

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: P945359

Luminaire Tested: **GLAN-SB1B-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5212 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

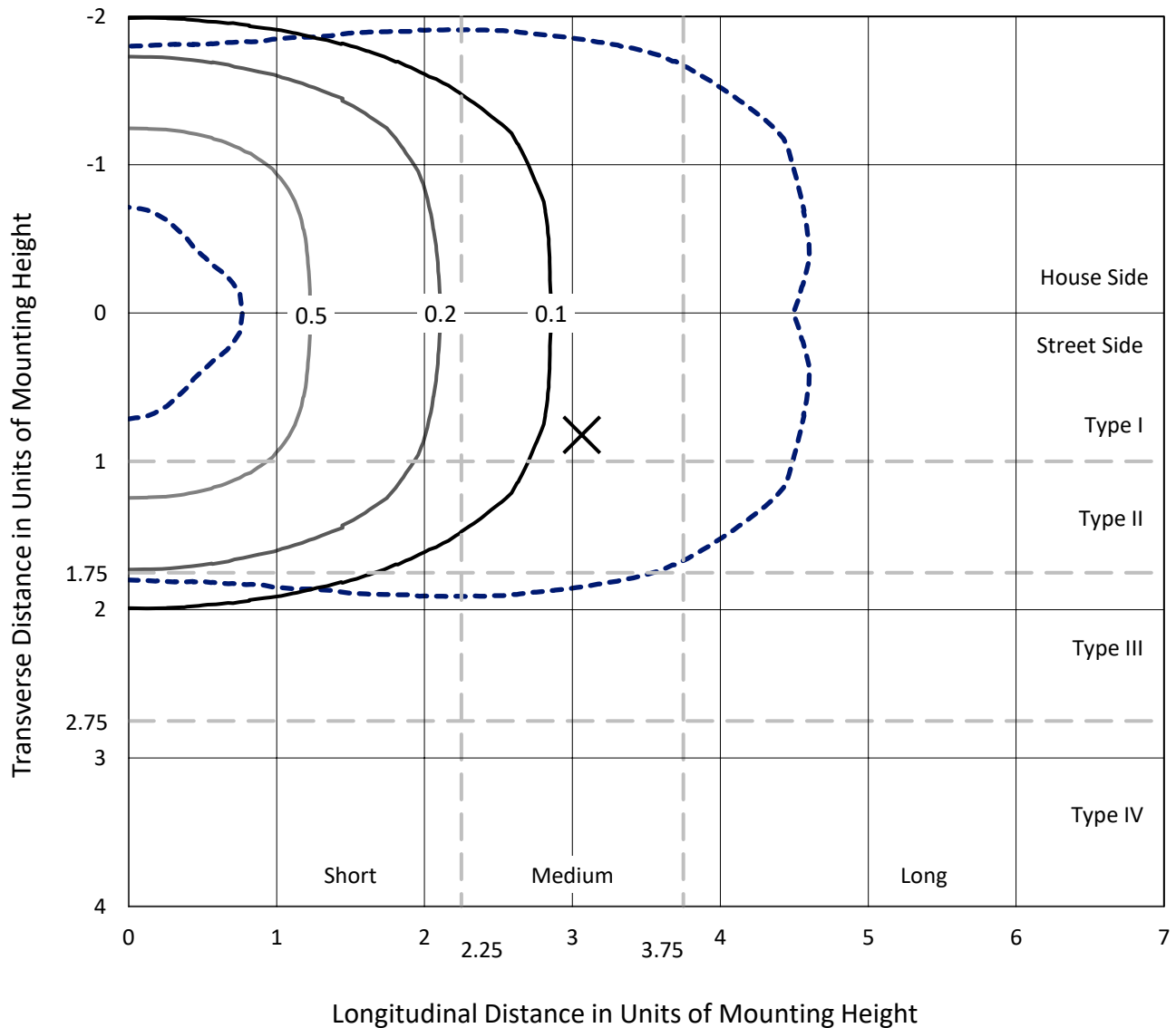


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Iso-Footcandle Lines of Horizontal Illumination

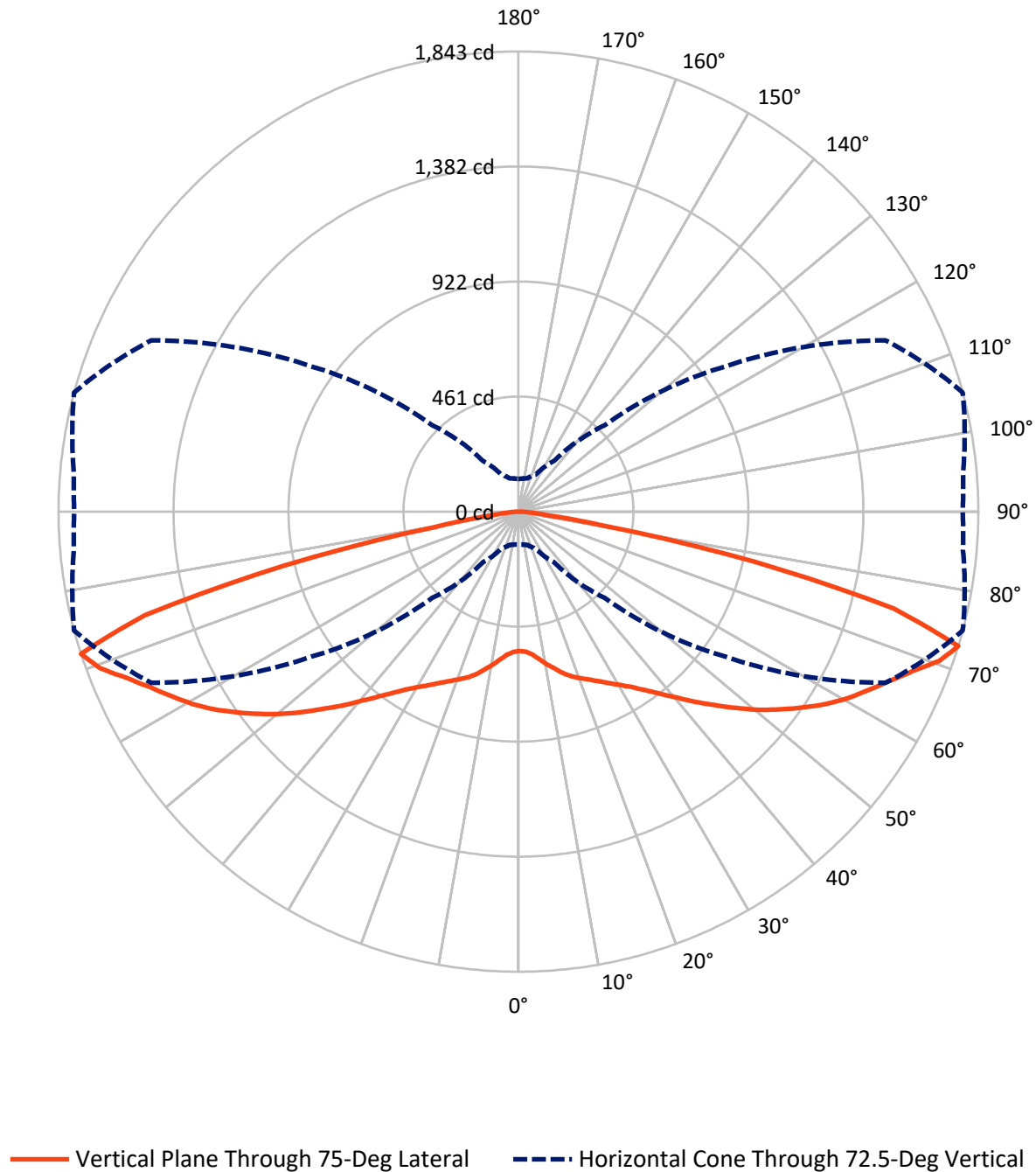
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2606.0	0.0	2606.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2606.0	0.0	2606.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5212.0	0.0	5212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	1.0
10°-20°	180.4	3.5
20°-30°	348.5	6.7
30°-40°	588.5	11.3
40°-50°	933.4	17.9
50°-60°	1249.7	24.0
60°-70°	1189.3	22.8
70°-80°	620.6	11.9
80°-90°	47.0	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°	5212.0	100.0
0°-180°	5212.0	100.0

Coefficient of Utilization



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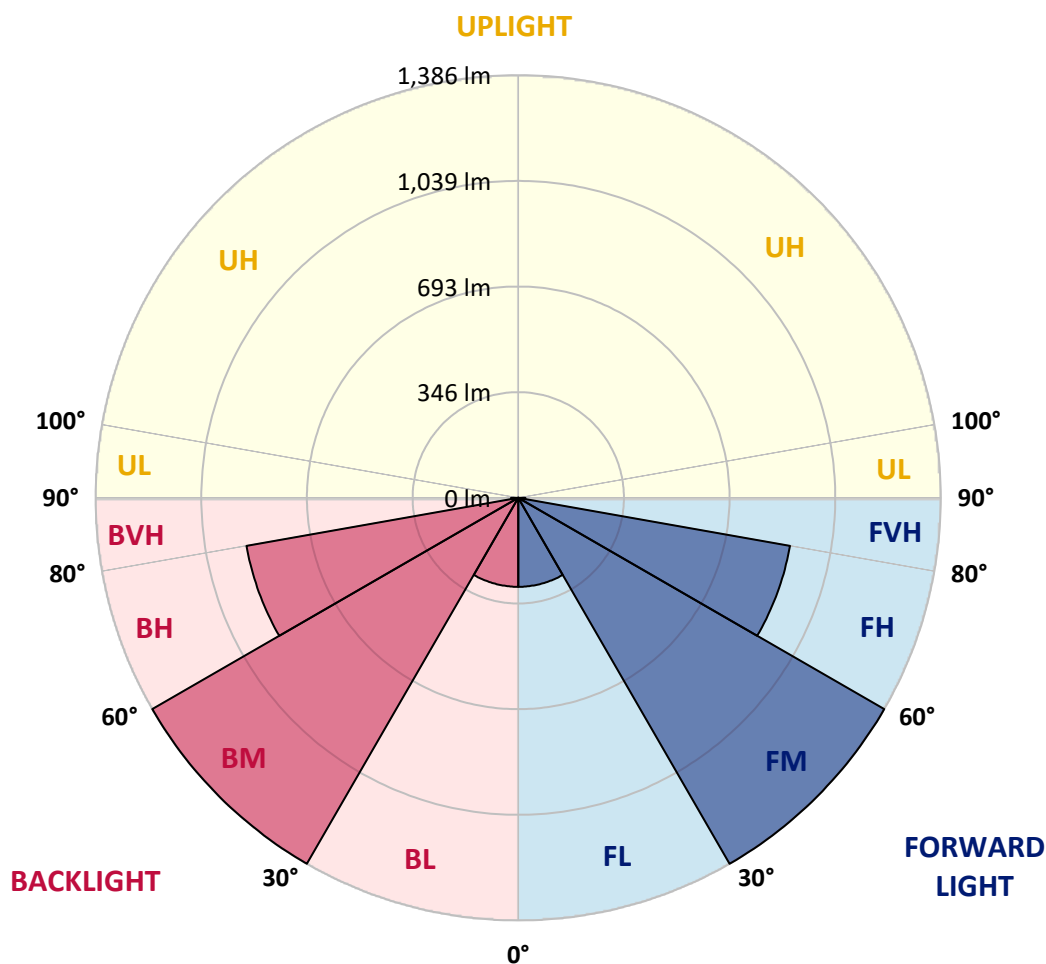
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.8	5.6			
FM	(30°-60°)	1385.8	26.6			
FH	(60°-80°)	904.9	17.4			G1/1800
FVH	(80°-90°)	23.5	0.5			G1/100
BL	(0°-30°)	291.8	5.6	B1/500		
BM	(30°-60°)	1385.8	26.6	B2/2500		
BH	(60°-80°)	904.9	17.4	B2/1000		G2/1000
BVH	(80°-90°)	23.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3	558.3
2.5°	558.3	557.8	558.3	558.8	558.6	558.6	559.9	560.7	562.3	562.0
5°	554.6	554.3	556.4	558.8	560.7	563.9	567.9	570.8	574.5	575.3
7.5°	552.7	551.9	555.6	559.9	565.7	573.7	581.5	589.4	595.8	597.9
10°	554.0	554.3	559.4	567.3	576.7	587.8	598.7	612.3	621.4	623.5
12.5°	560.2	559.6	568.1	580.9	593.7	607.8	620.6	635.5	645.3	650.4
15°	571.3	570.3	582.2	601.1	619.8	636.3	646.6	660.8	672.2	678.6
17.5°	584.6	585.2	600.9	625.4	649.8	668.5	678.3	685.5	694.3	699.9
20°	608.1	609.1	626.7	655.7	683.6	704.9	712.9	710.2	712.6	716.9
22.5°	639.5	640.0	659.7	691.1	720.4	743.8	749.1	738.2	731.5	734.5
25°	675.9	679.4	699.1	731.3	761.3	783.7	786.1	769.6	753.1	753.9
27.5°	720.4	723.6	743.5	775.4	806.0	825.5	825.2	803.1	778.9	772.8
30°	768.5	772.0	792.5	825.5	853.9	871.0	867.3	840.9	806.3	794.9
32.5°	825.7	827.9	848.6	881.6	908.0	921.5	913.8	881.4	838.2	825.2
35°	894.9	898.1	913.6	944.7	967.8	979.0	966.0	927.7	879.2	864.6
37.5°	974.0	971.8	989.4	1017.1	1036.2	1043.2	1025.3	979.8	926.1	908.8
40°	1056.5	1055.4	1074.6	1101.2	1111.5	1115.8	1089.5	1039.7	980.1	961.5
42.5°	1131.2	1130.4	1156.2	1185.8	1198.3	1193.5	1160.2	1103.3	1042.6	1021.3
45°	1191.1	1190.0	1221.7	1263.2	1287.7	1279.7	1235.0	1173.5	1106.0	1083.9
47.5°	1237.1	1237.7	1271.7	1323.1	1365.9	1368.9	1311.4	1245.1	1175.7	1150.7
50°	1270.4	1272.0	1308.5	1365.4	1424.0	1449.8	1389.4	1318.6	1247.8	1219.6
52.5°	1278.7	1281.6	1325.5	1392.3	1461.2	1510.4	1468.7	1389.1	1316.2	1289.3
55°	1234.7	1240.6	1296.2	1390.2	1484.1	1550.4	1538.4	1460.7	1385.1	1357.4
57.5°	1133.9	1142.1	1207.1	1329.8	1479.0	1577.8	1592.4	1529.3	1454.0	1427.4
60°	992.6	1002.4	1064.7	1198.6	1407.7	1587.9	1630.5	1596.1	1517.4	1491.5
62.5°	779.4	792.2	866.7	1023.7	1257.1	1540.8	1662.9	1656.5	1574.3	1542.1
65°	500.0	513.6	592.1	777.6	1056.2	1396.5	1673.0	1715.3	1634.4	1589.5
67.5°	301.5	307.6	346.5	471.3	772.0	1179.1	1587.3	1780.5	1704.7	1648.8
70°	192.9	196.4	219.5	276.8	436.4	860.3	1375.0	1792.8	1789.9	1709.8
72.5°	130.9	132.0	138.1	163.9	246.9	488.8	1014.1	1623.0	1843.1	1788.3
75°	95.8	101.7	111.5	116.0	140.2	244.3	581.2	1140.3	1553.3	1577.2
77.5°	71.3	71.6	85.2	90.5	100.1	130.1	245.9	636.5	964.4	1012.5
80°	60.4	57.2	56.9	72.9	75.3	81.2	109.9	219.8	345.4	209.4
82.5°	50.3	46.8	42.3	56.9	51.4	49.8	47.6	89.4	109.9	54.0
85°	35.1	33.5	31.9	37.3	29.3	25.0	22.9	41.8	46.3	22.9
87.5°	15.2	15.7	16.0	16.5	12.2	8.8	8.8	11.7	11.7	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
558.3
561.8
575.3
598.5
625.6
652.5
681.0
702.5
720.1
736.6
755.2
774.6
796.2
828.4
866.7
912.0
967.6
1026.7
1088.9
1158.1
1228.1
1296.2
1365.1
1433.5
1497.1
1545.8
1595.1
1653.1
1709.2
1779.7
1519.2
903.2
158.3
46.0
20.2
6.7
0.0

OF REPORT)