

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: P526688

Luminaire Tested: **GLAN-SA1C-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4990 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

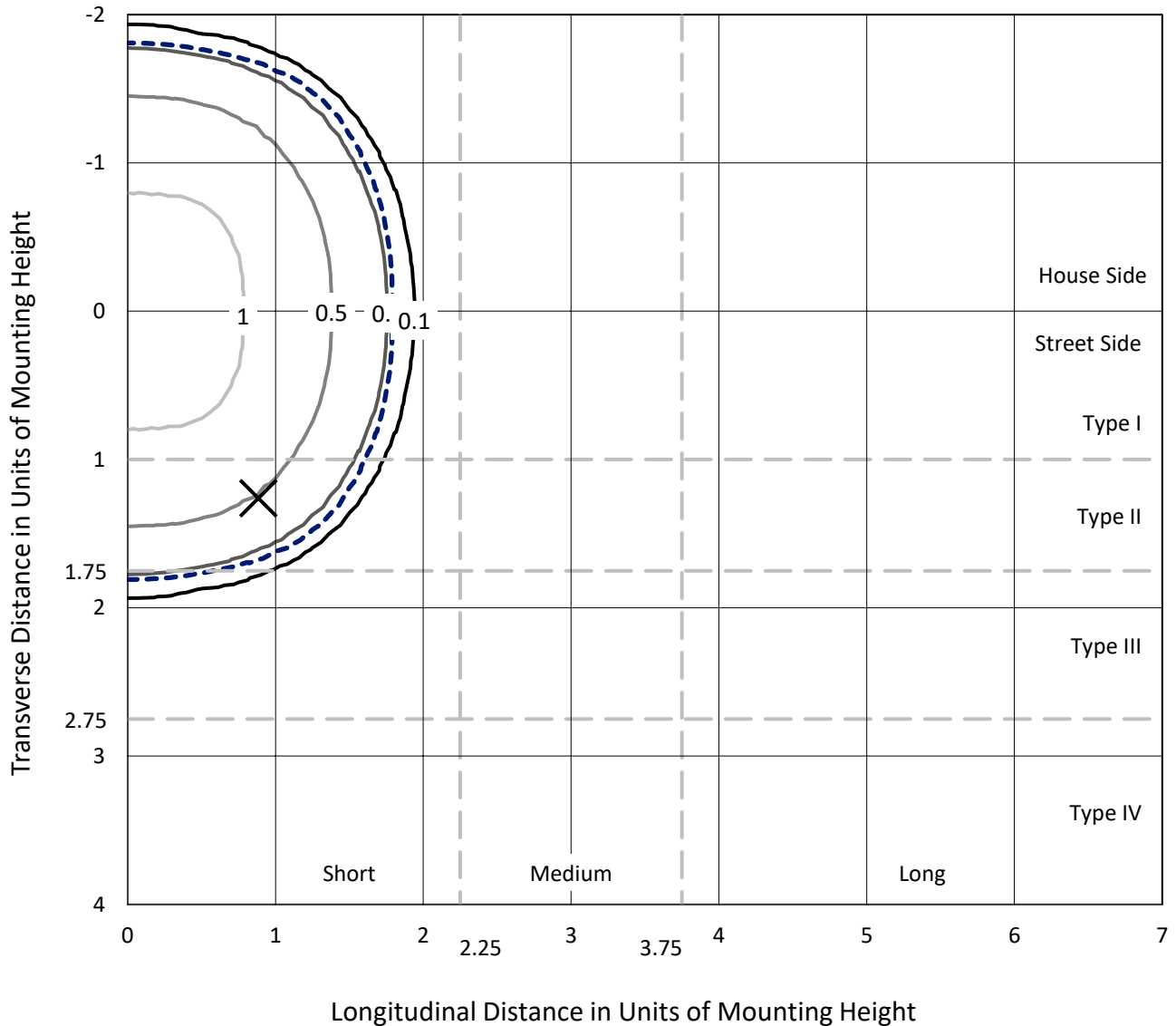
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

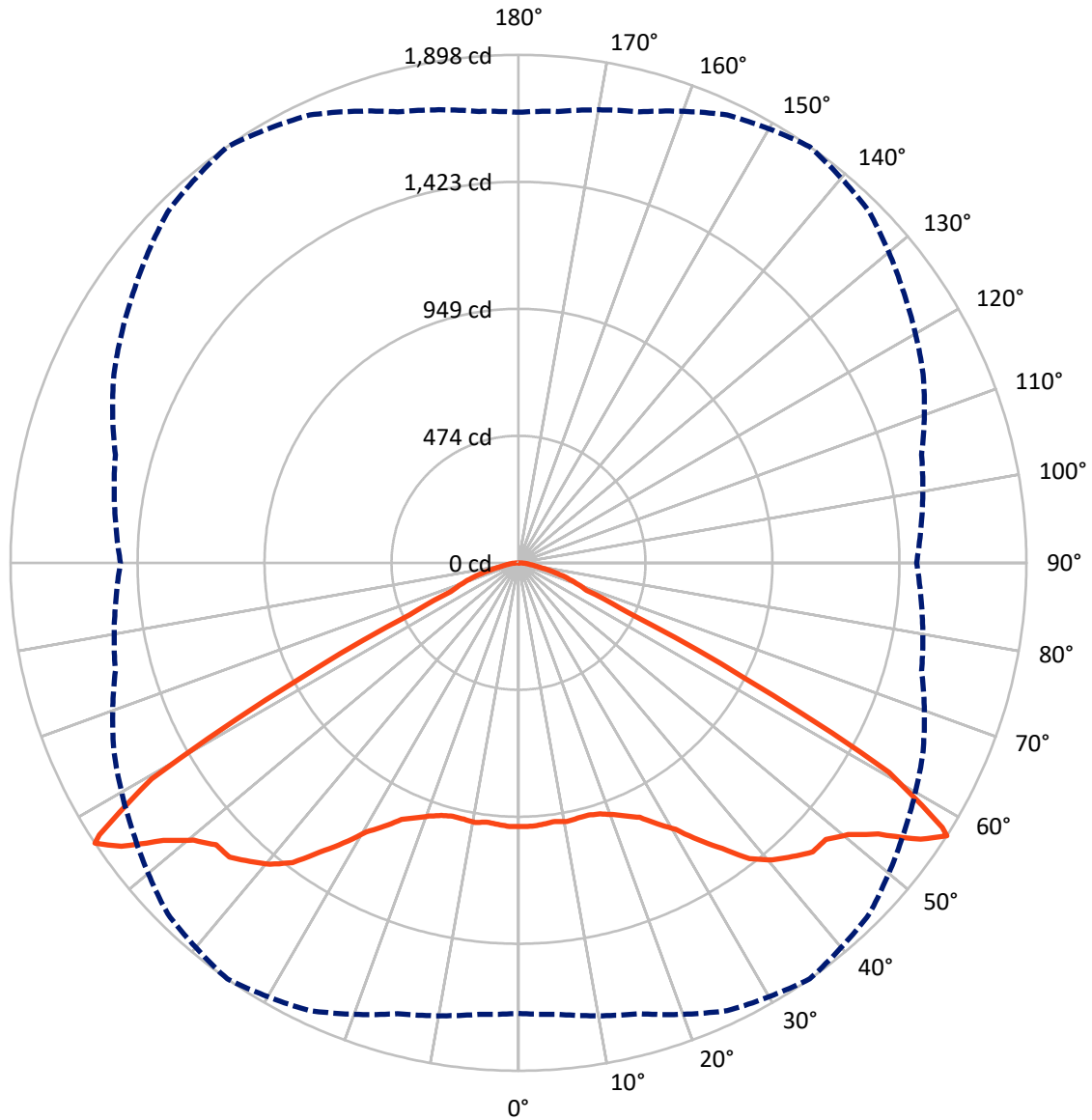
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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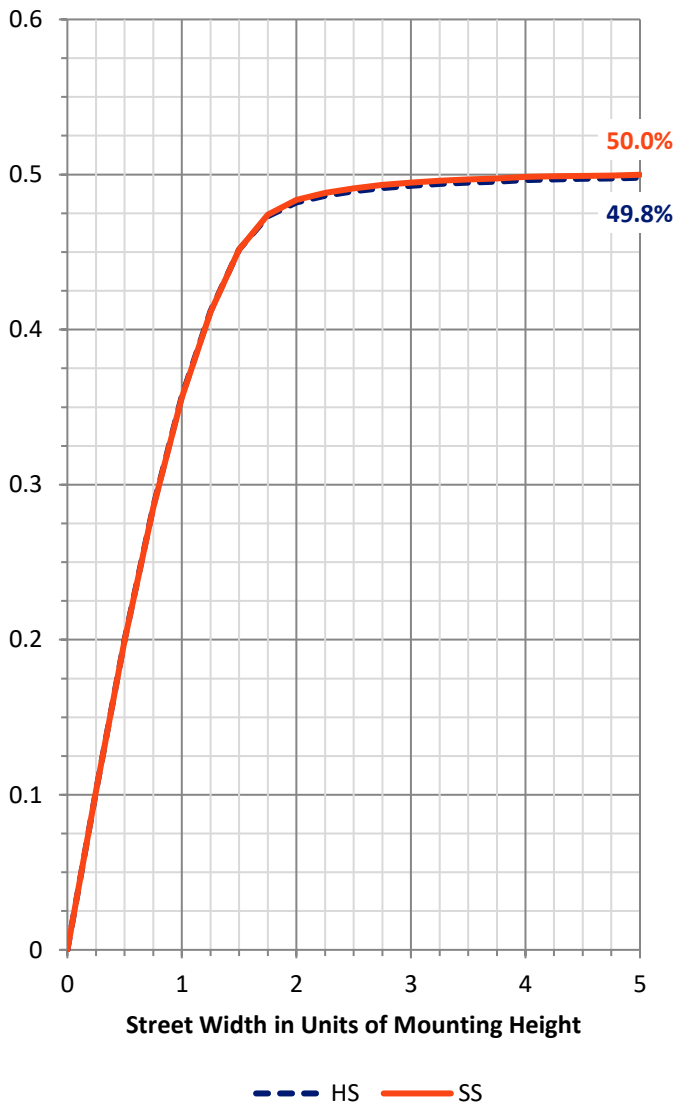
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2495.0	0.0	2495.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2495.0	0.0	2495.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4990.0	0.0	4990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.9
10°-20°	276.7	5.5
20°-30°	483.3	9.7
30°-40°	791.8	15.9
40°-50°	1161.0	23.3
50°-60°	1462.4	29.3
60°-70°	550.0	11.0
70°-80°	146.2	2.9
80°-90°	25.1	0.5
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°	4990.0	100.0
0°-180°	4990.0	100.0

Coefficient of Utilization



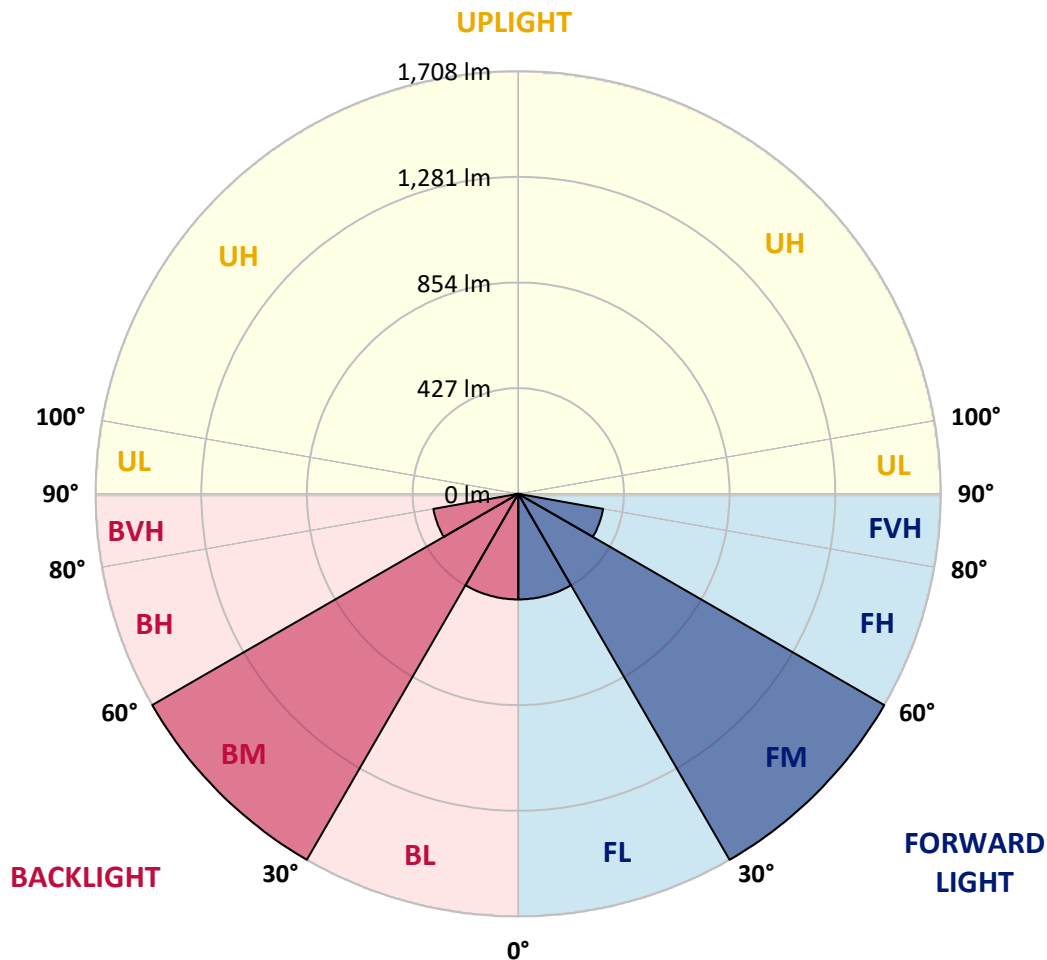
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.7	8.6			
FM (30°-60°)	1707.6	34.2			
FH (60°-80°)	348.1	7.0			G0/660
FVH (80°-90°)	12.5	0.3			G1/100
BL (0°-30°)	426.7	8.6	B1/500		
BM (30°-60°)	1707.6	34.2	B2/2500		
BH (60°-80°)	348.1	7.0	B1/500		G0/660
BVH (80°-90°)	12.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5
2.5°	980.6	990.4	986.1	983.6	985.5	982.4	977.5	983.0	981.8	976.9	975.0
5°	978.1	985.5	980.6	985.5	980.6	989.2	986.7	977.5	988.6	978.1	981.8
7.5°	976.3	978.7	980.0	977.5	975.7	986.1	980.6	976.3	970.1	968.3	971.3
10°	972.0	978.1	968.9	981.2	983.6	976.3	976.3	968.3	963.4	960.3	970.7
12.5°	983.0	972.6	971.3	977.5	979.3	982.4	973.8	969.5	960.3	961.5	959.7
15°	970.1	974.4	975.0	976.3	978.1	985.5	977.5	968.3	964.6	951.7	952.9
17.5°	975.0	970.7	975.0	989.2	986.7	992.3	983.6	969.5	960.9	953.5	963.4
20°	983.6	981.8	983.6	1000.9	1003.9	1008.8	1001.5	988.6	972.0	963.4	968.3
22.5°	992.9	991.6	992.9	1009.5	1027.3	1033.4	1026.1	995.9	987.3	971.3	965.8
25°	1009.5	1010.7	1023.6	1042.0	1053.7	1065.4	1051.9	1030.4	1002.7	992.9	981.2
27.5°	1046.4	1049.4	1056.8	1083.9	1104.1	1114.6	1095.5	1066.0	1048.8	1028.5	1025.4
30°	1091.8	1091.8	1104.8	1128.1	1155.8	1171.8	1148.4	1113.4	1092.5	1081.4	1074.6
32.5°	1152.1	1145.3	1150.2	1191.4	1234.5	1248.0	1216.6	1173.6	1140.4	1125.7	1120.7
35°	1203.7	1208.0	1219.1	1263.4	1311.3	1342.7	1293.5	1237.5	1203.7	1190.2	1187.8
37.5°	1270.7	1278.1	1283.7	1344.5	1402.3	1414.0	1366.7	1321.8	1280.6	1269.5	1263.4
40°	1365.4	1360.5	1362.3	1407.2	1459.5	1466.9	1420.1	1388.2	1354.4	1347.6	1347.6
42.5°	1443.5	1438.0	1444.1	1460.7	1500.7	1495.1	1469.3	1446.0	1431.8	1424.4	1431.8
45°	1490.8	1489.6	1500.7	1513.0	1541.2	1522.8	1502.5	1506.2	1492.7	1480.4	1479.8
47.5°	1542.5	1534.5	1548.0	1566.5	1544.9	1536.3	1535.1	1543.1	1538.8	1517.3	1510.5
50°	1567.7	1564.6	1586.1	1607.6	1596.0	1576.3	1580.6	1593.5	1538.2	1509.3	1492.7
52.5°	1635.3	1635.9	1677.1	1688.8	1683.9	1655.0	1664.2	1629.2	1564.0	1523.4	1525.3
55°	1741.7	1737.4	1783.5	1817.9	1823.4	1786.5	1742.3	1693.1	1611.3	1570.1	1557.8
57°	1683.3	1693.1	1744.1	1846.2	1897.8	1854.2	1757.6	1667.9	1559.1	1509.3	1487.1
57.5°	1605.2	1621.2	1709.7	1812.4	1866.5	1862.8	1738.6	1621.2	1524.0	1446.6	1448.4
60°	1176.1	1179.1	1259.1	1422.0	1591.0	1594.7	1443.5	1288.0	1179.8	1095.5	1107.2
62.5°	620.3	634.5	666.4	797.4	943.7	979.3	887.7	807.8	714.4	650.4	656.6
65°	328.3	326.4	341.8	378.7	450.6	469.1	456.8	393.5	360.9	350.4	351.0
67.5°	266.8	269.9	268.0	269.9	274.8	282.8	281.0	283.4	285.3	288.3	287.7
70°	226.2	226.2	227.5	228.1	228.1	231.8	236.1	244.1	244.7	247.8	249.0
72.5°	178.3	177.1	178.9	183.2	183.8	186.9	193.0	198.0	199.8	199.8	196.1
75°	121.1	122.3	124.8	128.5	132.2	137.7	142.6	145.7	146.9	145.1	143.2
77.5°	68.2	69.5	71.3	76.8	81.2	86.1	91.6	94.7	97.7	98.4	94.7
80°	40.6	40.6	43.6	48.0	52.9	57.8	62.7	66.4	67.6	67.6	65.8
82.5°	24.6	25.2	27.7	32.0	36.3	39.3	43.6	46.7	49.2	48.6	47.3
85°	12.9	12.9	15.4	19.1	22.1	25.2	25.2	23.4	22.1	19.1	17.8
87.5°	4.3	3.7	4.9	4.9	4.3	4.9	4.9	5.5	5.5	5.5	5.5
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)