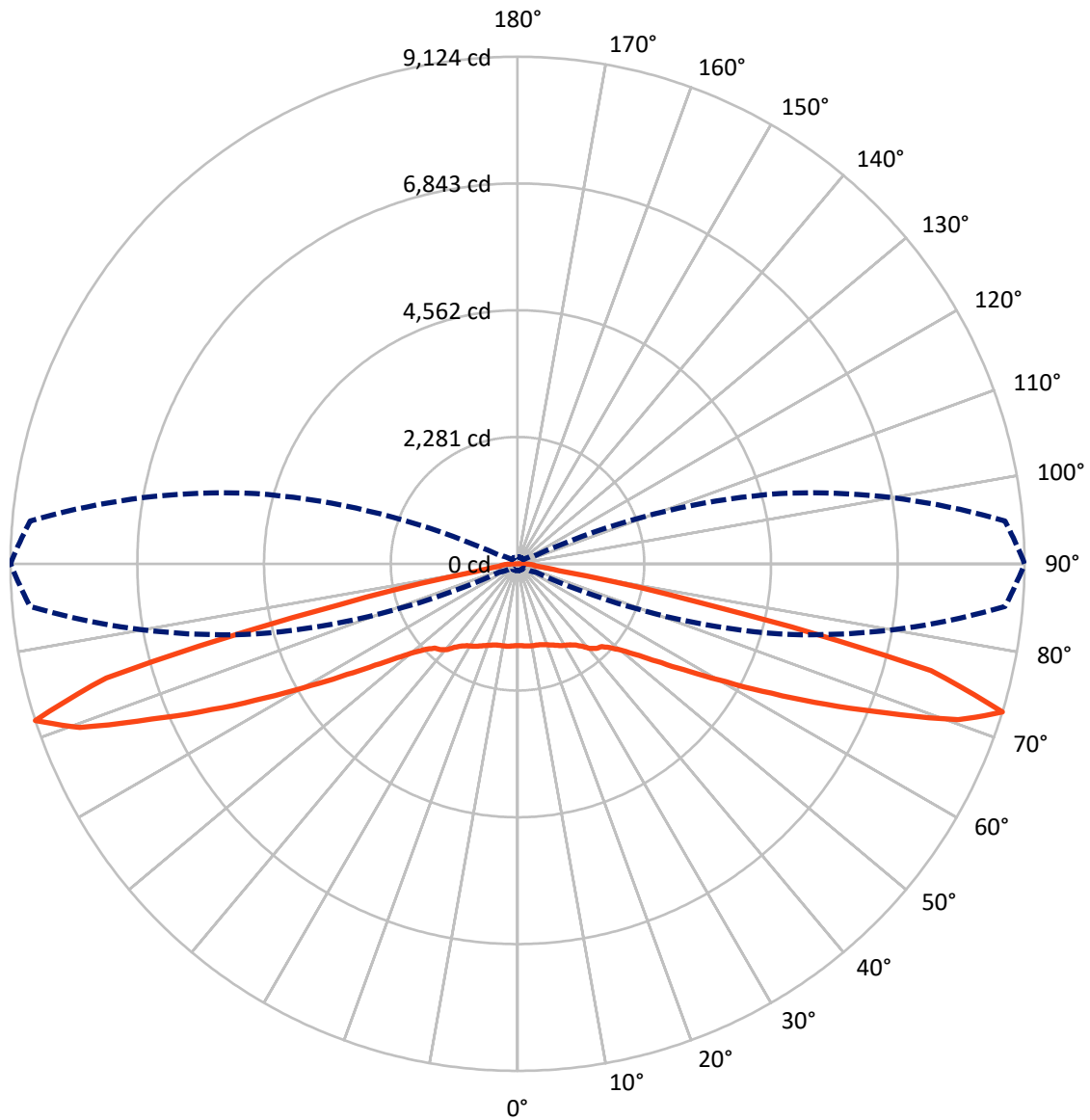
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3946.0	0.0	3946.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3946.0	0.0	3946.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7892.0	0.0	7892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	1.8
10°-20°	437.2	5.5
20°-30°	729.0	9.2
30°-40°	1002.6	12.7
40°-50°	1224.5	15.5
50°-60°	1416.2	17.9
60°-70°	1688.6	21.4
70°-80°	1178.5	14.9
80°-90°	72.4	0.9
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°	7892.0	100.0
0°-180°	7892.0	100.0

Coefficient of Utilization



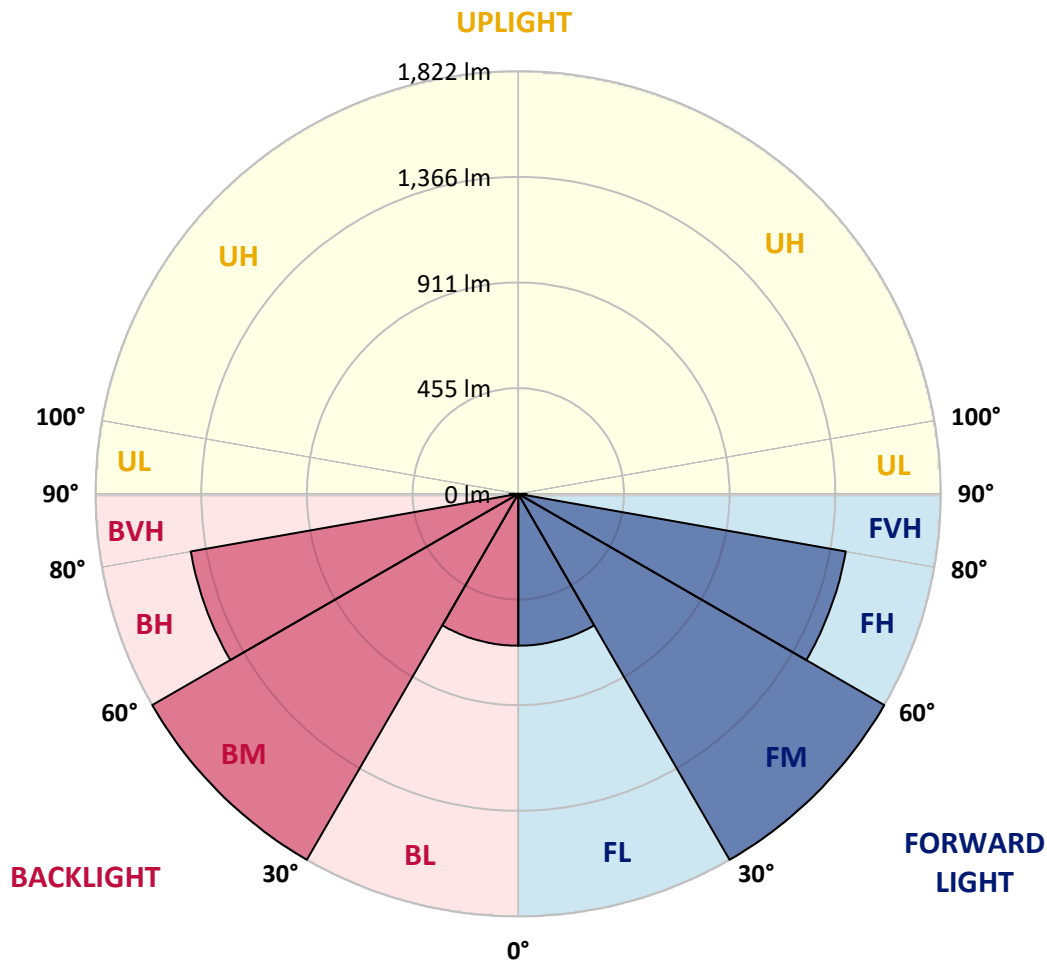
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.6	8.3			
FM (30°-60°)	1821.6	23.1			
FH (60°-80°)	1433.6	18.2			G1/1800
FVH (80°-90°)	36.2	0.5			G1/100
BL (0°-30°)	654.6	8.3	B2/1000		
BM (30°-60°)	1821.6	23.1	B2/2500		
BH (60°-80°)	1433.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	36.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1474.7	1474.7	1474.7	1474.7	1474.7	1474.7	1474.7	1474.7	1474.7	1474.7
2.5°	1476.0	1477.6	1477.6	1476.4	1479.3	1476.8	1476.8	1475.5	1476.8	1475.5
5°	1483.5	1485.6	1486.4	1486.0	1489.8	1487.7	1487.7	1486.0	1486.4	1485.2
7.5°	1497.8	1500.7	1502.4	1504.5	1509.9	1507.4	1505.7	1500.7	1498.6	1495.3
10°	1502.4	1505.7	1511.2	1522.1	1534.7	1535.1	1530.1	1517.5	1507.8	1500.3
12.5°	1488.1	1492.7	1504.1	1526.3	1554.4	1565.7	1557.7	1536.8	1517.9	1504.5
15°	1470.1	1475.1	1492.3	1525.9	1567.4	1593.8	1593.0	1565.3	1535.1	1514.1
17.5°	1442.0	1447.0	1471.8	1518.7	1577.5	1621.1	1632.8	1604.3	1561.9	1533.8
20°	1391.2	1395.9	1430.2	1496.1	1580.8	1650.0	1680.6	1655.5	1602.6	1564.5
22.5°	1325.4	1332.5	1372.8	1457.1	1572.8	1680.2	1735.2	1718.0	1650.0	1597.2
25°	1254.9	1262.5	1309.4	1409.3	1552.3	1702.0	1799.8	1788.9	1703.7	1637.9
27.5°	1194.1	1202.1	1253.2	1361.9	1520.4	1710.4	1863.5	1869.0	1768.7	1682.7
30°	1146.3	1153.8	1208.4	1323.7	1479.3	1702.0	1919.3	1957.0	1835.0	1721.7
32.5°	1093.9	1103.5	1161.0	1277.2	1430.7	1681.9	1967.9	2052.3	1911.7	1763.7
35°	1027.6	1036.4	1096.8	1213.4	1366.9	1649.6	2008.6	2157.9	2021.6	1827.4
37.5°	947.1	955.5	1015.4	1133.7	1303.6	1604.3	2039.7	2277.1	2152.5	1919.3
40°	866.1	874.1	930.3	1044.8	1227.7	1546.4	2050.6	2393.7	2302.7	2045.5
42.5°	791.9	799.0	850.6	957.1	1142.5	1472.6	2036.3	2495.2	2437.3	2133.6
45°	723.5	729.8	775.5	874.9	1054.0	1382.8	1993.5	2604.2	2597.5	2196.5
47.5°	645.5	651.8	699.2	795.2	965.5	1277.6	1921.0	2711.6	2820.2	2339.1
50°	550.3	555.7	604.4	703.4	873.7	1165.6	1820.3	2795.9	3101.2	2555.1
52.5°	437.5	443.3	490.7	589.7	764.6	1045.2	1687.8	2850.8	3425.9	2870.6
55°	325.5	329.7	370.8	459.7	629.6	908.1	1521.7	2866.4	3794.1	3301.7
57.5°	236.1	238.7	265.1	331.3	477.3	736.5	1319.9	2826.1	4232.4	3854.5
60°	191.3	192.1	200.1	229.4	331.8	542.7	1076.2	2687.7	4708.1	4567.1
62.5°	173.6	173.6	175.7	183.7	224.4	358.2	781.4	2400.8	5218.1	5467.6
65°	161.5	161.5	162.3	166.1	177.0	228.2	493.2	1933.6	5648.0	6522.5
67.5°	150.6	151.0	150.6	151.8	158.1	168.6	286.0	1335.5	5879.5	7615.5
70°	139.2	140.1	138.0	138.0	143.0	143.4	179.1	732.3	5687.4	8531.6
72.5°	125.8	127.1	123.7	122.9	126.7	125.0	134.6	351.5	4883.0	8805.0
75°	114.1	115.8	108.2	106.1	106.1	104.9	109.5	180.4	3169.2	7182.7
77.5°	103.6	107.0	94.8	88.1	86.4	82.6	89.3	110.3	1386.2	3372.2
80°	85.6	90.2	78.0	70.0	67.1	62.9	70.5	77.2	412.3	783.1
82.5°	63.8	65.8	55.4	49.9	47.4	44.5	52.8	53.7	134.2	277.2
85°	40.7	41.5	34.0	29.4	28.1	26.8	33.6	29.4	51.2	203.8
87.5°	14.3	16.4	13.0	11.7	12.6	10.5	15.5	8.8	14.3	143.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1474.7
1475.5
1485.2
1495.3
1499.0
1502.4
1510.8
1529.2
1557.3
1587.5
1624.4
1668.5
1701.2
1737.7
1798.5
1880.7
2004.4
2080.8
2125.2
2256.9
2452.0
2743.5
3142.8
3654.5
4315.1
5130.0
6095.5
7154.6
8410.3
9123.8
7682.6
3302.1
749.9
313.3
296.1
178.3
0.0

OF REPORT)