

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: P654246

Luminaire Tested: **GLAN-SA3B-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P654246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14951.3 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

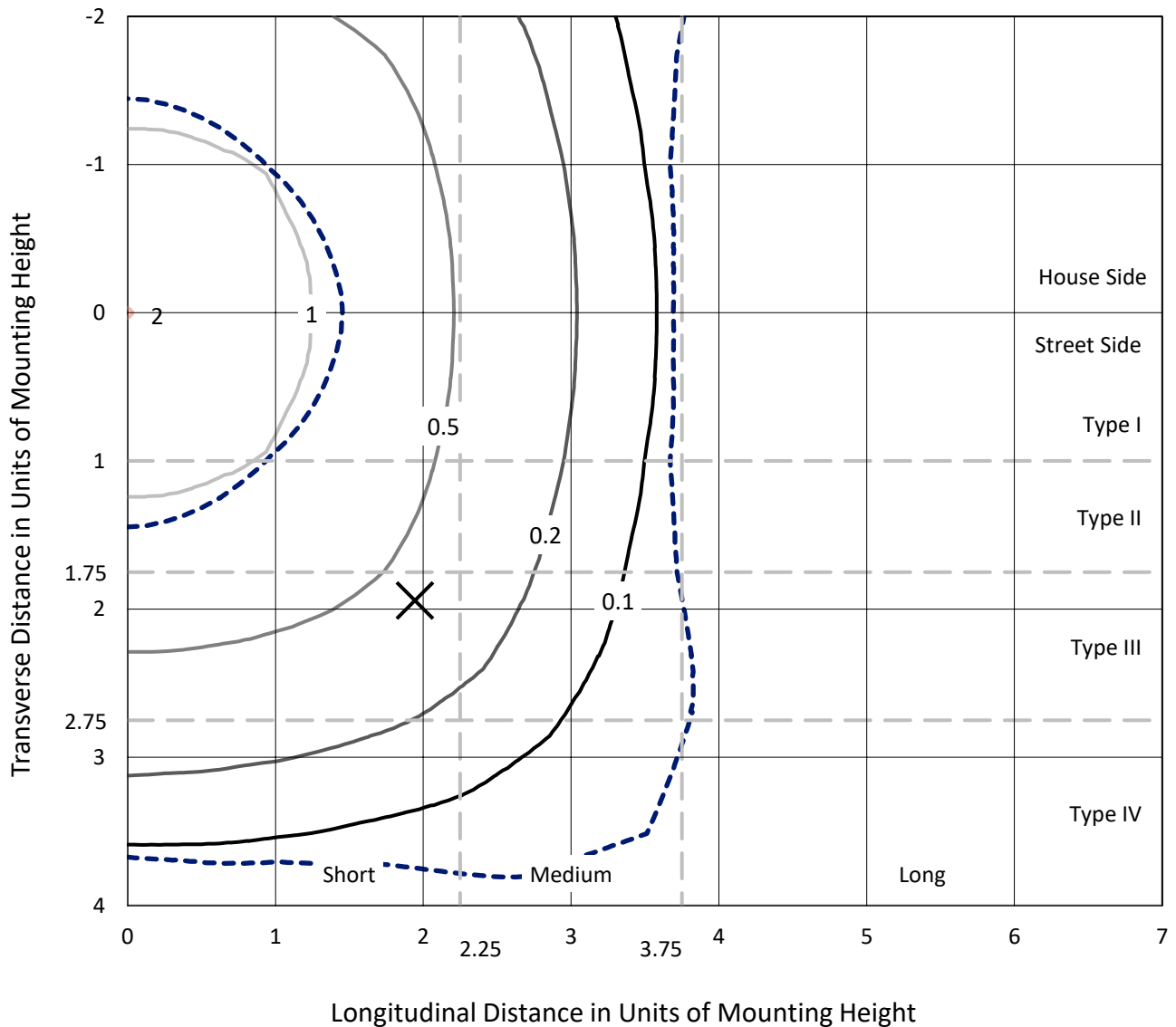
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

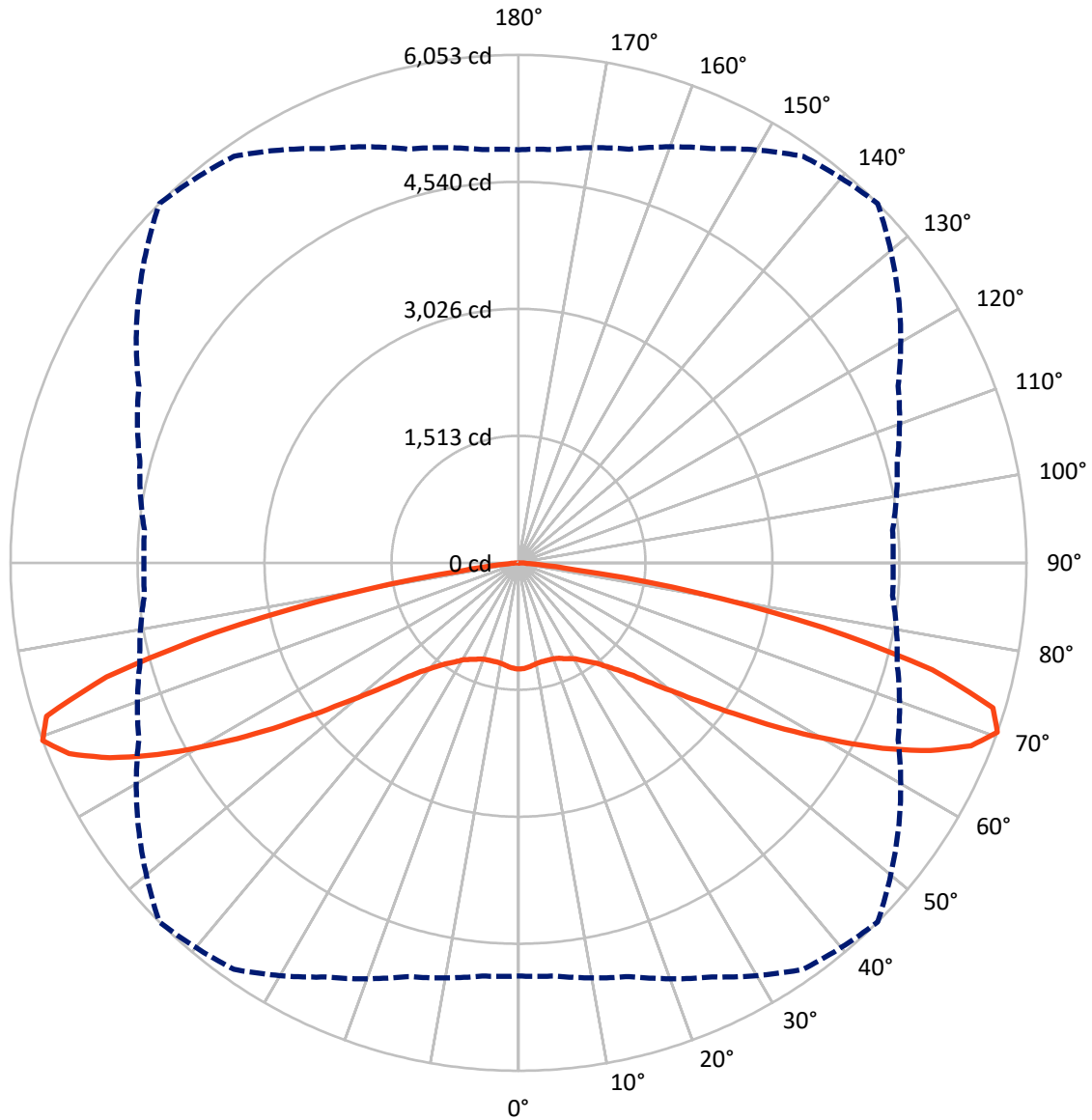
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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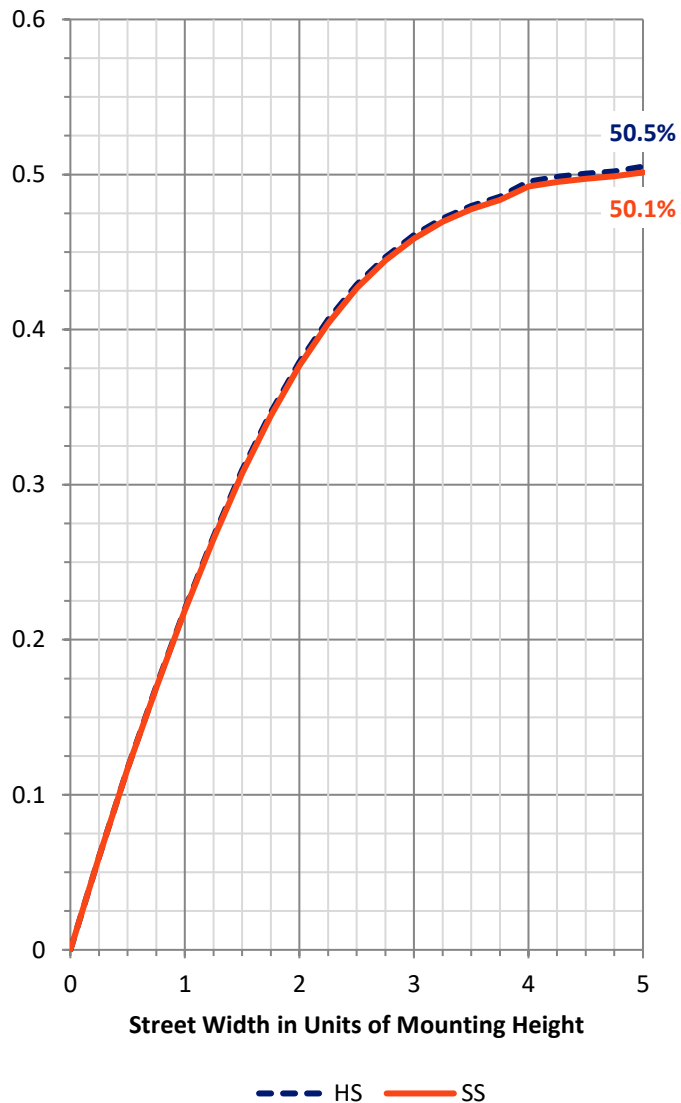
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7475.6	0.0	7475.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7475.6	0.0	7475.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14951.3	0.0	14951.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	0.8
10°-20°	346.6	2.3
20°-30°	590.5	3.9
30°-40°	915.2	6.1
40°-50°	1540.4	10.3
50°-60°	2802.7	18.7
60°-70°	4744.9	31.7
70°-80°	3672.7	24.6
80°-90°	220.1	1.5
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°	14951.3	100.0
0°-180°	14951.3	100.0

Coefficient of Utilization



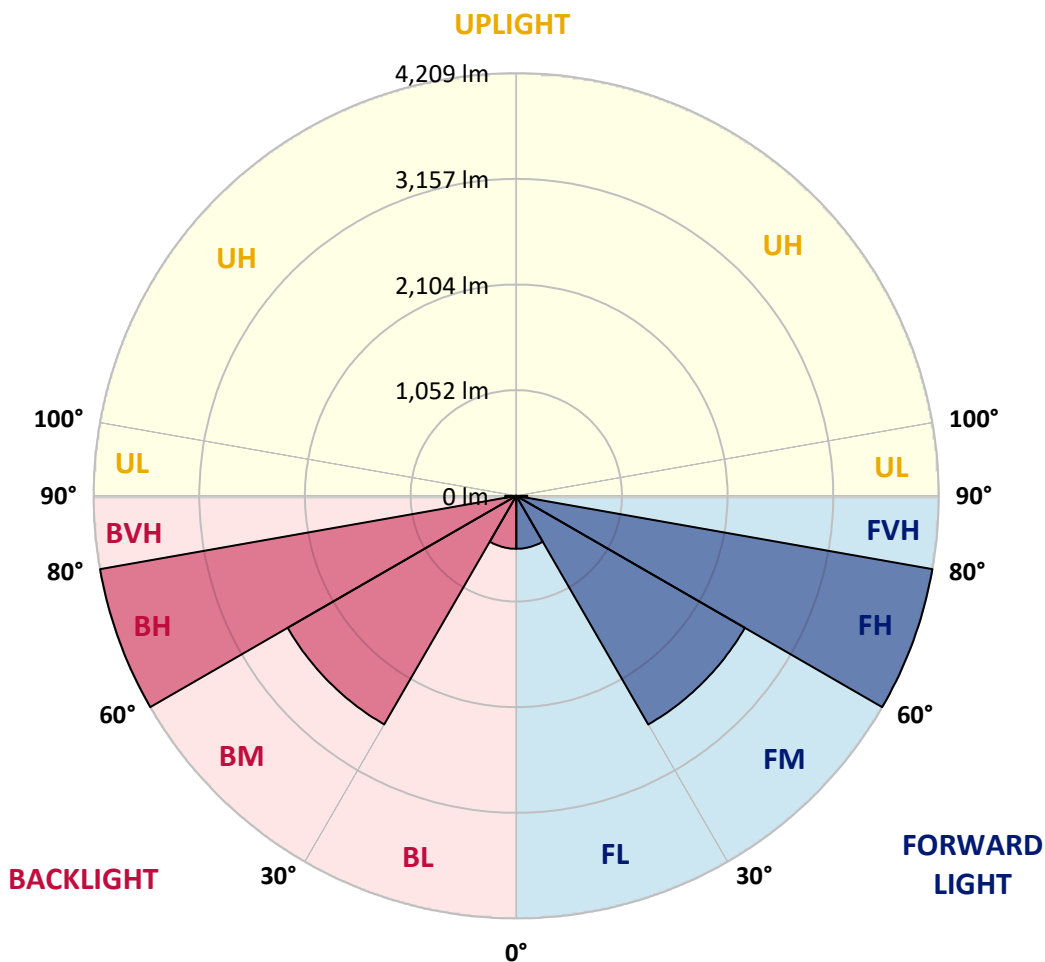
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.7	3.5			
FM (30°-60°)	2629.1	17.6			
FH (60°-80°)	4208.8	28.1			G2/5000
FVH (80°-90°)	110.0	0.7			G2/225
BL (0°-30°)	527.7	3.5	B2/1000		
BM (30°-60°)	2629.1	17.6	B3/5000		
BH (60°-80°)	4208.8	28.1	B4/5000		G2/5000
BVH (80°-90°)	110.0	0.7			G2/225
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°	90°
0°	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8
2.5°	1262.7	1263.4	1263.4	1261.8	1261.1	1261.1	1260.3	1260.3	1262.7	1263.4	1264.2
5°	1251.6	1251.6	1251.6	1250.8	1249.2	1249.2	1247.6	1247.6	1248.5	1250.8	1249.2
7.5°	1236.6	1238.2	1238.2	1235.0	1232.7	1232.7	1231.9	1232.7	1233.4	1235.8	1235.0
10°	1231.9	1232.7	1228.7	1223.2	1219.2	1216.8	1217.6	1219.2	1223.2	1224.7	1225.5
12.5°	1235.0	1235.0	1227.9	1220.0	1212.9	1209.8	1208.9	1214.5	1221.6	1226.3	1227.9
15°	1239.0	1237.4	1228.7	1218.4	1211.3	1210.5	1209.8	1213.7	1224.0	1233.4	1234.3
17.5°	1241.3	1240.6	1229.5	1216.8	1212.9	1212.9	1212.1	1215.2	1226.3	1238.2	1239.0
20°	1249.2	1246.9	1234.3	1220.8	1217.6	1219.2	1216.8	1220.8	1232.7	1246.9	1250.0
22.5°	1265.0	1262.7	1250.0	1236.6	1235.0	1235.0	1234.3	1238.2	1250.8	1265.8	1268.1
25°	1284.0	1281.6	1269.7	1260.3	1261.8	1265.0	1263.4	1264.2	1274.5	1287.2	1291.1
27.5°	1309.3	1305.3	1295.1	1287.2	1291.9	1291.9	1291.9	1291.1	1297.4	1309.3	1313.2
30°	1340.0	1338.5	1327.4	1326.6	1330.5	1326.6	1326.6	1327.4	1328.2	1339.2	1343.2
32.5°	1380.3	1377.1	1371.6	1370.1	1381.1	1384.3	1373.2	1362.9	1368.5	1379.5	1381.9
35°	1446.6	1441.9	1434.0	1425.3	1434.0	1449.0	1425.3	1417.4	1431.6	1446.6	1448.2
37.5°	1536.7	1534.3	1521.6	1505.9	1505.1	1520.9	1496.4	1495.6	1522.5	1540.6	1543.0
40°	1649.6	1652.0	1636.2	1621.1	1613.3	1625.9	1606.9	1614.0	1640.1	1660.6	1659.0
42.5°	1808.3	1799.7	1775.1	1760.9	1752.2	1747.5	1742.7	1753.8	1783.0	1805.1	1822.5
45°	1993.8	1990.7	1960.0	1942.5	1923.6	1916.5	1914.9	1934.6	1970.2	1997.0	1999.4
47.5°	2203.9	2196.8	2177.1	2158.9	2151.8	2143.1	2135.2	2150.2	2185.8	2204.7	2210.2
50°	2420.3	2421.8	2421.8	2418.7	2425.8	2427.4	2406.1	2411.6	2431.3	2429.7	2428.1
52.5°	2667.4	2676.1	2717.2	2721.1	2755.1	2778.0	2739.3	2716.4	2709.3	2666.6	2669.8
55°	2958.0	2966.0	3027.5	3089.1	3180.7	3219.4	3138.1	3067.0	3016.5	2951.7	2954.9
57.5°	3320.5	3324.4	3382.8	3501.3	3646.6	3737.4	3594.5	3453.9	3351.3	3289.7	3265.2
60°	3710.6	3714.5	3799.8	3944.3	4170.2	4280.7	4103.8	3874.1	3744.6	3650.5	3656.8
62.5°	4178.8	4194.7	4271.2	4470.3	4744.2	4868.2	4633.7	4326.5	4151.2	4034.4	4039.1
65°	4680.2	4707.1	4790.8	5009.6	5262.2	5395.7	5108.2	4753.7	4535.8	4392.8	4407.8
67.5°	5005.6	5029.3	5150.1	5391.7	5706.8	5817.4	5446.2	5033.2	4760.8	4590.3	4558.6
70°	4922.7	4942.4	5103.5	5446.2	5912.9	6052.7	5526.8	4992.2	4671.6	4475.0	4462.3
72.5°	4345.4	4304.4	4539.7	5031.6	5677.6	5912.1	5273.3	4559.5	4156.0	3953.8	3930.1
75°	2879.8	2969.1	3316.6	3896.1	4803.5	5094.0	4501.0	3660.8	3153.1	2984.9	2958.8
77.5°	962.6	1031.3	1340.0	2208.6	3274.7	3711.3	3279.4	2394.2	1693.8	1364.5	1370.8
80°	255.1	251.9	326.1	607.2	1415.1	2149.4	1647.2	811.0	443.8	321.3	304.8
82.5°	91.6	102.7	131.9	168.2	375.1	668.0	471.4	227.4	166.6	123.2	119.3
85°	40.3	39.4	56.9	67.1	93.9	124.8	110.6	96.4	84.5	56.1	52.1
87.5°	8.7	8.7	13.5	10.3	16.6	16.6	20.5	24.5	25.2	16.6	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)