

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: P317067

Luminaire Tested: **GAN-SA3A-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317067  
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-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 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: 13244 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

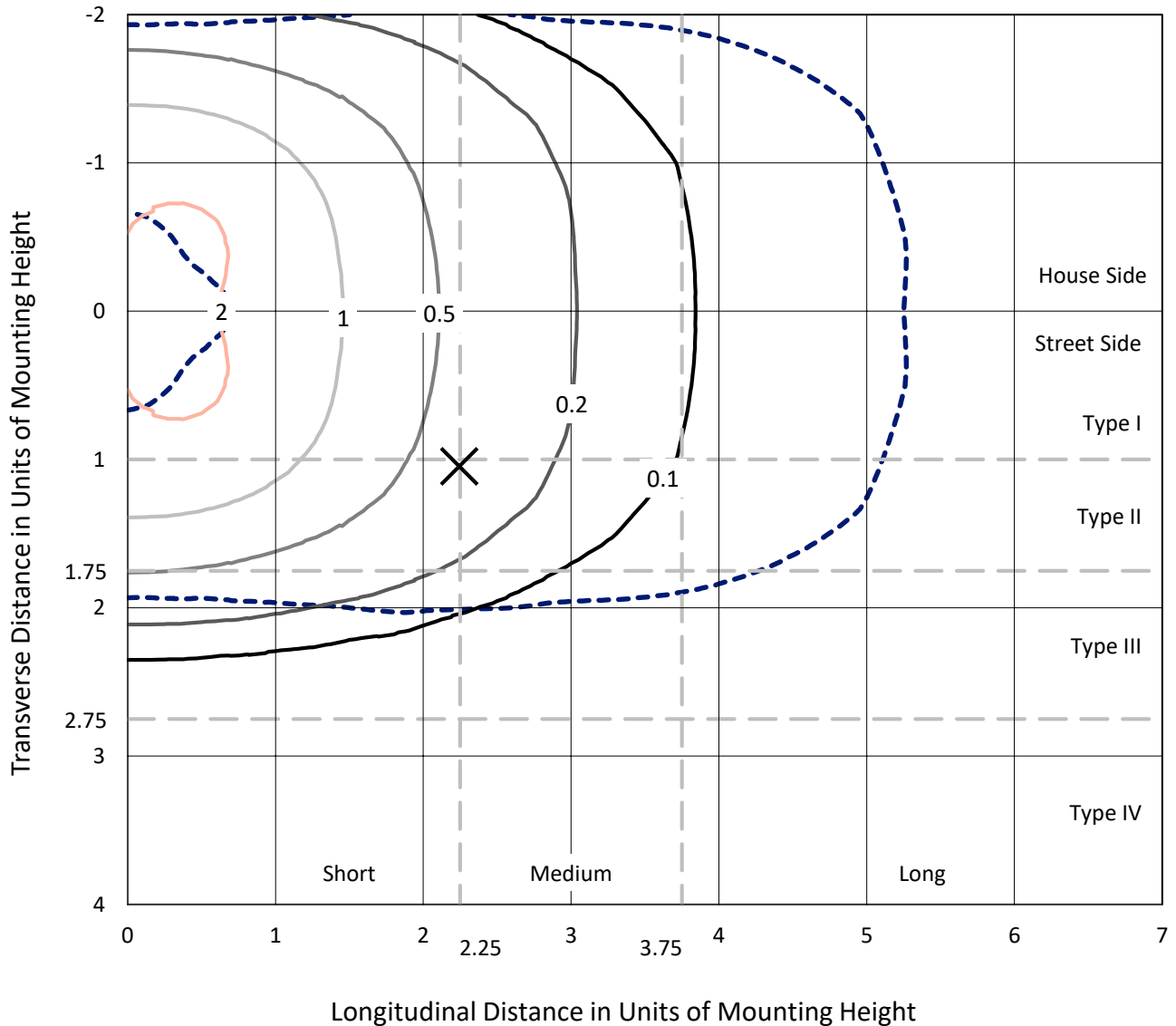
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

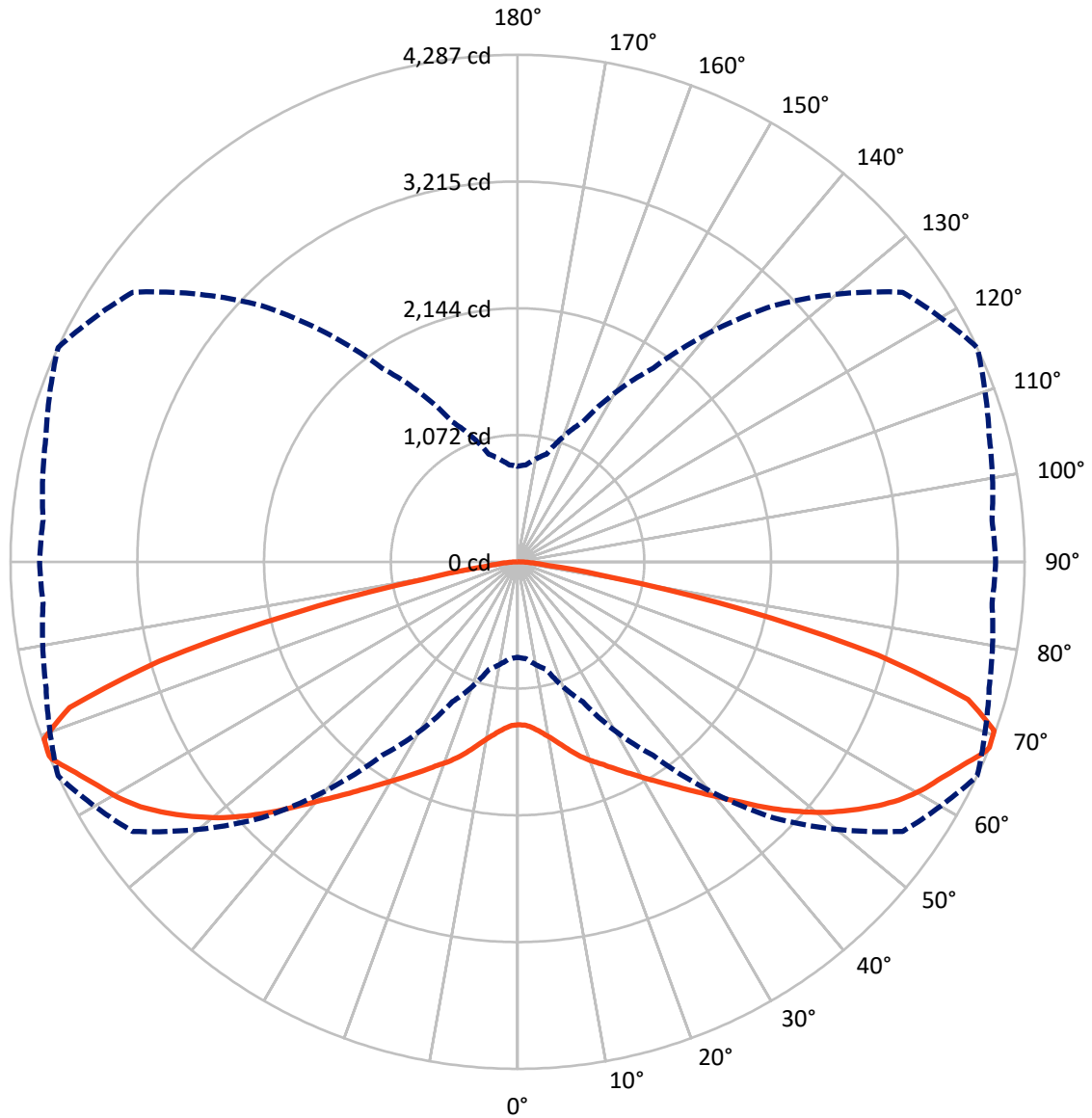
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
<b>House Side</b>	Lumens	6622.0	0.0	6622.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6622.0	0.0	6622.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13244.0	0.0	13244.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.8	1.0
10°-20°	451.4	3.4
20°-30°	880.2	6.6
30°-40°	1478.7	11.2
40°-50°	2329.9	17.6
50°-60°	3115.8	23.5
60°-70°	3029.0	22.9
70°-80°	1655.8	12.5
80°-90°	168.4	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°	13244.0	100.0
0°-180°	13244.0	100.0

**Coefficient of Utilization**

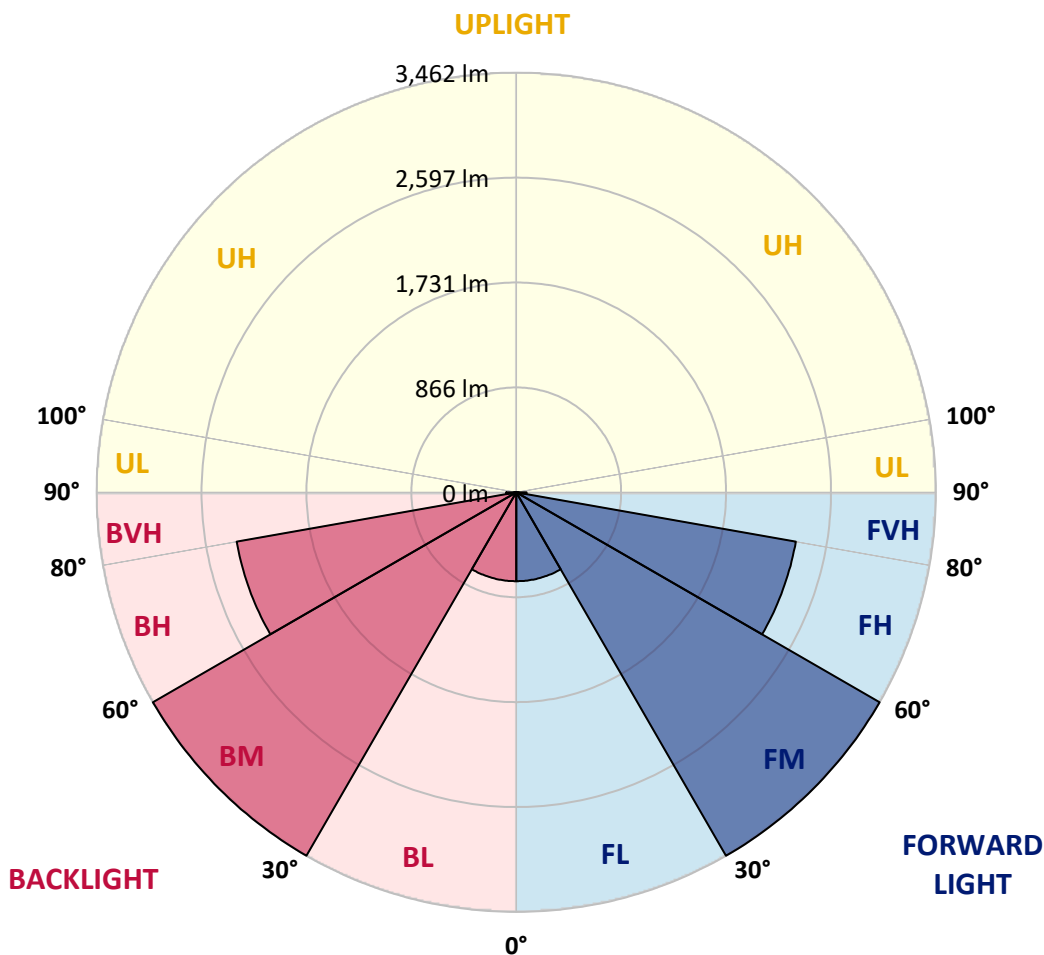


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.2	5.5			
FM (30°-60°)	3462.2	26.1			
FH (60°-80°)	2342.4	17.7			G2/5000
FVH (80°-90°)	84.2	0.6			G1/100
BL (0°-30°)	733.2	5.5	B2/1000		
BM (30°-60°)	3462.2	26.1	B3/5000		
BH (60°-80°)	2342.4	17.7	B3/2500		G3/2500
BVH (80°-90°)	84.2	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°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1
2.5°	1367.3	1367.7	1370.0	1372.6	1374.8	1380.6	1381.9	1384.2	1385.1	1387.3	1387.3
5°	1355.3	1356.2	1361.5	1368.6	1376.6	1390.8	1401.0	1412.6	1418.4	1424.6	1424.1
7.5°	1354.0	1356.2	1363.7	1375.3	1388.6	1412.1	1433.5	1456.6	1472.1	1486.3	1485.4
10°	1367.7	1371.3	1381.9	1399.3	1419.3	1448.6	1480.1	1511.2	1538.3	1560.0	1560.9
12.5°	1388.6	1393.1	1409.9	1436.1	1466.3	1504.1	1541.4	1576.5	1613.8	1646.2	1648.8
15°	1416.1	1421.9	1447.2	1486.3	1532.5	1577.3	1617.3	1653.3	1696.4	1741.2	1745.6
17.5°	1457.0	1465.0	1498.3	1551.1	1612.0	1661.3	1703.0	1730.1	1766.1	1812.3	1820.7
20°	1519.2	1529.4	1571.6	1634.6	1708.8	1760.3	1792.3	1798.0	1815.8	1857.1	1866.9
22.5°	1600.0	1608.9	1655.9	1731.0	1814.0	1870.0	1886.9	1863.8	1862.0	1895.3	1904.6
25°	1690.1	1698.1	1752.7	1837.1	1926.4	1988.1	1987.7	1942.8	1911.7	1937.5	1947.3
27.5°	1791.4	1803.8	1856.2	1945.0	2040.5	2101.3	2097.8	2028.5	1969.5	1976.1	1984.6
30°	1907.7	1921.5	1972.6	2062.7	2158.2	2217.7	2213.3	2121.8	2033.0	2015.2	2021.4
32.5°	2052.1	2068.5	2116.9	2205.7	2290.1	2343.8	2330.9	2223.0	2109.3	2070.7	2076.5
35°	2225.7	2235.5	2286.5	2374.0	2442.4	2479.2	2452.2	2340.3	2206.1	2159.5	2159.5
37.5°	2401.5	2409.1	2466.4	2551.2	2617.4	2636.9	2584.0	2468.6	2332.7	2266.5	2267.9
40°	2570.3	2590.7	2655.1	2742.1	2807.4	2812.7	2742.6	2615.1	2473.5	2405.1	2413.1
42.5°	2746.6	2766.6	2843.4	2942.0	2999.7	3008.6	2926.4	2779.4	2632.5	2576.9	2585.8
45°	2903.8	2919.8	3008.6	3123.2	3195.1	3218.2	3120.9	2967.7	2804.3	2750.1	2752.4
47.5°	3013.5	3034.3	3132.0	3267.0	3371.8	3407.4	3311.9	3151.1	2973.5	2907.8	2913.6
50°	3112.9	3124.0	3223.1	3370.5	3503.7	3577.0	3495.3	3332.3	3144.5	3074.7	3081.0
52.5°	3168.4	3182.7	3278.6	3432.2	3589.9	3708.0	3658.3	3495.3	3309.7	3241.7	3249.3
55°	3129.8	3140.5	3255.5	3446.0	3643.2	3788.8	3796.4	3654.7	3471.7	3412.2	3433.6
57.5°	2954.0	2967.3	3107.6	3357.2	3649.8	3843.4	3900.3	3802.6	3623.2	3574.8	3587.2
60°	2679.1	2687.5	2837.2	3117.8	3520.2	3866.1	3966.4	3923.4	3771.5	3723.1	3740.0
62.5°	2189.3	2201.7	2380.7	2756.8	3246.2	3799.0	4030.4	4023.3	3909.6	3865.2	3880.3
65°	1496.5	1518.3	1716.3	2191.9	2823.8	3593.9	4088.6	4139.6	4031.7	3975.8	3995.8
67.5°	903.7	919.7	1063.1	1447.2	2160.8	3180.0	4028.6	4272.0	4117.9	4027.7	4044.2
68°	807.8	822.4	942.3	1306.0	1998.8	3063.2	3974.0	4287.1	4127.2	4026.8	4041.5
70°	488.0	497.8	578.2	807.3	1332.7	2430.0	3601.4	4274.6	4186.7	4039.3	4047.7
72.5°	318.0	321.1	334.4	414.3	680.8	1358.9	2703.1	3983.3	4276.0	4111.7	4110.3
75°	264.2	262.4	263.8	273.1	335.7	595.9	1579.6	3146.7	4076.1	3997.5	3969.6
77.5°	223.4	222.0	221.6	222.0	224.7	287.8	685.6	1960.1	3119.2	3536.1	3561.0
80°	180.7	179.0	184.7	182.1	174.1	179.0	287.3	815.3	1470.3	1581.8	1482.3
82.5°	131.4	124.8	149.7	142.5	135.9	126.1	158.5	263.3	350.8	240.7	169.2
85°	101.2	94.1	113.7	109.2	93.3	64.4	94.1	128.8	142.1	81.3	63.9
87.5°	41.3	43.5	82.2	64.8	54.6	31.1	38.6	51.5	69.3	34.6	26.6
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)