

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: P316747

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316747
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-SA3A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13365 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

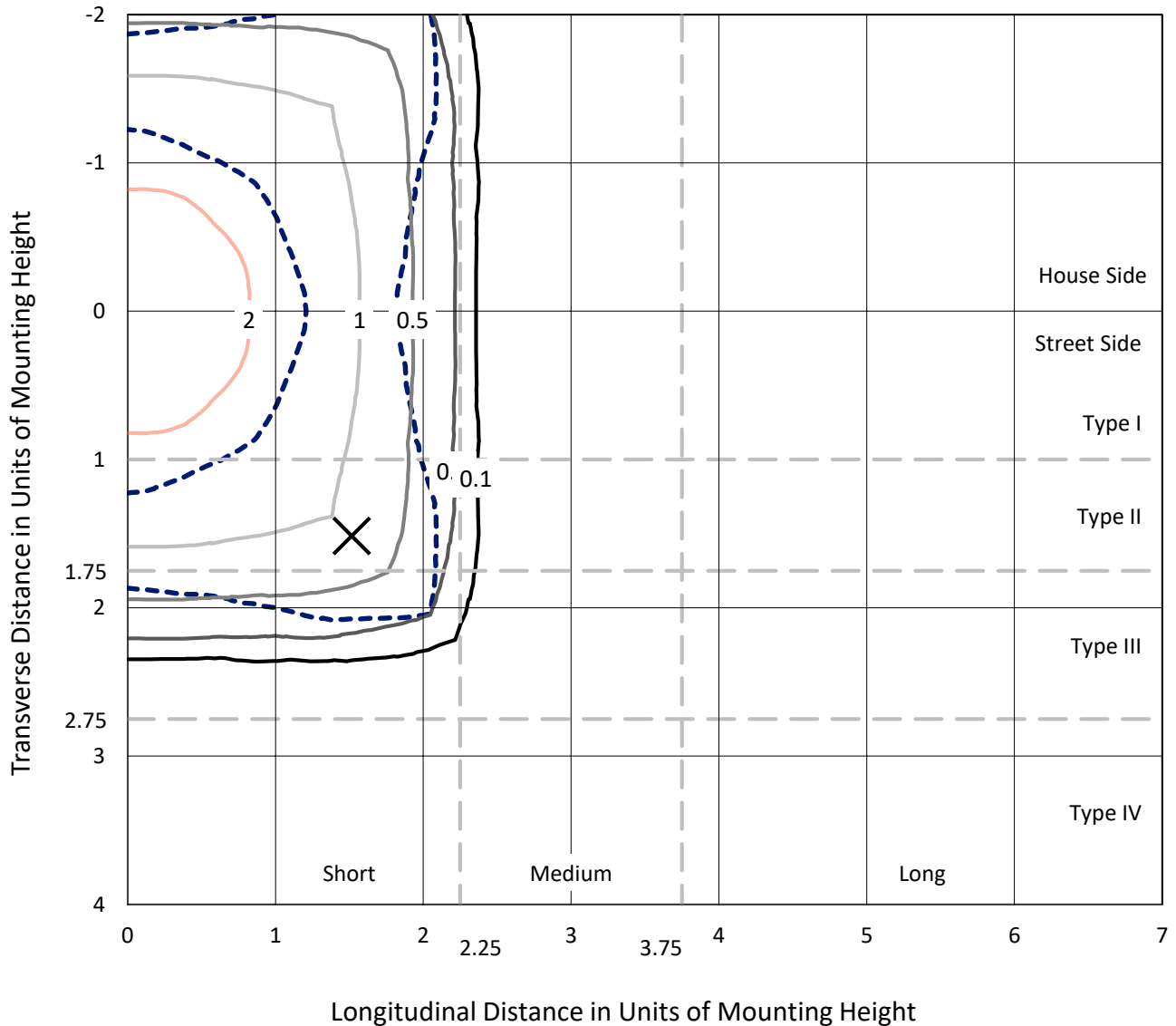
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

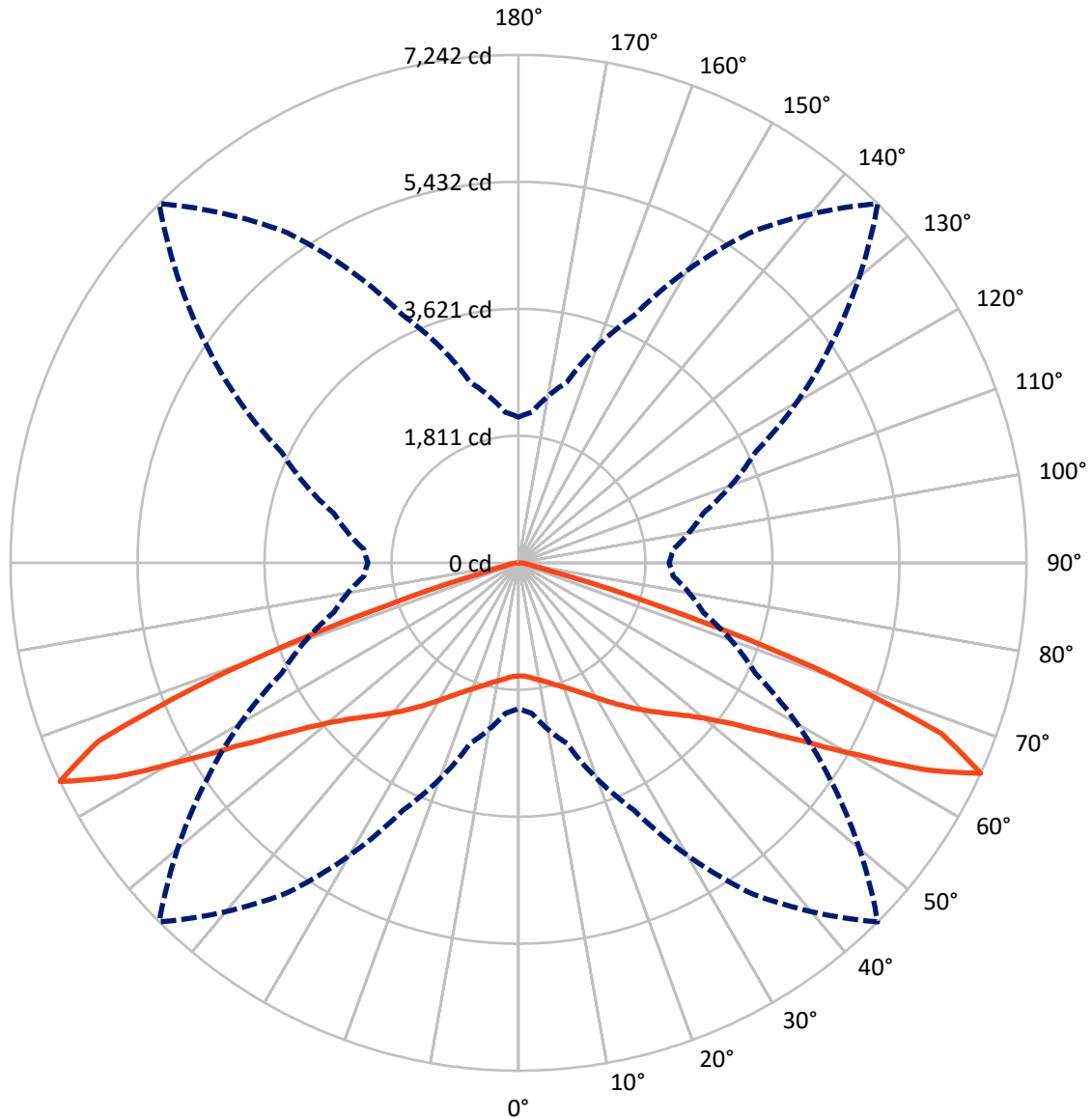
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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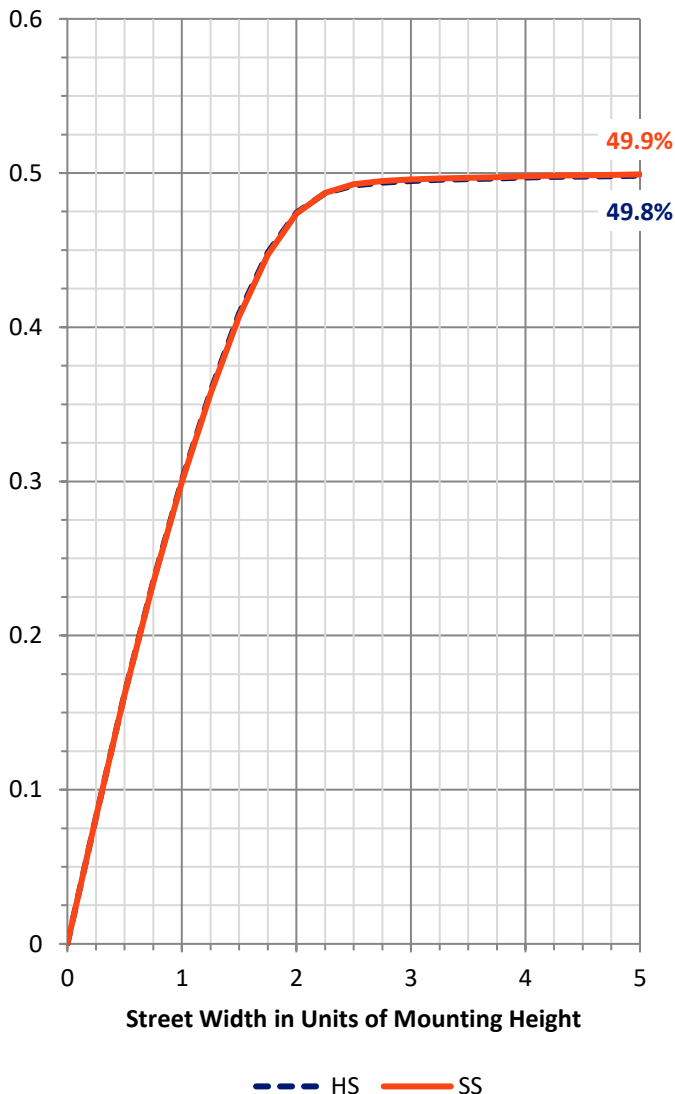
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6682.5	0.0	6682.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6682.5	0.0	6682.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13365.0	0.0	13365.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	1.2
10°-20°	509.0	3.8
20°-30°	955.0	7.1
30°-40°	1579.3	11.8
40°-50°	2446.2	18.3
50°-60°	3751.7	28.1
60°-70°	3500.8	26.2
70°-80°	407.4	3.0
80°-90°	57.3	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°	13365.0	100.0
0°-180°	13365.0	100.0



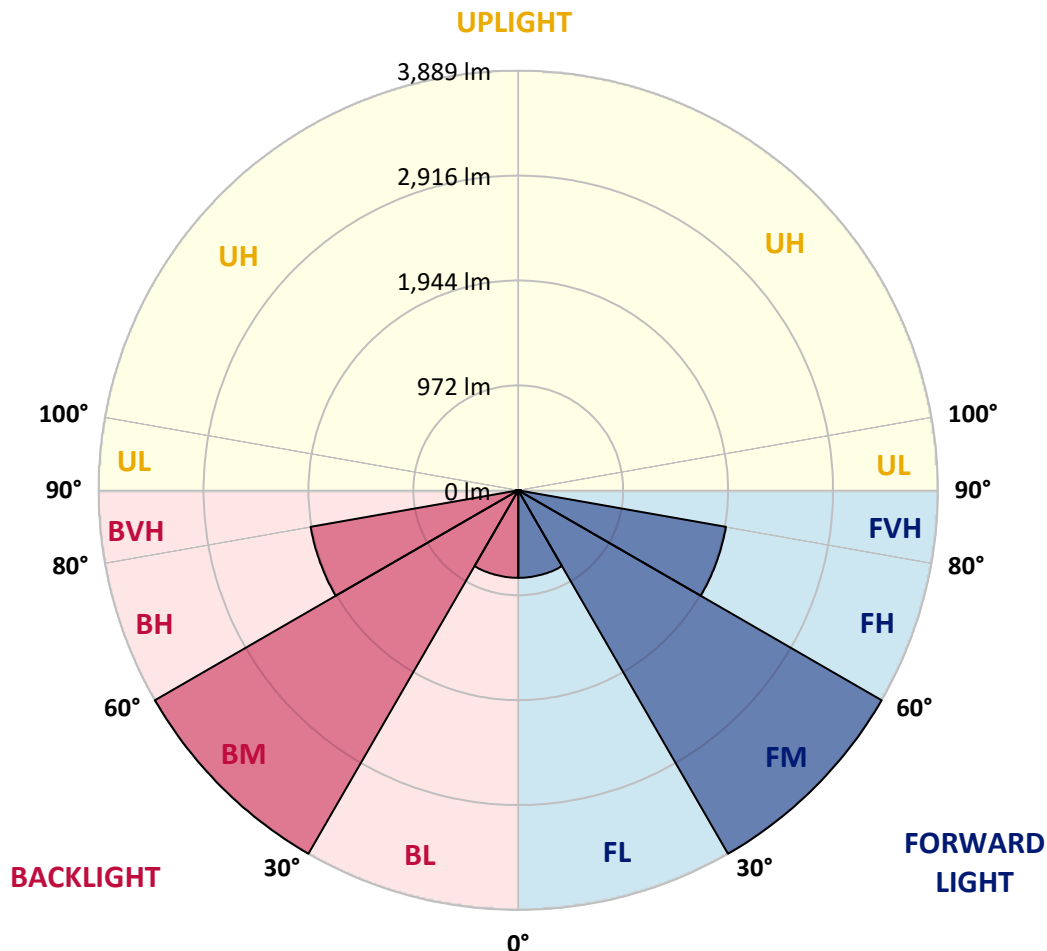
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.2	6.1			
FM (30°-60°)	3888.6	29.1			
FH (60°-80°)	1954.1	14.6			G2/5000
FVH (80°-90°)	28.6	0.2			G1/100
BL (0°-30°)	811.2	6.1	B2/1000		
BM (30°-60°)	3888.6	29.1	B3/5000		
BH (60°-80°)	1954.1	14.6	B3/2500		G2/5000
BVH (80°-90°)	28.6	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°	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0
2.5°	1619.3	1618.4	1619.3	1619.8	1617.1	1618.4	1618.0	1620.2	1621.1	1620.2	1620.2
5°	1638.0	1636.6	1638.4	1640.6	1637.1	1638.0	1636.6	1639.3	1640.2	1638.4	1639.7
7.5°	1663.7	1664.1	1665.9	1669.9	1667.7	1669.4	1666.8	1667.2	1666.8	1664.1	1664.6
10°	1691.6	1692.1	1695.2	1700.5	1701.4	1701.4	1699.6	1698.3	1696.5	1694.7	1695.2
12.5°	1725.3	1727.6	1729.8	1736.4	1736.4	1740.0	1739.1	1735.6	1732.4	1729.8	1729.8
15°	1771.0	1770.6	1773.3	1779.9	1783.0	1788.8	1788.8	1783.9	1779.9	1777.3	1776.4
17.5°	1819.0	1820.3	1822.1	1830.0	1834.9	1841.6	1842.5	1838.5	1835.8	1832.3	1830.0
20°	1874.9	1877.1	1884.2	1887.3	1891.7	1897.9	1900.1	1899.3	1896.6	1894.8	1895.3
22.5°	1940.1	1945.8	1950.3	1954.7	1960.0	1964.5	1966.7	1969.8	1967.1	1965.8	1964.9
25°	2019.0	2023.0	2031.9	2039.9	2043.4	2044.8	2047.4	2051.9	2051.4	2048.3	2048.3
27.5°	2108.7	2116.2	2127.3	2138.8	2138.8	2134.4	2143.3	2150.8	2148.1	2144.2	2138.8
30°	2217.4	2224.5	2237.3	2253.3	2245.3	2242.2	2254.2	2267.9	2263.9	2257.3	2256.4
32.5°	2334.5	2341.1	2358.0	2375.3	2365.1	2360.7	2373.5	2393.5	2386.4	2373.1	2365.1
35°	2461.4	2468.0	2492.0	2512.8	2495.5	2488.0	2498.6	2520.4	2507.9	2483.1	2476.9
37.5°	2599.3	2602.9	2633.9	2655.2	2643.3	2623.3	2636.6	2652.6	2641.9	2611.8	2599.8
40°	2742.6	2755.5	2791.4	2816.3	2795.4	2763.9	2786.1	2808.3	2792.3	2753.7	2733.3
42.5°	2909.9	2919.7	2967.6	2989.7	2956.0	2911.7	2941.8	2972.0	2956.0	2918.8	2901.0
45°	3083.8	3098.9	3156.1	3178.3	3129.5	3073.2	3110.0	3162.8	3161.4	3107.8	3089.1
47.5°	3273.2	3288.3	3356.6	3385.9	3333.1	3257.7	3309.6	3384.2	3378.8	3319.8	3304.7
50°	3492.0	3507.9	3593.1	3629.9	3580.7	3492.8	3570.9	3636.6	3626.8	3554.1	3555.4
52.5°	3766.6	3765.7	3871.7	3935.6	3885.0	3807.4	3879.3	3943.1	3902.8	3802.1	3799.0
55°	4007.0	4021.7	4153.0	4274.1	4271.0	4241.3	4270.1	4272.8	4157.4	4023.4	4007.0
57.5°	4165.0	4192.9	4377.9	4597.1	4761.2	4800.7	4744.8	4575.3	4305.2	4090.9	4064.7
60°	4067.8	4110.4	4401.0	4847.7	5331.3	5563.4	5247.9	4722.2	4190.3	3891.7	3856.2
62.5°	3412.1	3484.0	3909.4	4726.6	5822.0	6500.3	5612.6	4486.6	3733.3	3322.0	3261.3
65°	2078.0	2153.9	2666.8	3890.4	5742.6	7242.1	5446.2	3724.0	2724.9	2213.4	2147.7
67.5°	692.5	714.7	1016.8	2150.4	4513.2	6507.0	4520.8	2229.3	1185.9	786.1	763.1
70°	271.1	273.3	322.5	623.3	2131.3	4469.3	2351.8	634.4	337.2	266.6	272.4
72.5°	199.2	200.1	213.8	260.4	555.4	1968.9	575.4	261.8	208.1	186.8	186.8
75°	160.2	160.2	169.9	189.9	248.9	451.6	252.4	187.7	162.8	149.1	147.3
77.5°	126.4	129.1	136.6	149.5	168.6	217.4	174.8	148.6	131.3	118.5	115.8
80°	94.1	96.7	109.1	115.3	121.1	150.8	129.1	116.2	103.8	88.7	86.1
82.5°	61.7	64.3	79.9	83.4	82.1	98.5	87.0	85.6	76.3	57.2	54.6
85°	40.4	41.3	53.2	55.5	51.0	44.8	55.5	58.6	53.2	37.3	35.9
87.5°	19.1	19.1	27.1	25.3	23.1	18.6	25.3	29.7	30.2	18.2	17.7
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)