

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: P852245

Luminaire Tested: **GLAN-SB2B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852245
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-SB2B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

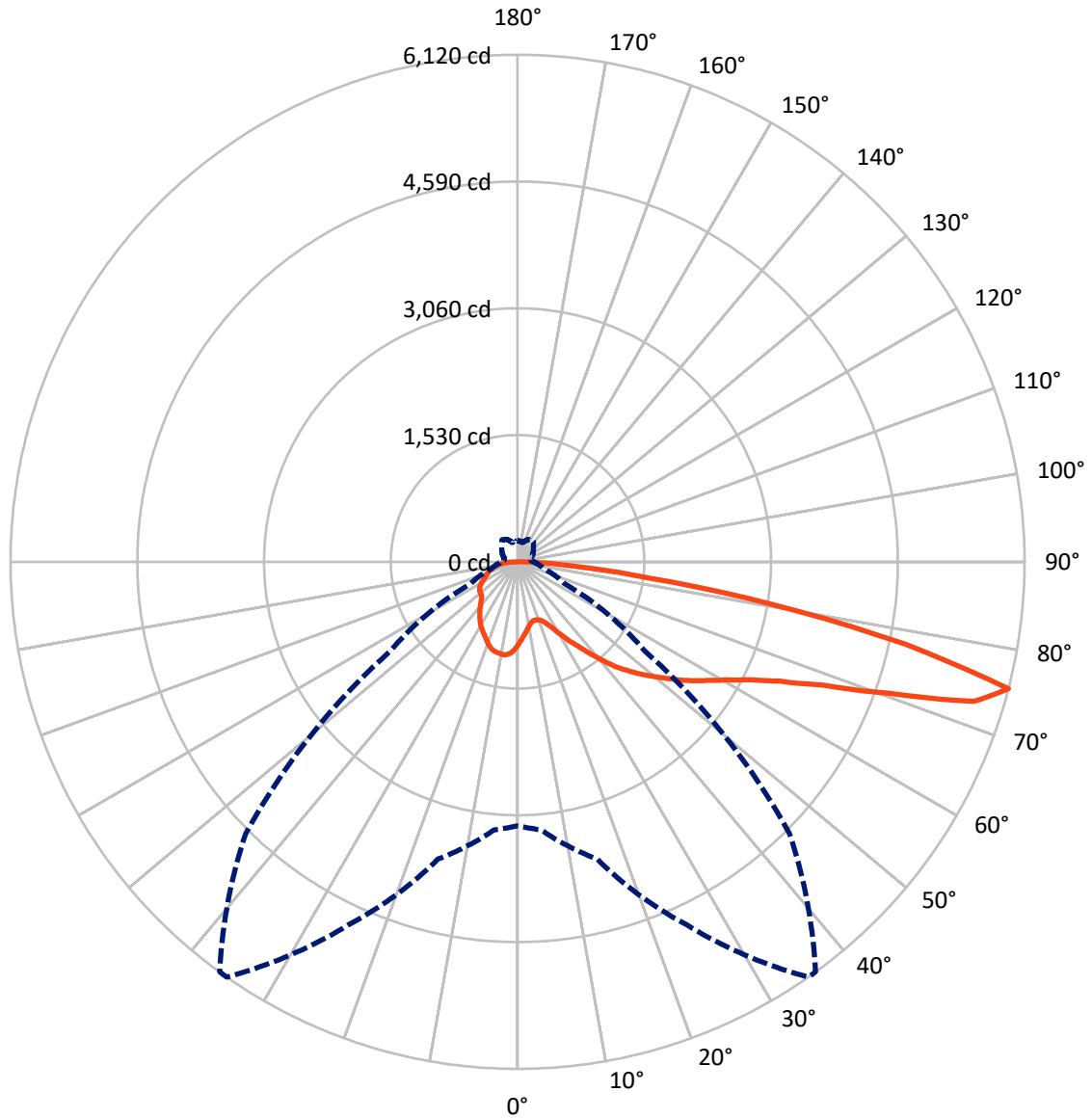
Lumens per Lamp: N/A
Luminaire Lumens: 7509 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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	1786.9	0.0	1786.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5722.1	0.0	5722.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	7509.0	0.0	7509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.3
10°-20°	273.3	3.6
20°-30°	458.9	6.1
30°-40°	713.2	9.5
40°-50°	1058.5	14.1
50°-60°	1461.4	19.5
60°-70°	1773.0	23.6
70°-80°	1465.2	19.5
80°-90°	210.7	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°	7509.0	100.0
0°-180°	7509.0	100.0

Coefficient of Utilization



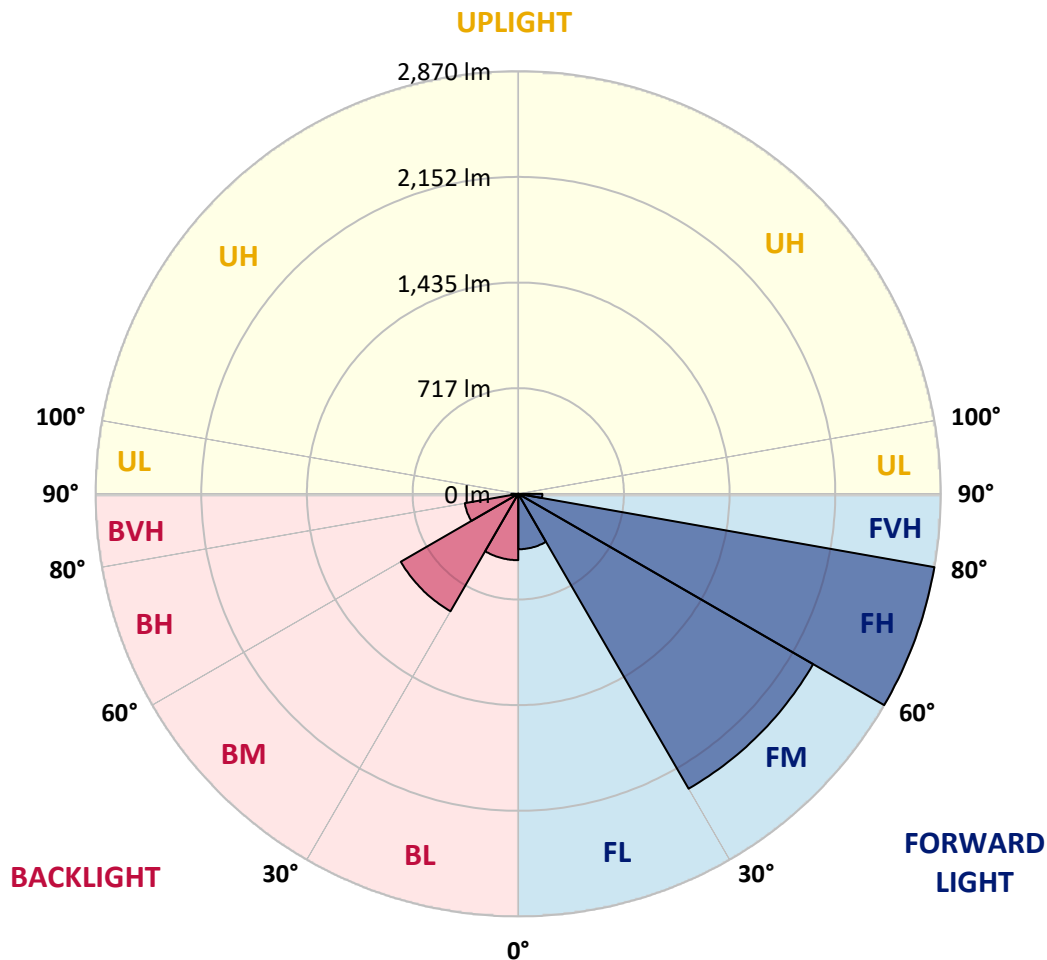
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	376.6	5.0			
FM (30°-60°)	2312.4	30.8			
FH (60°-80°)	2869.8	38.2			G2/5000
FVH (80°-90°)	163.3	2.2			G2/225
BL (0°-30°)	450.3	6.0	B1/500		
BM (30°-60°)	920.7	12.3	B1/1000		
BH (60°-80°)	368.4	4.9	B1/500		G1/500
BVH (80°-90°)	47.5	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6
2.5°	922.7	928.4	930.8	929.6	935.7	934.9	943.4	953.9	968.6	982.8
5°	851.6	857.7	863.0	867.9	879.7	883.3	896.7	917.0	943.8	971.0
7.5°	785.5	790.8	798.9	807.8	827.7	831.4	853.7	885.3	922.7	962.5
10°	731.5	736.8	745.3	755.4	780.2	784.7	813.1	855.3	904.0	954.3
12.5°	708.4	710.0	714.8	725.0	746.5	749.4	780.6	828.9	885.7	948.3
15°	707.1	710.4	710.8	716.1	733.9	735.1	764.0	811.9	874.4	947.0
17.5°	719.3	721.7	718.1	721.3	736.4	738.4	761.1	803.7	870.7	952.3
20°	751.8	753.8	742.9	738.4	749.4	751.0	773.3	809.0	874.4	963.3
22.5°	820.8	822.0	795.2	777.0	777.8	778.6	798.1	830.5	888.6	983.2
25°	928.4	927.6	884.9	849.6	829.3	824.9	837.8	865.4	912.5	1009.6
27.5°	1054.2	1048.1	1005.5	952.7	908.5	902.0	899.1	910.9	946.6	1044.5
30°	1196.3	1190.6	1144.7	1075.7	1014.4	1003.9	977.1	971.0	997.4	1092.0
32.5°	1352.2	1348.5	1293.7	1210.1	1128.1	1115.9	1070.9	1054.6	1075.3	1163.8
35°	1482.9	1479.6	1434.2	1348.1	1247.8	1232.8	1186.9	1168.7	1179.2	1256.0
37.5°	1601.0	1599.4	1560.4	1492.6	1389.1	1370.8	1319.3	1313.2	1311.2	1377.3
40°	1710.6	1706.5	1665.9	1630.2	1553.5	1536.9	1491.4	1486.1	1470.7	1526.7
42.5°	1832.0	1821.4	1762.6	1745.9	1725.2	1711.4	1684.2	1685.0	1650.9	1695.2
45°	1931.0	1924.9	1864.5	1854.7	1877.0	1871.4	1894.9	1901.0	1834.8	1871.8
47.5°	2037.4	2031.7	1980.5	1973.6	2034.1	2035.8	2119.0	2121.0	2014.2	2055.2
50°	2168.5	2160.4	2109.6	2118.2	2185.9	2192.0	2344.3	2330.5	2179.5	2241.6
52.5°	2255.0	2259.8	2248.9	2262.7	2355.2	2360.9	2565.9	2530.6	2343.0	2425.5
55°	2318.7	2328.4	2362.5	2394.2	2533.8	2539.5	2775.0	2721.0	2478.6	2595.9
57.5°	2400.7	2386.9	2450.6	2512.3	2703.5	2718.5	2978.3	2904.5	2598.8	2742.9
60°	2518.4	2508.7	2558.2	2649.5	2893.5	2917.4	3193.5	3069.7	2686.9	2859.4
62.5°	2757.1	2732.7	2740.5	2821.2	3133.0	3164.7	3436.2	3213.8	2730.7	2904.9
65°	3113.9	3072.1	3033.1	3089.2	3470.3	3501.6	3710.2	3327.0	2714.5	2816.8
67.5°	3563.3	3521.9	3474.0	3526.7	3967.2	3991.9	4048.4	3390.8	2586.6	2477.4
70°	3933.9	3918.5	3975.7	4192.9	4760.8	4761.6	4481.9	3338.0	2236.3	1756.5
72.5°	3884.8	3875.4	4177.1	4848.5	5761.0	5739.5	4892.3	2938.5	1506.4	792.4
75°	3187.0	3247.5	3714.7	4836.7	6120.3	6117.4	4641.0	1868.1	623.1	328.4
77.5°	1709.0	1804.8	2411.6	3571.0	4777.8	4849.7	3262.9	653.6	267.5	210.3
80°	557.3	641.0	961.2	1818.2	3104.6	3091.2	1398.4	256.5	183.1	149.0
82.5°	236.7	246.4	429.5	858.5	1593.3	1568.5	445.3	147.4	128.7	101.9
85°	92.6	103.5	189.6	397.0	690.1	675.1	160.7	73.1	82.4	66.6
87.5°	30.4	36.9	67.8	136.0	214.7	207.0	39.4	25.2	35.7	30.4
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°
1000.6	0°	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6	1000.6
1003.5	2.5°	1009.1	1015.6	1023.4	1034.7	1044.5	1052.6	1061.1	1066.4	1068.4	1074.5
1005.1	5°	1016.5	1030.7	1049.7	1068.4	1086.7	1097.6	1107.4	1112.3	1116.7	1120.0
1009.6	7.5°	1028.6	1046.9	1076.9	1101.3	1116.7	1125.7	1132.1	1130.5	1132.1	1133.0
1014.4	10°	1039.2	1064.8	1100.5	1123.6	1135.4	1135.8	1134.2	1128.5	1125.7	1126.1
1021.7	12.5°	1051.8	1080.2	1118.8	1138.2	1141.5	1132.6	1125.7	1115.9	1112.3	1110.6
1032.7	15°	1068.8	1101.3	1138.6	1145.9	1137.8	1126.5	1114.7	1098.9	1090.7	1084.2
1051.4	17.5°	1089.5	1125.2	1154.1	1148.8	1131.3	1112.7	1093.6	1069.6	1053.0	1046.1
1076.9	20°	1118.3	1150.4	1165.8	1142.7	1116.3	1087.9	1055.4	1026.2	1010.8	1003.9
1109.4	22.5°	1153.3	1184.1	1177.2	1132.1	1094.8	1049.3	1008.7	987.2	979.5	974.6
1151.2	25°	1195.1	1221.5	1185.3	1116.7	1059.5	998.2	966.9	960.0	956.4	952.7
1202.4	27.5°	1249.5	1263.7	1191.4	1094.0	1004.3	943.8	932.4	933.6	932.4	926.3
1273.4	30°	1321.3	1318.5	1197.1	1057.0	941.0	894.7	895.5	900.8	901.6	897.5
1372.5	32.5°	1415.9	1387.1	1199.9	1009.1	880.5	851.6	852.5	858.1	862.2	855.3
1502.0	35°	1530.4	1467.0	1195.5	949.1	833.8	810.6	804.6	806.2	807.4	800.9
1659.0	37.5°	1663.9	1556.8	1175.6	882.5	795.2	770.5	757.5	746.5	740.0	733.9
1836.8	40°	1810.5	1654.6	1139.0	817.5	752.2	727.8	708.4	687.7	665.7	657.6
2025.2	42.5°	1963.9	1755.3	1094.8	755.4	702.7	682.8	662.1	632.0	599.2	582.5
2220.9	45°	2123.0	1858.4	1051.4	694.1	651.9	643.4	619.5	583.3	547.6	526.5
2416.9	47.5°	2278.9	1955.8	987.6	632.4	604.4	613.8	595.1	561.8	522.0	488.7
2611.4	50°	2427.9	2047.1	883.3	569.9	565.9	604.8	587.0	539.1	493.6	451.0
2802.2	52.5°	2575.6	2121.0	749.8	513.1	545.2	602.4	576.4	523.7	468.0	423.4
2981.6	55°	2701.1	2159.2	621.1	464.4	515.1	581.7	563.8	505.4	431.9	384.4
3104.6	57.5°	2772.5	2128.3	513.9	416.5	473.7	547.6	542.3	466.4	388.9	352.3
3128.5	60°	2741.7	2003.3	426.2	374.7	434.3	510.7	505.0	427.9	356.0	321.5
3000.3	62.5°	2571.6	1765.0	356.8	338.1	398.6	472.9	467.6	398.2	330.8	297.5
2659.7	65°	2229.0	1435.8	302.8	307.7	362.5	427.4	435.2	373.5	310.9	278.5
2057.7	67.5°	1700.0	1040.0	260.6	281.3	327.2	382.8	405.1	355.6	294.3	263.5
1190.6	70°	969.0	590.6	224.9	255.7	295.9	341.4	382.0	341.4	276.4	250.9
446.1	72.5°	367.4	271.2	194.4	230.2	265.9	306.5	356.4	319.1	255.7	236.7
230.6	75°	196.1	165.2	163.6	200.1	231.4	272.4	324.3	297.1	240.3	250.1
159.5	77.5°	133.6	116.9	136.8	171.3	193.6	234.6	290.2	263.9	208.2	207.4
110.4	80°	92.6	82.8	111.2	138.0	149.8	197.3	253.3	226.5	169.7	158.3
68.2	82.5°	55.6	54.0	83.2	103.1	105.9	152.2	209.9	190.0	138.8	121.0
40.6	85°	30.4	32.1	53.2	60.5	61.7	106.4	164.4	146.9	106.8	89.7
14.6	87.5°	8.5	11.0	19.5	24.0	29.6	55.2	97.8	87.3	53.6	37.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1000.6
1074.1
1120.8
1134.2
1126.9
1109.8
1086.3
1046.5
1003.1
975.5
952.7
927.6
899.5
858.5
805.4
738.0
661.3
584.5
524.9
485.1
447.3
418.5
380.4
347.5
316.6
292.3
273.2
258.6
247.6
233.4
258.2
191.2
151.4
121.8
90.5
37.3
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