

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: P317246

Luminaire Tested: **GAN-SA2C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317246
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-SA2C-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10875 lumens
Efficiency: N/A
Efficacy: 96.2 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): 113
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

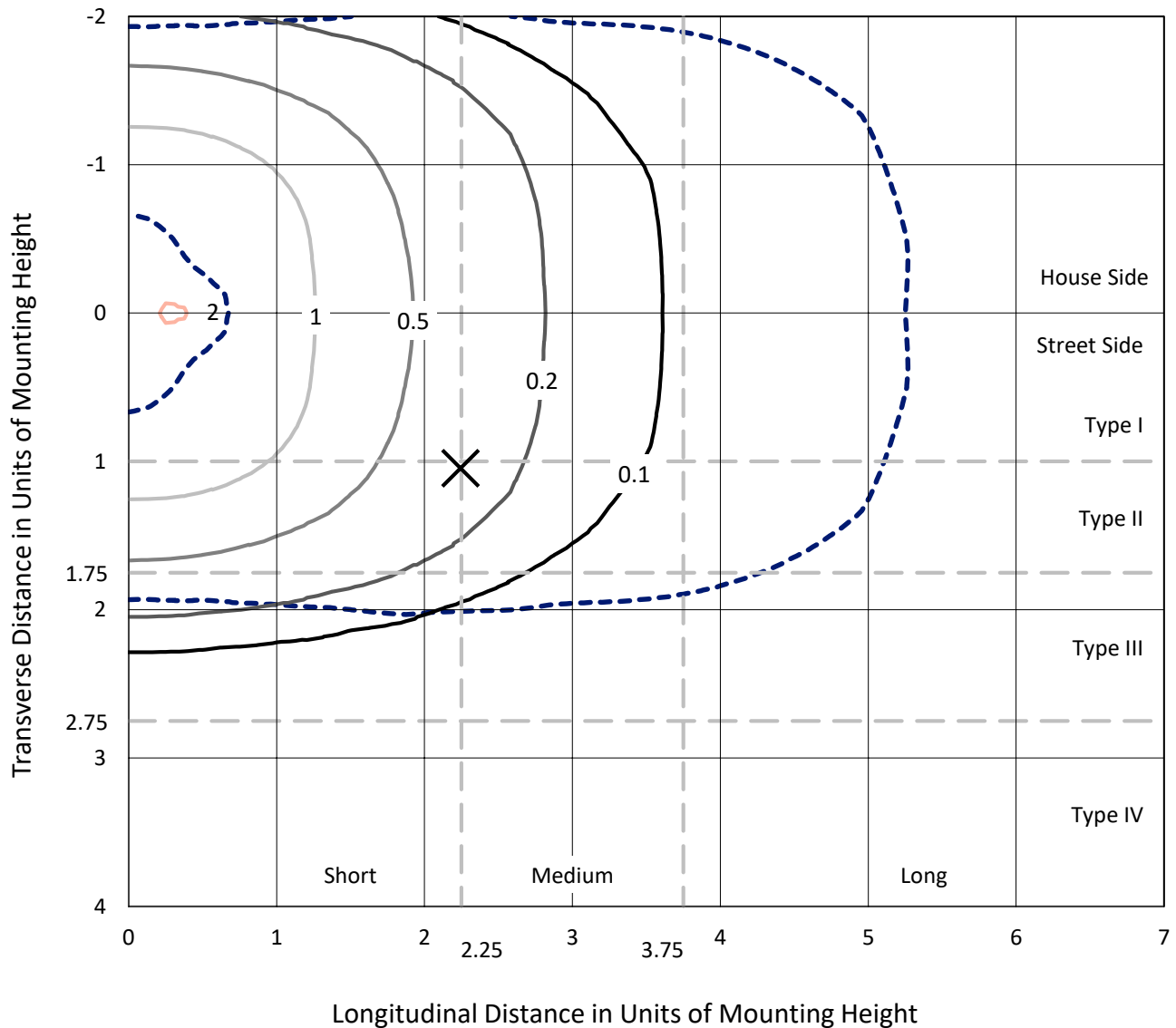


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Iso-Footcandle Lines of Horizontal Illumination

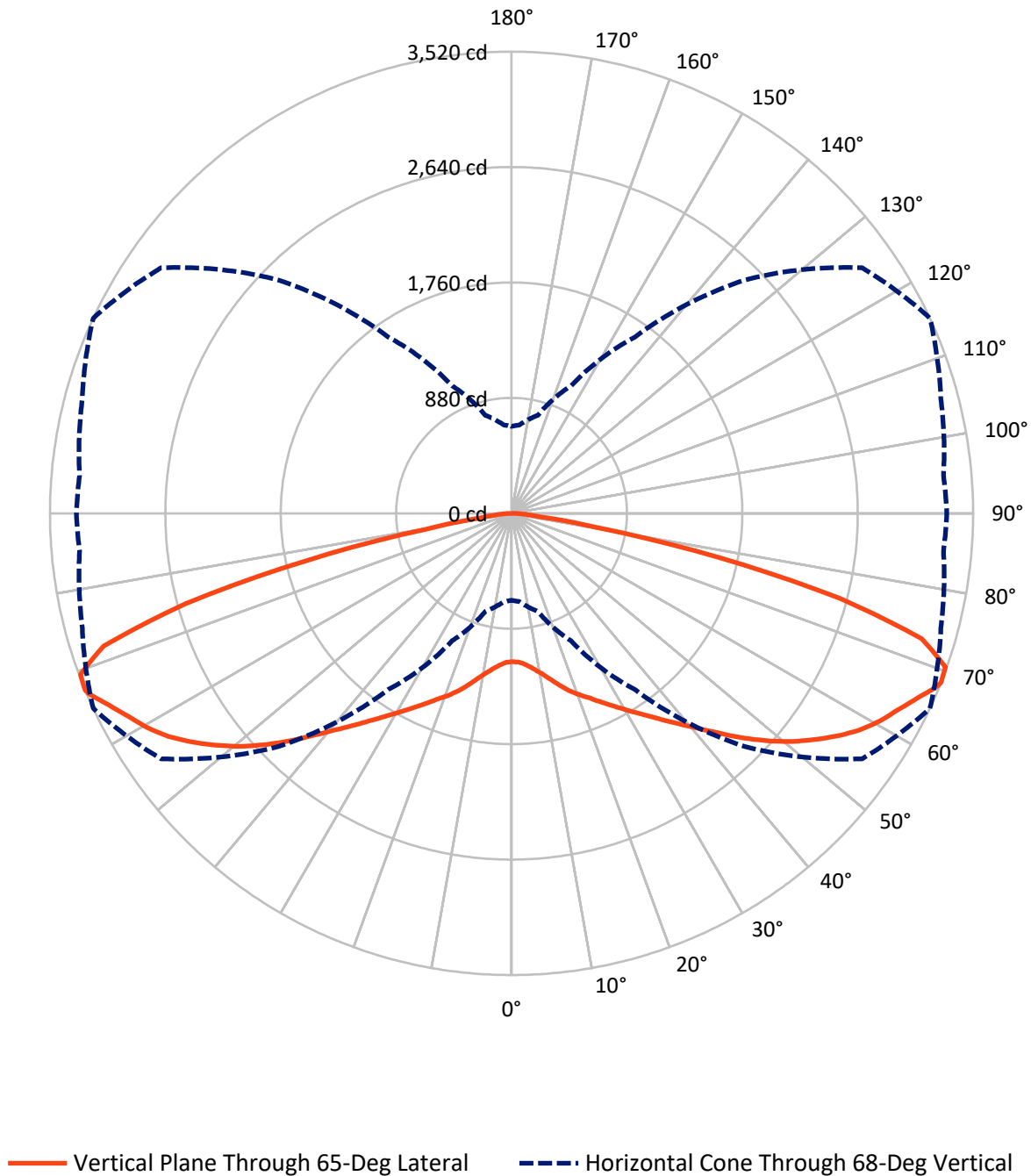
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5437.5	0.0	5437.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5437.5	0.0	5437.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10875.0	0.0	10875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.0
10°-20°	370.7	3.4
20°-30°	722.8	6.6
30°-40°	1214.2	11.2
40°-50°	1913.1	17.6
50°-60°	2558.5	23.5
60°-70°	2487.2	22.9
70°-80°	1359.6	12.5
80°-90°	138.3	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°	10875.0	100.0
0°-180°	10875.0	100.0

Coefficient of Utilization



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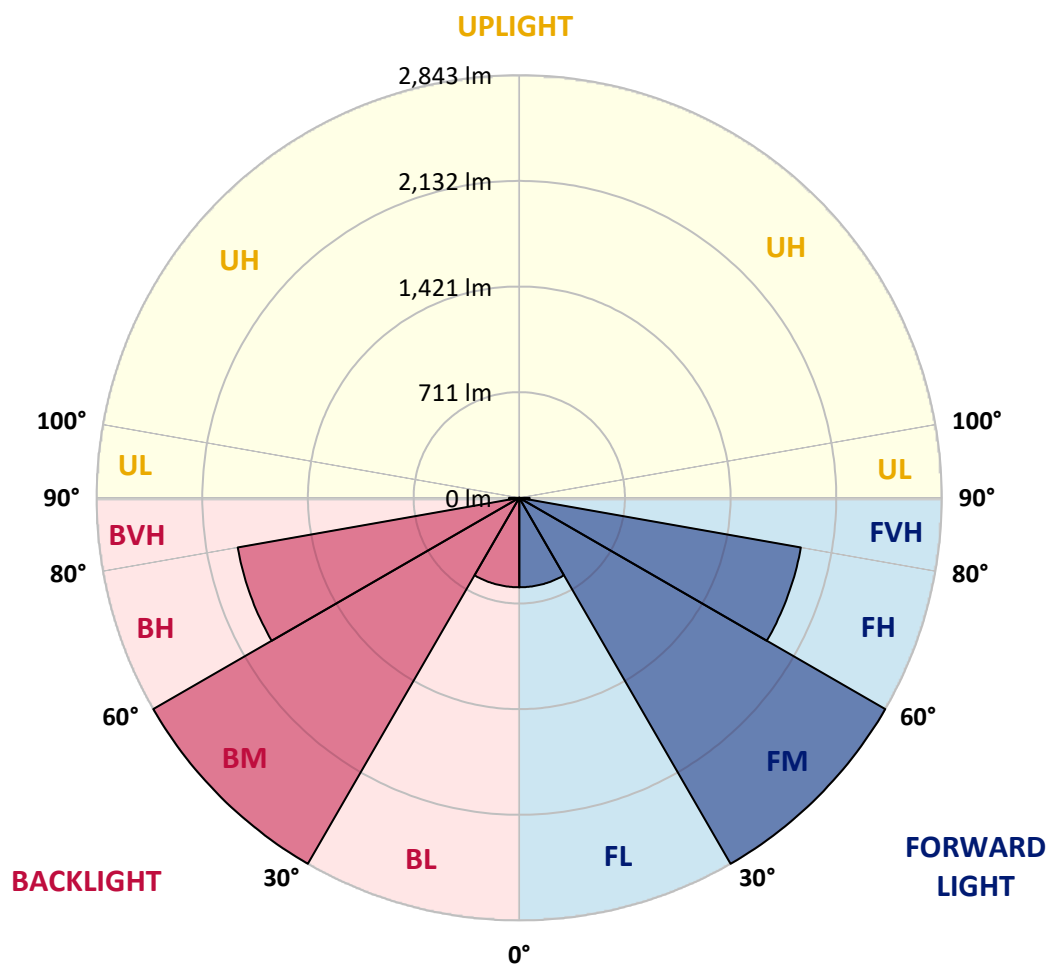
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.1	5.5			
FM	(30°-60°)	2842.9	26.1			
FH	(60°-80°)	1923.4	17.7			G2/5000
FVH	(80°-90°)	69.1	0.6			G1/100
BL	(0°-30°)	602.1	5.5	B2/1000		
BM	(30°-60°)	2842.9	26.1	B3/5000		
BH	(60°-80°)	1923.4	17.7	B3/2500		G3/2500
BVH	(80°-90°)	69.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7
2.5°	1122.7	1123.1	1124.9	1127.1	1128.9	1133.7	1134.8	1136.6	1137.3	1139.1	1139.1
5°	1112.9	1113.6	1118.0	1123.8	1130.4	1142.0	1150.4	1159.9	1164.7	1169.8	1169.4
7.5°	1111.8	1113.6	1119.8	1129.3	1140.2	1159.6	1177.1	1196.0	1208.8	1220.4	1219.7
10°	1123.1	1126.0	1134.8	1149.0	1165.4	1189.5	1215.3	1240.9	1263.1	1281.0	1281.7
12.5°	1140.2	1143.9	1157.7	1179.2	1204.0	1235.0	1265.7	1294.5	1325.1	1351.7	1353.9
15°	1162.8	1167.6	1188.4	1220.4	1258.4	1295.2	1328.0	1357.5	1392.9	1429.7	1433.4
17.5°	1196.4	1202.9	1230.3	1273.7	1323.6	1364.1	1398.4	1420.6	1450.2	1488.1	1495.0
20°	1247.4	1255.8	1290.5	1342.2	1403.1	1445.4	1471.7	1476.4	1491.0	1524.9	1532.9
22.5°	1313.8	1321.1	1359.7	1421.4	1489.5	1535.5	1549.3	1530.4	1528.9	1556.3	1563.9
25°	1387.8	1394.4	1439.2	1508.5	1581.8	1632.5	1632.1	1595.3	1569.8	1590.9	1598.9
27.5°	1471.0	1481.2	1524.2	1597.1	1675.5	1725.5	1722.6	1665.7	1617.2	1622.6	1629.6
30°	1566.5	1577.8	1619.7	1693.7	1772.1	1821.0	1817.4	1742.2	1669.3	1654.7	1659.8
32.5°	1685.0	1698.5	1738.2	1811.2	1880.4	1924.6	1914.0	1825.4	1732.0	1700.3	1705.0
35°	1827.6	1835.6	1877.5	1949.4	2005.5	2035.8	2013.5	1921.6	1811.5	1773.2	1773.2
37.5°	1972.0	1978.2	2025.2	2094.8	2149.2	2165.2	2121.8	2027.0	1915.4	1861.1	1862.2
40°	2110.5	2127.3	2180.2	2251.6	2305.2	2309.6	2252.0	2147.4	2031.0	1974.9	1981.4
42.5°	2255.3	2271.7	2334.8	2415.7	2463.1	2470.4	2403.0	2282.3	2161.6	2116.0	2123.3
45°	2384.4	2397.5	2470.4	2564.5	2623.6	2642.5	2562.7	2436.9	2302.7	2258.2	2260.0
47.5°	2474.4	2491.6	2571.8	2682.6	2768.7	2797.9	2719.5	2587.5	2441.6	2387.7	2392.4
50°	2556.1	2565.2	2646.5	2767.6	2877.0	2937.2	2870.1	2736.2	2582.0	2524.8	2529.9
52.5°	2601.7	2613.4	2692.1	2818.3	2947.7	3044.7	3003.9	2870.1	2717.7	2661.9	2668.1
55°	2570.0	2578.7	2673.2	2829.6	2991.5	3111.1	3117.3	3001.0	2850.7	2801.9	2819.4
57.5°	2425.6	2436.5	2551.7	2756.7	2997.0	3155.9	3202.6	3122.4	2975.1	2935.3	2945.6
60°	2199.9	2206.8	2329.7	2560.1	2890.5	3174.5	3257.0	3221.6	3096.9	3057.1	3071.0
62.5°	1797.7	1807.9	1954.8	2263.7	2665.5	3119.5	3309.5	3303.6	3210.3	3173.8	3186.2
65°	1228.8	1246.7	1409.3	1799.9	2318.7	2951.0	3357.2	3399.2	3310.6	3264.6	3281.0
67.5°	742.0	755.2	872.9	1188.4	1774.3	2611.2	3308.0	3507.8	3381.3	3307.3	3320.8
68°	663.3	675.3	773.8	1072.4	1641.2	2515.3	3263.2	3520.2	3389.0	3306.5	3318.6
70°	400.7	408.8	474.8	662.9	1094.3	1995.3	2957.2	3510.0	3437.8	3316.8	3323.7
72.5°	261.1	263.6	274.6	340.2	559.0	1115.8	2219.6	3270.8	3511.1	3376.2	3375.1
75°	217.0	215.5	216.6	224.3	275.7	489.3	1297.0	2583.8	3347.0	3282.5	3259.5
77.5°	183.4	182.3	182.0	182.3	184.5	236.3	563.0	1609.5	2561.2	2903.6	2924.0
80°	148.4	146.9	151.7	149.5	142.9	146.9	235.9	669.5	1207.3	1298.8	1217.2
82.5°	107.9	102.5	122.9	117.0	111.6	103.6	130.2	216.2	288.1	197.6	138.9
85°	83.1	77.3	93.3	89.7	76.6	52.9	77.3	105.7	116.7	66.7	52.5
87.5°	33.9	35.7	67.5	53.2	44.9	25.5	31.7	42.3	56.9	28.4	21.9
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)