

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: P316387

Luminaire Tested: **GAN-SA3A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12499 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

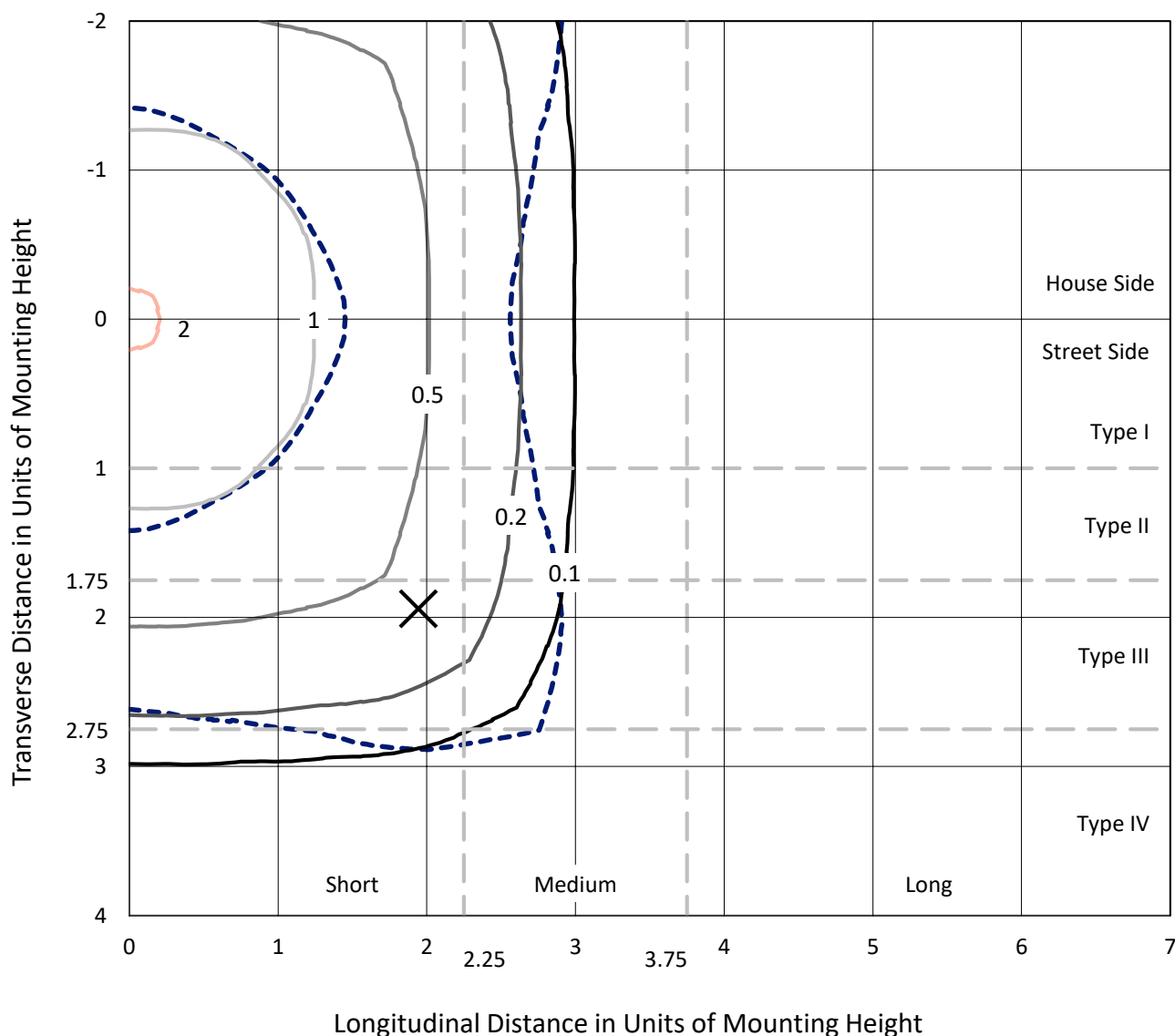
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

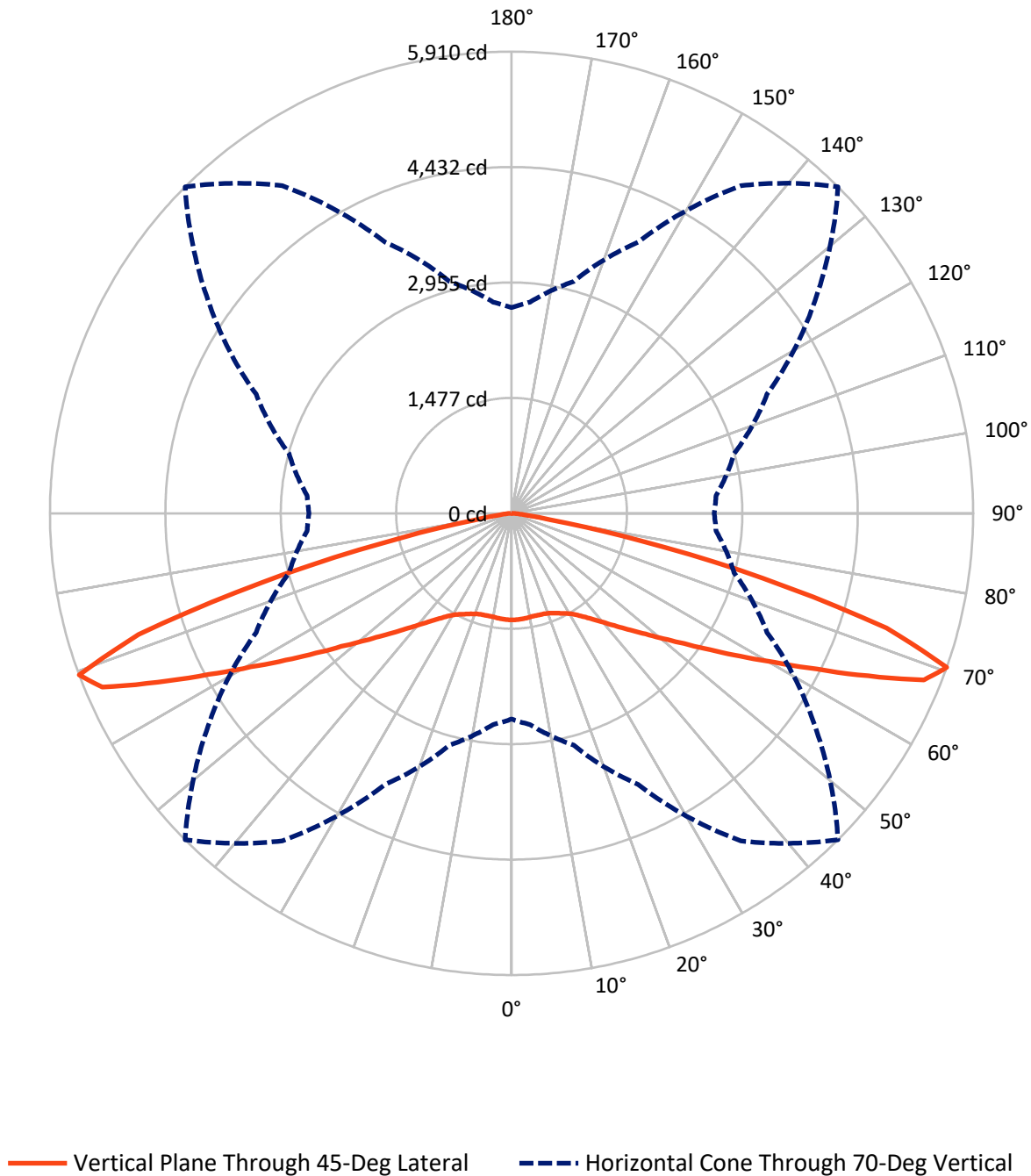
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6249.5	0.0	6249.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6249.5	0.0	6249.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12499.0	0.0	12499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.0
10°-20°	379.6	3.0
20°-30°	646.1	5.2
30°-40°	1024.7	8.2
40°-50°	1667.6	13.3
50°-60°	2749.6	22.0
60°-70°	4036.4	32.3
70°-80°	1784.9	14.3
80°-90°	80.8	0.6
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°	12499.0	100.0
0°-180°	12499.0	100.0

Coefficient of Utilization



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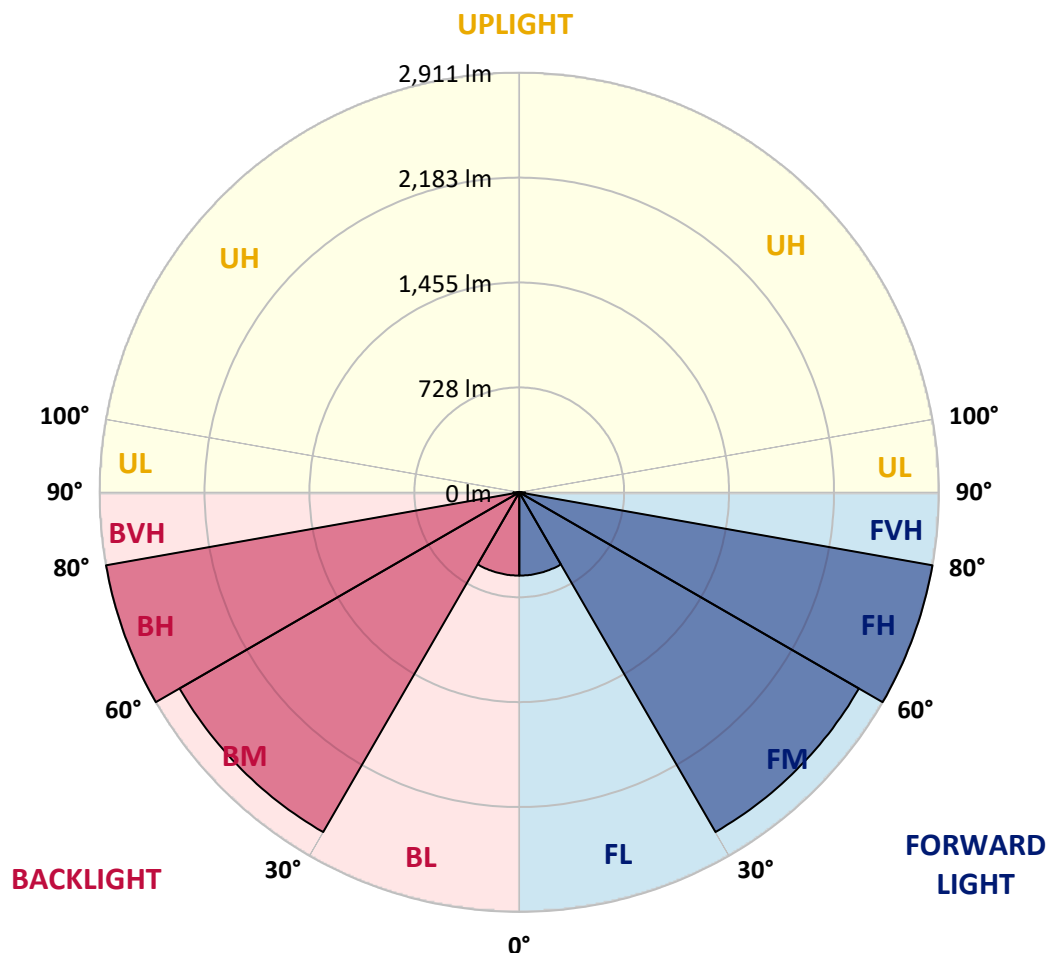
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	577.5	4.6			
FM	(30°-60°)	2720.9	21.8			
FH	(60°-80°)	2910.7	23.3			G2/5000
FVH	(80°-90°)	40.4	0.3			G1/100
BL	(0°-30°)	577.5	4.6	B2/1000		
BM	(30°-60°)	2720.9	21.8	B3/5000		
BH	(60°-80°)	2910.7	23.3	B4/5000		G2/5000
BVH	(80°-90°)	40.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1	1365.1
2.5°	1363.0	1361.8	1364.7	1364.3	1361.8	1362.2	1362.2	1363.4	1363.4	1362.6	1362.6
5°	1358.1	1357.2	1360.5	1360.5	1358.1	1358.9	1359.7	1360.9	1360.5	1359.7	1359.3
7.5°	1351.8	1351.4	1354.7	1354.7	1353.1	1353.9	1353.1	1353.5	1352.7	1351.8	1350.6
10°	1341.5	1342.3	1345.2	1346.1	1346.1	1346.5	1345.6	1343.6	1342.3	1341.1	1339.9
12.5°	1332.0	1331.6	1335.7	1337.8	1341.1	1344.8	1342.3	1336.5	1334.1	1331.6	1330.8
15°	1325.8	1326.2	1330.3	1334.1	1339.9	1347.7	1344.8	1335.7	1330.8	1327.9	1327.0
17.5°	1324.5	1325.4	1330.8	1337.4	1343.6	1352.3	1350.6	1341.5	1333.2	1327.9	1326.6
20°	1327.4	1327.9	1336.1	1345.6	1356.4	1364.7	1360.9	1351.0	1339.9	1331.6	1329.5
22.5°	1332.8	1334.5	1344.8	1359.7	1376.3	1387.4	1382.9	1365.9	1348.5	1338.2	1335.3
25°	1349.8	1350.2	1364.3	1384.5	1404.4	1417.2	1411.8	1387.8	1365.5	1353.9	1350.2
27.5°	1384.9	1386.2	1400.2	1423.8	1440.8	1449.1	1445.7	1426.3	1407.3	1394.9	1396.1
30°	1435.8	1437.5	1453.2	1479.3	1489.6	1491.7	1490.8	1481.7	1464.4	1447.8	1449.1
32.5°	1497.9	1498.7	1519.8	1543.4	1551.6	1553.3	1551.6	1543.4	1522.7	1500.4	1501.6
35°	1577.7	1580.2	1600.5	1623.2	1629.8	1633.1	1630.2	1619.5	1598.0	1576.1	1575.2
37.5°	1676.2	1676.6	1697.7	1721.2	1729.5	1730.3	1727.0	1720.0	1693.1	1673.3	1672.0
40°	1790.3	1792.0	1816.8	1842.0	1845.3	1841.6	1846.2	1842.0	1814.3	1791.6	1795.3
42.5°	1929.3	1933.0	1962.8	1987.6	1978.1	1976.1	1979.0	1980.2	1957.9	1930.1	1927.7
45°	2091.1	2094.4	2131.6	2151.5	2145.3	2131.6	2137.4	2147.3	2116.3	2082.0	2085.3
47.5°	2275.6	2283.8	2323.5	2342.2	2326.8	2308.2	2319.4	2334.3	2297.9	2255.3	2253.2
50°	2480.7	2491.1	2544.0	2570.1	2554.8	2520.4	2539.1	2549.0	2496.5	2441.4	2436.9
52.5°	2699.6	2709.9	2776.5	2830.3	2820.3	2767.0	2793.0	2782.7	2722.3	2648.3	2642.5
55°	2947.3	2951.5	3023.5	3110.3	3120.3	3081.0	3079.3	3062.3	2973.0	2887.4	2883.2
57.5°	3202.2	3205.1	3298.1	3400.7	3447.5	3447.5	3401.1	3365.1	3246.4	3147.1	3136.8
60°	3477.2	3487.6	3590.6	3730.0	3839.2	3871.5	3789.6	3691.5	3562.5	3441.3	3429.3
62.5°	3722.1	3734.1	3891.7	4099.4	4274.8	4392.3	4192.1	4032.4	3797.4	3603.0	3580.2
65°	3753.2	3785.4	4015.0	4391.0	4783.6	5018.1	4634.3	4240.9	3812.7	3542.6	3519.4
67.5°	3427.6	3482.2	3792.5	4377.8	5189.0	5692.4	4916.8	4121.7	3538.1	3239.4	3213.7
70°	2633.8	2713.2	3071.0	3829.3	5119.1	5909.6	4739.7	3608.4	2949.8	2628.4	2592.4
72.5°	1444.9	1477.6	1799.4	2622.2	4103.9	5021.9	3953.4	2668.1	1956.2	1591.8	1531.4
75°	458.3	469.9	633.7	1073.0	2321.5	3326.3	2511.3	1309.7	721.0	531.6	525.4
77.5°	203.5	204.8	229.2	313.1	799.6	1685.3	960.5	356.6	245.7	214.7	221.7
80°	128.6	128.6	141.9	155.1	217.6	489.4	259.8	169.6	144.8	134.4	137.3
82.5°	61.6	68.3	92.2	99.3	119.5	164.6	133.2	110.9	96.8	72.0	67.0
85°	40.5	33.9	58.3	65.8	69.5	79.0	77.4	73.2	63.3	36.0	40.1
87.5°	18.2	17.4	30.2	27.7	26.1	19.9	29.8	36.8	35.6	17.8	17.8
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)