

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: P852109

Luminaire Tested: **GLAN-SB1B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

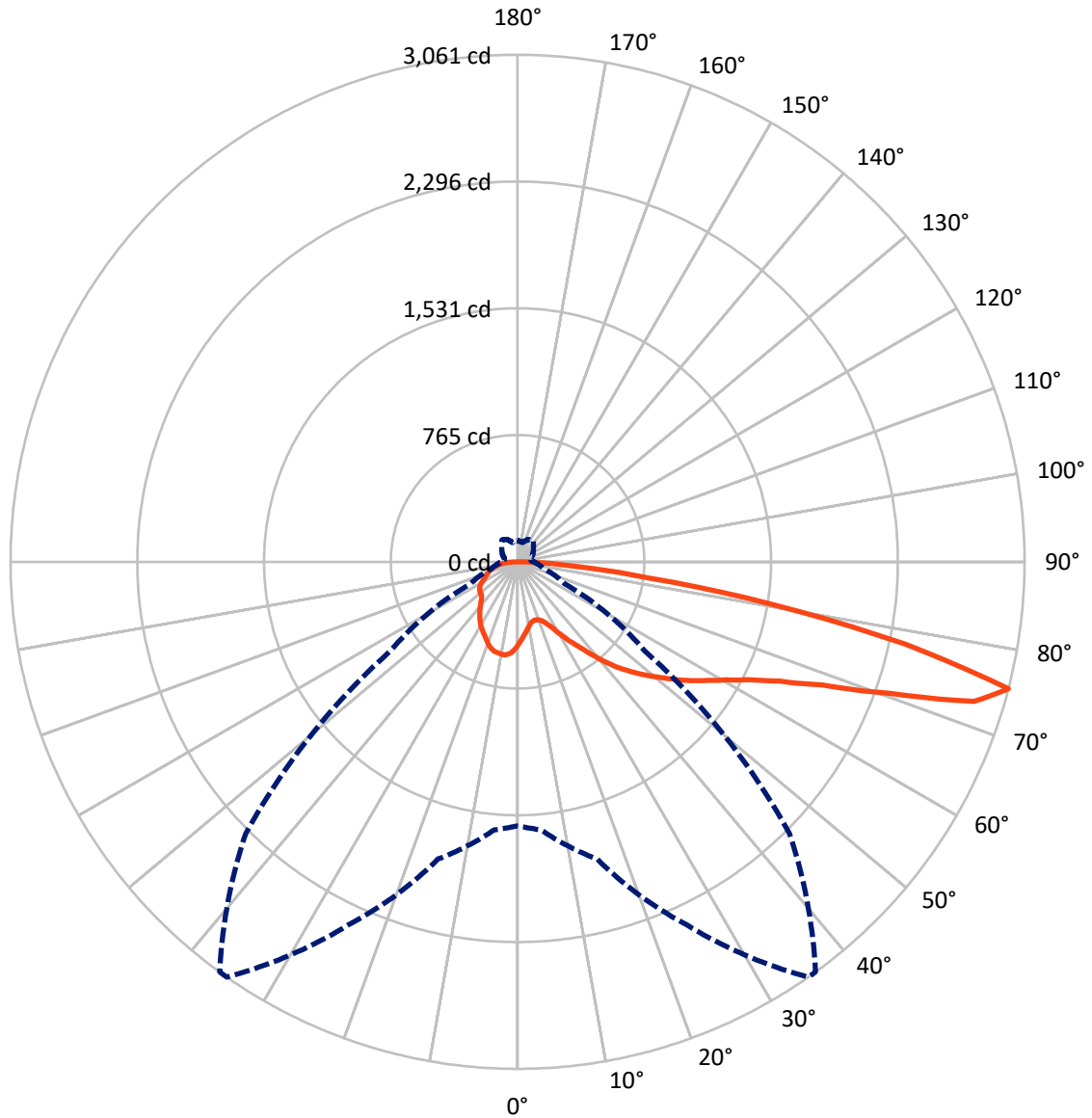
Lumens per Lamp: N/A
Luminaire Lumens: 3756 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	893.8	0.0	893.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	2862.2	0.0	2862.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	3756.0	0.0	3756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.3
10°-20°	136.7	3.6
20°-30°	229.5	6.1
30°-40°	356.7	9.5
40°-50°	529.5	14.1
50°-60°	731.0	19.5
60°-70°	886.9	23.6
70°-80°	732.9	19.5
80°-90°	105.4	2.8
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°	3756.0	100.0
0°-180°	3756.0	100.0

Coefficient of Utilization



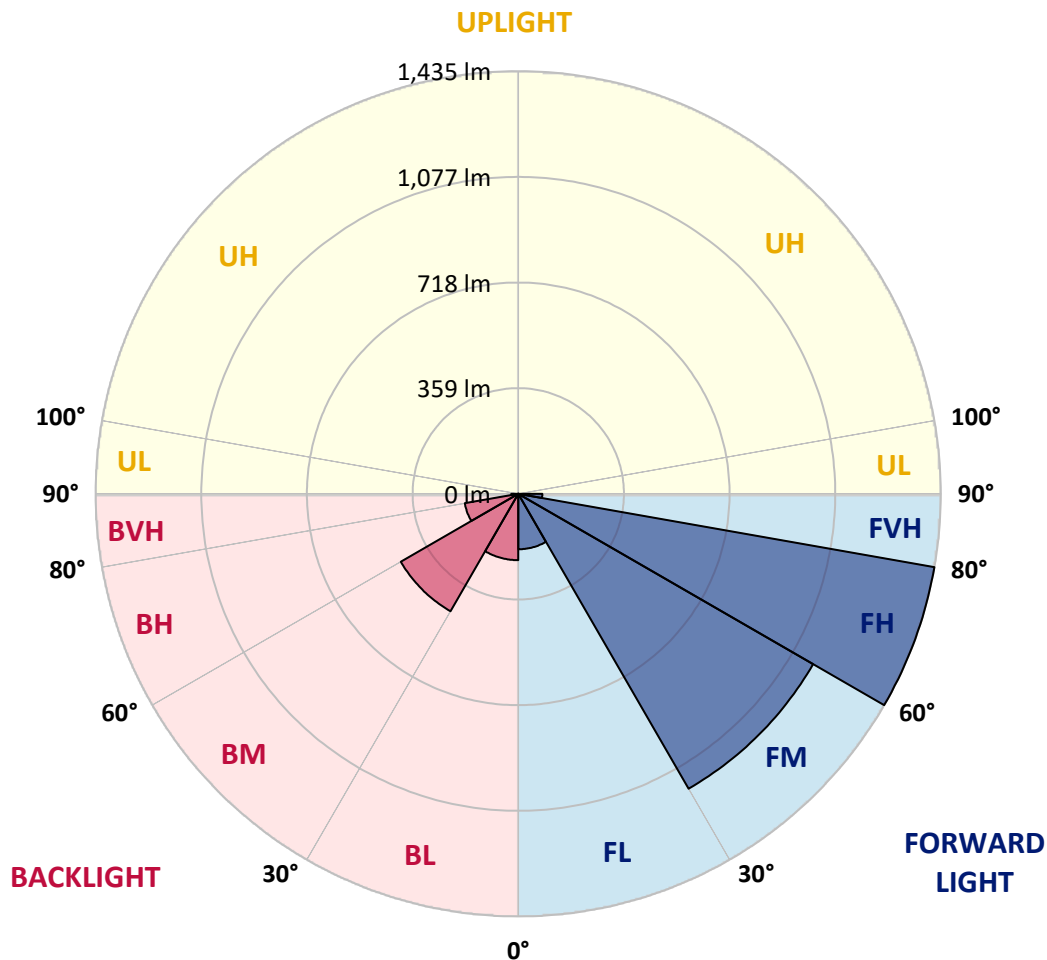
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.4	5.0			
FM (30°-60°)	1156.6	30.8			
FH (60°-80°)	1435.5	38.2			G1/1800
FVH (80°-90°)	81.7	2.2			G1/100
BL (0°-30°)	225.3	6.0	B1/500		
BM (30°-60°)	460.6	12.3	B1/1000		
BH (60°-80°)	184.3	4.9	B1/500		G1/500
BVH (80°-90°)	23.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
2.5°	461.5	464.4	465.6	465.0	468.0	467.6	471.9	477.2	484.5	491.6
5°	426.0	429.0	431.7	434.1	440.0	441.8	448.5	458.7	472.1	485.7
7.5°	392.9	395.5	399.6	404.1	414.0	415.8	427.0	442.8	461.5	481.4
10°	365.9	368.5	372.8	377.9	390.3	392.5	406.7	427.8	452.2	477.4
12.5°	354.3	355.1	357.6	362.6	373.4	374.8	390.5	414.6	443.0	474.3
15°	353.7	355.3	355.5	358.2	367.1	367.7	382.1	406.1	437.4	473.7
17.5°	359.8	361.0	359.2	360.8	368.3	369.3	380.7	402.0	435.5	476.3
20°	376.0	377.1	371.6	369.3	374.8	375.6	386.8	404.7	437.4	481.8
22.5°	410.6	411.2	397.8	388.6	389.0	389.4	399.2	415.4	444.5	491.8
25°	464.4	464.0	442.6	425.0	414.8	412.6	419.1	432.9	456.5	505.0
27.5°	527.3	524.3	502.9	476.6	454.4	451.2	449.8	455.6	473.5	522.4
30°	598.4	595.5	572.6	538.1	507.4	502.1	488.7	485.7	498.9	546.2
32.5°	676.4	674.5	647.1	605.3	564.3	558.2	535.6	527.5	537.9	582.1
35°	741.7	740.1	717.4	674.3	624.2	616.7	593.7	584.6	589.9	628.2
37.5°	800.8	800.0	780.5	746.6	694.8	685.7	659.9	656.9	655.8	688.9
40°	855.6	853.6	833.3	815.4	777.1	768.7	746.0	743.4	735.6	763.7
42.5°	916.4	911.1	881.6	873.3	863.0	856.0	842.4	842.9	825.8	847.9
45°	965.9	962.9	932.6	927.7	938.9	936.0	947.8	950.9	917.8	936.3
47.5°	1019.1	1016.3	990.7	987.2	1017.5	1018.3	1059.9	1060.9	1007.5	1028.0
50°	1084.7	1080.6	1055.2	1059.5	1093.4	1096.5	1172.6	1165.7	1090.2	1121.2
52.5°	1127.9	1130.4	1124.9	1131.8	1178.1	1180.9	1283.5	1265.8	1172.0	1213.2
55°	1159.8	1164.7	1181.7	1197.6	1267.4	1270.3	1388.0	1361.0	1239.8	1298.5
57.5°	1200.8	1193.9	1225.8	1256.7	1352.3	1359.8	1489.8	1452.8	1299.9	1372.0
60°	1259.7	1254.8	1279.6	1325.3	1447.3	1459.3	1597.4	1535.4	1344.0	1430.3
62.5°	1379.1	1366.9	1370.8	1411.2	1567.1	1583.0	1718.8	1607.5	1365.9	1453.0
65°	1557.6	1536.7	1517.2	1545.2	1735.9	1751.5	1855.9	1664.2	1357.8	1408.9
67.5°	1782.4	1761.6	1737.7	1764.1	1984.4	1996.8	2025.0	1696.1	1293.8	1239.2
70°	1967.7	1960.0	1988.6	2097.3	2381.3	2381.7	2241.8	1669.7	1118.6	878.6
72.5°	1943.2	1938.5	2089.4	2425.2	2881.7	2870.9	2447.1	1469.9	753.5	396.3
75°	1594.1	1624.4	1858.1	2419.3	3061.3	3059.9	2321.4	934.4	311.7	164.3
77.5°	854.8	902.7	1206.3	1786.2	2389.9	2425.8	1632.1	326.9	133.8	105.2
80°	278.8	320.6	480.8	909.5	1552.9	1546.2	699.5	128.3	91.6	74.5
82.5°	118.4	123.2	214.8	429.4	797.0	784.6	222.7	73.7	64.4	51.0
85°	46.3	51.8	94.8	198.6	345.2	337.7	80.4	36.5	41.2	33.3
87.5°	15.2	18.5	33.9	68.0	107.4	103.6	19.7	12.6	17.9	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
500.5	0°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
501.9	2.5°	504.8	508.0	511.9	517.6	522.4	526.5	530.8	533.4	534.4
502.7	5°	508.4	515.5	525.1	534.4	543.6	549.0	553.9	556.4	558.6
505.0	7.5°	514.5	523.7	538.7	550.9	558.6	563.1	566.3	565.5	566.3
507.4	10°	519.8	532.6	550.5	562.0	567.9	568.1	567.3	564.5	563.1
511.1	12.5°	526.1	540.3	559.6	569.3	571.0	566.5	563.1	558.2	556.4
516.6	15°	534.6	550.9	569.5	573.2	569.1	563.5	557.6	549.6	545.6
525.9	17.5°	545.0	562.8	577.3	574.6	565.9	556.6	547.0	535.0	526.7
538.7	20°	559.4	575.4	583.2	571.6	558.4	544.2	527.9	513.3	505.6
554.9	22.5°	576.9	592.3	588.8	566.3	547.6	524.9	504.6	493.8	490.0
575.8	25°	597.8	611.0	592.9	558.6	530.0	499.3	483.7	480.2	478.4
601.4	27.5°	625.0	632.1	595.9	547.2	502.3	472.1	466.4	467.0	466.4
637.0	30°	660.9	659.5	598.8	528.7	470.7	447.5	447.9	450.6	451.0
686.5	32.5°	708.2	693.8	600.2	504.8	440.4	426.0	426.4	429.2	431.3
751.3	35°	765.5	733.8	598.0	474.7	417.1	405.5	402.4	403.3	403.9
829.9	37.5°	832.3	778.7	588.0	441.4	397.8	385.4	378.9	373.4	370.2
918.8	40°	905.6	827.6	569.8	408.9	376.2	364.1	354.3	344.0	333.0
1013.0	42.5°	982.3	878.0	547.6	377.9	351.5	341.5	331.2	316.1	299.7
1110.9	45°	1061.9	929.6	525.9	347.2	326.1	321.8	309.9	291.8	273.9
1208.9	47.5°	1139.9	978.3	494.0	316.3	302.3	307.0	297.7	281.0	261.1
1306.2	50°	1214.4	1024.0	441.8	285.1	283.0	302.5	293.6	269.6	246.9
1401.6	52.5°	1288.3	1060.9	375.0	256.7	272.7	301.3	288.3	261.9	234.1
1491.4	55°	1351.1	1080.0	310.7	232.3	257.7	291.0	282.0	252.8	216.0
1552.9	57.5°	1386.8	1064.6	257.1	208.3	237.0	273.9	271.3	233.3	194.5
1564.9	60°	1371.4	1002.0	213.2	187.4	217.3	255.4	252.6	214.0	178.1
1500.7	62.5°	1286.3	882.9	178.5	169.1	199.4	236.6	233.9	199.2	165.5
1330.4	65°	1114.9	718.2	151.5	153.9	181.3	213.8	217.7	186.8	155.5
1029.2	67.5°	850.4	520.2	130.4	140.7	163.7	191.5	202.6	177.9	147.2
595.5	70°	484.7	295.4	112.5	127.9	148.0	170.8	191.1	170.8	138.3
223.1	72.5°	183.8	135.6	97.3	115.1	133.0	153.3	178.3	159.6	127.9
115.3	75°	98.1	82.6	81.8	100.1	115.7	136.2	162.2	148.6	120.2
79.8	77.5°	66.8	58.5	68.4	85.7	96.9	117.4	145.2	132.0	104.2
55.2	80°	46.3	41.4	55.6	69.0	74.9	98.7	126.7	113.3	84.9
34.1	82.5°	27.8	27.0	41.6	51.6	53.0	76.1	105.0	95.0	69.4
20.3	85°	15.2	16.0	26.6	30.3	30.9	53.2	82.2	73.5	53.4
7.3	87.5°	4.3	5.5	9.7	12.0	14.8	27.6	48.9	43.7	26.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
500.5
537.3
560.6
567.3
563.7
555.1
543.4
523.5
501.7
487.9
476.6
464.0
450.0
429.4
402.8
369.1
330.8
292.4
262.5
242.6
223.8
209.3
190.3
173.8
158.4
146.2
136.7
129.3
123.9
116.8
129.1
95.6
75.7
60.9
45.3
18.7
0.0

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