

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: P846781

Luminaire Tested: **GLAN-SB2C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846781
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-SB2C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12079 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

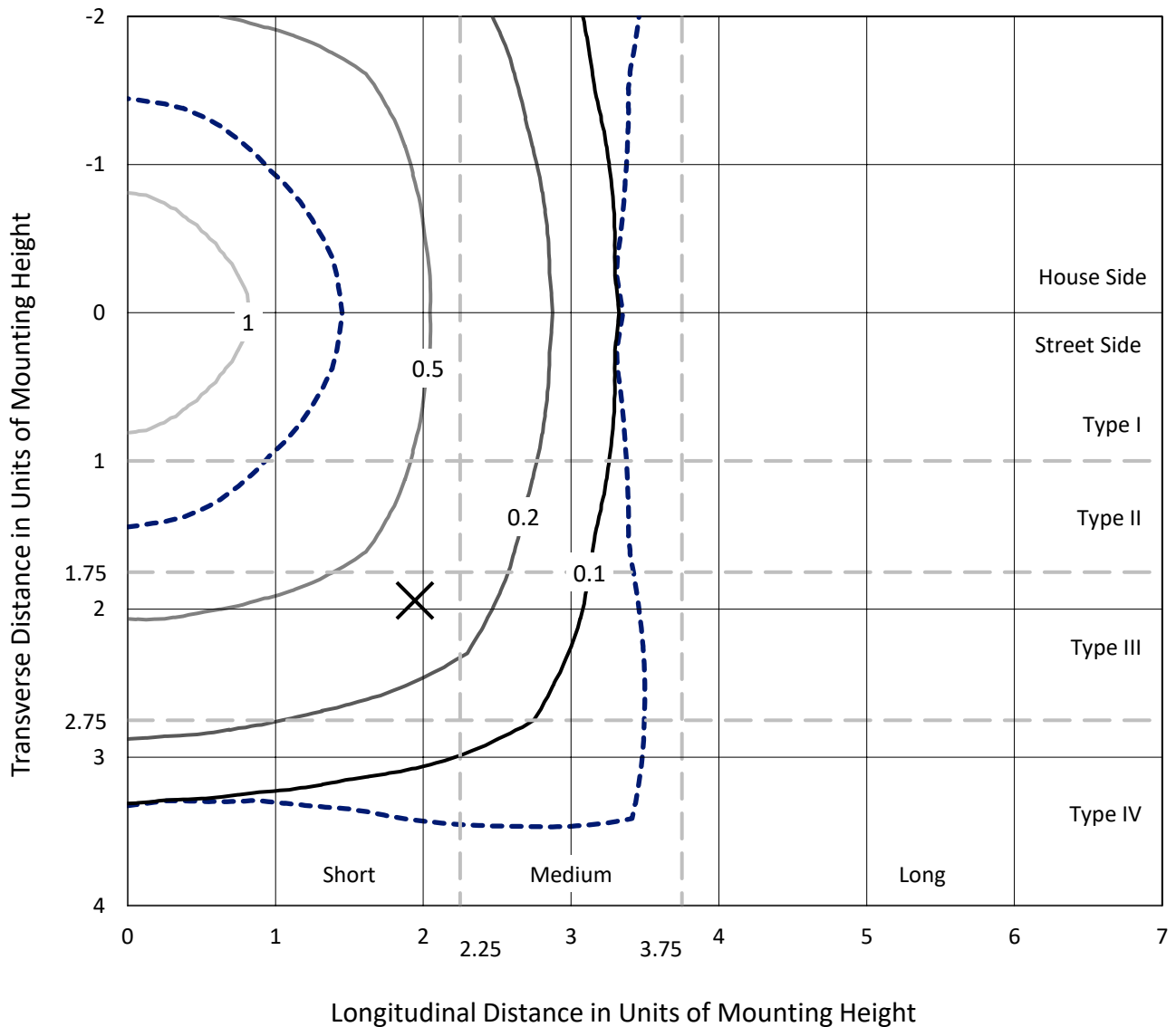
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

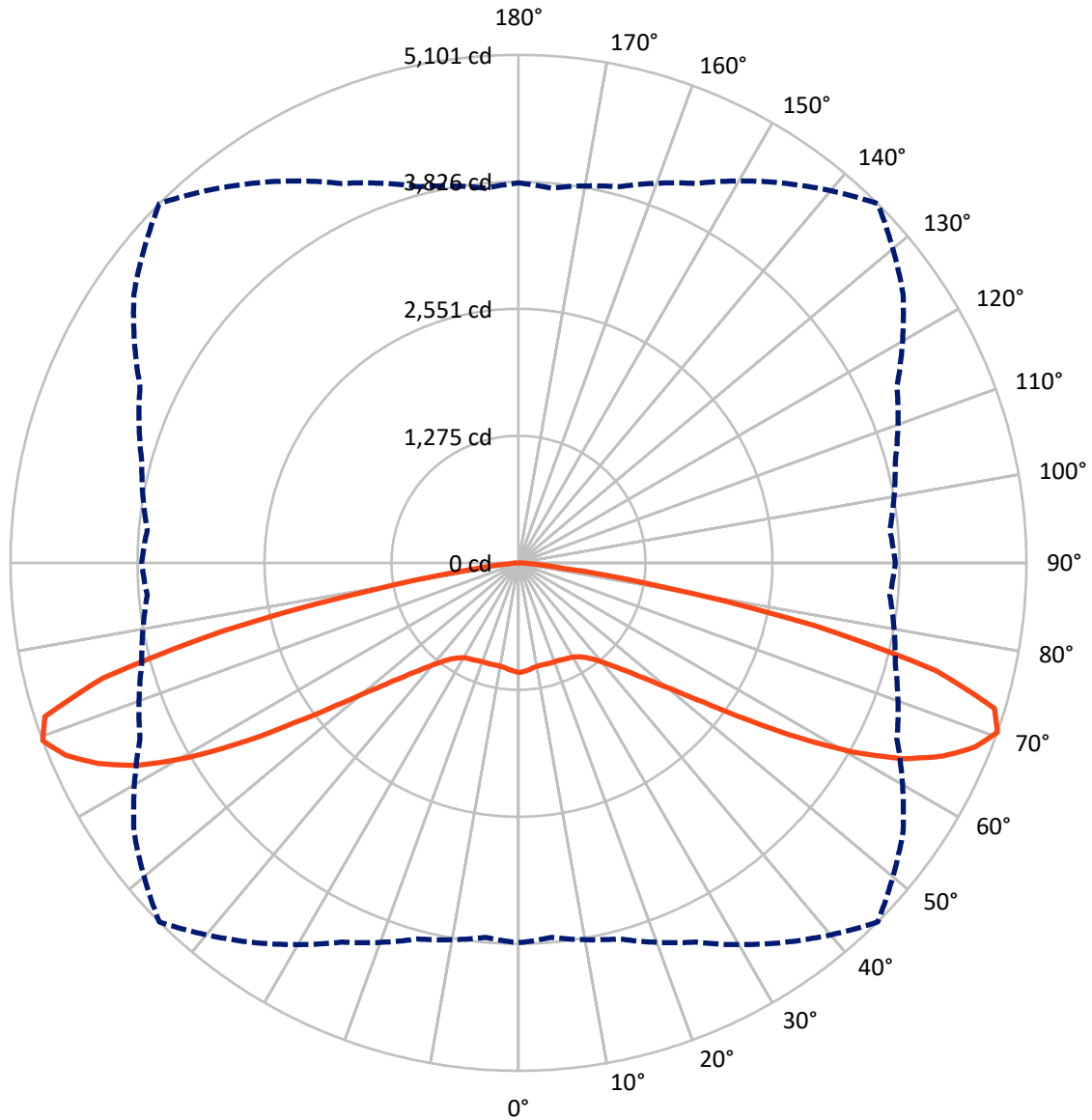
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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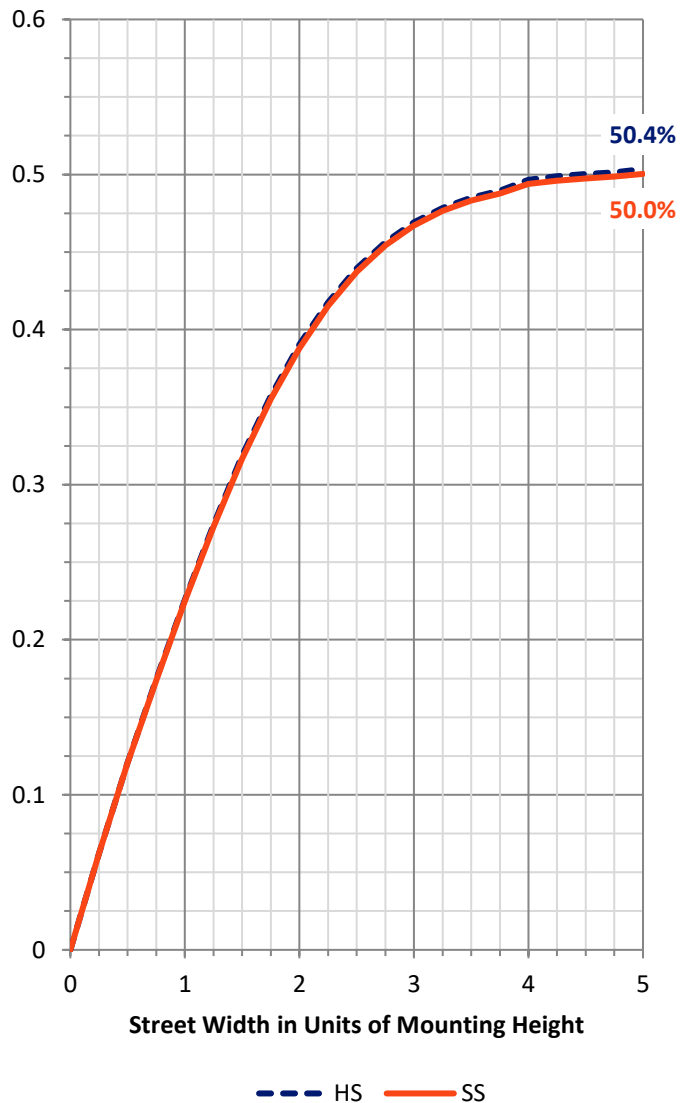
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6039.5	0.0	6039.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6039.5	0.0	6039.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12079.0	0.0	12079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	0.8
10°-20°	301.0	2.5
20°-30°	500.8	4.1
30°-40°	757.4	6.3
40°-50°	1258.6	10.4
50°-60°	2375.0	19.7
60°-70°	4010.3	33.2
70°-80°	2635.2	21.8
80°-90°	138.1	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°	12079.0	100.0
0°-180°	12079.0	100.0

Coefficient of Utilization



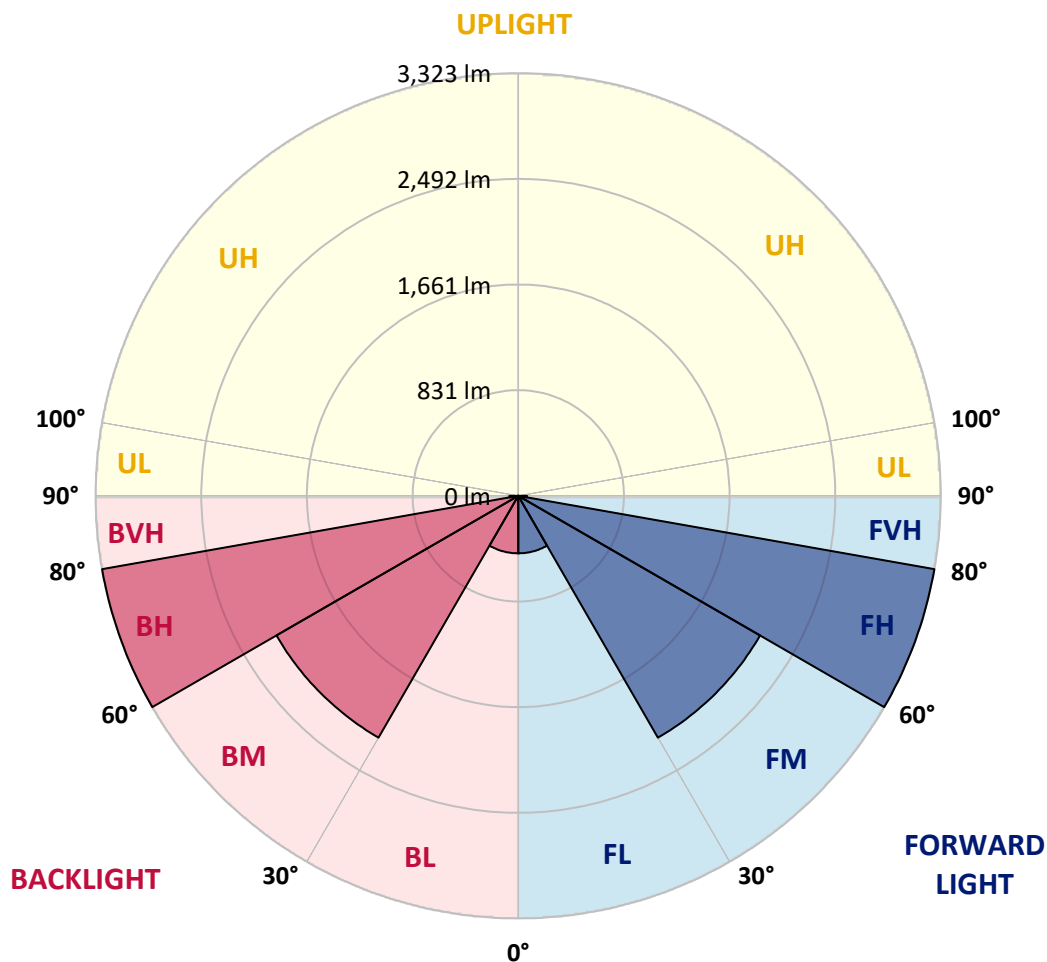
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.1	3.7			
FM (30°-60°)	2195.6	18.2			
FH (60°-80°)	3322.8	27.5			G2/5000
FVH (80°-90°)	69.0	0.6			G1/100
BL (0°-30°)	452.1	3.7	B1/500		
BM (30°-60°)	2195.6	18.2	B2/2500		
BH (60°-80°)	3322.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	69.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8
2.5°	1094.9	1098.1	1096.8	1094.3	1094.3	1092.4	1094.3	1095.6	1097.5	1098.7
5°	1080.5	1083.0	1082.4	1080.5	1081.1	1079.2	1080.5	1082.4	1083.6	1084.3
7.5°	1067.9	1070.5	1069.2	1066.1	1066.1	1064.2	1064.8	1066.7	1068.6	1069.2
10°	1064.8	1067.3	1063.6	1058.5	1056.6	1054.1	1054.8	1056.6	1060.4	1062.3
12.5°	1066.1	1067.9	1064.2	1056.6	1054.8	1052.2	1052.2	1054.1	1059.2	1061.7
15°	1069.8	1071.7	1066.1	1057.9	1056.0	1054.1	1053.5	1056.0	1061.7	1066.1
17.5°	1076.7	1078.6	1069.8	1058.5	1056.0	1056.6	1056.0	1057.9	1066.7	1074.9
20°	1083.0	1084.3	1072.3	1058.5	1056.0	1056.6	1056.0	1059.8	1071.1	1082.4
22.5°	1084.9	1086.2	1074.9	1062.9	1061.0	1061.7	1061.0	1064.8	1075.5	1086.8
25°	1085.5	1087.4	1078.6	1069.2	1072.3	1073.6	1072.3	1073.0	1081.1	1091.2
27.5°	1094.9	1097.5	1089.3	1081.1	1083.0	1082.4	1084.3	1086.2	1092.4	1102.5
30°	1114.4	1116.3	1109.4	1101.2	1100.0	1095.6	1101.2	1107.5	1114.4	1123.2
32.5°	1146.4	1150.2	1141.4	1132.6	1127.0	1124.5	1128.8	1139.5	1148.9	1158.4
35°	1199.8	1202.3	1194.1	1177.8	1167.8	1167.8	1171.5	1185.3	1200.4	1212.3
37.5°	1275.1	1278.3	1263.8	1244.4	1229.3	1229.3	1234.3	1248.8	1271.4	1288.3
40°	1366.8	1371.2	1353.0	1332.9	1318.5	1315.9	1322.2	1338.5	1359.9	1381.2
42.5°	1477.3	1482.3	1458.5	1440.9	1429.6	1429.6	1432.7	1447.8	1467.2	1493.6
45°	1618.6	1627.3	1594.7	1577.1	1566.4	1569.0	1570.8	1584.0	1601.6	1631.7
47.5°	1786.8	1795.6	1761.1	1742.9	1741.0	1752.9	1745.4	1754.8	1764.2	1798.7
50°	1977.7	1992.7	1968.9	1967.6	1971.4	1993.4	1975.8	1980.8	1970.1	1992.1
52.5°	2211.2	2233.2	2228.8	2236.3	2278.4	2323.6	2283.4	2265.9	2225.7	2232.6
55°	2494.4	2527.7	2533.9	2579.1	2674.6	2766.9	2681.5	2610.5	2525.1	2509.5
57.5°	2816.5	2842.8	2873.0	2965.3	3143.6	3307.4	3143.6	2986.6	2852.2	2820.2
60°	3163.0	3195.7	3224.6	3360.8	3625.7	3856.2	3620.7	3371.5	3193.8	3150.5
62.5°	3535.3	3577.4	3597.5	3748.8	4057.7	4332.7	4062.1	3760.1	3563.0	3516.5
65°	3892.6	3927.1	3949.7	4111.1	4406.1	4681.8	4426.2	4128.6	3925.8	3864.9
67.5°	4058.9	4077.8	4133.0	4315.7	4627.1	4941.7	4679.9	4335.2	4108.5	4001.8
70°	3815.3	3777.0	3910.1	4202.7	4653.5	5101.1	4713.8	4193.9	3916.4	3743.1
72.5°	2948.3	2882.4	3113.4	3613.8	4352.1	4999.4	4382.3	3642.1	3257.2	2905.6
75°	1604.1	1529.4	1848.3	2481.2	3470.7	4333.3	3550.4	2552.1	2058.0	1592.2
77.5°	452.7	424.4	681.8	1200.4	2087.5	3042.5	2167.9	1226.8	808.6	479.7
80°	138.8	134.4	182.1	361.6	886.5	1457.2	852.0	366.0	231.7	146.3
82.5°	82.2	75.3	90.4	131.8	226.0	457.7	219.7	137.5	110.5	74.1
85°	47.1	43.9	53.4	64.0	76.0	97.3	63.4	65.3	59.0	39.6
87.5°	19.5	17.6	20.7	20.1	17.6	22.6	17.0	20.1	23.9	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1101.8
1098.1
1084.3
1069.2
1062.3
1062.3
1066.7
1074.9
1083.0
1086.8
1090.5
1100.0
1121.3
1154.6
1208.0
1282.0
1374.3
1491.7
1630.5
1788.7
1978.9
2209.3
2485.0
2797.6
3112.8
3478.8
3834.8
4003.1
3784.6
2992.9
1695.8
533.0
154.4
80.4
41.4
14.4
0.0

OF REPORT)