

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: P847861

Luminaire Tested: **GLAN-SB4A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847861
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-SB4A-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12268 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

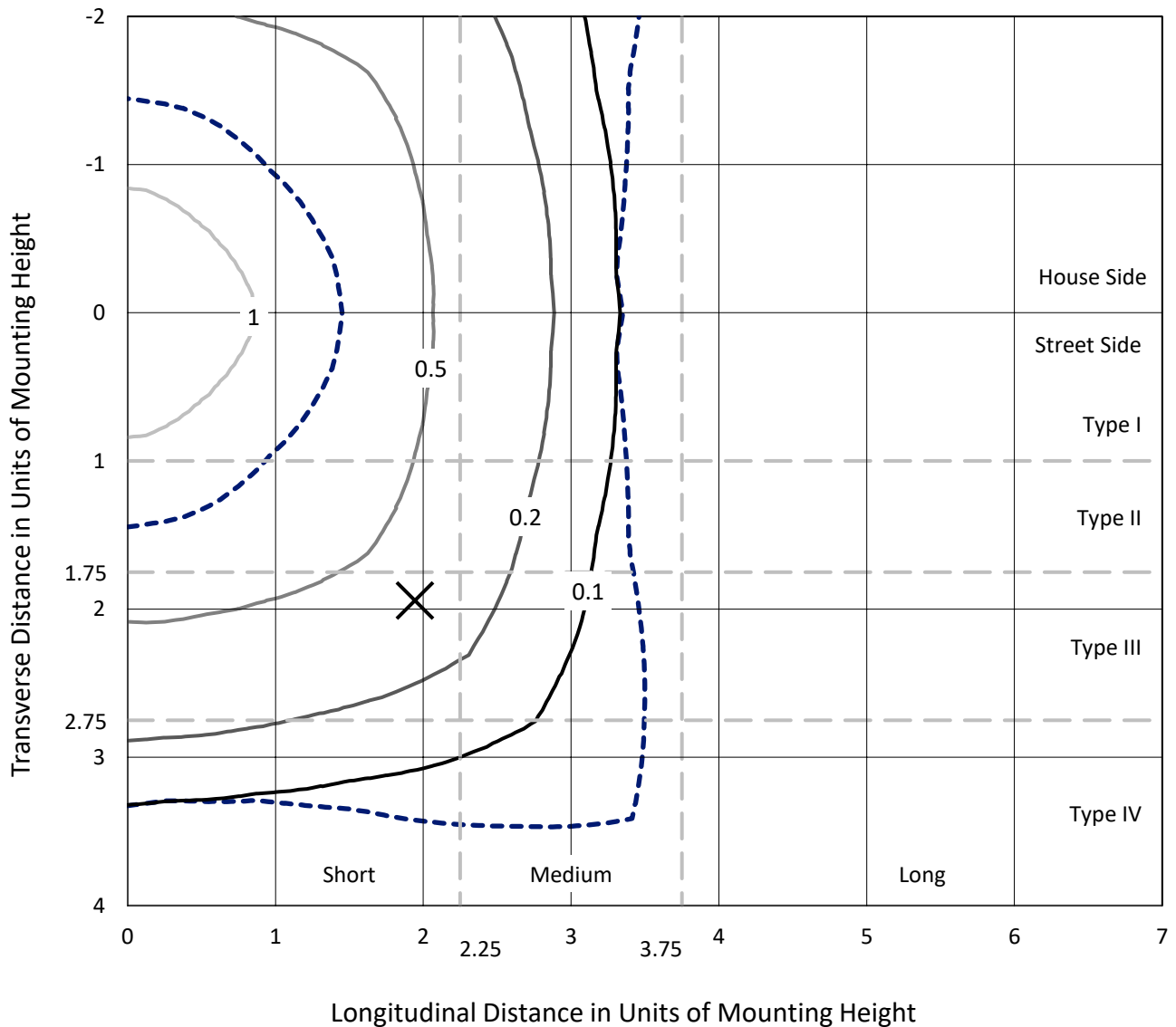
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

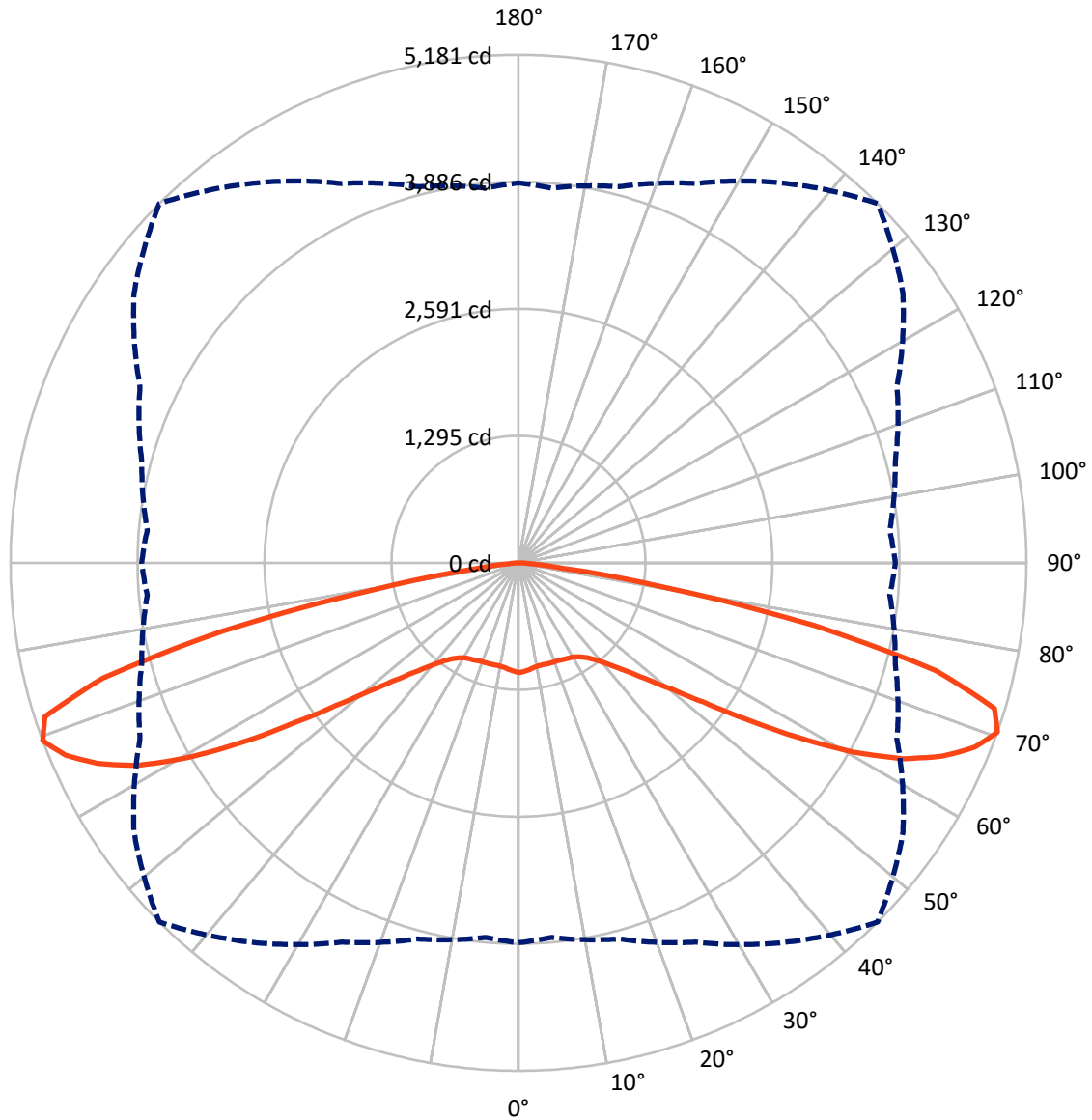
✕ Max cd
 - - - 1/2 Max cd



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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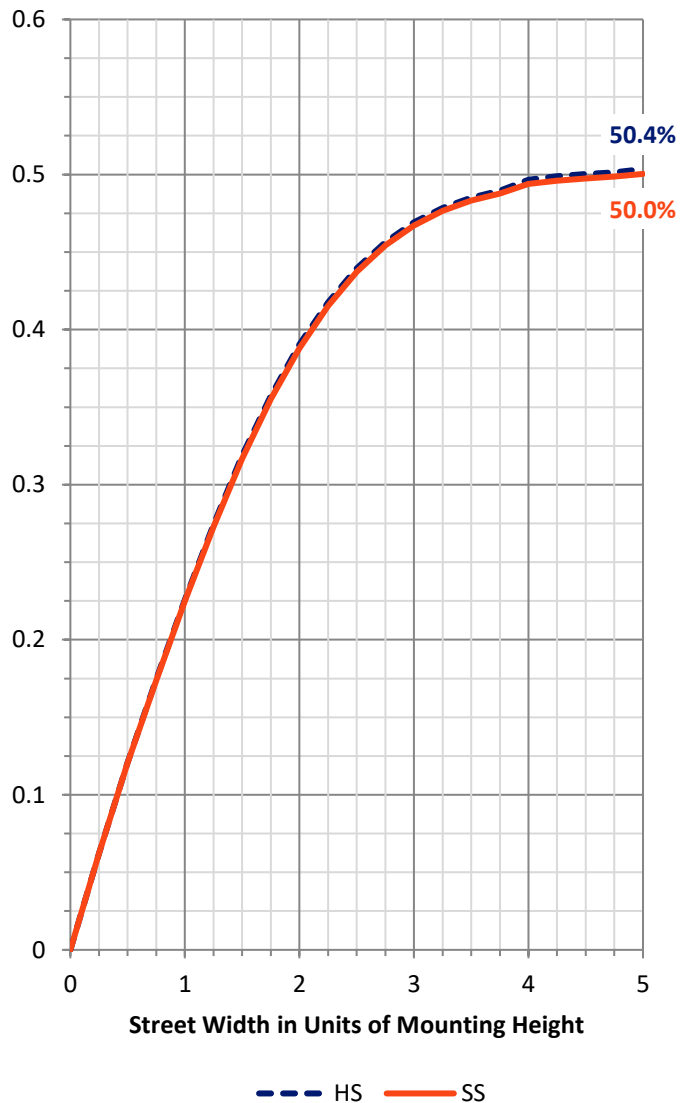
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6134.0	0.0	6134.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6134.0	0.0	6134.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12268.0	0.0	12268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	0.8
10°-20°	305.7	2.5
20°-30°	508.7	4.1
30°-40°	769.3	6.3
40°-50°	1278.3	10.4
50°-60°	2412.2	19.7
60°-70°	4073.1	33.2
70°-80°	2676.4	21.8
80°-90°	140.2	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°	12268.0	100.0
0°-180°	12268.0	100.0

Coefficient of Utilization

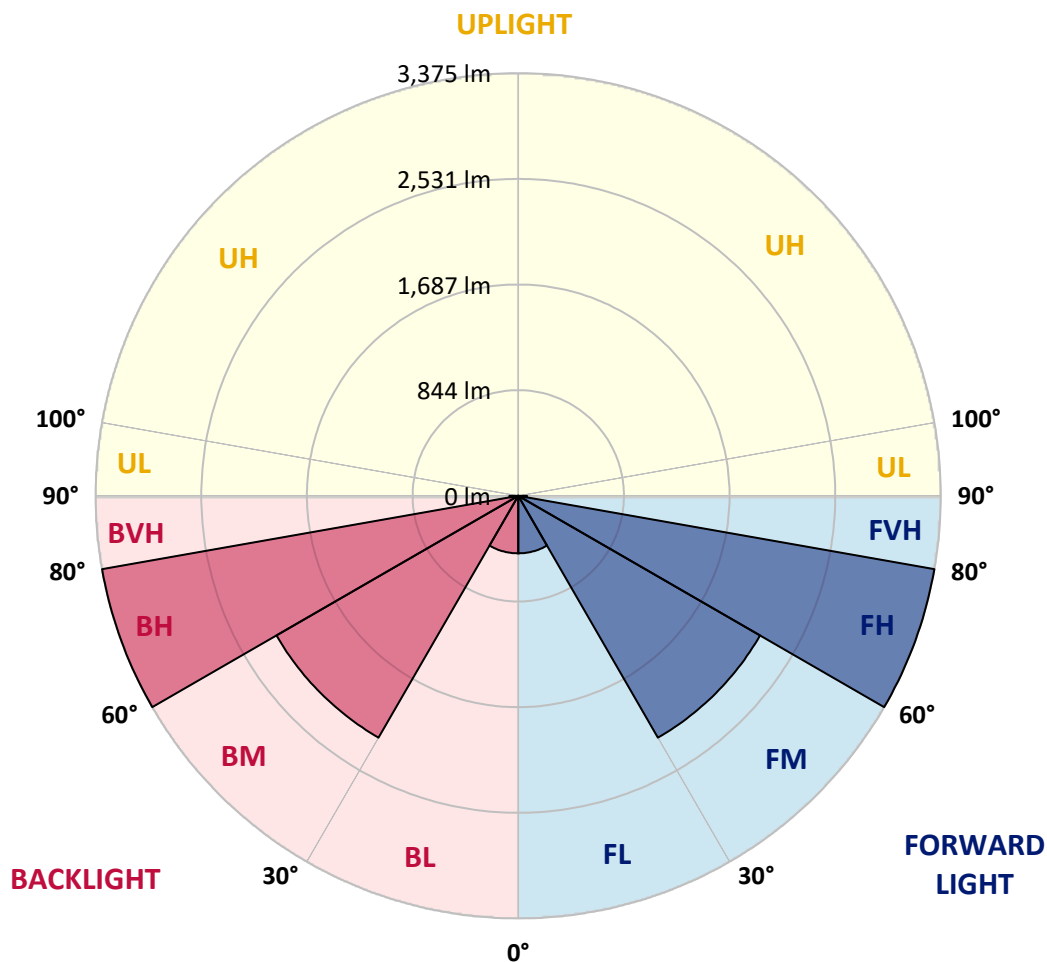


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.2	3.7			
FM (30°-60°)	2229.9	18.2			
FH (60°-80°)	3374.8	27.5			G2/5000
FVH (80°-90°)	70.1	0.6			G1/100
BL (0°-30°)	459.2	3.7	B1/500		
BM (30°-60°)	2229.9	18.2	B2/2500		
BH (60°-80°)	3374.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	70.1	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°	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1
2.5°	1112.1	1115.3	1114.0	1111.4	1111.4	1109.5	1111.4	1112.7	1114.6	1115.9
5°	1097.4	1100.0	1099.3	1097.4	1098.0	1096.1	1097.4	1099.3	1100.6	1101.2
7.5°	1084.7	1087.2	1085.9	1082.7	1082.7	1080.8	1081.5	1083.4	1085.3	1085.9
10°	1081.5	1084.0	1080.2	1075.1	1073.2	1070.6	1071.3	1073.2	1077.0	1078.9
12.5°	1082.7	1084.7	1080.8	1073.2	1071.3	1068.7	1068.7	1070.6	1075.7	1078.3
15°	1086.6	1088.5	1082.7	1074.5	1072.5	1070.6	1070.0	1072.5	1078.3	1082.7
17.5°	1093.6	1095.5	1086.6	1075.1	1072.5	1073.2	1072.5	1074.5	1083.4	1091.7
20°	1100.0	1101.2	1089.1	1075.1	1072.5	1073.2	1072.5	1076.4	1087.8	1099.3
22.5°	1101.9	1103.1	1091.7	1079.6	1077.6	1078.3	1077.6	1081.5	1092.3	1103.8
25°	1102.5	1104.4	1095.5	1085.9	1089.1	1090.4	1089.1	1089.8	1098.0	1108.2
27.5°	1112.1	1114.6	1106.3	1098.0	1100.0	1099.3	1101.2	1103.1	1109.5	1119.7
30°	1131.8	1133.8	1126.7	1118.5	1117.2	1112.7	1118.5	1124.8	1131.8	1140.8
32.5°	1164.4	1168.2	1159.3	1150.3	1144.6	1142.0	1146.5	1157.3	1166.9	1176.5
35°	1218.6	1221.1	1212.8	1196.2	1186.0	1186.0	1189.9	1203.9	1219.2	1231.3
37.5°	1295.1	1298.3	1283.6	1263.8	1248.5	1248.5	1253.6	1268.3	1291.3	1308.5
40°	1388.2	1392.6	1374.2	1353.7	1339.1	1336.5	1342.9	1359.5	1381.2	1402.8
42.5°	1500.4	1505.5	1481.3	1463.4	1451.9	1451.9	1455.1	1470.4	1490.2	1517.0
45°	1643.9	1652.8	1619.6	1601.8	1591.0	1593.5	1595.4	1608.8	1626.7	1657.3
47.5°	1814.8	1823.7	1788.6	1770.1	1768.2	1780.3	1772.7	1782.3	1791.8	1826.9
50°	2008.6	2023.9	1999.7	1998.4	2002.2	2024.6	2006.7	2011.8	2001.0	2023.3
52.5°	2245.8	2268.1	2263.7	2271.3	2314.1	2360.0	2319.2	2301.3	2260.5	2267.5
55°	2533.4	2567.2	2573.6	2619.5	2716.4	2810.2	2723.4	2651.4	2564.7	2548.7
57.5°	2860.5	2887.3	2917.9	3011.7	3192.8	3359.2	3192.8	3033.3	2896.9	2864.4
60°	3212.5	3245.7	3275.0	3413.4	3682.5	3916.5	3677.4	3424.2	3243.8	3199.8
62.5°	3590.6	3633.4	3653.8	3807.5	4121.2	4400.5	4125.6	3818.9	3618.7	3571.5
65°	3953.5	3988.5	4011.5	4175.4	4475.1	4755.0	4495.5	4193.2	3987.3	3925.4
67.5°	4122.5	4141.6	4197.7	4383.3	4699.5	5019.0	4753.1	4403.0	4172.8	4064.4
70°	3875.0	3836.1	3971.3	4268.5	4726.3	5181.0	4787.5	4259.6	3977.7	3801.7
72.5°	2994.4	2927.5	3162.1	3670.4	4420.2	5077.7	4450.8	3699.1	3308.2	2951.1
75°	1629.2	1553.3	1877.3	2520.0	3525.0	4401.1	3606.0	2592.1	2090.2	1617.1
77.5°	459.8	431.1	692.5	1219.2	2120.2	3090.1	2201.8	1246.0	821.3	487.2
80°	140.9	136.5	184.9	367.3	900.4	1480.0	865.3	371.8	235.3	148.6
82.5°	83.5	76.5	91.8	133.9	229.6	464.9	223.2	139.6	112.2	75.2
85°	47.8	44.6	54.2	65.0	77.2	98.8	64.4	66.3	59.9	40.2
87.5°	19.8	17.9	21.0	20.4	17.9	23.0	17.2	20.4	24.2	15.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1119.1
1115.3
1101.2
1085.9
1078.9
1078.9
1083.4
1091.7
1100.0
1103.8
1107.6
1117.2
1138.9
1172.7
1226.9
1302.1
1395.8
1515.1
1656.0
1816.7
2009.9
2243.9
2523.8
2841.4
3161.5
3533.3
3894.8
4065.7
3843.8
3039.7
1722.3
541.4
156.9
81.6
42.1
14.7
0.0

OF REPORT)