

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: P317066

Luminaire Tested: **GAN-SA2A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8875 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

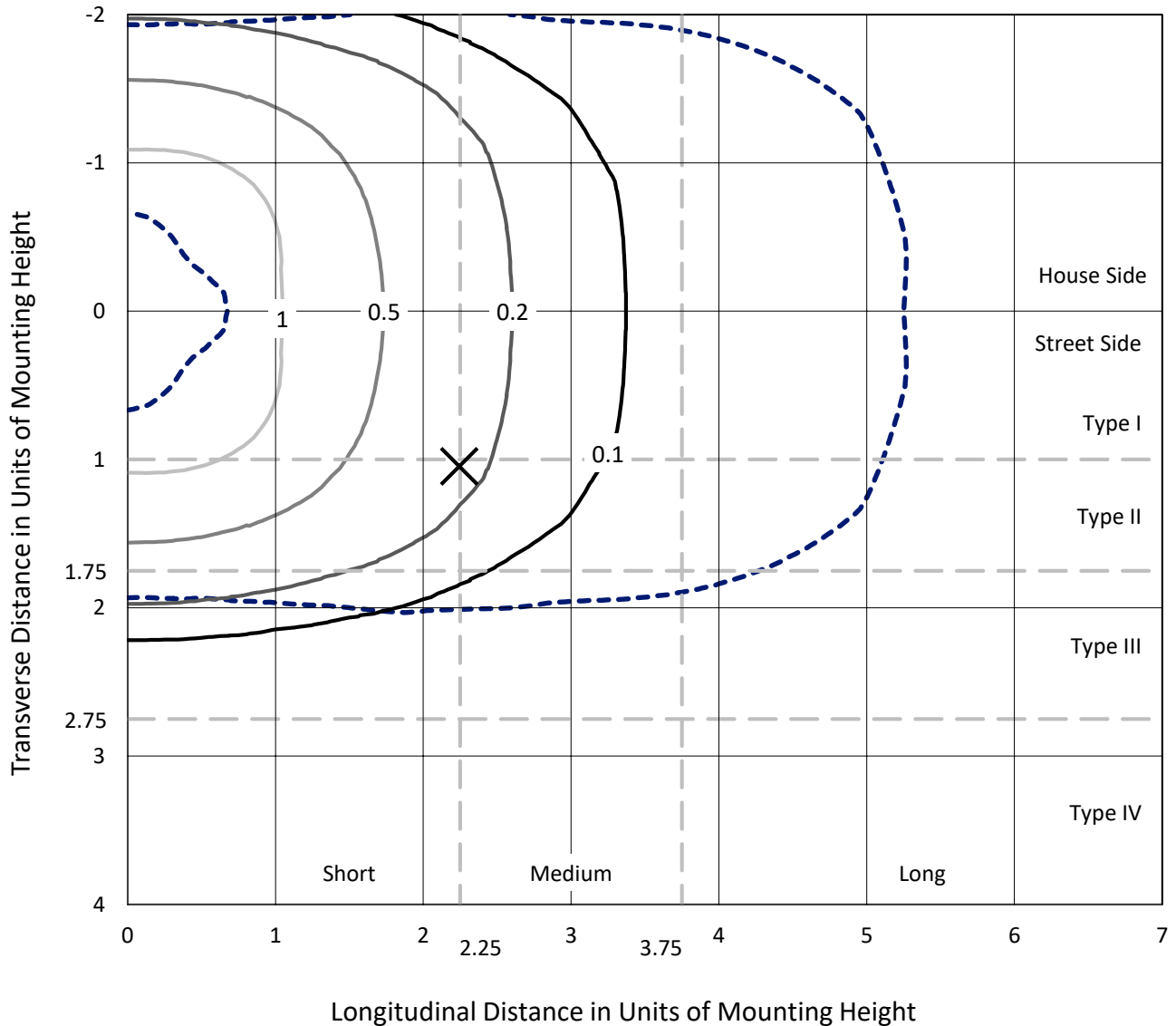
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

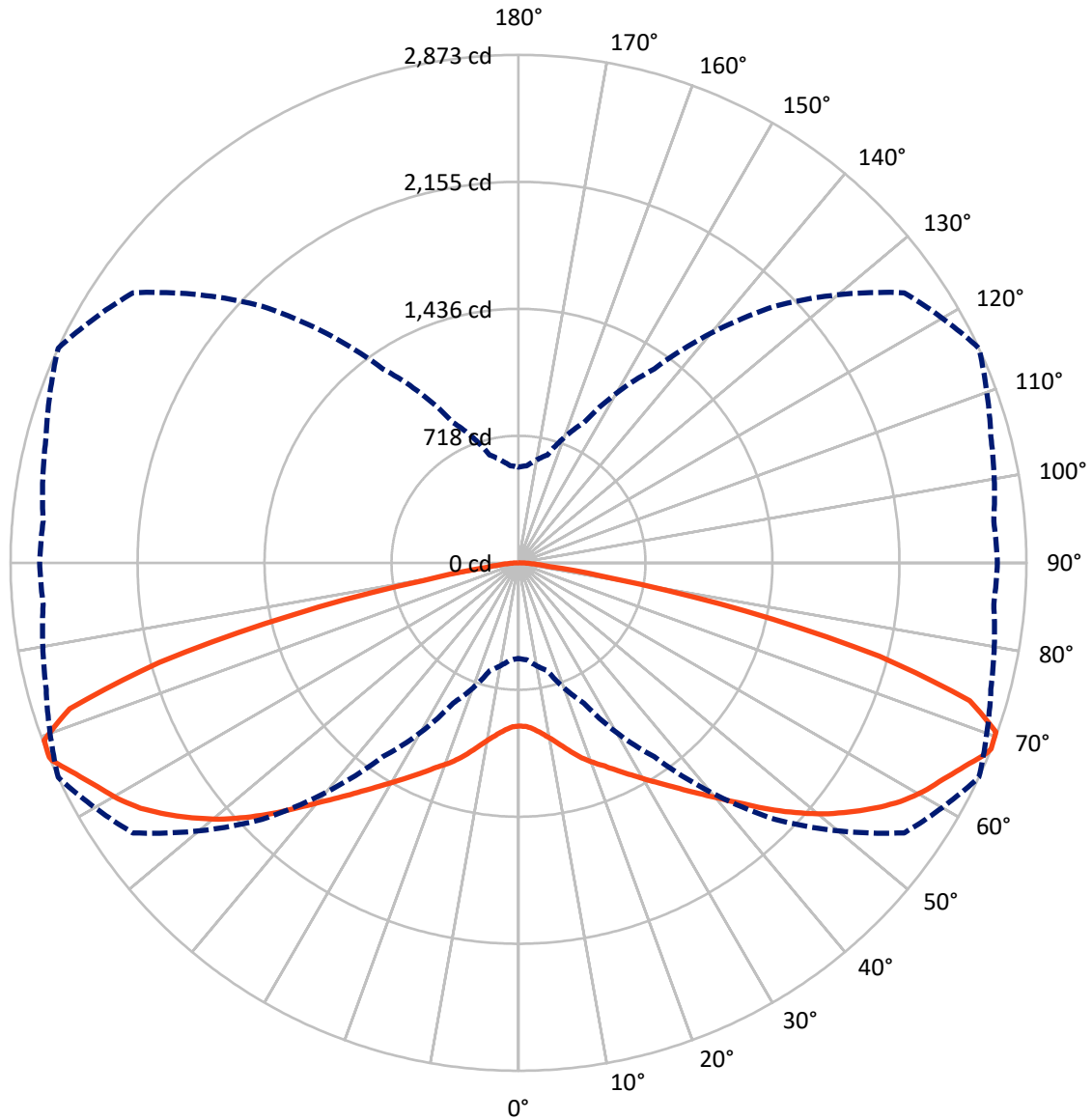
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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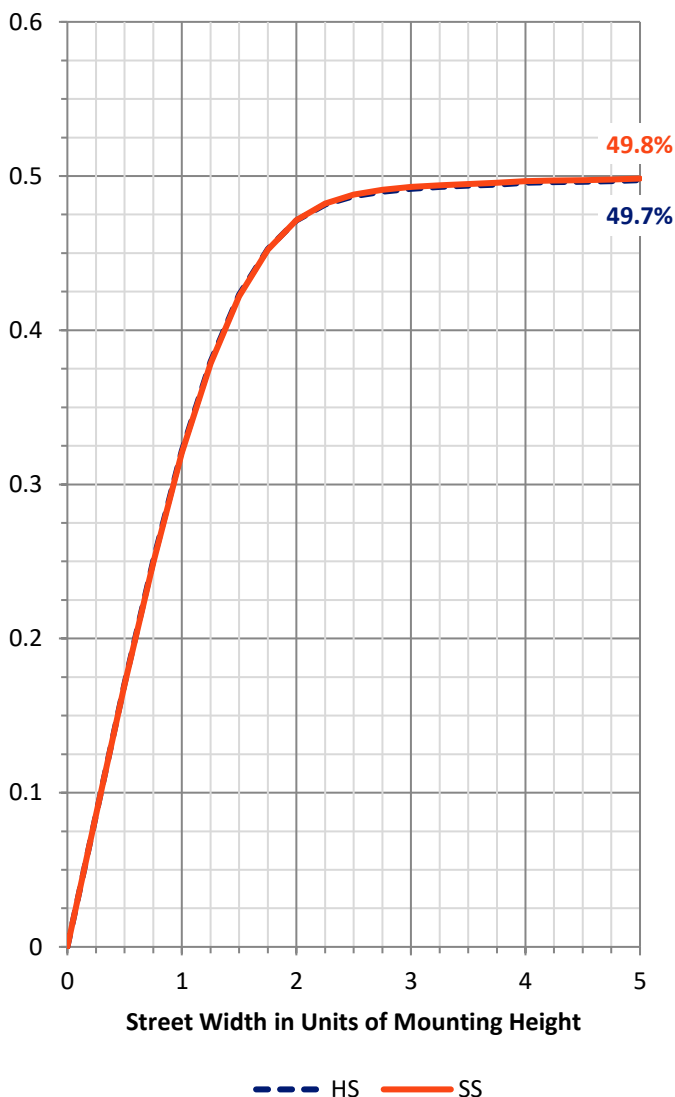
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4437.5	0.0	4437.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4437.5	0.0	4437.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8875.0	0.0	8875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.0
10°-20°	302.5	3.4
20°-30°	589.8	6.6
30°-40°	990.9	11.2
40°-50°	1561.3	17.6
50°-60°	2088.0	23.5
60°-70°	2029.7	22.9
70°-80°	1109.6	12.5
80°-90°	112.8	1.3
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°	8875.0	100.0
0°-180°	8875.0	100.0

Coefficient of Utilization



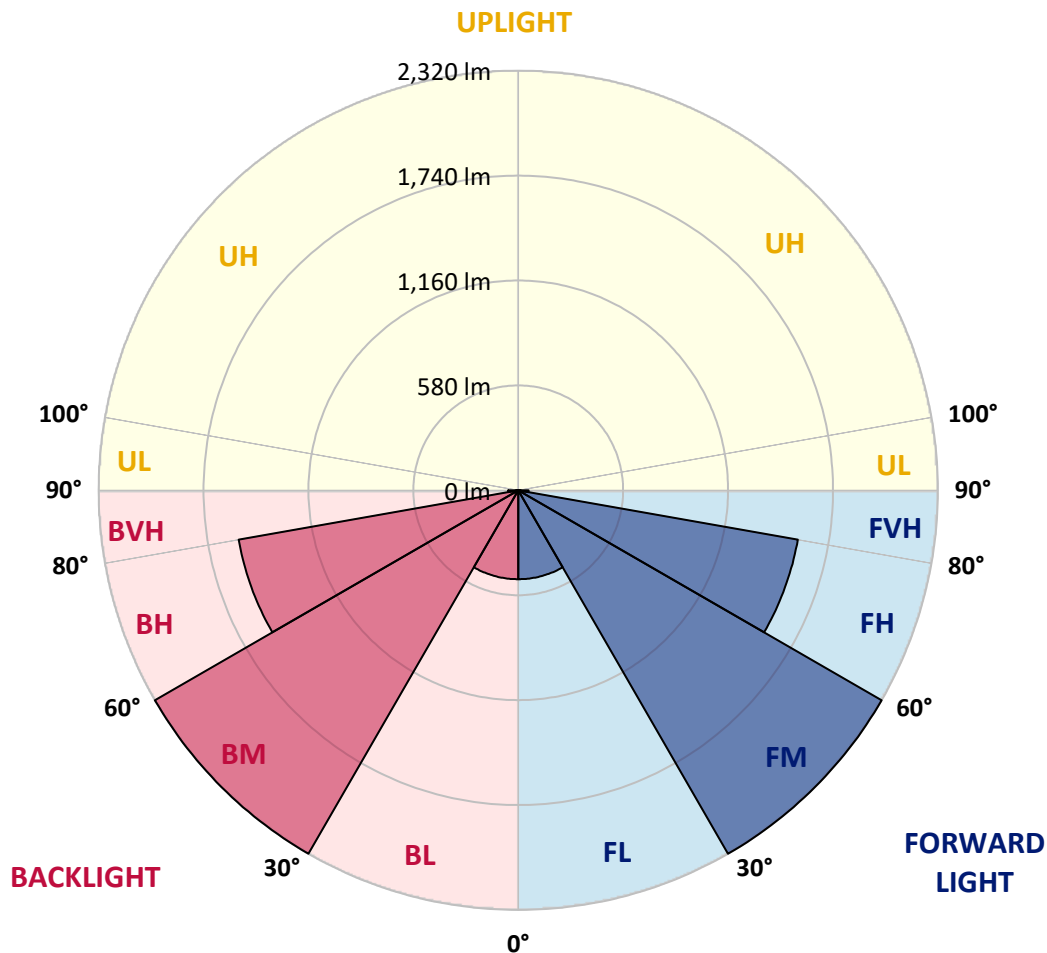
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 CATALOG NUMBER: GAN-SA2A-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.4	5.5			
FM (30°-60°)	2320.1	26.1			
FH (60°-80°)	1569.7	17.7			G1/1800
FVH (80°-90°)	56.4	0.6			G1/100
BL (0°-30°)	491.4	5.5	B1/500		
BM (30°-60°)	2320.1	26.1	B2/2500		
BH (60°-80°)	1569.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	56.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8
2.5°	916.2	916.5	918.0	919.8	921.3	925.2	926.1	927.6	928.1	929.6	929.6
5°	908.2	908.8	912.4	917.1	922.5	932.0	938.9	946.6	950.5	954.6	954.3
7.5°	907.3	908.8	913.9	921.6	930.5	946.3	960.6	976.1	986.5	996.0	995.4
10°	916.5	918.9	926.1	937.7	951.1	970.7	991.8	1012.7	1030.8	1045.4	1046.0
12.5°	930.5	933.5	944.8	962.4	982.6	1007.9	1032.9	1056.4	1081.4	1103.1	1104.9
15°	949.0	952.8	969.8	996.0	1026.9	1057.0	1083.8	1107.9	1136.8	1166.8	1169.8
17.5°	976.4	981.7	1004.0	1039.4	1080.2	1113.2	1141.2	1159.4	1183.5	1214.4	1220.1
20°	1018.0	1024.9	1053.1	1095.4	1145.1	1179.6	1201.0	1204.9	1216.8	1244.5	1251.0
22.5°	1072.2	1078.1	1109.7	1160.0	1215.6	1253.1	1264.4	1248.9	1247.7	1270.1	1276.3
25°	1132.6	1137.9	1174.5	1231.1	1290.9	1332.3	1332.0	1301.9	1281.1	1298.3	1304.9
27.5°	1200.4	1208.8	1243.9	1303.4	1367.4	1408.1	1405.8	1359.3	1319.8	1324.2	1329.9
30°	1278.4	1287.6	1321.8	1382.3	1446.2	1486.1	1483.1	1421.8	1362.3	1350.4	1354.6
32.5°	1375.1	1386.1	1418.6	1478.1	1534.6	1570.6	1562.0	1489.7	1413.5	1387.6	1391.5
35°	1491.5	1498.0	1532.2	1590.9	1636.7	1661.4	1643.2	1568.2	1478.4	1447.1	1447.1
37.5°	1609.3	1614.4	1652.8	1709.6	1753.9	1767.0	1731.6	1654.2	1563.2	1518.8	1519.7
40°	1722.4	1736.1	1779.2	1837.5	1881.3	1884.9	1837.8	1752.4	1657.5	1611.7	1617.0
42.5°	1840.5	1853.9	1905.4	1971.5	2010.1	2016.1	1961.0	1862.5	1764.0	1726.8	1732.8
45°	1945.9	1956.6	2016.1	2092.9	2141.1	2156.6	2091.4	1988.7	1879.2	1842.9	1844.4
47.5°	2019.4	2033.4	2098.8	2189.3	2259.5	2283.3	2219.3	2111.6	1992.6	1948.5	1952.4
50°	2086.0	2093.5	2159.8	2258.6	2347.9	2397.0	2342.2	2233.0	2107.2	2060.4	2064.6
52.5°	2123.2	2132.7	2197.0	2300.0	2405.6	2484.8	2451.5	2342.2	2217.9	2172.3	2177.4
55°	2097.3	2104.5	2181.5	2309.2	2441.3	2538.9	2544.0	2449.1	2326.5	2286.6	2300.9
57.5°	1979.5	1988.4	2082.5	2249.7	2445.8	2575.5	2613.6	2548.2	2427.9	2395.5	2403.8
60°	1795.3	1800.9	1901.2	2089.3	2358.9	2590.7	2658.0	2629.1	2527.3	2494.9	2506.2
62.5°	1467.1	1475.4	1595.3	1847.4	2175.3	2545.8	2700.8	2696.1	2619.9	2590.1	2600.2
65°	1002.8	1017.4	1150.1	1468.8	1892.3	2408.3	2739.8	2774.0	2701.7	2664.2	2677.6
67.5°	605.6	616.3	712.4	969.8	1448.0	2131.0	2699.6	2862.7	2759.4	2699.0	2710.0
68°	541.3	551.1	631.5	875.2	1339.4	2052.7	2663.0	2872.8	2765.7	2698.4	2708.3
70°	327.0	333.6	387.4	541.0	893.0	1628.3	2413.4	2864.5	2805.6	2706.8	2712.4
72.5°	213.1	215.1	224.1	277.6	456.2	910.6	1811.4	2669.3	2865.4	2755.3	2754.4
75°	177.1	175.9	176.8	183.0	225.0	399.4	1058.5	2108.6	2731.5	2678.8	2660.1
77.5°	149.7	148.8	148.5	148.8	150.6	192.8	459.5	1313.5	2090.2	2369.6	2386.3
80°	121.1	119.9	123.8	122.0	116.7	119.9	192.5	546.4	985.3	1060.0	993.3
82.5°	88.1	83.6	100.3	95.5	91.1	84.5	106.2	176.5	235.1	161.3	113.4
85°	67.8	63.1	76.2	73.2	62.5	43.1	63.1	86.3	95.2	54.5	42.9
87.5°	27.7	29.2	55.1	43.4	36.6	20.8	25.9	34.5	46.4	23.2	17.9
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)