

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: P316427

Luminaire Tested: **GAN-SA3A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316427
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 13611 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

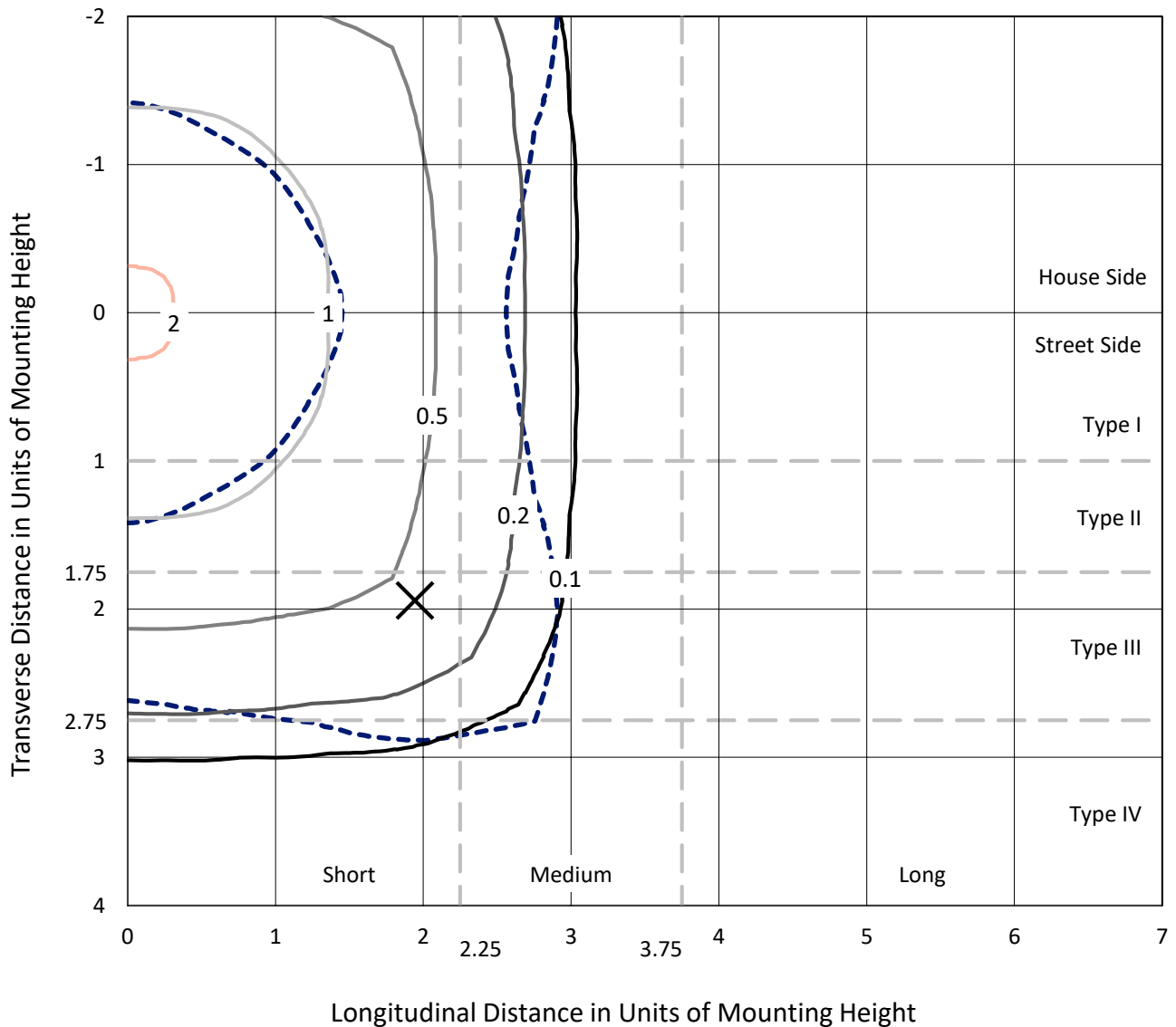
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

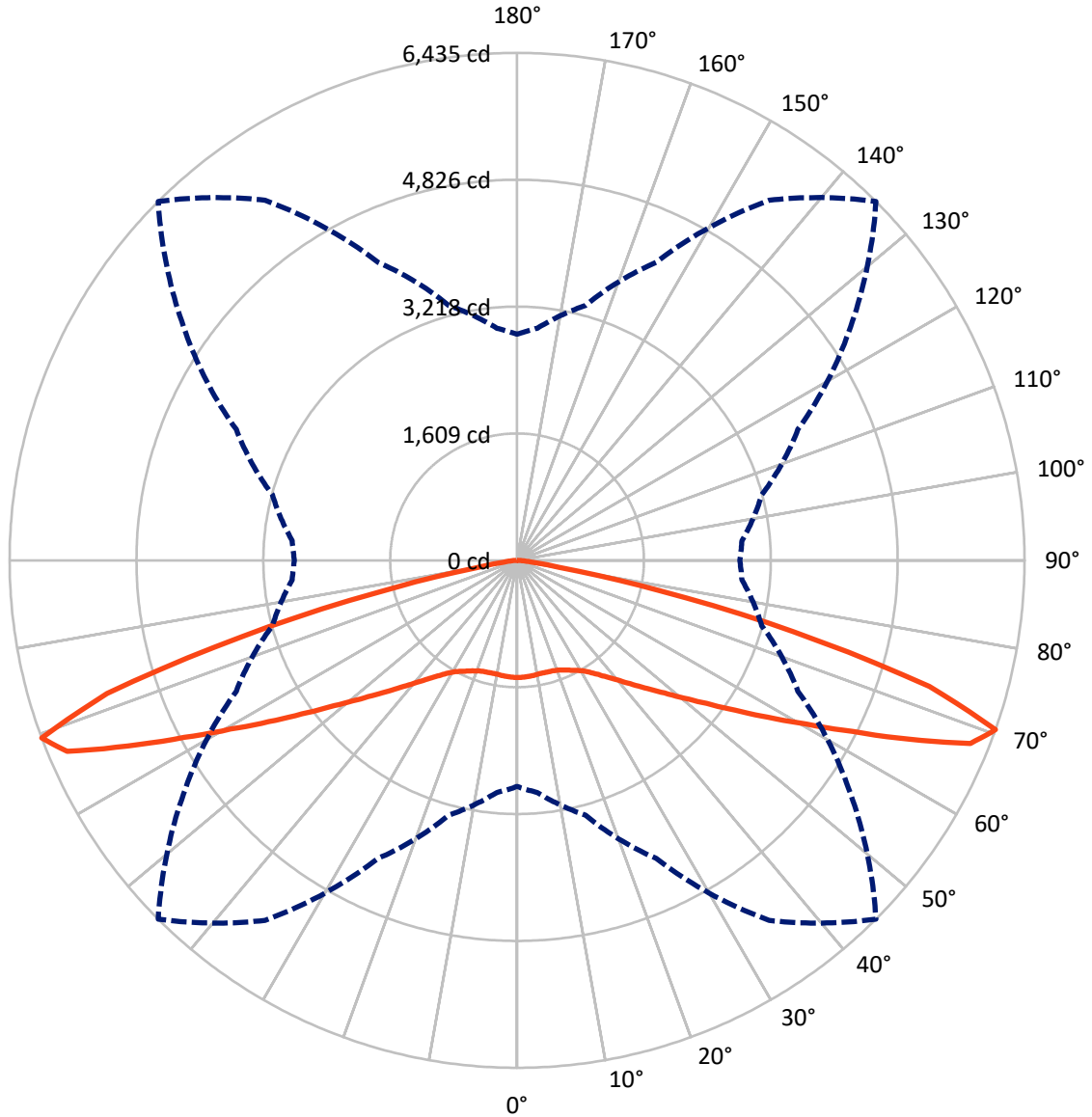
× Max cd
 - - - 1/2 Max cd



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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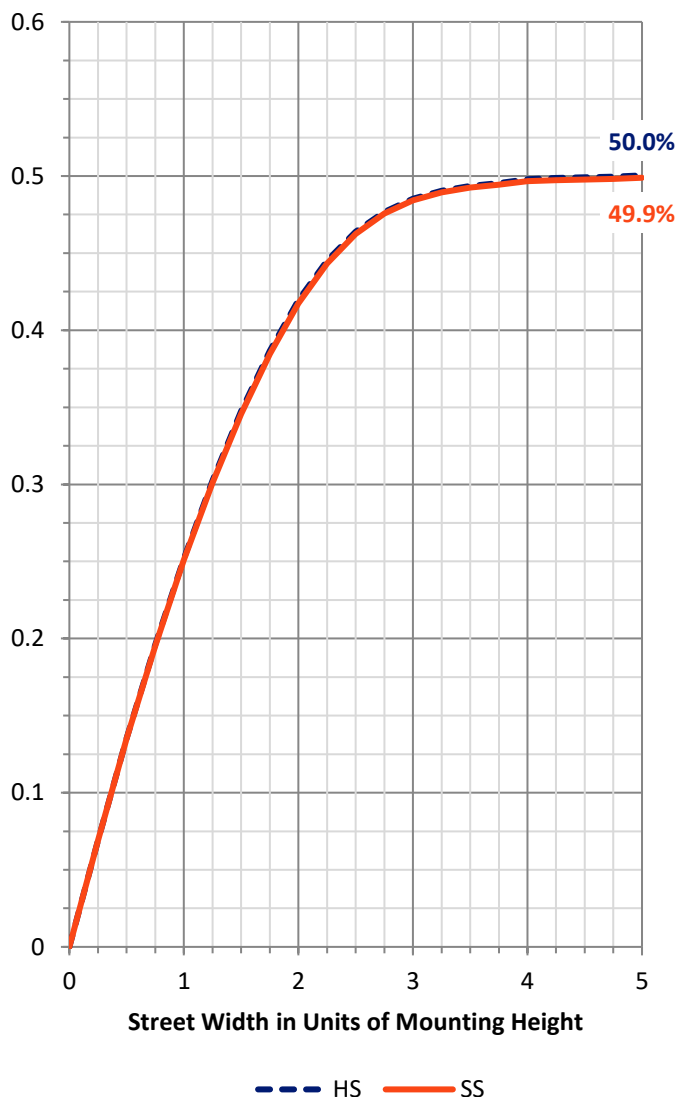
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6805.5	0.0	6805.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6805.5	0.0	6805.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13611.0	0.0	13611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	1.0
10°-20°	413.3	3.0
20°-30°	703.6	5.2
30°-40°	1115.9	8.2
40°-50°	1815.9	13.3
50°-60°	2994.2	22.0
60°-70°	4395.5	32.3
70°-80°	1943.7	14.3
80°-90°	88.0	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°	13611.0	100.0
0°-180°	13611.0	100.0

Coefficient of Utilization

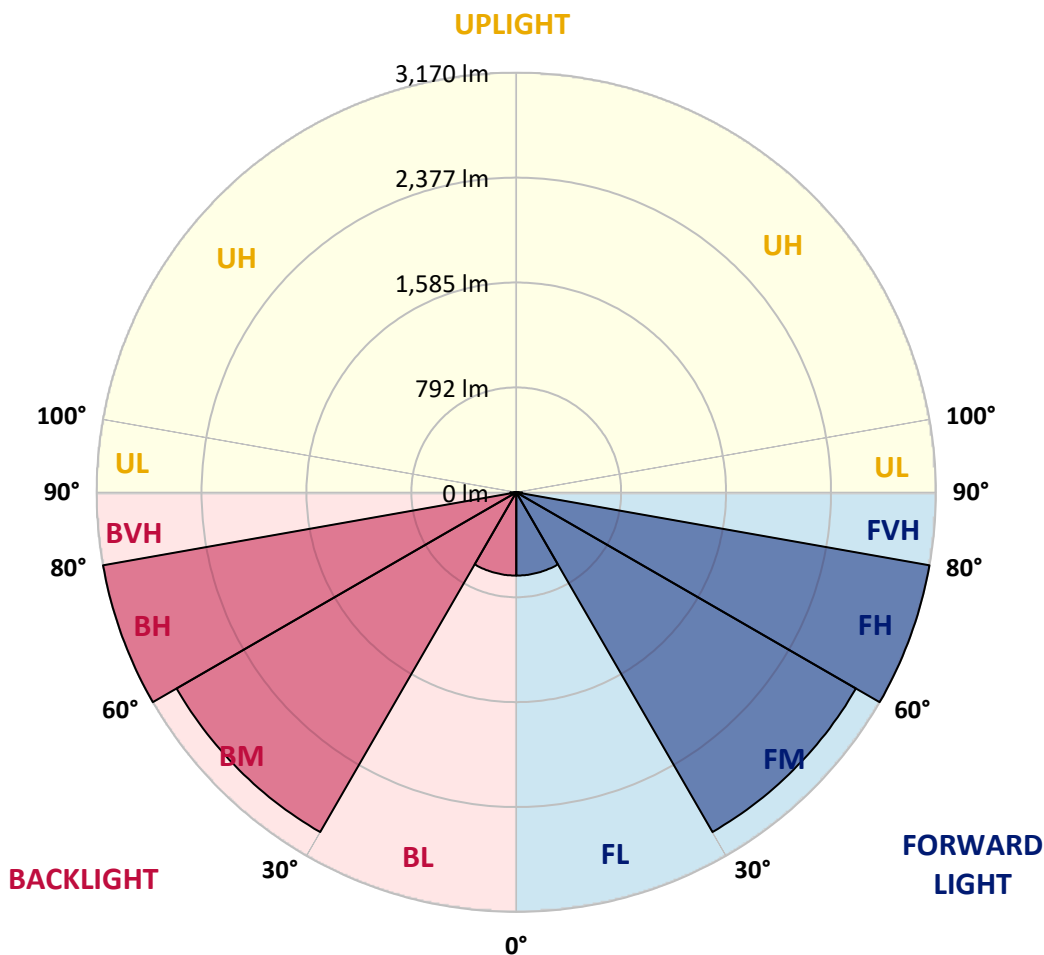


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	628.9	4.6			
FM (30°-60°)	2963.0	21.8			
FH (60°-80°)	3169.6	23.3			G2/5000
FVH (80°-90°)	44.0	0.3			G1/100
BL (0°-30°)	628.9	4.6	B2/1000		
BM (30°-60°)	2963.0	21.8	B3/5000		
BH (60°-80°)	3169.6	23.3	B4/5000		G2/5000
BVH (80°-90°)	44.0	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°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1484.3	1482.9	1486.1	1485.6	1482.9	1483.4	1483.4	1484.7	1484.7	1483.8	1483.8
5°	1478.9	1478.0	1481.6	1481.6	1478.9	1479.8	1480.7	1482.0	1481.6	1480.7	1480.2
7.5°	1472.1	1471.7	1475.3	1475.3	1473.5	1474.4	1473.5	1473.9	1473.0	1472.1	1470.8
10°	1460.9	1461.8	1464.9	1465.8	1465.8	1466.3	1465.4	1463.1	1461.8	1460.4	1459.1
12.5°	1450.5	1450.0	1454.6	1456.8	1460.4	1464.5	1461.8	1455.5	1452.7	1450.0	1449.1
15°	1443.7	1444.2	1448.7	1452.7	1459.1	1467.6	1464.5	1454.6	1449.1	1446.0	1445.1
17.5°	1442.4	1443.3	1449.1	1456.4	1463.1	1472.6	1470.8	1460.9	1451.8	1446.0	1444.6
20°	1445.5	1446.0	1455.0	1465.4	1477.1	1486.1	1482.0	1471.2	1459.1	1450.0	1447.8
22.5°	1451.4	1453.2	1464.5	1480.7	1498.7	1510.9	1505.9	1487.4	1468.5	1457.3	1454.1
25°	1469.9	1470.3	1485.6	1507.7	1529.3	1543.3	1537.4	1511.3	1487.0	1474.4	1470.3
27.5°	1508.2	1509.5	1524.8	1550.5	1569.0	1578.0	1574.4	1553.2	1532.5	1519.0	1520.3
30°	1563.6	1565.4	1582.5	1610.9	1622.1	1624.4	1623.5	1613.6	1594.6	1576.6	1578.0
32.5°	1631.1	1632.0	1655.0	1680.7	1689.7	1691.5	1689.7	1680.7	1658.2	1633.8	1635.2
35°	1718.1	1720.8	1742.8	1767.6	1774.8	1778.4	1775.3	1763.6	1740.1	1716.3	1715.4
37.5°	1825.3	1825.7	1848.7	1874.4	1883.4	1884.3	1880.7	1873.0	1843.8	1822.1	1820.8
40°	1949.6	1951.4	1978.4	2005.9	2009.5	2005.5	2010.4	2005.9	1975.7	1951.0	1955.0
42.5°	2101.0	2105.0	2137.5	2164.5	2154.1	2151.9	2155.0	2156.4	2132.0	2101.9	2099.2
45°	2277.1	2280.7	2321.2	2342.9	2336.1	2321.2	2327.6	2338.4	2304.6	2267.2	2270.8
47.5°	2478.0	2487.0	2530.3	2550.5	2533.9	2513.6	2525.8	2542.0	2502.3	2455.9	2453.7
50°	2701.4	2712.7	2770.4	2798.7	2782.1	2744.7	2765.0	2775.8	2718.6	2658.6	2653.7
52.5°	2939.7	2951.0	3023.5	3082.1	3071.3	3013.2	3041.5	3030.3	2964.5	2883.9	2877.6
55°	3209.6	3214.1	3292.4	3387.0	3397.9	3355.1	3353.3	3334.8	3237.5	3144.2	3139.7
57.5°	3487.0	3490.2	3591.6	3703.3	3754.2	3754.2	3703.7	3664.5	3535.2	3427.1	3415.9
60°	3786.6	3797.9	3910.0	4061.8	4180.8	4215.9	4126.7	4019.9	3879.4	3747.4	3734.4
62.5°	4053.3	4066.3	4238.0	4464.1	4655.1	4783.0	4565.0	4391.1	4135.3	3923.5	3898.8
65°	4087.1	4122.2	4372.2	4781.7	5209.2	5464.6	5046.6	4618.2	4151.9	3857.8	3832.6
67.5°	3732.5	3792.0	4129.9	4767.3	5650.6	6198.8	5354.2	4488.4	3852.8	3527.6	3499.7
70°	2868.1	2954.6	3344.2	4170.0	5574.5	6435.3	5161.4	3929.4	3212.3	2862.3	2823.1
72.5°	1573.5	1609.1	1959.5	2855.5	4469.1	5468.6	4305.1	2905.5	2130.2	1733.4	1667.6
75°	499.1	511.7	690.1	1168.5	2528.0	3622.2	2734.8	1426.2	785.2	578.8	572.1
77.5°	221.6	223.0	249.6	341.0	870.7	1835.2	1046.0	388.3	267.6	233.8	241.4
80°	140.1	140.1	154.5	168.9	236.9	532.9	282.9	184.7	157.7	146.4	149.6
82.5°	67.1	74.3	100.5	108.1	130.2	179.3	145.0	120.7	105.4	78.4	73.0
85°	44.1	36.9	63.5	71.6	75.7	86.0	84.2	79.7	68.9	39.2	43.7
87.5°	19.8	18.9	32.9	30.2	28.4	21.6	32.4	40.1	38.7	19.4	19.4
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)