

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: P317027

Luminaire Tested: **GAN-SA3A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317027
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-SA3A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12162 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

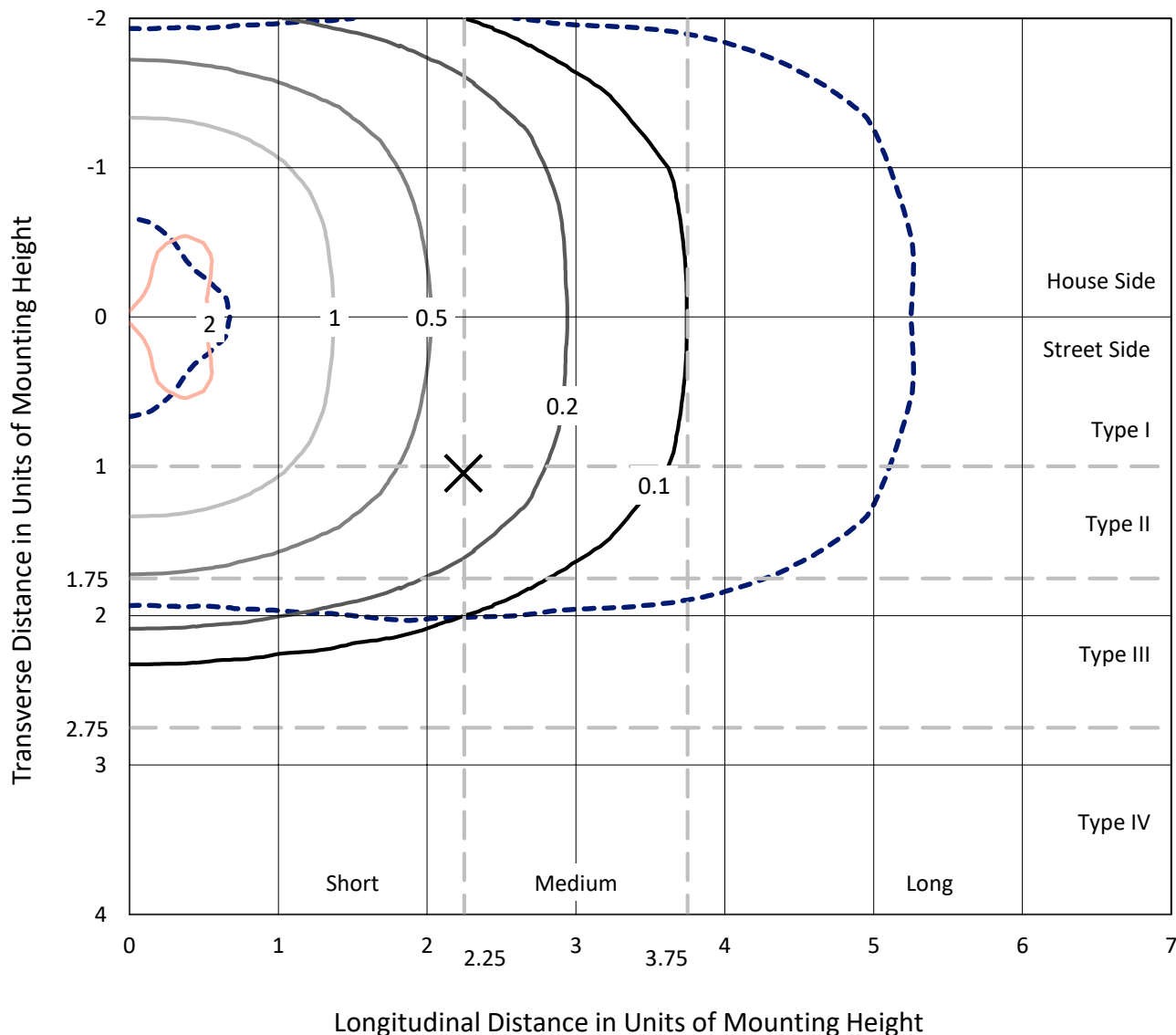
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

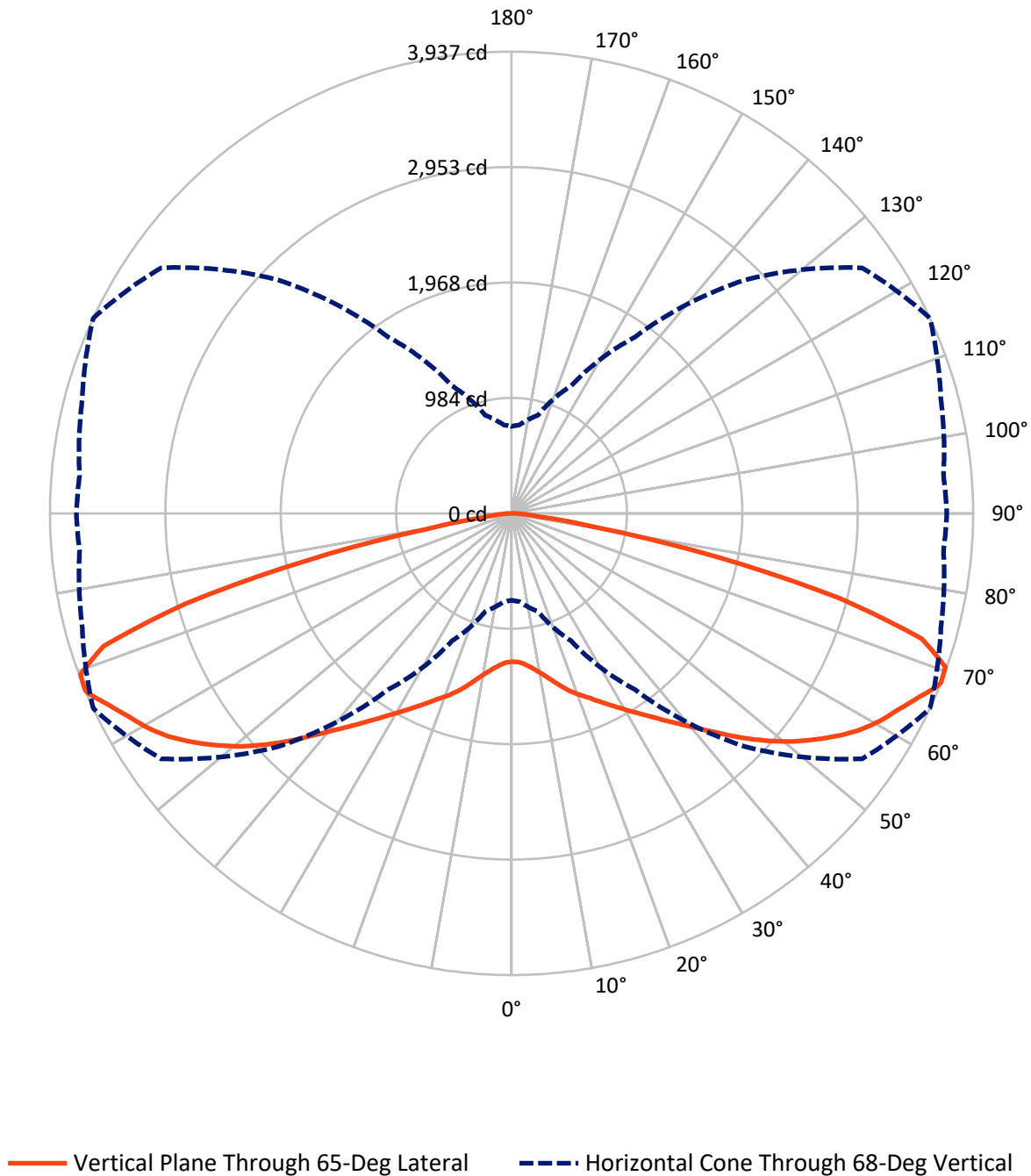
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	6081.0	0.0	6081.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6081.0	0.0	6081.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12162.0	0.0	12162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.0
10°-20°	414.6	3.4
20°-30°	808.3	6.6
30°-40°	1357.9	11.2
40°-50°	2139.5	17.6
50°-60°	2861.3	23.5
60°-70°	2781.5	22.9
70°-80°	1520.5	12.5
80°-90°	154.6	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°	12162.0	100.0
0°-180°	12162.0	100.0

Coefficient of Utilization



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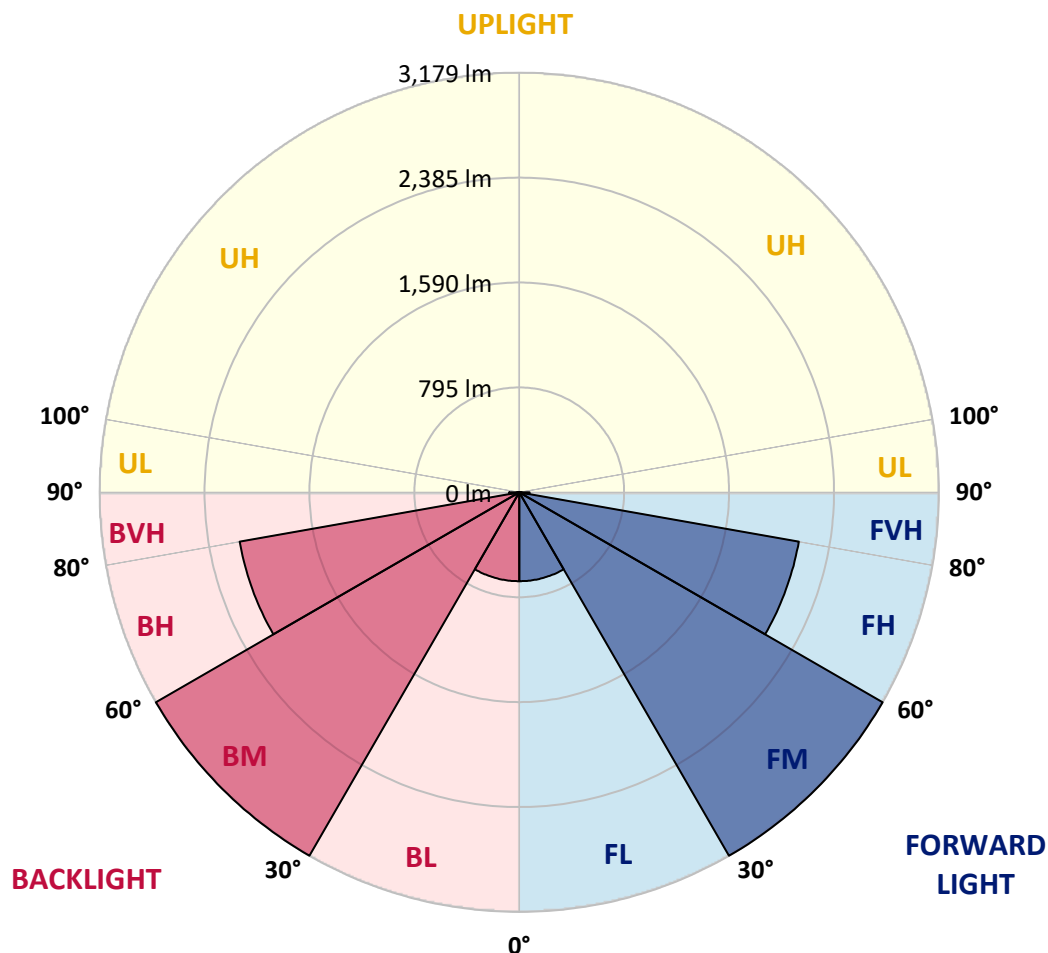
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	673.3	5.5			
FM	(30°-60°)	3179.3	26.1			
FH	(60°-80°)	2151.0	17.7			G2/5000
FVH	(80°-90°)	77.3	0.6			G1/100
BL	(0°-30°)	673.3	5.5	B2/1000		
BM	(30°-60°)	3179.3	26.1	B3/5000		
BH	(60°-80°)	2151.0	17.7	B3/2500		G3/2500
BVH	(80°-90°)	77.3	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°	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6
2.5°	1255.6	1256.0	1258.0	1260.5	1262.5	1267.8	1269.0	1271.1	1271.9	1273.9	1273.9
5°	1244.6	1245.4	1250.3	1256.8	1264.2	1277.2	1286.6	1297.2	1302.5	1308.2	1307.8
7.5°	1243.4	1245.4	1252.3	1262.9	1275.2	1296.8	1316.4	1337.6	1351.8	1364.9	1364.1
10°	1256.0	1259.3	1269.0	1285.0	1303.3	1330.2	1359.2	1387.7	1412.6	1432.6	1433.4
12.5°	1275.2	1279.2	1294.7	1318.8	1346.5	1381.2	1415.4	1447.7	1481.9	1511.7	1514.1
15°	1300.4	1305.7	1329.0	1364.9	1407.3	1448.5	1485.2	1518.2	1557.8	1599.0	1603.0
17.5°	1338.0	1345.3	1375.9	1424.4	1480.3	1525.5	1563.9	1588.8	1621.8	1664.2	1671.9
20°	1395.1	1404.4	1443.2	1501.1	1569.2	1616.5	1645.8	1651.1	1667.5	1705.4	1714.4
22.5°	1469.3	1477.4	1520.7	1589.6	1665.8	1717.2	1732.7	1711.5	1709.9	1740.5	1749.0
25°	1552.1	1559.4	1609.6	1687.0	1769.0	1825.7	1825.3	1784.1	1755.5	1779.2	1788.2
27.5°	1645.0	1656.4	1704.6	1786.1	1873.8	1929.7	1926.4	1862.8	1808.6	1814.7	1822.4
30°	1751.9	1764.5	1811.4	1894.2	1981.9	2036.5	2032.4	1948.4	1866.9	1850.6	1856.3
32.5°	1884.4	1899.5	1943.9	2025.5	2103.0	2152.3	2140.5	2041.4	1937.0	1901.5	1906.8
35°	2043.9	2052.8	2099.7	2180.1	2242.9	2276.7	2251.8	2149.1	2025.9	1983.1	1983.1
37.5°	2205.3	2212.3	2264.9	2342.8	2403.5	2421.5	2372.9	2266.9	2142.1	2081.4	2082.6
40°	2360.3	2379.1	2438.2	2518.1	2578.1	2583.0	2518.5	2401.5	2271.4	2208.6	2215.9
42.5°	2522.2	2540.5	2611.1	2701.6	2754.6	2762.8	2687.3	2552.4	2417.4	2366.4	2374.6
45°	2666.5	2681.2	2762.8	2868.0	2934.1	2955.3	2866.0	2725.3	2575.2	2525.5	2527.5
47.5°	2767.3	2786.4	2876.2	3000.1	3096.4	3129.0	3041.3	2893.7	2730.6	2670.2	2675.5
50°	2858.6	2868.8	2959.8	3095.1	3217.5	3284.8	3209.7	3060.1	2887.6	2823.5	2829.3
52.5°	2909.6	2922.6	3010.7	3151.8	3296.6	3405.1	3359.4	3209.7	3039.3	2976.9	2983.8
55°	2874.1	2883.9	2989.5	3164.5	3345.5	3479.3	3486.2	3356.1	3188.1	3133.5	3153.0
57.5°	2712.6	2724.9	2853.7	3082.9	3351.6	3529.4	3581.6	3491.9	3327.2	3282.7	3294.1
60°	2460.2	2468.0	2605.4	2863.1	3232.6	3550.2	3642.4	3602.8	3463.4	3418.9	3434.4
62.5°	2010.4	2021.8	2186.2	2531.6	2981.0	3488.7	3701.1	3694.6	3590.2	3549.4	3563.3
65°	1374.3	1394.2	1576.1	2012.9	2593.1	3300.3	3754.5	3801.4	3702.3	3651.0	3669.3
67.5°	829.9	844.5	976.3	1329.0	1984.3	2920.2	3699.5	3923.0	3781.5	3698.7	3713.8
68°	741.8	755.2	865.3	1199.3	1835.5	2812.9	3649.3	3936.8	3790.0	3697.9	3711.3
70°	448.2	457.1	530.9	741.4	1223.8	2231.4	3307.2	3925.4	3844.7	3709.3	3717.0
72.5°	292.0	294.8	307.1	380.5	625.1	1247.8	2482.2	3657.9	3926.6	3775.7	3774.5
75°	242.6	241.0	242.2	250.8	308.3	547.3	1450.5	2889.6	3743.1	3670.9	3645.2
77.5°	205.1	203.9	203.5	203.9	206.3	264.2	629.6	1800.0	2864.3	3247.2	3270.1
80°	166.0	164.3	169.6	167.2	159.9	164.3	263.8	748.7	1350.2	1452.6	1361.2
82.5°	120.7	114.6	137.4	130.9	124.8	115.8	145.6	241.8	322.2	221.0	155.4
85°	93.0	86.5	104.4	100.3	85.6	59.1	86.5	118.3	130.5	74.6	58.7
87.5°	37.9	40.0	75.4	59.5	50.2	28.5	35.5	47.3	63.6	31.8	24.5
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)