

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: P316108

Luminaire Tested: **GAN-SA4A-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4A-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18033 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

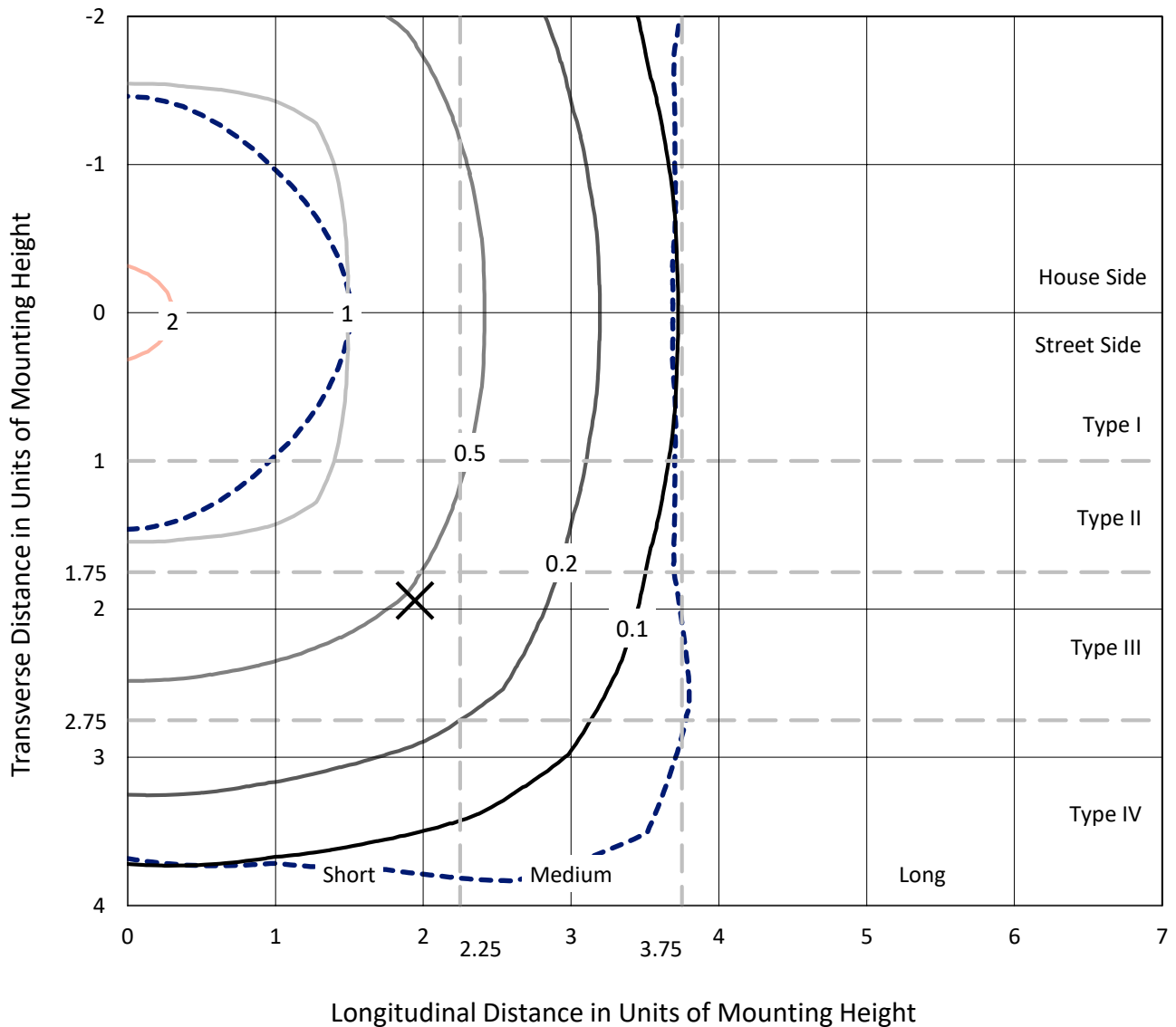
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

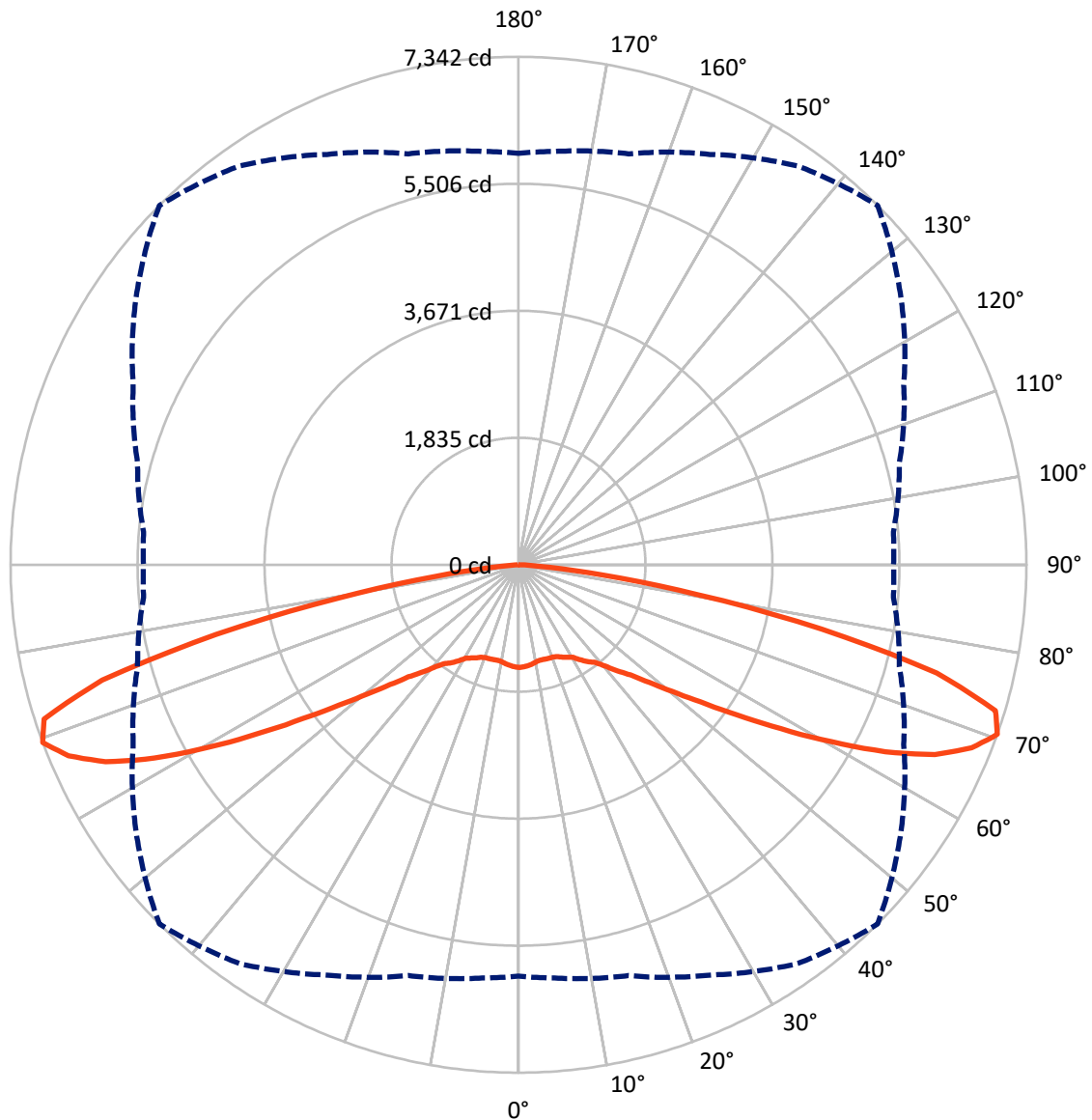
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9016.5	0.0	9016.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9016.5	0.0	9016.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18033.0	0.0	18033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.5	0.8
10°-20°	404.6	2.2
20°-30°	689.9	3.8
30°-40°	1077.9	6.0
40°-50°	1826.8	10.1
50°-60°	3331.4	18.5
60°-70°	5735.2	31.8
70°-80°	4495.4	24.9
80°-90°	333.3	1.8
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°	18033.0	100.0
0°-180°	18033.0	100.0

**Coefficient of Utilization**

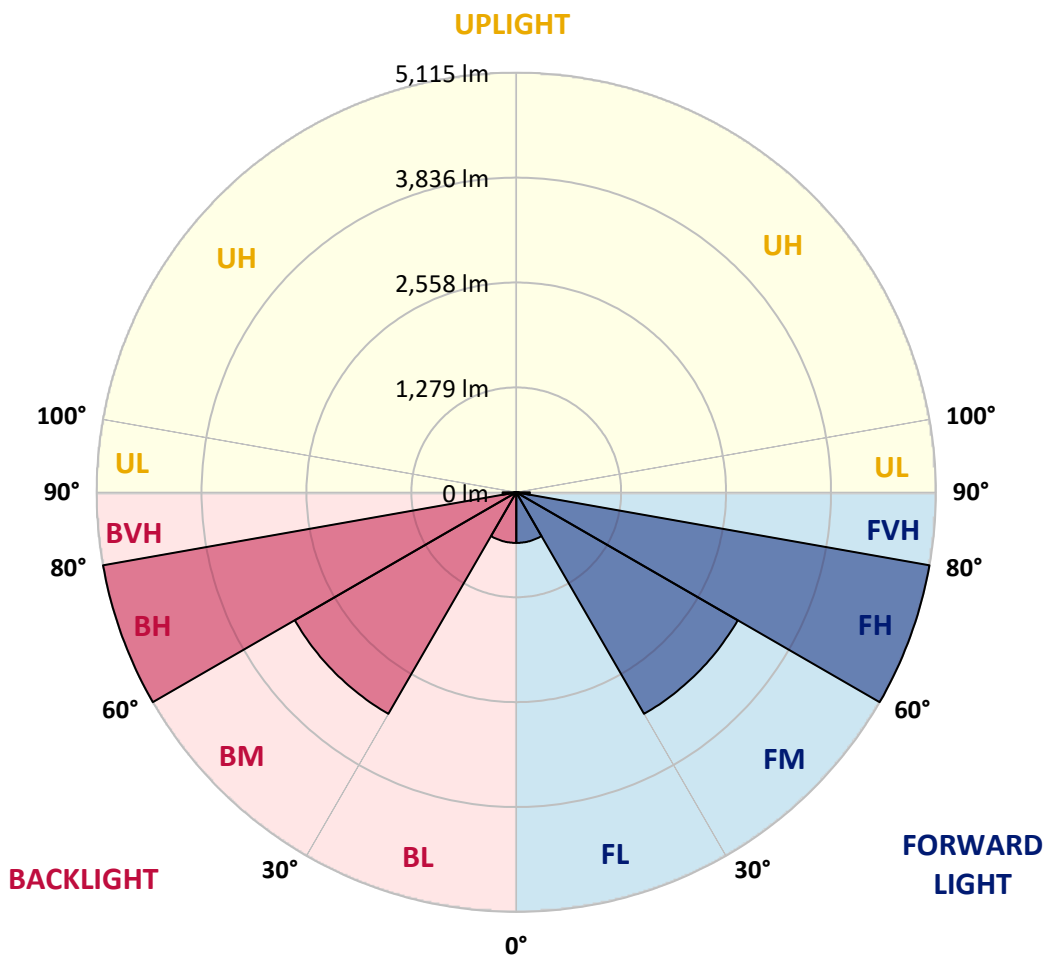


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.5	3.4			
FM (30°-60°)	3118.1	17.3			
FH (60°-80°)	5115.3	28.4			G3/7500
FVH (80°-90°)	166.7	0.9			G2/225
BL (0°-30°)	616.5	3.4	B2/1000		
BM (30°-60°)	3118.1	17.3	B3/5000		
BH (60°-80°)	5115.3	28.4	B5		G3/7500
BVH (80°-90°)	166.7	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1	1484.1
2.5°	1477.6	1479.3	1477.6	1478.7	1475.8	1477.0	1477.0	1477.0	1476.4	1477.0	1475.8
5°	1464.4	1465.6	1463.2	1464.4	1462.6	1464.4	1465.0	1464.4	1463.2	1463.8	1461.5
7.5°	1444.7	1445.9	1444.2	1445.9	1443.6	1446.5	1445.9	1444.2	1442.4	1442.4	1440.0
10°	1434.0	1434.6	1429.8	1428.0	1422.7	1423.9	1425.7	1427.4	1429.2	1432.8	1432.2
12.5°	1434.6	1434.6	1427.4	1419.7	1411.9	1413.7	1416.7	1423.3	1430.4	1437.0	1437.6
15°	1440.6	1440.0	1429.2	1416.7	1411.3	1416.7	1418.5	1422.7	1434.0	1445.3	1445.9
17.5°	1444.7	1444.7	1428.0	1413.7	1413.1	1421.5	1420.9	1422.7	1435.2	1451.9	1452.5
20°	1452.5	1452.5	1431.0	1415.5	1415.5	1424.5	1425.1	1428.0	1440.6	1459.1	1462.0
22.5°	1469.8	1470.4	1447.7	1435.2	1436.4	1441.8	1443.6	1448.3	1459.7	1479.9	1483.5
25°	1494.3	1495.5	1472.2	1465.0	1469.2	1479.3	1478.2	1481.7	1494.3	1513.9	1517.5
27.5°	1528.3	1525.3	1503.8	1500.8	1505.0	1512.2	1511.6	1512.2	1522.3	1540.2	1544.4
30°	1572.4	1571.2	1555.7	1557.5	1555.7	1553.3	1553.9	1558.7	1564.1	1578.4	1582.5
32.5°	1615.4	1616.5	1607.0	1615.9	1629.1	1638.0	1624.3	1611.2	1605.2	1613.0	1616.5
35°	1692.9	1695.9	1681.0	1675.0	1692.9	1719.1	1680.4	1658.9	1670.8	1681.0	1683.9
37.5°	1824.7	1826.5	1801.5	1777.6	1764.5	1789.5	1750.8	1752.5	1794.3	1813.4	1812.8
40°	1975.0	1975.6	1958.9	1938.1	1915.4	1921.4	1905.9	1910.6	1938.1	1955.4	1960.1
42.5°	2154.0	2152.2	2126.0	2096.1	2089.6	2095.5	2069.3	2065.7	2097.3	2128.3	2128.9
45°	2386.0	2381.9	2347.9	2315.1	2283.4	2270.3	2263.8	2281.1	2324.6	2353.2	2353.8
47.5°	2636.0	2624.6	2606.8	2580.5	2553.1	2539.9	2529.2	2537.6	2569.2	2580.5	2581.7
50°	2893.1	2895.5	2899.0	2888.9	2878.8	2874.6	2846.5	2830.4	2840.0	2819.1	2816.1
52.5°	3197.9	3202.7	3237.3	3266.5	3283.8	3292.7	3239.6	3184.2	3153.2	3112.6	3100.7
55°	3557.6	3565.3	3616.0	3697.2	3780.7	3824.8	3728.8	3625.0	3529.0	3453.2	3428.7
57.5°	3958.4	3972.2	4042.0	4197.6	4368.8	4473.2	4311.0	4122.5	3937.0	3827.8	3808.7
60°	4428.5	4441.6	4538.3	4761.3	5038.7	5195.6	4949.8	4641.4	4410.6	4306.2	4271.0
62.5°	4988.0	4989.2	5107.9	5368.6	5734.9	5953.2	5620.3	5208.1	4970.1	4844.3	4810.3
65°	5589.9	5592.9	5715.8	5997.3	6376.1	6613.5	6237.7	5808.2	5517.1	5331.6	5305.4
67.5°	6015.2	6027.7	6157.2	6496.0	6850.3	7064.5	6675.6	6190.0	5853.6	5632.3	5610.2
70°	5947.2	5996.1	6148.2	6543.7	7036.4	7341.9	6746.5	6144.7	5700.9	5439.6	5421.1
72.5°	5186.7	5280.3	5483.1	6002.1	6790.1	7210.6	6359.4	5503.4	5001.1	4778.6	4745.2
75°	3531.9	3684.0	3990.1	4738.7	5801.1	6243.1	5353.7	4387.9	3915.5	3607.7	3585.0
77.5°	1574.8	1609.4	1997.1	2859.1	4003.2	4483.4	3889.8	2870.4	2154.6	1718.5	1626.7
80°	439.0	444.4	592.9	1064.8	2003.7	2634.2	2151.0	1118.5	628.7	443.2	417.6
82.5°	139.6	151.5	184.9	276.2	673.5	1202.0	691.4	298.3	212.4	169.4	152.7
85°	68.0	67.4	93.7	112.1	171.8	266.0	183.1	138.4	121.1	80.5	72.8
87.5°	28.6	29.2	43.5	39.4	50.1	42.9	59.1	62.0	65.0	35.8	31.0
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)