

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: P847011

Luminaire Tested: **GLAN-SB2D-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13887 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

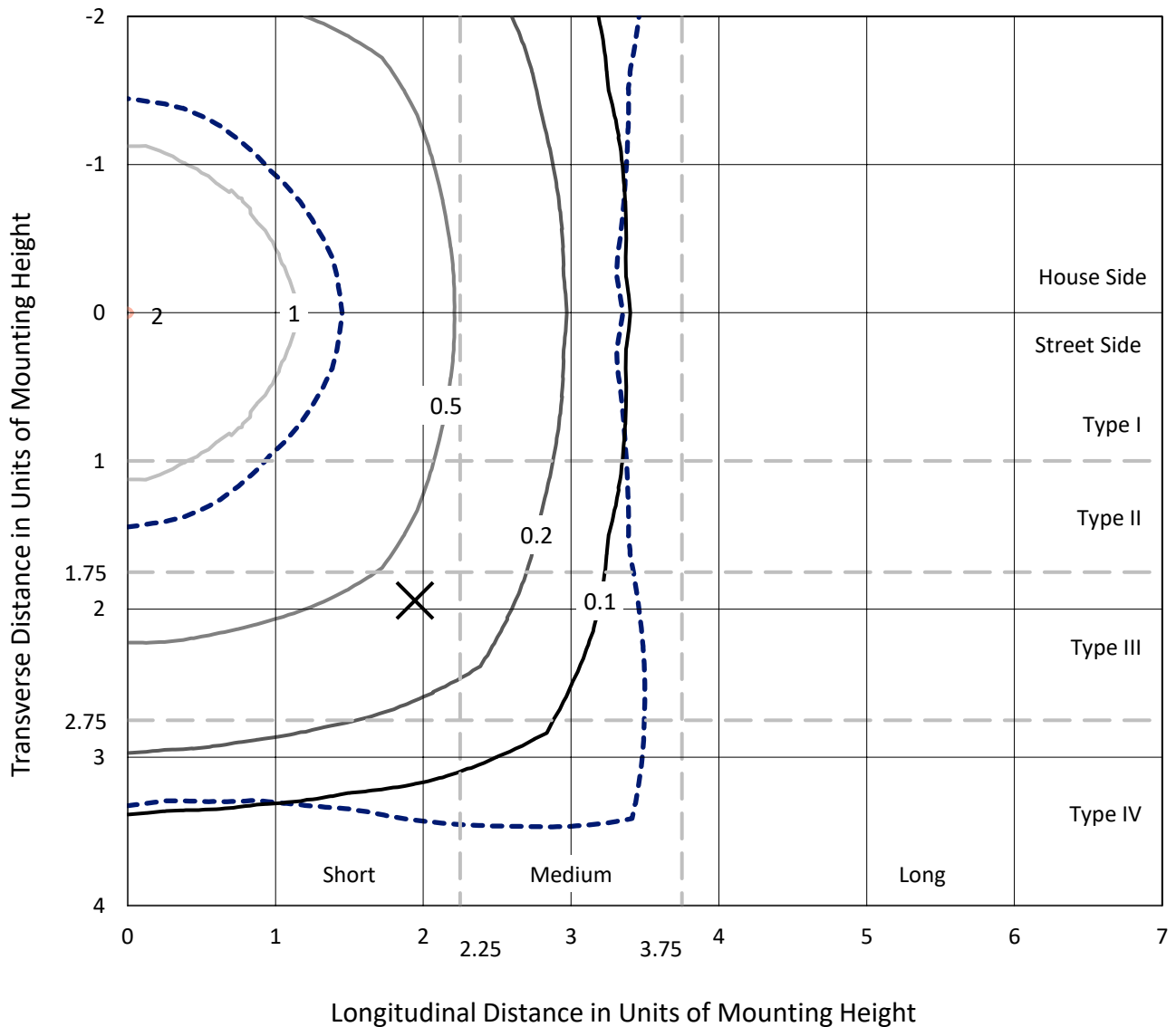
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847011
 CATALOG NUMBER: GLAN-SB2D-930-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

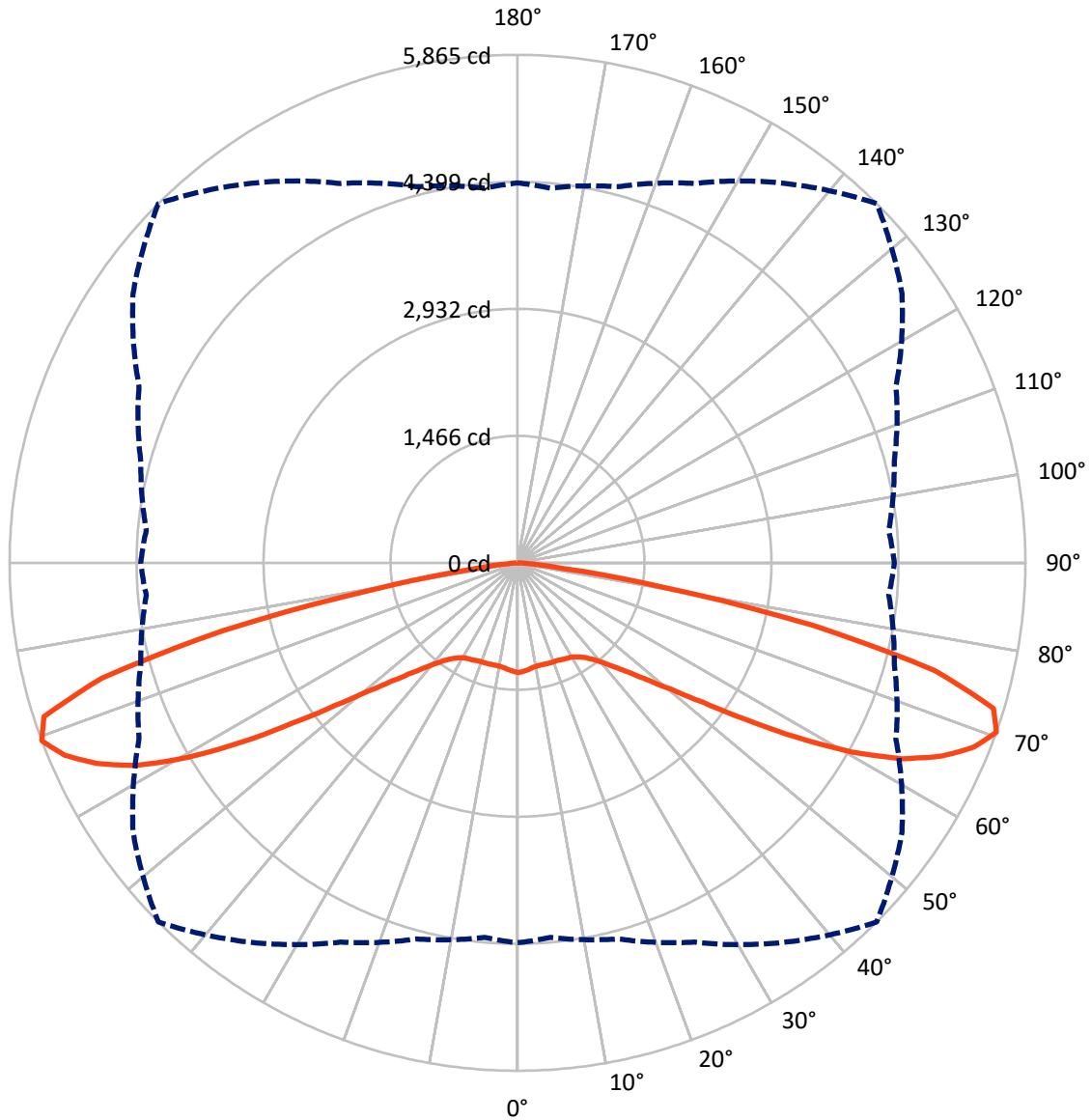
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P847011
CATALOG NUMBER: GLAN-SB2D-930-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P847011
 CATALOG NUMBER: GLAN-SB2D-930-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6943.5	0.0	6943.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6943.5	0.0	6943.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13887.0	0.0	13887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	0.8
10°-20°	346.0	2.5
20°-30°	575.8	4.1
30°-40°	870.8	6.3
40°-50°	1447.1	10.4
50°-60°	2730.5	19.7
60°-70°	4610.6	33.2
70°-80°	3029.6	21.8
80°-90°	158.7	1.1
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°	13887.0	100.0
0°-180°	13887.0	100.0

Coefficient of Utilization



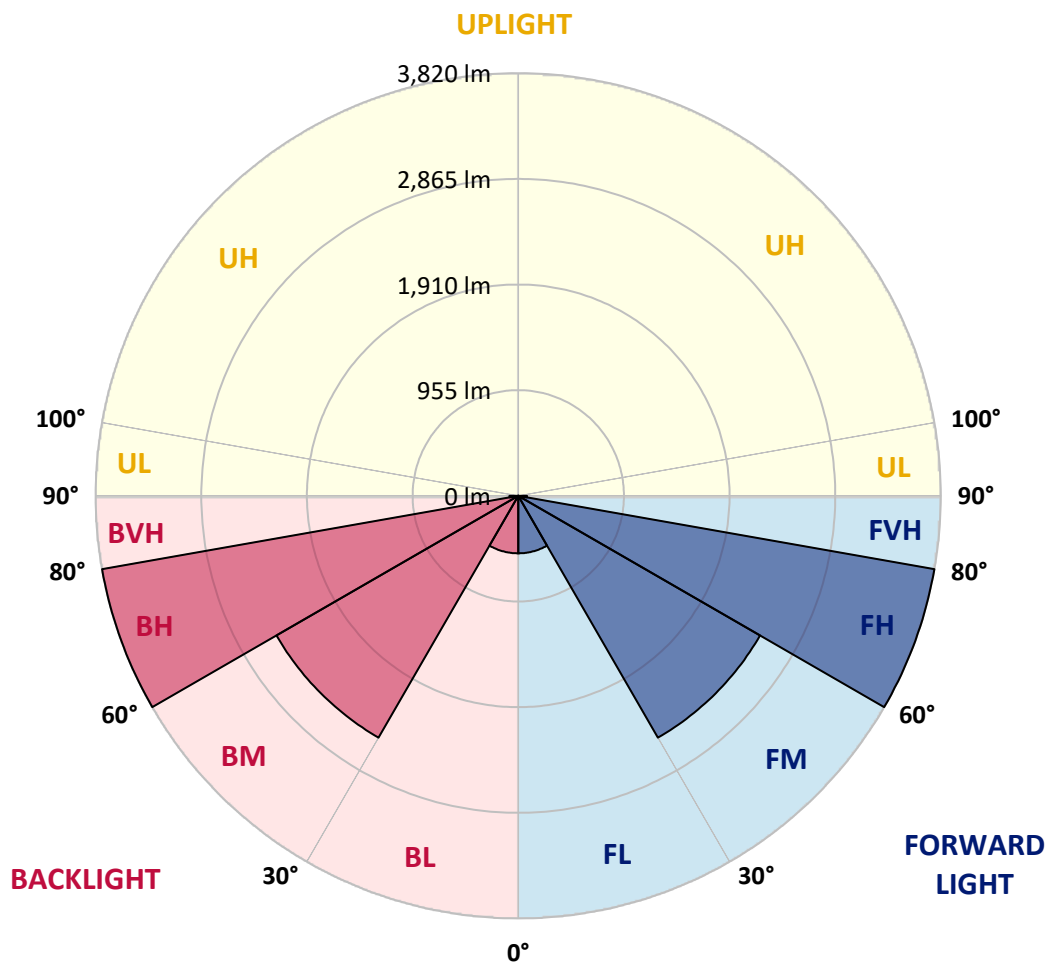
REPORT NUMBER: P847011
 CATALOG NUMBER: GLAN-SB2D-930-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.8	3.7			
FM (30°-60°)	2524.2	18.2			
FH (60°-80°)	3820.1	27.5			G2/5000
FVH (80°-90°)	79.4	0.6			G1/100
BL (0°-30°)	519.8	3.7	B2/1000		
BM (30°-60°)	2524.2	18.2	B3/5000		
BH (60°-80°)	3820.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	79.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P847011
 CATALOG NUMBER: GLAN-SB2D-930-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1266.8	1266.8	1266.8	1266.8	1266.8	1266.8	1266.8	1266.8	1266.8	1266.8
2.5°	1258.8	1262.4	1261.0	1258.1	1258.1	1255.9	1258.1	1259.6	1261.7	1263.2
5°	1242.2	1245.1	1244.4	1242.2	1243.0	1240.8	1242.2	1244.4	1245.8	1246.6
7.5°	1227.8	1230.7	1229.2	1225.6	1225.6	1223.5	1224.2	1226.4	1228.5	1229.2
10°	1224.2	1227.1	1222.7	1217.0	1214.8	1211.9	1212.6	1214.8	1219.1	1221.3
12.5°	1225.6	1227.8	1223.5	1214.8	1212.6	1209.8	1209.8	1211.9	1217.7	1220.6
15°	1230.0	1232.1	1225.6	1216.2	1214.1	1211.9	1211.2	1214.1	1220.6	1225.6
17.5°	1237.9	1240.1	1230.0	1217.0	1214.1	1214.8	1214.1	1216.2	1226.4	1235.7
20°	1245.1	1246.6	1232.8	1217.0	1214.1	1214.8	1214.1	1218.4	1231.4	1244.4
22.5°	1247.3	1248.7	1235.7	1222.0	1219.9	1220.6	1219.9	1224.2	1236.5	1249.5
25°	1248.0	1250.2	1240.1	1229.2	1232.8	1234.3	1232.8	1233.6	1243.0	1254.5
27.5°	1258.8	1261.7	1252.3	1243.0	1245.1	1244.4	1246.6	1248.7	1255.9	1267.5
30°	1281.2	1283.4	1275.4	1266.1	1264.6	1259.6	1266.1	1273.3	1281.2	1291.3
32.5°	1318.0	1322.4	1312.2	1302.1	1295.6	1292.8	1297.8	1310.1	1320.9	1331.7
35°	1379.4	1382.3	1372.9	1354.1	1342.6	1342.6	1346.9	1362.8	1380.1	1393.8
37.5°	1466.0	1469.6	1453.0	1430.6	1413.3	1413.3	1419.1	1435.7	1461.7	1481.2
40°	1571.4	1576.4	1555.5	1532.4	1515.8	1512.9	1520.1	1538.9	1563.4	1588.0
42.5°	1698.4	1704.2	1676.8	1656.6	1643.6	1643.6	1647.2	1664.5	1686.9	1717.2
45°	1860.8	1870.9	1833.4	1813.2	1800.9	1803.8	1806.0	1821.1	1841.3	1876.0
47.5°	2054.3	2064.4	2024.7	2003.7	2001.6	2015.3	2006.6	2017.5	2028.3	2068.0
50°	2273.7	2291.0	2263.6	2262.1	2266.5	2291.7	2271.5	2277.3	2265.0	2290.3
52.5°	2542.2	2567.5	2562.4	2571.1	2619.4	2671.4	2625.2	2605.0	2558.8	2566.8
55°	2867.7	2906.0	2913.2	2965.2	3074.9	3181.0	3082.8	3001.3	2903.1	2885.1
57.5°	3238.0	3268.3	3303.0	3409.1	3614.1	3802.5	3614.1	3433.6	3279.2	3242.4
60°	3636.5	3674.0	3707.2	3863.8	4168.4	4433.3	4162.7	3876.1	3671.8	3622.0
62.5°	4064.5	4112.9	4136.0	4309.9	4665.0	4981.2	4670.1	4322.9	4096.3	4042.8
65°	4475.2	4514.9	4540.9	4726.4	5065.7	5382.5	5088.8	4746.6	4513.5	4443.5
67.5°	4666.5	4688.1	4751.7	4961.7	5319.7	5681.4	5380.4	4984.1	4723.5	4600.8
70°	4386.4	4342.4	4495.4	4831.8	5350.0	5864.7	5419.3	4821.7	4502.6	4303.4
72.5°	3389.6	3313.8	3579.4	4154.7	5003.6	5747.8	5038.2	4187.2	3744.7	3340.5
75°	1844.2	1758.3	2125.0	2852.6	3990.2	4981.9	4081.8	2934.2	2366.1	1830.5
77.5°	520.4	487.9	783.9	1380.1	2400.0	3497.9	2492.4	1410.4	929.7	551.5
80°	159.5	154.5	209.3	415.8	1019.2	1675.3	979.5	420.8	266.3	168.2
82.5°	94.6	86.6	103.9	151.6	259.9	526.2	252.6	158.1	127.0	85.2
85°	54.1	50.5	61.4	73.6	87.3	111.9	72.9	75.1	67.9	45.5
87.5°	22.4	20.2	23.8	23.1	20.2	26.0	19.5	23.1	27.4	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1266.8
1262.4
1246.6
1229.2
1221.3
1221.3
1226.4
1235.7
1245.1
1249.5
1253.8
1264.6
1289.2
1327.4
1388.8
1473.9
1580.0
1715.0
1874.5
2056.4
2275.1
2540.0
2856.9
3216.4
3578.7
3999.5
4408.8
4602.3
4351.1
3440.9
1949.6
612.8
177.6
92.4
47.6
16.6
0.0

OF REPORT)