

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: P527156

Luminaire Tested: **GLAN-SA2A-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527156  
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-SA2A-830-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6451 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

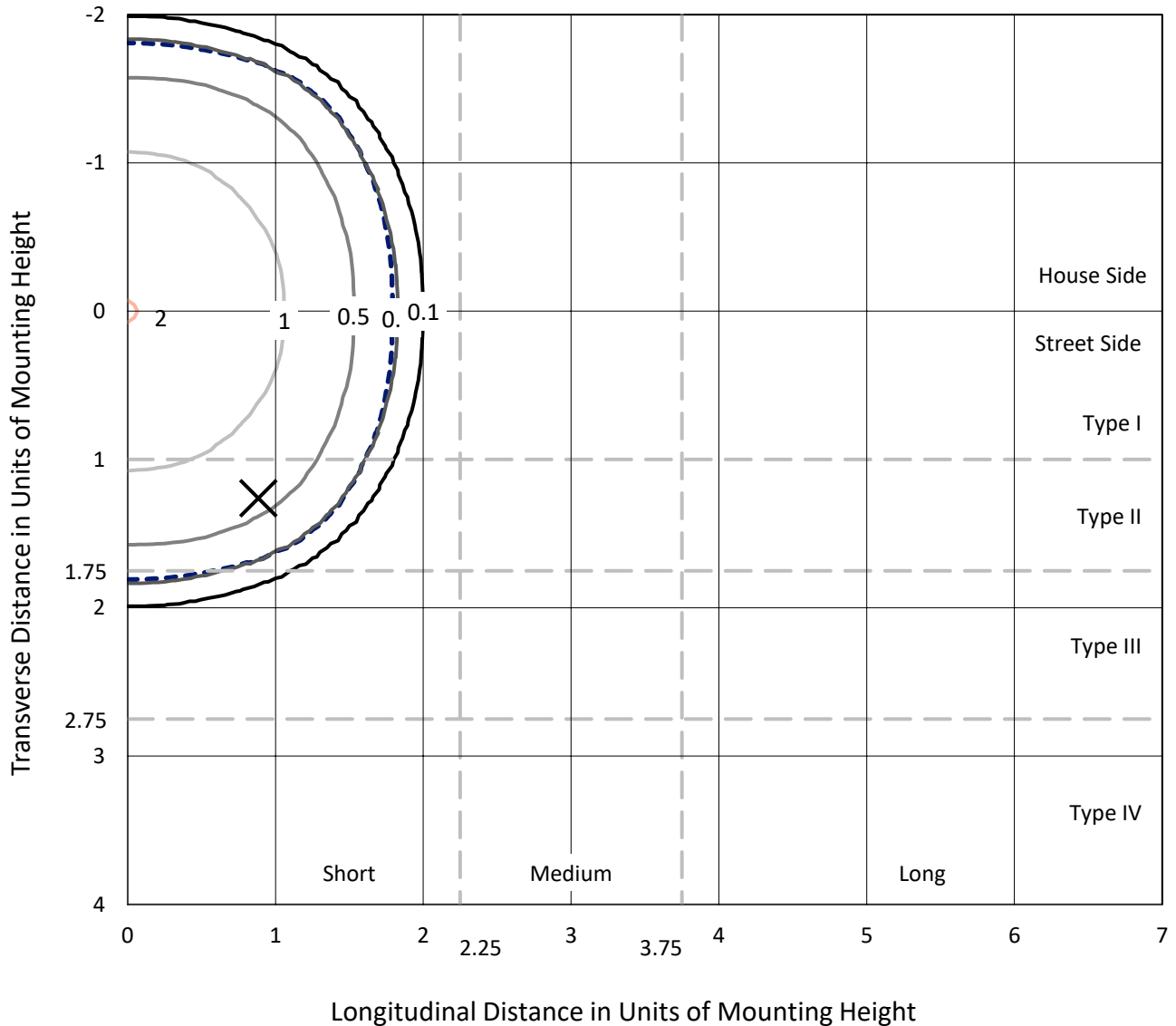
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

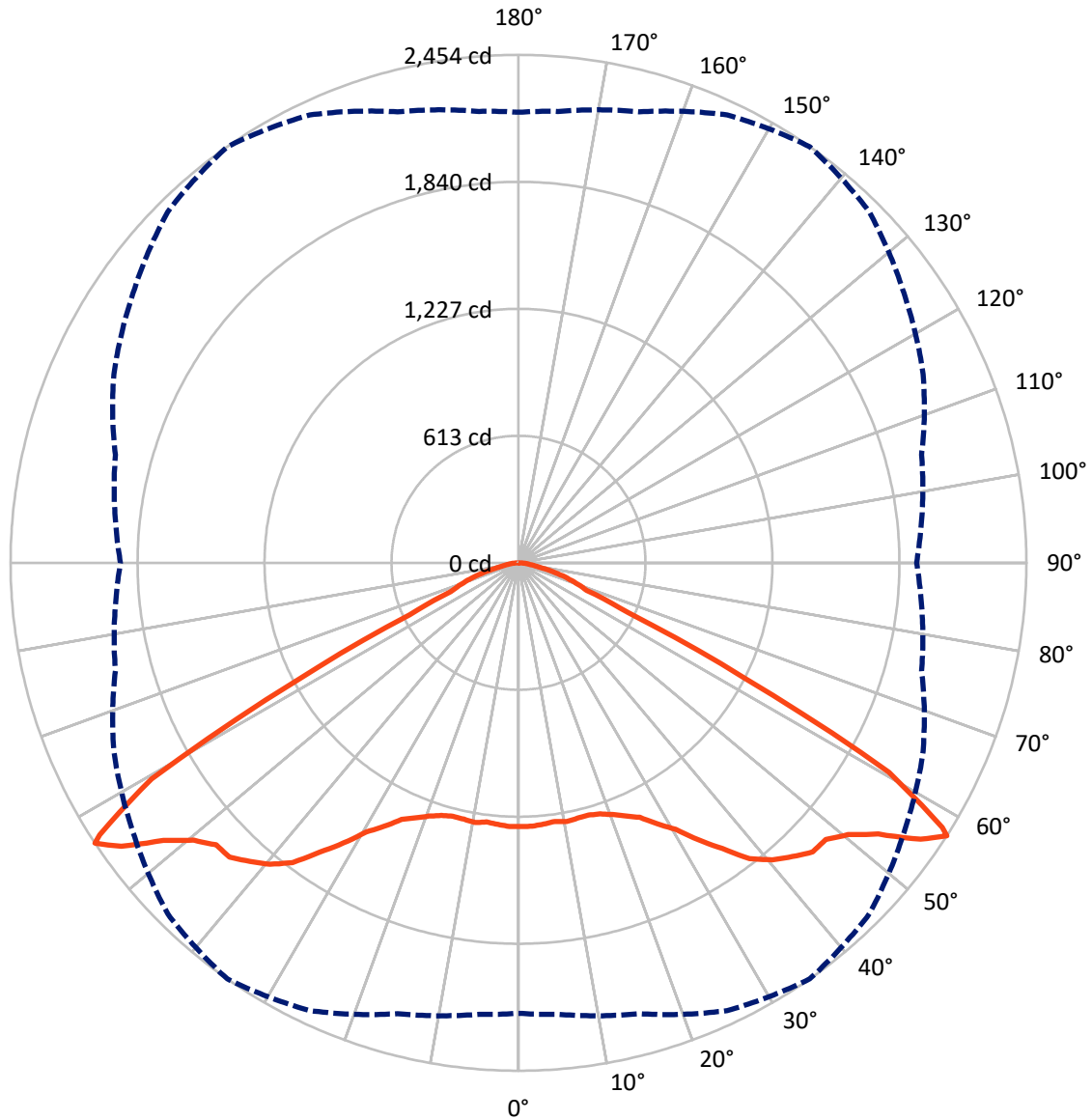
× Max cd  
 - - - 1/2 Max cd



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

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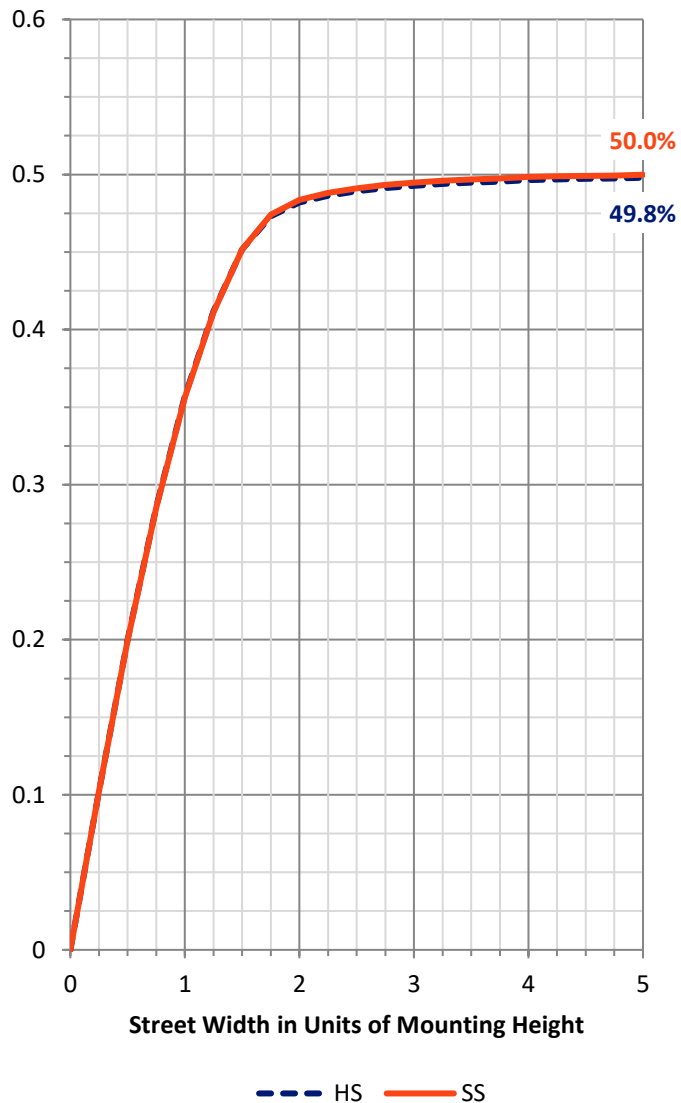
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3225.5	0.0	3225.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3225.5	0.0	3225.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6451.0	0.0	6451.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.8	1.9
10°-20°	357.7	5.5
20°-30°	624.8	9.7
30°-40°	1023.7	15.9
40°-50°	1501.0	23.3
50°-60°	1890.6	29.3
60°-70°	711.0	11.0
70°-80°	189.1	2.9
80°-90°	32.4	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°	6451.0	100.0
0°-180°	6451.0	100.0

**Coefficient of Utilization**



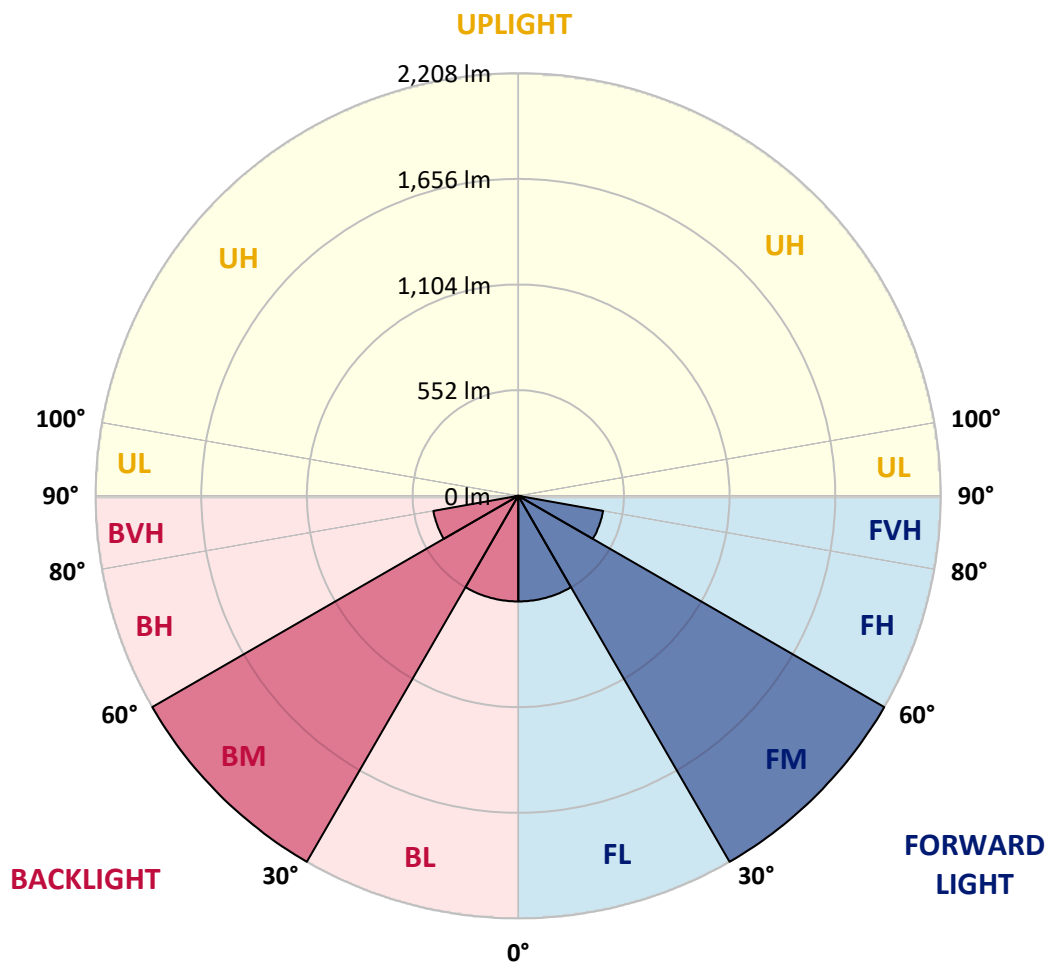
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.6	8.6			
FM (30°-60°)	2207.6	34.2			
FH (60°-80°)	450.0	7.0			G0/660
FVH (80°-90°)	16.2	0.3			G1/100
BL (0°-30°)	551.6	8.6	B2/1000		
BM (30°-60°)	2207.6	34.2	B2/2500		
BH (60°-80°)	450.0	7.0	B1/500		G0/660
BVH (80°-90°)	16.2	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°	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0
2.5°	1267.7	1280.4	1274.8	1271.6	1274.0	1270.1	1263.7	1270.8	1269.3	1262.9	1260.5
5°	1264.5	1274.0	1267.7	1274.0	1267.7	1278.8	1275.6	1263.7	1278.0	1264.5	1269.3
7.5°	1262.1	1265.3	1266.9	1263.7	1261.3	1274.8	1267.7	1262.1	1254.2	1251.8	1255.7
10°	1256.5	1264.5	1252.6	1268.5	1271.6	1262.1	1262.1	1251.8	1245.4	1241.4	1255.0
12.5°	1270.8	1257.3	1255.7	1263.7	1266.1	1270.1	1258.9	1253.4	1241.4	1243.0	1240.6
15°	1254.2	1259.7	1260.5	1262.1	1264.5	1274.0	1263.7	1251.8	1247.0	1230.3	1231.9
17.5°	1260.5	1255.0	1260.5	1278.8	1275.6	1282.8	1271.6	1253.4	1242.2	1232.7	1245.4
20°	1271.6	1269.3	1271.6	1293.9	1297.9	1304.2	1294.7	1278.0	1256.5	1245.4	1251.8
22.5°	1283.6	1282.0	1283.6	1305.0	1328.1	1336.0	1326.5	1287.5	1276.4	1255.7	1248.6
25°	1305.0	1306.6	1323.3	1347.1	1362.2	1377.3	1359.9	1332.0	1296.3	1283.6	1268.5
27.5°	1352.7	1356.7	1366.2	1401.2	1427.4	1440.9	1416.3	1378.1	1355.9	1329.7	1325.7
30°	1411.5	1411.5	1428.2	1458.4	1494.2	1514.8	1484.6	1439.3	1412.3	1398.0	1389.3
32.5°	1489.4	1480.7	1487.0	1540.3	1595.9	1613.4	1572.9	1517.2	1474.3	1455.2	1448.9
35°	1556.2	1561.7	1576.0	1633.3	1695.3	1735.8	1672.2	1599.9	1556.2	1538.7	1535.5
37.5°	1642.8	1652.3	1659.5	1738.2	1812.9	1828.0	1766.8	1708.8	1655.5	1641.2	1633.3
40°	1765.2	1758.8	1761.2	1819.2	1886.8	1896.3	1835.9	1794.6	1750.9	1742.1	1742.1
42.5°	1866.1	1859.0	1866.9	1888.4	1940.0	1932.9	1899.5	1869.3	1851.0	1841.5	1851.0
45°	1927.3	1925.7	1940.0	1955.9	1992.5	1968.7	1942.4	1947.2	1929.7	1913.8	1913.0
47.5°	1994.1	1983.8	2001.2	2025.1	1997.3	1986.1	1984.6	1994.9	1989.3	1961.5	1952.8
50°	2026.7	2022.7	2050.5	2078.3	2063.2	2037.8	2043.4	2060.1	1988.5	1951.2	1929.7
52.5°	2114.1	2114.9	2168.1	2183.2	2176.9	2139.5	2151.5	2106.2	2021.9	1969.5	1971.8
55°	2251.6	2246.0	2305.6	2350.2	2357.3	2309.6	2252.4	2188.8	2083.1	2029.9	2014.0
57°	2176.1	2188.8	2254.8	2386.7	2453.5	2397.0	2272.3	2156.2	2015.6	1951.2	1922.6
57.5°	2075.2	2095.8	2210.3	2343.0	2412.9	2408.2	2247.6	2095.8	1970.2	1870.1	1872.5
60°	1520.4	1524.4	1627.7	1838.3	2056.9	2061.6	1866.1	1665.1	1525.2	1416.3	1431.4
62.5°	801.9	820.2	861.5	1030.8	1220.0	1266.1	1147.7	1044.3	923.5	840.9	848.8
65°	424.4	422.0	441.9	489.6	582.6	606.4	590.5	508.7	466.5	453.0	453.8
67.5°	344.9	348.9	346.5	348.9	355.3	365.6	363.2	366.4	368.8	372.7	372.0
70°	292.5	292.5	294.1	294.9	294.9	299.6	305.2	315.5	316.3	320.3	321.9
72.5°	230.5	228.9	231.3	236.8	237.6	241.6	249.6	255.9	258.3	258.3	253.5
75°	156.6	158.2	161.3	166.1	170.9	178.0	184.4	188.4	190.0	187.6	185.2
77.5°	88.2	89.8	92.2	99.3	104.9	111.3	118.4	122.4	126.4	127.2	122.4
80°	52.5	52.5	56.4	62.0	68.4	74.7	81.1	85.8	87.4	87.4	85.0
82.5°	31.8	32.6	35.8	41.3	46.9	50.9	56.4	60.4	63.6	62.8	61.2
85°	16.7	16.7	19.9	24.6	28.6	32.6	32.6	30.2	28.6	24.6	23.0
87.5°	5.6	4.8	6.4	6.4	5.6	6.4	6.4	7.2	7.2	7.2	7.2
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)