

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: P846304

Luminaire Tested: **GLAN-SB1D-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846304
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-SB1D-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8955 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

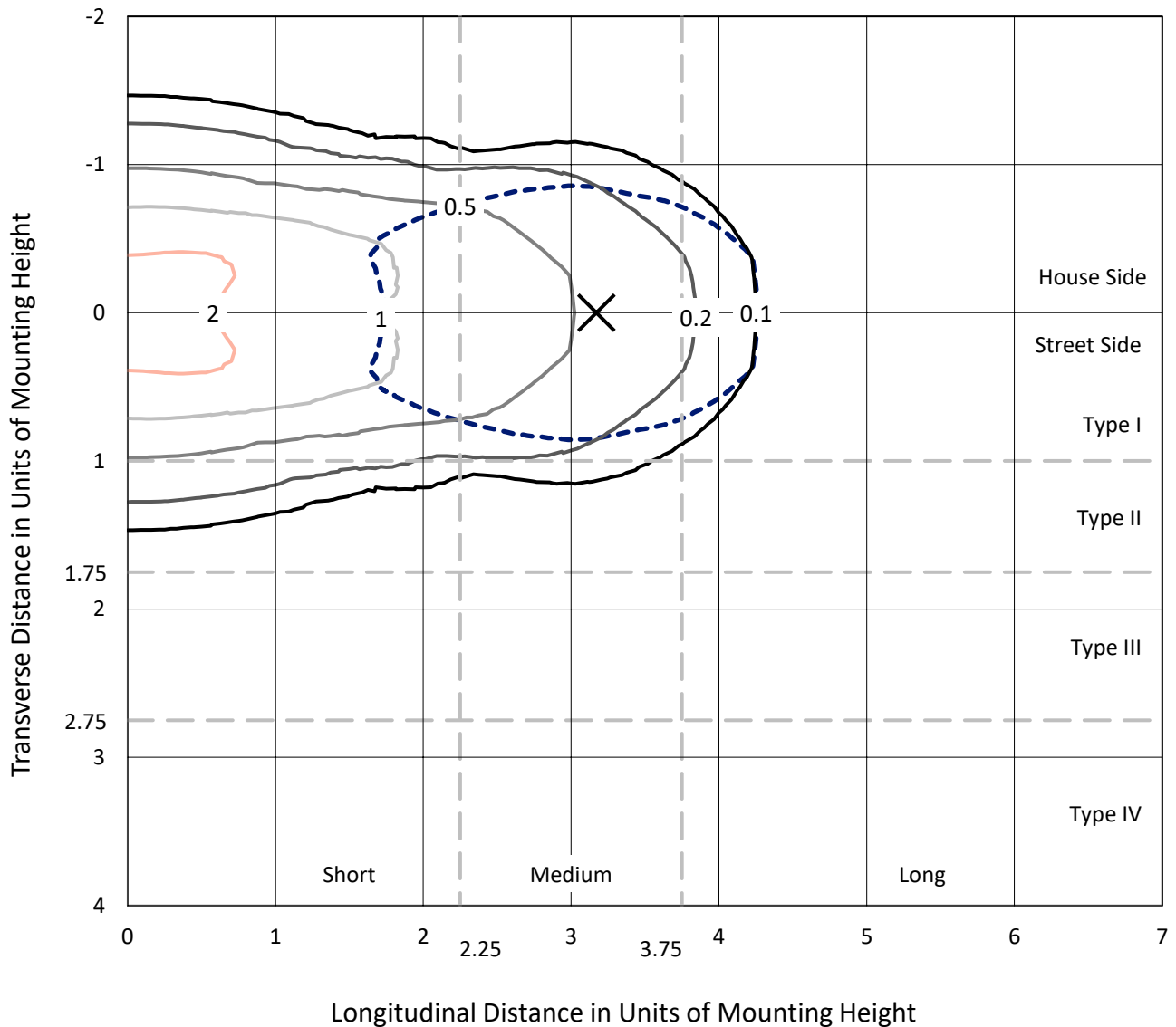
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

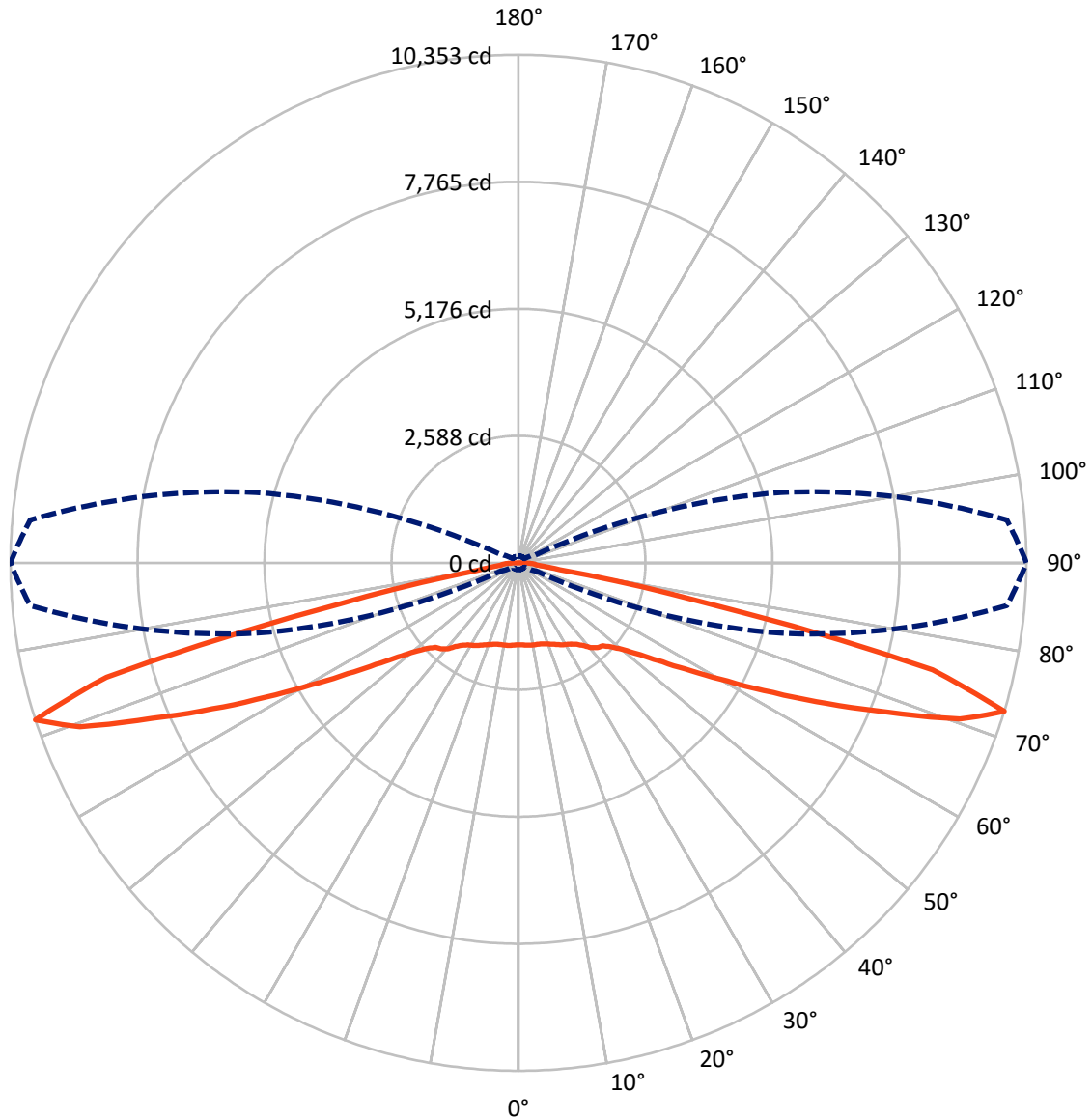
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type 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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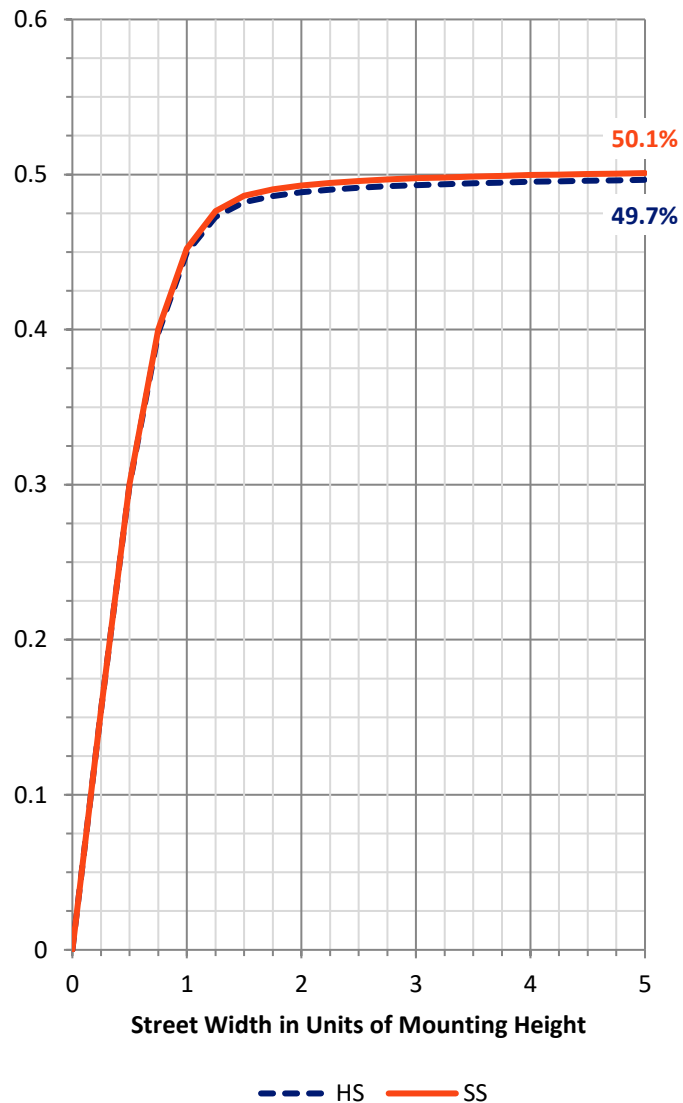
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4477.5	0.0	4477.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4477.5	0.0	4477.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8955.0	0.0	8955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.8
10°-20°	496.1	5.5
20°-30°	827.2	9.2
30°-40°	1137.6	12.7
40°-50°	1389.4	15.5
50°-60°	1607.0	17.9
60°-70°	1916.0	21.4
70°-80°	1337.3	14.9
80°-90°	82.1	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°	8955.0	100.0
0°-180°	8955.0	100.0

Coefficient of Utilization



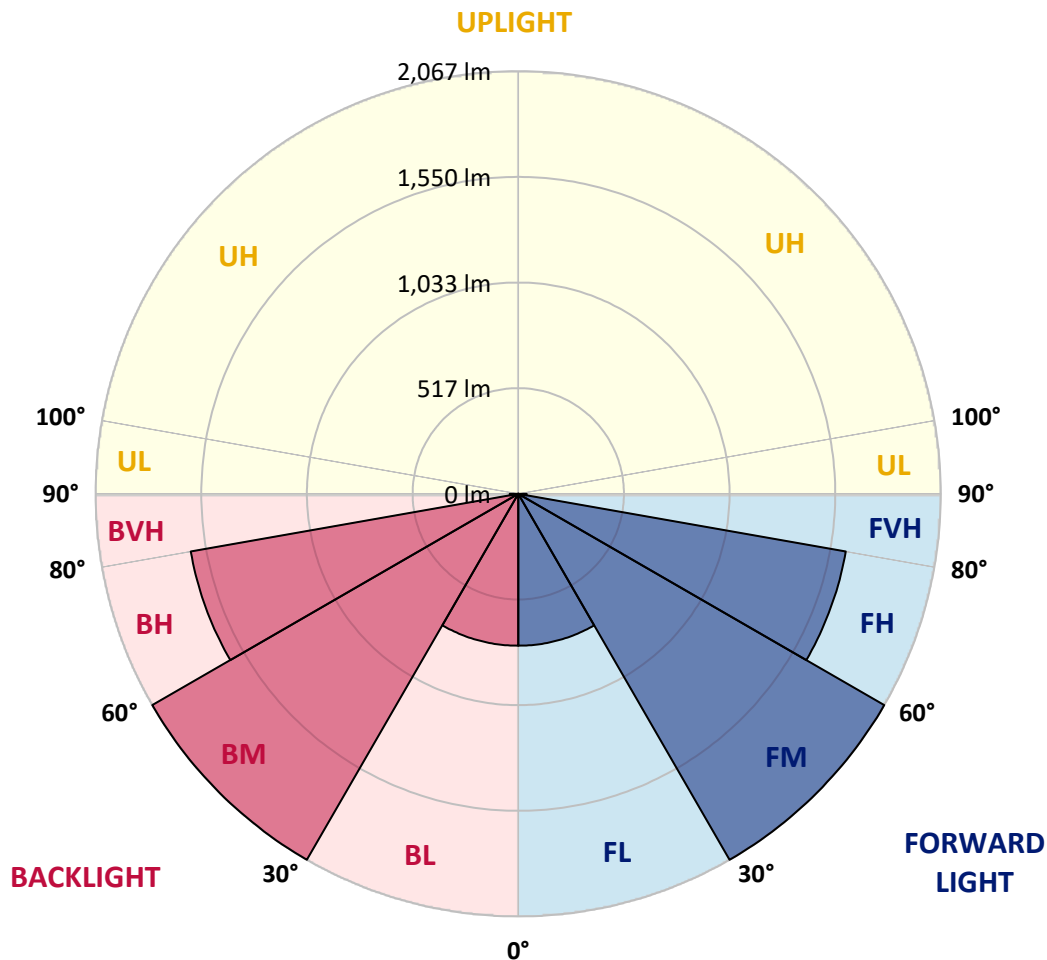
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	742.8	8.3			
FM (30°-60°)	2067.0	23.1			
FH (60°-80°)	1626.7	18.2			G1/1800
FVH (80°-90°)	41.1	0.5			G1/100
BL (0°-30°)	742.8	8.3	B2/1000		
BM (30°-60°)	2067.0	23.1	B2/2500		
BH (60°-80°)	1626.7	18.2	B3/2500		G3/2500
BVH (80°-90°)	41.1	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°	1673.3	1673.3	1673.3	1673.3	1673.3	1673.3	1673.3	1673.3	1673.3	1673.3
2.5°	1674.8	1676.7	1676.7	1675.2	1678.6	1675.7	1675.7	1674.3	1675.7	1674.3
5°	1683.3	1685.7	1686.7	1686.2	1690.5	1688.1	1688.1	1686.2	1686.7	1685.2
7.5°	1699.5	1702.8	1704.7	1707.1	1713.3	1710.5	1708.6	1702.8	1700.5	1696.7
10°	1704.7	1708.6	1714.7	1727.1	1741.4	1741.9	1736.2	1721.9	1710.9	1702.4
12.5°	1688.6	1693.8	1706.7	1731.9	1763.8	1776.6	1767.6	1743.8	1722.4	1707.1
15°	1668.1	1673.8	1693.3	1731.4	1778.5	1808.5	1807.5	1776.1	1741.9	1718.1
17.5°	1636.2	1641.9	1670.0	1723.3	1789.9	1839.4	1852.8	1820.4	1772.3	1740.4
20°	1578.6	1583.9	1622.9	1697.6	1793.7	1872.3	1907.0	1878.5	1818.5	1775.2
22.5°	1503.9	1512.0	1557.7	1653.3	1784.7	1906.5	1968.9	1949.4	1872.3	1812.3
25°	1424.0	1432.5	1485.8	1599.1	1761.4	1931.3	2042.2	2029.8	1933.2	1858.5
27.5°	1354.9	1364.0	1422.1	1545.3	1725.2	1940.8	2114.5	2120.7	2007.0	1909.4
30°	1300.7	1309.3	1371.1	1502.0	1678.6	1931.3	2177.8	2220.6	2082.2	1953.7
32.5°	1241.2	1252.1	1317.3	1449.2	1623.4	1908.4	2233.0	2328.7	2169.2	2001.2
35°	1166.0	1176.0	1244.5	1376.8	1551.0	1871.8	2279.2	2448.6	2293.9	2073.6
37.5°	1074.6	1084.1	1152.2	1286.4	1479.2	1820.4	2314.4	2583.8	2442.4	2177.8
40°	982.8	991.8	1055.6	1185.5	1393.0	1754.7	2326.8	2716.1	2612.8	2321.1
42.5°	898.5	906.6	965.2	1086.1	1296.4	1671.0	2310.6	2831.3	2765.6	2421.0
45°	821.0	828.1	880.0	992.8	1196.0	1569.1	2262.0	2955.0	2947.4	2492.4
47.5°	732.4	739.6	793.4	902.3	1095.6	1449.7	2179.7	3076.8	3200.1	2654.2
50°	624.4	630.6	685.8	798.1	991.3	1322.6	2065.5	3172.5	3519.0	2899.3
52.5°	496.4	503.0	556.8	669.1	867.6	1186.0	1915.1	3234.8	3887.3	3257.2
55°	369.3	374.1	420.7	521.6	714.4	1030.4	1726.6	3252.4	4305.2	3746.4
57.5°	267.9	270.8	300.8	376.0	541.6	835.7	1497.7	3206.8	4802.5	4373.7
60°	217.0	218.0	227.0	260.3	376.5	615.8	1221.2	3049.7	5342.2	5182.3
62.5°	197.0	197.0	199.4	208.5	254.6	406.4	886.6	2724.2	5920.9	6204.1
65°	183.2	183.2	184.2	188.5	200.8	258.9	559.7	2194.0	6408.7	7401.0
67.5°	170.9	171.3	170.9	172.3	179.4	191.3	324.6	1515.3	6671.5	8641.3
70°	158.0	159.0	156.6	156.6	162.3	162.8	203.2	831.0	6453.5	9680.7
72.5°	142.8	144.2	140.4	139.4	143.7	141.8	152.8	398.8	5540.7	9991.0
75°	129.5	131.4	122.8	120.4	120.4	119.0	124.2	204.6	3596.1	8150.1
77.5°	117.6	121.4	107.6	99.9	98.0	93.8	101.4	125.2	1572.9	3826.4
80°	97.1	102.3	88.5	79.5	76.1	71.4	80.0	87.6	467.8	888.5
82.5°	72.3	74.7	62.8	56.6	53.8	50.4	60.0	60.9	152.3	314.6
85°	46.2	47.1	38.5	33.3	31.9	30.5	38.1	33.3	58.1	231.3
87.5°	16.2	18.6	14.8	13.3	14.3	11.9	17.6	10.0	16.2	163.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1673.3
1674.3
1685.2
1696.7
1700.9
1704.7
1714.3
1735.2
1767.1
1801.4
1843.2
1893.2
1930.3
1971.7
2040.7
2134.0
2274.4
2361.0
2411.5
2560.9
2782.2
3113.0
3566.1
4146.7
4896.3
5821.0
6916.6
8118.3
9543.2
10352.7
8717.4
3746.9
850.9
355.5
336.0
202.3
0.0

OF REPORT)