

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: P316446

Luminaire Tested: **GAN-SA2C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316446
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-SA2C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13845 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

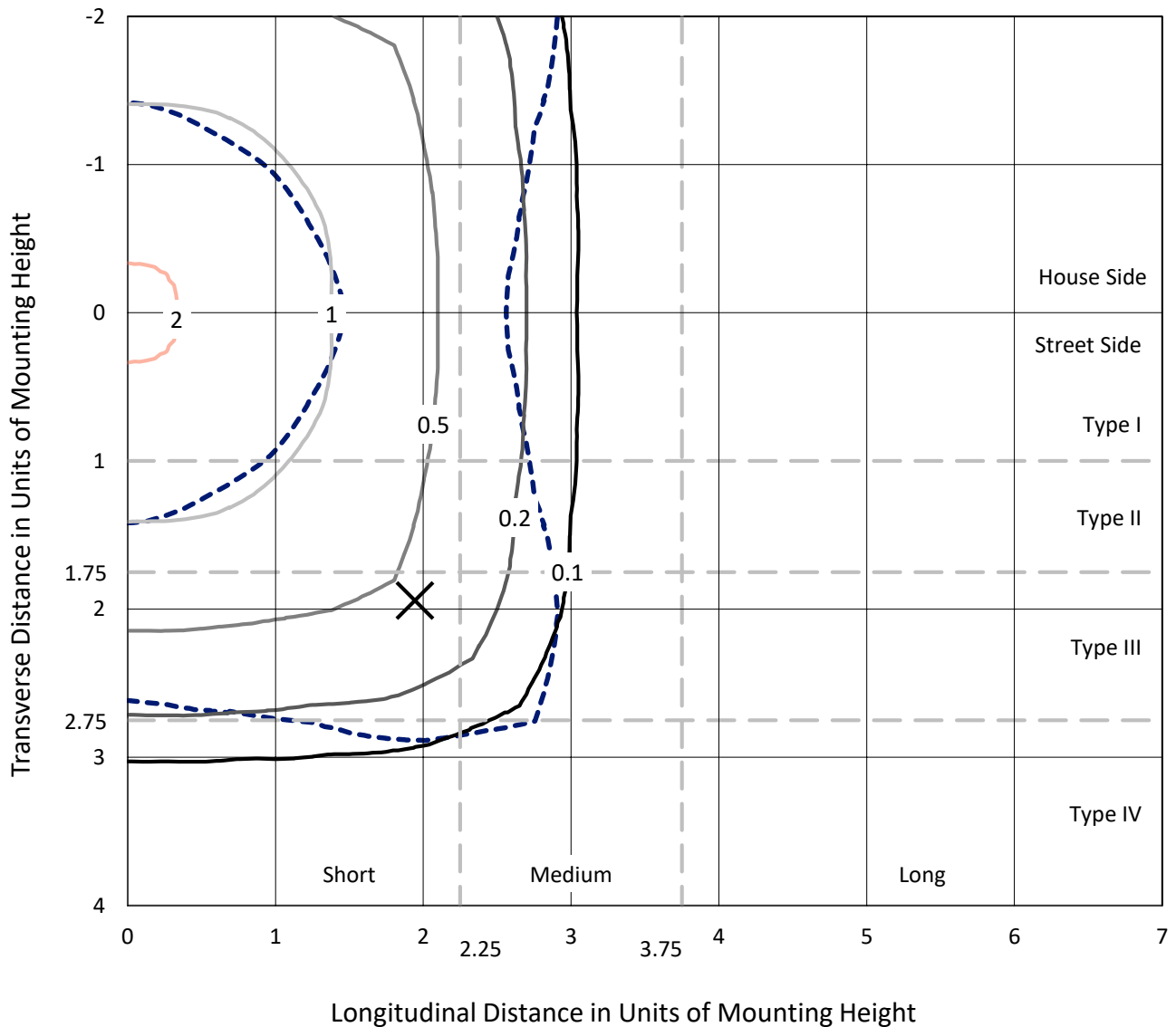
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

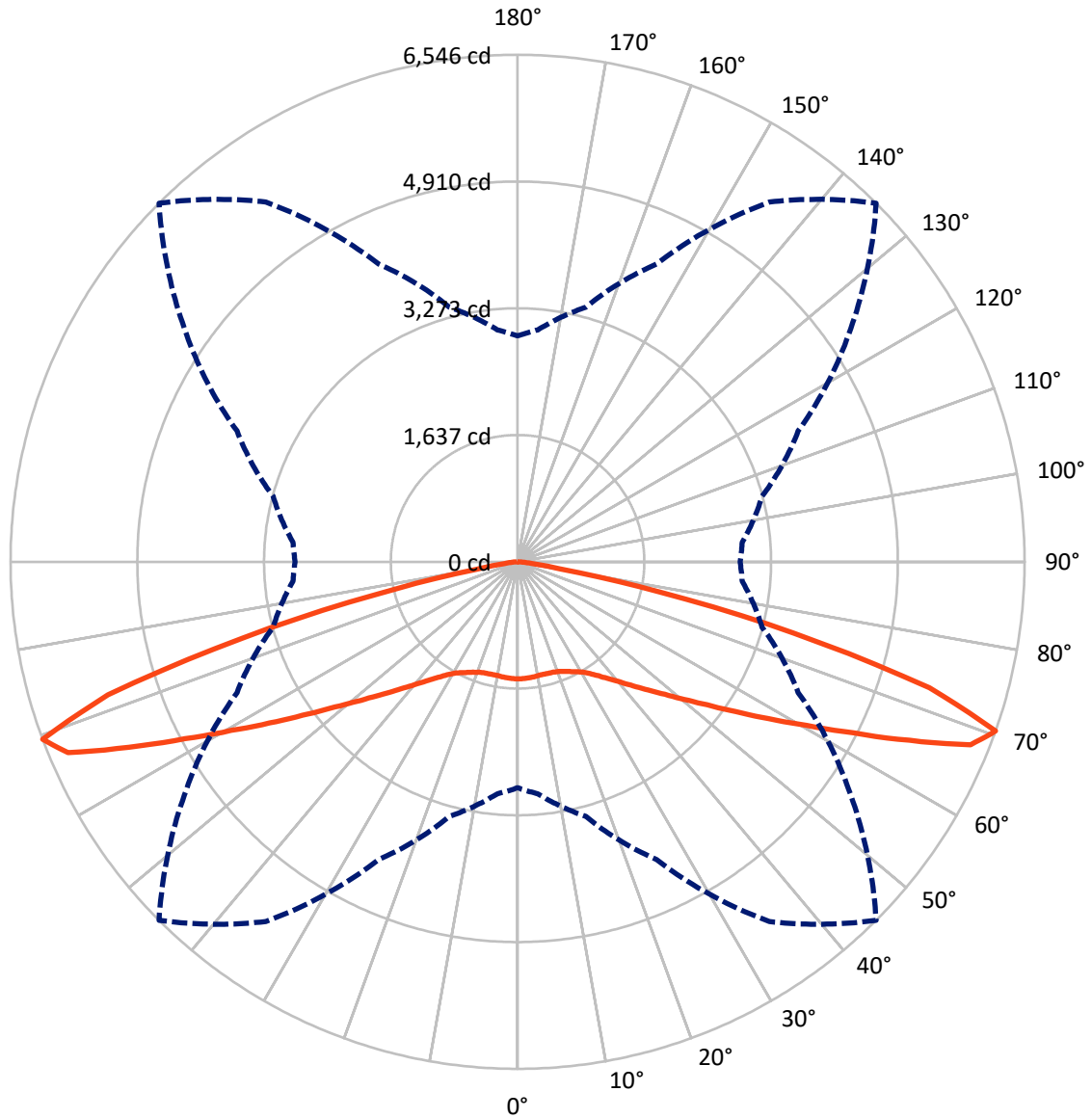
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P316446
CATALOG NUMBER: GAN-SA2C-730-U-5MQ

Luminous Intensity Polar Plot



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

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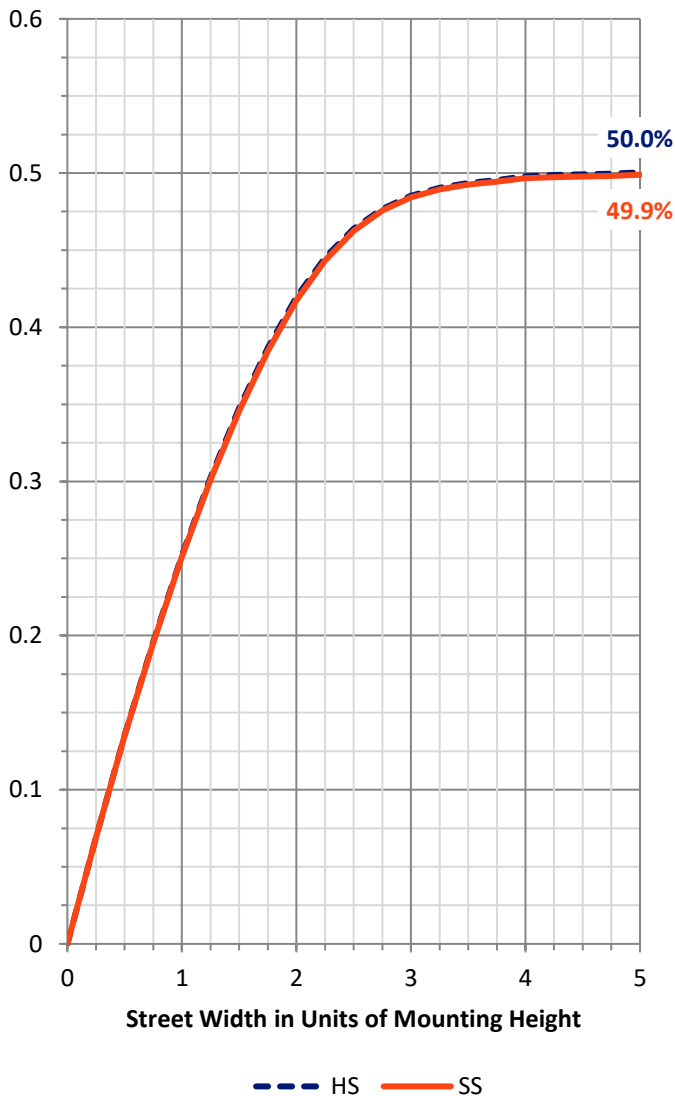
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6922.5	0.0	6922.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6922.5	0.0	6922.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13845.0	0.0	13845.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	1.0
10°-20°	420.4	3.0
20°-30°	715.7	5.2
30°-40°	1135.1	8.2
40°-50°	1847.2	13.3
50°-60°	3045.6	22.0
60°-70°	4471.1	32.3
70°-80°	1977.1	14.3
80°-90°	89.5	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°	13845.0	100.0
0°-180°	13845.0	100.0

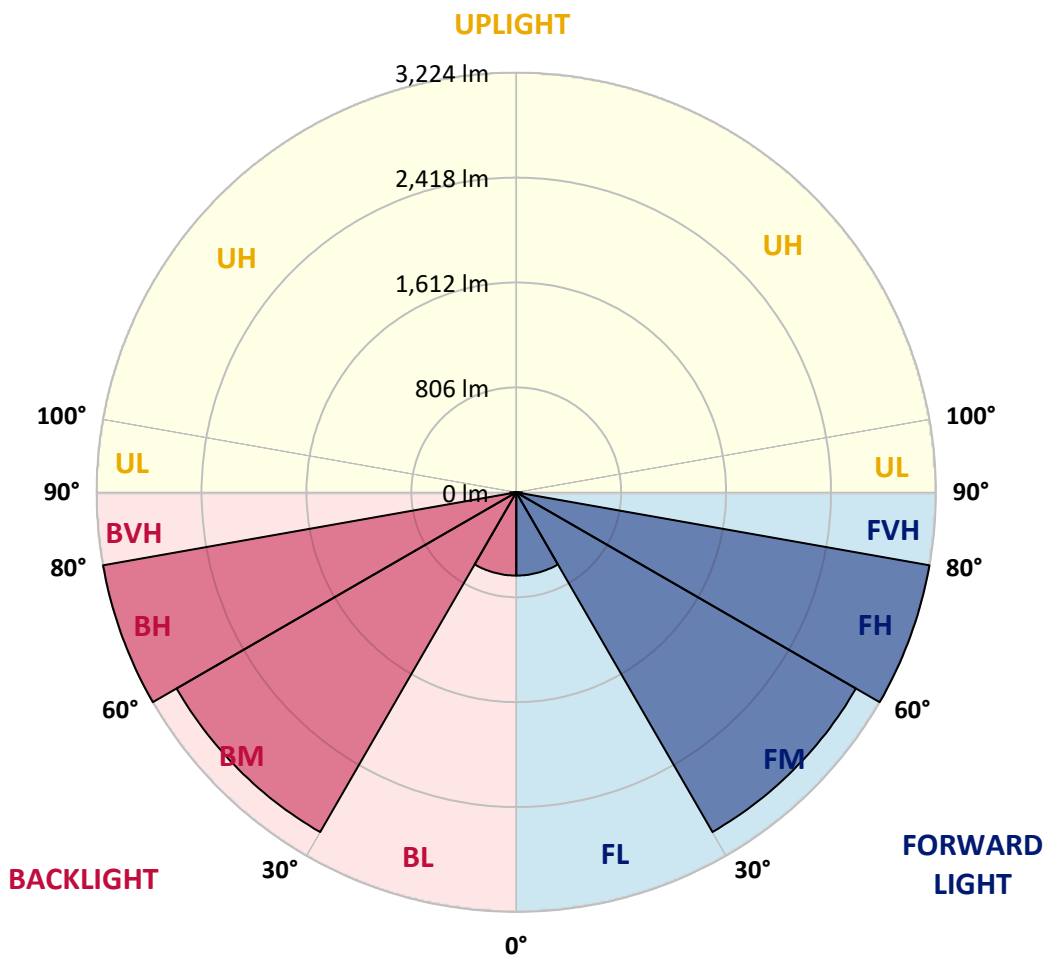


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.7	4.6			
FM (30°-60°)	3014.0	21.8			
FH (60°-80°)	3224.1	23.3			G2/5000
FVH (80°-90°)	44.8	0.3			G1/100
BL (0°-30°)	639.7	4.6	B2/1000		
BM (30°-60°)	3014.0	21.8	B3/5000		
BH (60°-80°)	3224.1	23.3	B4/5000		G2/5000
BVH (80°-90°)	44.8	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°	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1	1512.1
2.5°	1509.8	1508.4	1511.6	1511.2	1508.4	1508.9	1508.9	1510.3	1510.3	1509.3	1509.3
5°	1504.3	1503.4	1507.0	1507.0	1504.3	1505.2	1506.1	1507.5	1507.0	1506.1	1505.7
7.5°	1497.4	1497.0	1500.6	1500.6	1498.8	1499.7	1498.8	1499.3	1498.3	1497.4	1496.1
10°	1486.0	1486.9	1490.1	1491.0	1491.0	1491.5	1490.6	1488.3	1486.9	1485.5	1484.1
12.5°	1475.4	1475.0	1479.6	1481.8	1485.5	1489.6	1486.9	1480.5	1477.7	1475.0	1474.1
15°	1468.6	1469.0	1473.6	1477.7	1484.1	1492.8	1489.6	1479.6	1474.1	1470.9	1469.9
17.5°	1467.2	1468.1	1474.1	1481.4	1488.3	1497.9	1496.1	1486.0	1476.8	1470.9	1469.5
20°	1470.4	1470.9	1480.0	1490.6	1502.5	1511.6	1507.5	1496.5	1484.1	1475.0	1472.7
22.5°	1476.3	1478.2	1489.6	1506.1	1524.5	1536.8	1531.8	1513.0	1493.8	1482.3	1479.1
25°	1495.1	1495.6	1511.2	1533.6	1555.6	1569.8	1563.9	1537.3	1512.5	1499.7	1495.6
27.5°	1534.1	1535.5	1551.0	1577.2	1595.9	1605.1	1601.4	1579.9	1558.8	1545.1	1546.5
30°	1590.4	1592.3	1609.7	1638.6	1650.0	1652.3	1651.4	1641.3	1622.1	1603.7	1605.1
32.5°	1659.2	1660.1	1683.5	1709.6	1718.7	1720.6	1718.7	1709.6	1686.7	1661.9	1663.3
35°	1747.6	1750.4	1772.8	1798.0	1805.3	1809.0	1805.8	1793.9	1770.1	1745.8	1744.9
37.5°	1856.7	1857.1	1880.5	1906.6	1915.8	1916.7	1913.0	1905.2	1875.4	1853.5	1852.1
40°	1983.1	1985.0	2012.5	2040.4	2044.1	2039.9	2045.0	2040.4	2009.7	1984.5	1988.6
42.5°	2137.1	2141.2	2174.2	2201.7	2191.2	2188.9	2192.1	2193.4	2168.7	2138.0	2135.3
45°	2316.2	2319.9	2361.2	2383.1	2376.3	2361.2	2367.6	2378.6	2344.2	2306.2	2309.8
47.5°	2520.6	2529.8	2573.8	2594.4	2577.4	2556.8	2569.2	2585.7	2545.4	2498.2	2495.9
50°	2747.9	2759.3	2818.0	2846.9	2829.9	2791.9	2812.5	2823.5	2765.3	2704.3	2699.3
52.5°	2990.3	3001.7	3075.5	3135.1	3124.1	3065.0	3093.8	3082.4	3015.5	2933.5	2927.0
55°	3264.7	3269.3	3349.0	3445.3	3456.3	3412.7	3410.9	3392.1	3293.1	3198.3	3193.7
57.5°	3547.0	3550.2	3653.3	3766.9	3818.7	3818.7	3767.4	3727.5	3596.0	3486.1	3474.6
60°	3851.7	3863.2	3977.3	4131.7	4252.6	4288.4	4197.7	4089.1	3946.1	3811.8	3798.6
62.5°	4123.0	4136.3	4310.8	4540.9	4735.1	4865.3	4643.5	4466.6	4206.4	3991.0	3965.8
65°	4157.3	4193.1	4447.4	4863.9	5298.7	5558.5	5133.3	4697.6	4223.3	3924.1	3898.4
67.5°	3796.7	3857.2	4200.9	4849.2	5747.8	6305.4	5446.3	4565.6	3919.1	3588.2	3559.8
70°	2917.4	3005.4	3401.7	4241.6	5670.3	6546.0	5250.2	3997.0	3267.5	2911.5	2871.6
72.5°	1600.5	1636.7	1993.2	2904.6	4545.9	5562.7	4379.1	2955.4	2166.9	1763.2	1696.3
75°	507.7	520.5	702.0	1188.6	2571.5	3684.5	2781.8	1450.7	798.7	588.8	581.9
77.5°	225.4	226.8	253.8	346.9	885.7	1866.7	1064.0	395.0	272.2	237.8	245.6
80°	142.5	142.5	157.2	171.8	241.0	542.1	287.8	187.9	160.4	148.9	152.1
82.5°	68.3	75.6	102.2	110.0	132.4	182.4	147.5	122.8	107.2	79.7	74.2
85°	44.9	37.6	64.6	72.9	77.0	87.5	85.7	81.1	70.1	39.9	44.4
87.5°	20.2	19.2	33.4	30.7	28.9	22.0	33.0	40.8	39.4	19.7	19.7
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)