

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: P316766

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13596 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

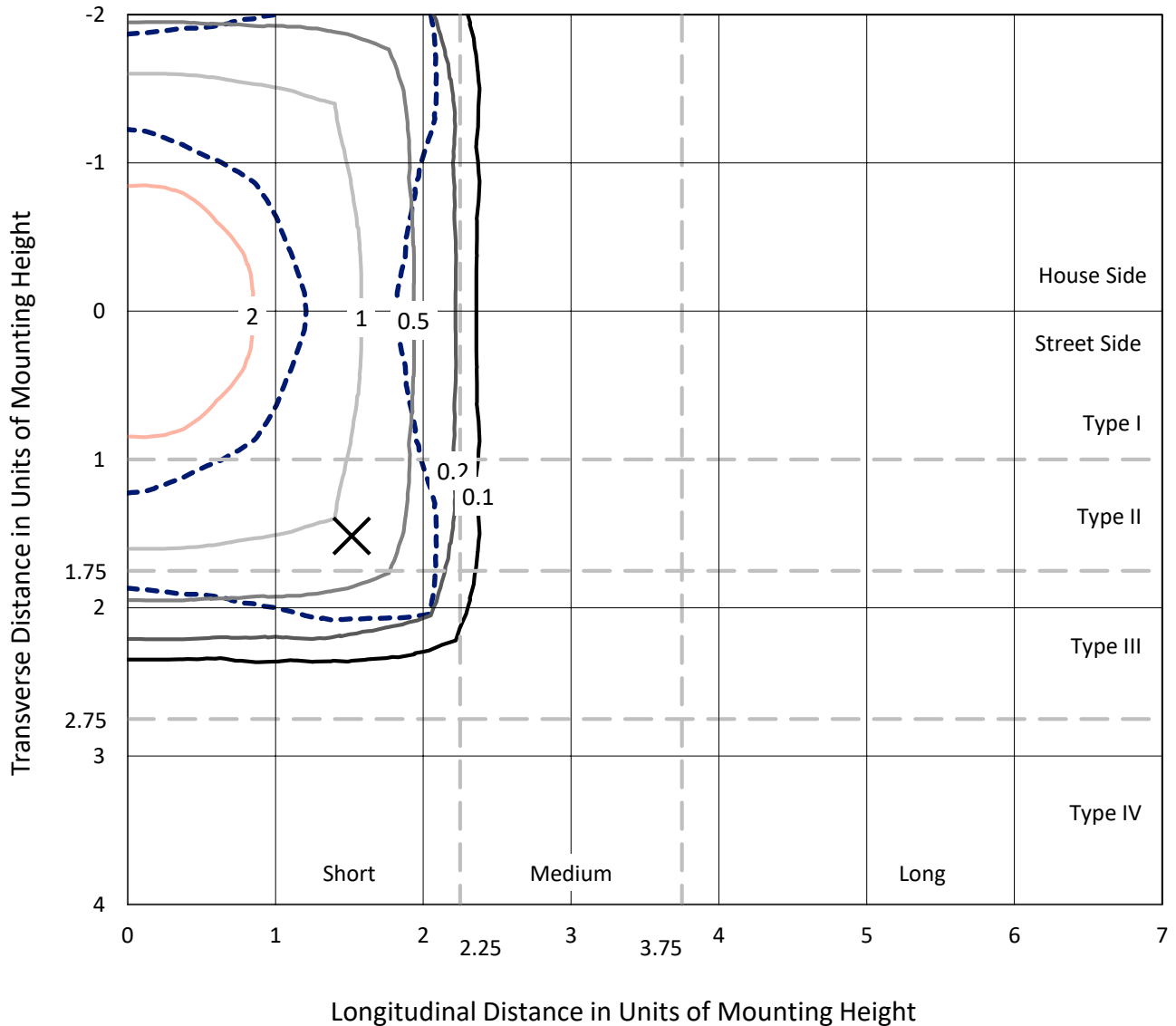
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

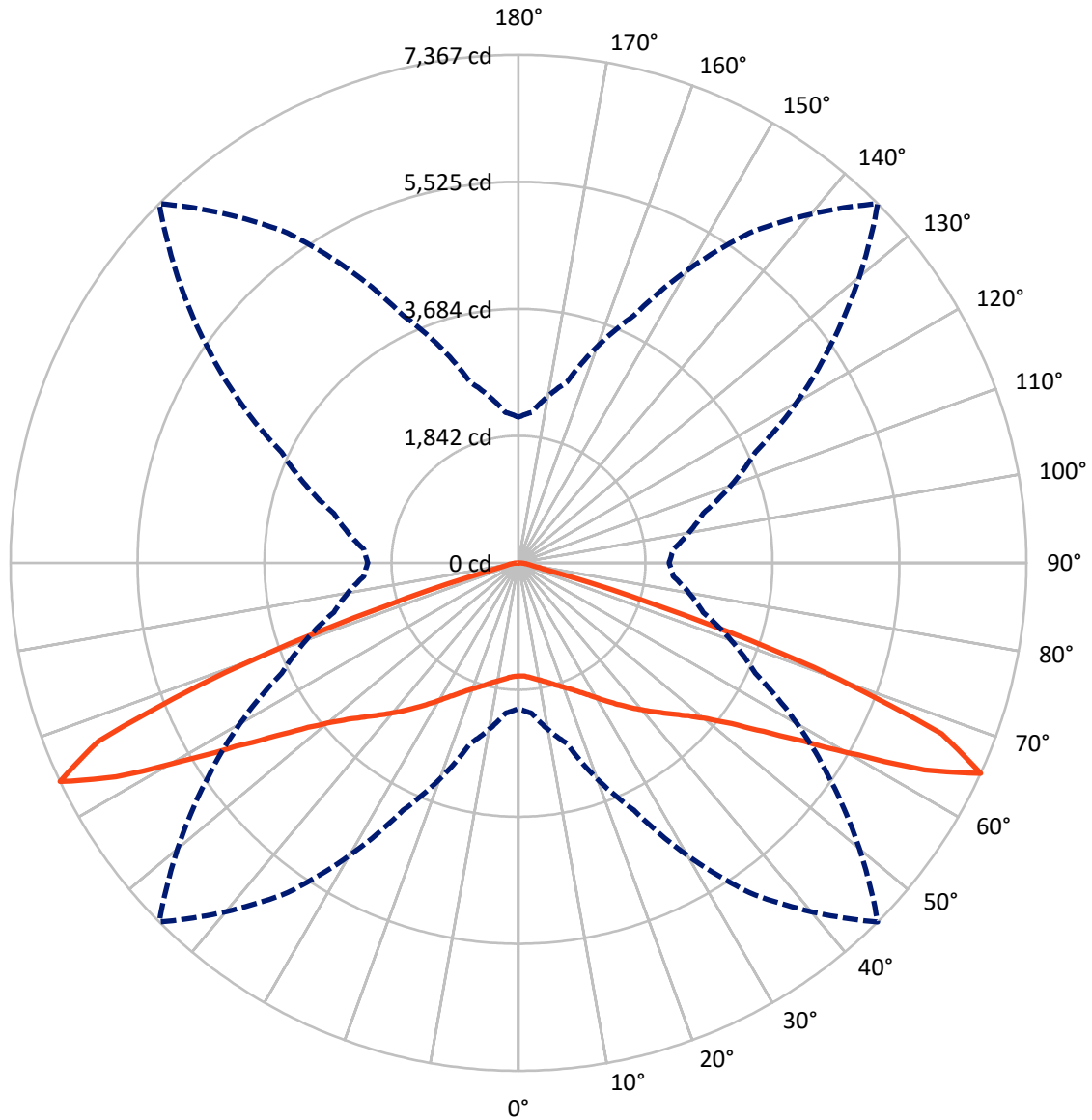
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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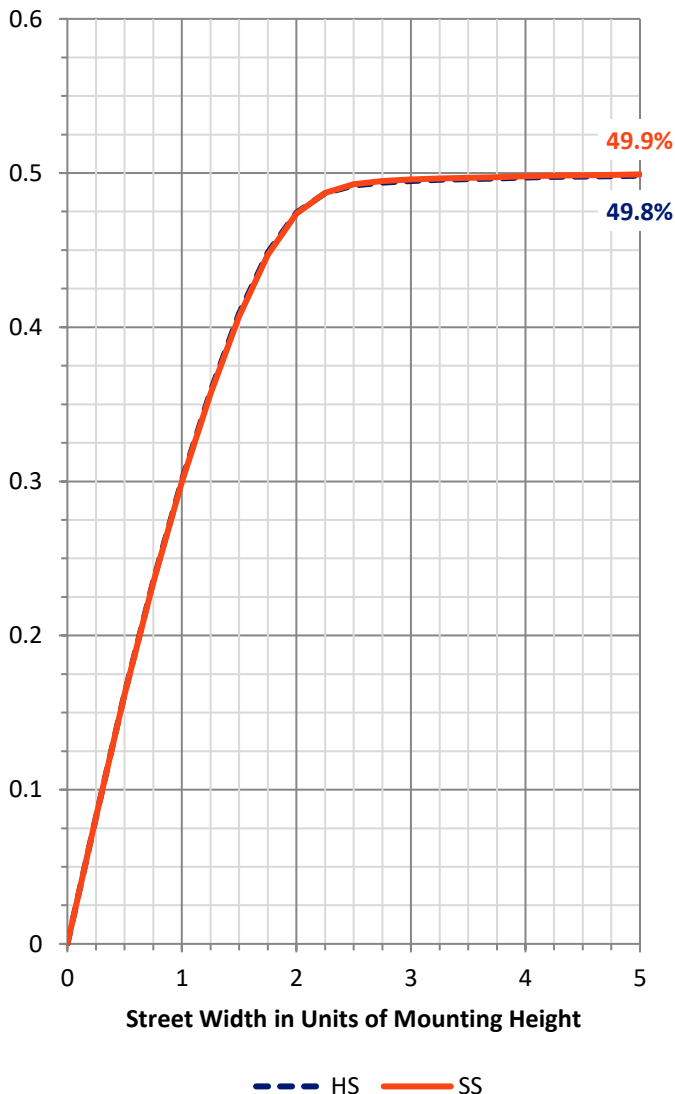
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6798.0	0.0	6798.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6798.0	0.0	6798.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13596.0	0.0	13596.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	1.2
10°-20°	517.8	3.8
20°-30°	971.5	7.1
30°-40°	1606.6	11.8
40°-50°	2488.4	18.3
50°-60°	3816.6	28.1
60°-70°	3561.3	26.2
70°-80°	414.5	3.0
80°-90°	58.2	0.4
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°	13596.0	100.0
0°-180°	13596.0	100.0



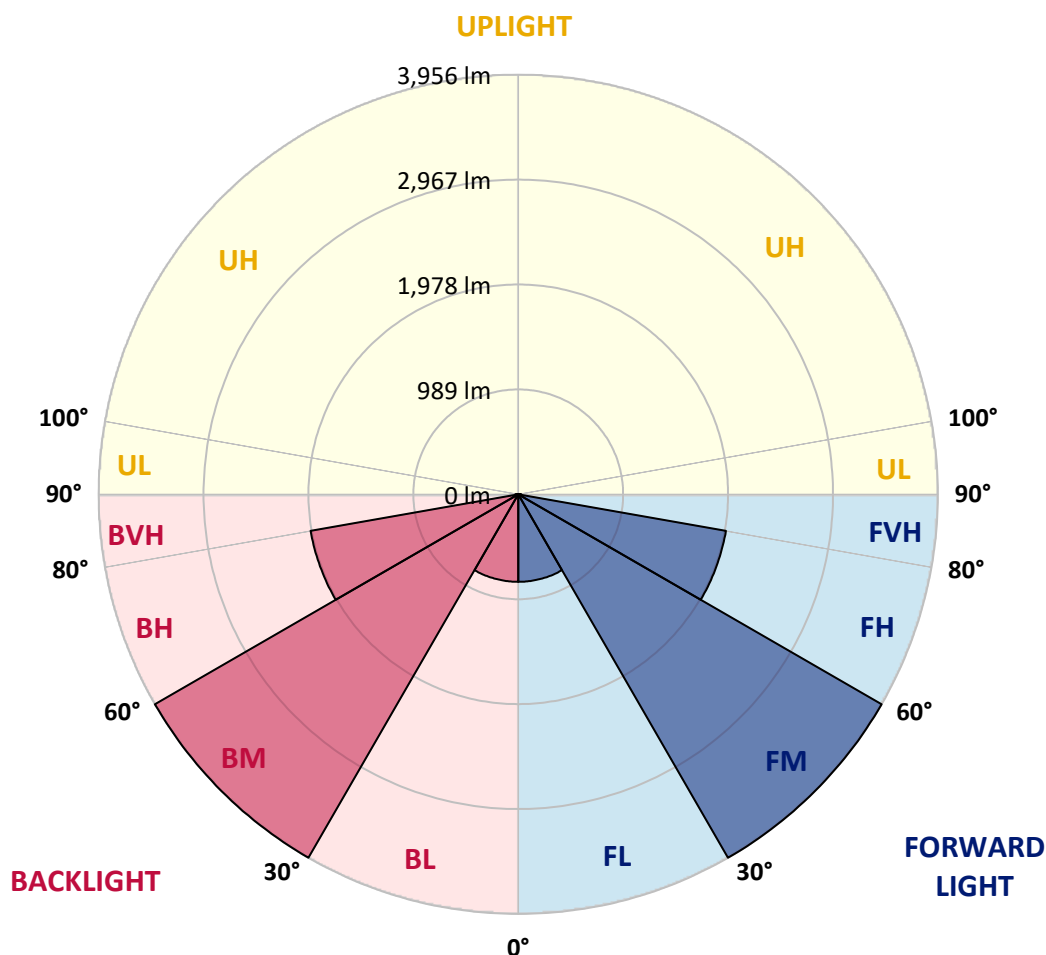
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.2	6.1			
FM (30°-60°)	3955.8	29.1			
FH (60°-80°)	1987.9	14.6			G2/5000
FVH (80°-90°)	29.1	0.2			G1/100
BL (0°-30°)	825.2	6.1	B2/1000		
BM (30°-60°)	3955.8	29.1	B3/5000		
BH (60°-80°)	1987.9	14.6	B3/2500		G2/5000
BVH (80°-90°)	29.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9	1641.9
2.5°	1647.3	1646.4	1647.3	1647.8	1645.0	1646.4	1646.0	1648.2	1649.1	1648.2	1648.2
5°	1666.3	1664.9	1666.7	1669.0	1665.4	1666.3	1664.9	1667.6	1668.5	1666.7	1668.1
7.5°	1692.4	1692.9	1694.7	1698.8	1696.5	1698.3	1695.6	1696.0	1695.6	1692.9	1693.3
10°	1720.9	1721.3	1724.5	1729.9	1730.8	1730.8	1729.0	1727.6	1725.8	1724.0	1724.5
12.5°	1755.2	1757.4	1759.7	1766.5	1766.5	1770.1	1769.2	1765.5	1762.4	1759.7	1759.7
15°	1801.7	1801.2	1803.9	1810.7	1813.8	1819.7	1819.7	1814.7	1810.7	1808.0	1807.1
17.5°	1850.4	1851.8	1853.6	1861.7	1866.6	1873.4	1874.3	1870.3	1867.5	1863.9	1861.7
20°	1907.3	1909.5	1916.7	1919.9	1924.4	1930.7	1933.0	1932.1	1929.4	1927.6	1928.0
22.5°	1973.6	1979.5	1984.0	1988.5	1993.9	1998.4	2000.7	2003.8	2001.1	1999.8	1998.9
25°	2053.9	2058.0	2067.0	2075.2	2078.8	2080.1	2082.8	2087.3	2086.9	2083.7	2083.7
27.5°	2145.1	2152.8	2164.1	2175.8	2175.8	2171.3	2180.3	2188.0	2185.3	2181.2	2175.8
30°	2255.7	2262.9	2276.0	2292.2	2284.1	2281.0	2293.1	2307.1	2303.1	2296.3	2295.4
32.5°	2374.8	2381.6	2398.7	2416.3	2406.0	2401.5	2414.5	2434.9	2427.6	2414.1	2406.0
35°	2503.9	2510.7	2535.0	2556.3	2538.7	2531.0	2541.8	2563.9	2551.3	2526.0	2519.7
37.5°	2644.3	2647.9	2679.5	2701.1	2688.9	2668.6	2682.2	2698.4	2687.6	2656.9	2644.7
40°	2790.0	2803.1	2839.7	2865.0	2843.7	2811.7	2834.3	2856.8	2840.6	2801.3	2780.6
42.5°	2960.2	2970.1	3018.9	3041.4	3007.1	2962.0	2992.7	3023.4	3007.1	2969.2	2951.2
45°	3137.1	3152.4	3210.7	3233.2	3183.6	3126.3	3163.7	3217.4	3216.1	3161.5	3142.5
47.5°	3329.8	3345.2	3414.7	3444.4	3390.7	3314.0	3366.8	3442.6	3437.2	3377.2	3361.9
50°	3552.3	3568.6	3655.2	3692.7	3642.6	3553.2	3632.6	3699.4	3689.5	3615.5	3616.8
52.5°	3831.7	3830.8	3938.6	4003.6	3952.2	3873.2	3946.3	4011.3	3970.2	3867.8	3864.6
55°	4076.3	4091.2	4224.8	4348.0	4344.8	4314.6	4343.9	4346.6	4229.3	4093.0	4076.3
57.5°	4237.0	4265.4	4453.6	4676.5	4843.5	4883.7	4826.8	4654.4	4379.6	4161.6	4135.0
60°	4138.1	4181.4	4477.1	4931.5	5423.5	5659.5	5338.6	4803.8	4262.7	3958.9	3922.8
62.5°	3471.1	3544.2	3977.0	4808.3	5922.6	6612.7	5709.6	4564.2	3797.8	3379.5	3317.6
65°	2114.0	2191.1	2712.9	3957.6	5841.8	7367.3	5540.4	3788.4	2772.0	2251.6	2184.8
67.5°	704.5	727.1	1034.4	2187.5	4591.2	6619.5	4598.9	2267.9	1206.4	799.7	776.3
70°	275.8	278.0	328.1	634.1	2168.1	4546.6	2392.4	645.4	343.0	271.2	277.1
72.5°	202.6	203.5	217.5	264.9	565.0	2002.9	585.4	266.3	211.7	190.0	190.0
75°	162.9	162.9	172.9	193.2	253.2	459.4	256.8	190.9	165.6	151.6	149.8
77.5°	128.6	131.3	139.0	152.1	171.5	221.1	177.8	151.2	133.6	120.5	117.8
80°	95.7	98.4	111.0	117.3	123.2	153.4	131.3	118.2	105.6	90.3	87.6
82.5°	62.7	65.4	81.2	84.8	83.5	100.2	88.5	87.1	77.6	58.2	55.5
85°	41.1	42.0	54.2	56.4	51.9	45.6	56.4	59.6	54.2	37.9	36.6
87.5°	19.4	19.4	27.5	25.7	23.5	19.0	25.7	30.2	30.7	18.5	18.1
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)