

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: P316628

Luminaire Tested: **GAN-SA4A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316628
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-SA4A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 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: 15692 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

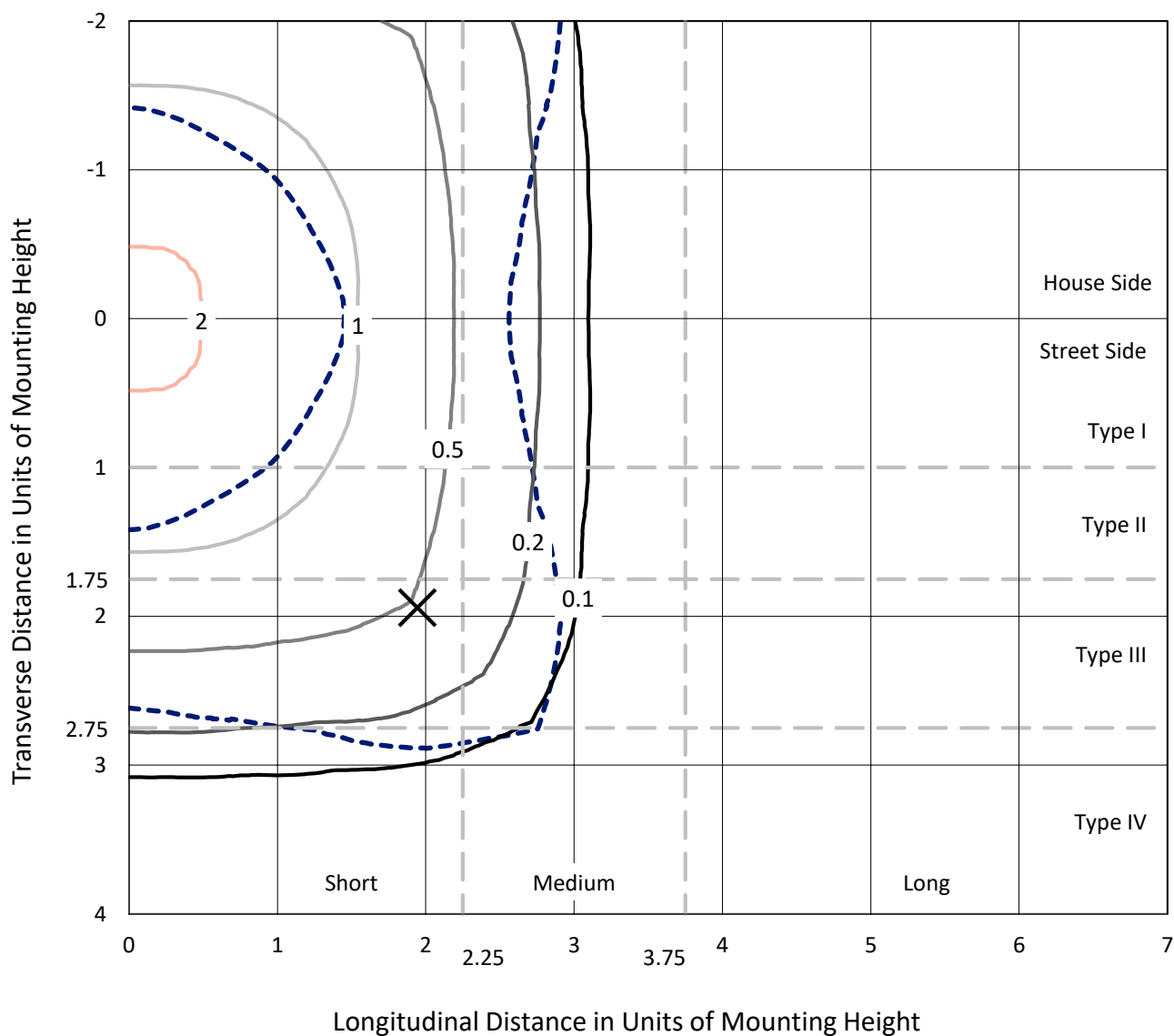
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316628
 CATALOG NUMBER: GAN-SA4A-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

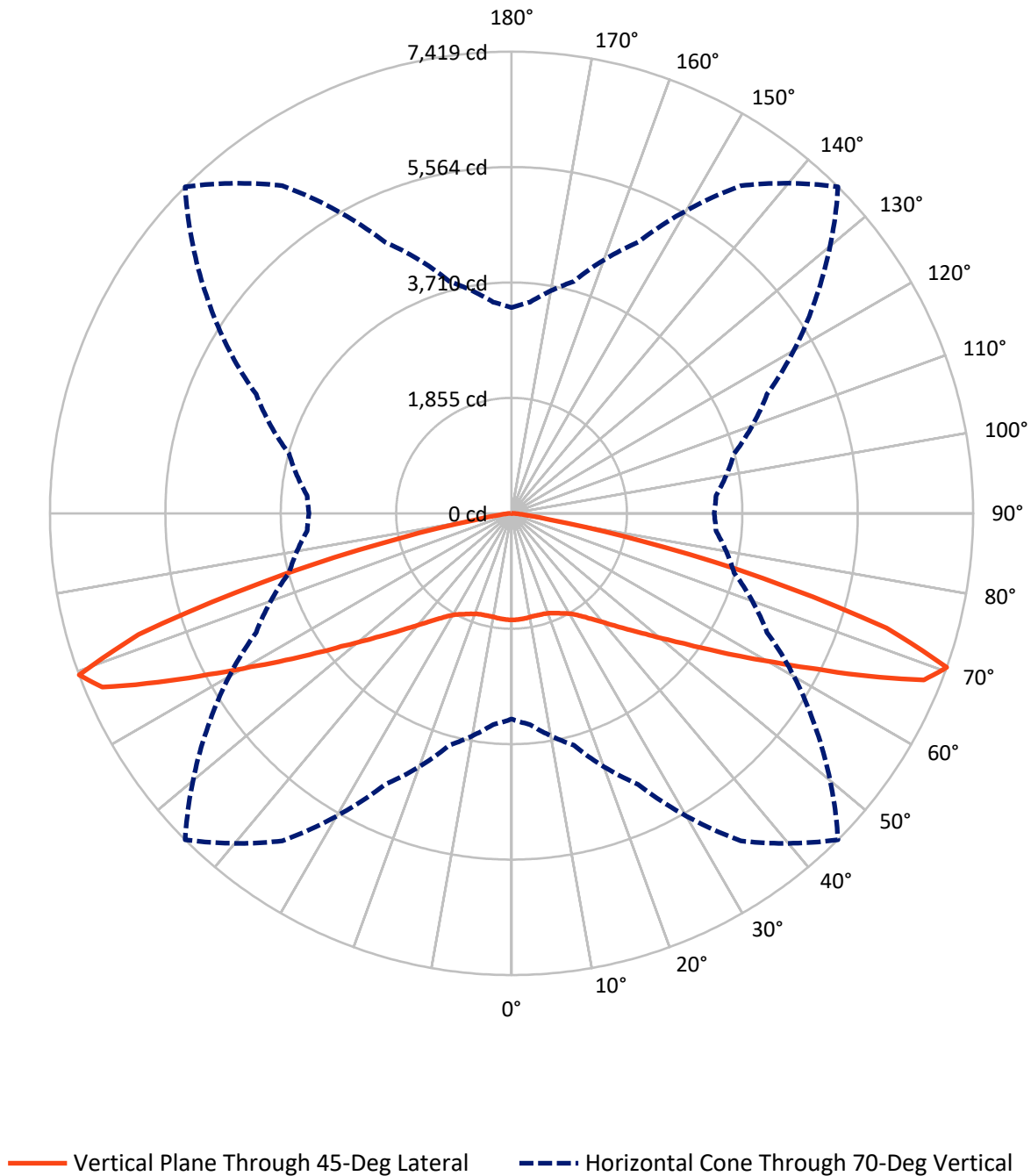
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P316628
CATALOG NUMBER: GAN-SA4A-830-U-5MQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7846.0	0.0	7846.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7846.0	0.0	7846.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15692.0	0.0	15692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.0
10°-20°	476.5	3.0
20°-30°	811.2	5.2
30°-40°	1286.5	8.2
40°-50°	2093.6	13.3
50°-60°	3452.0	22.0
60°-70°	5067.6	32.3
70°-80°	2240.9	14.3
80°-90°	101.5	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°	15692.0	100.0
0°-180°	15692.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316628

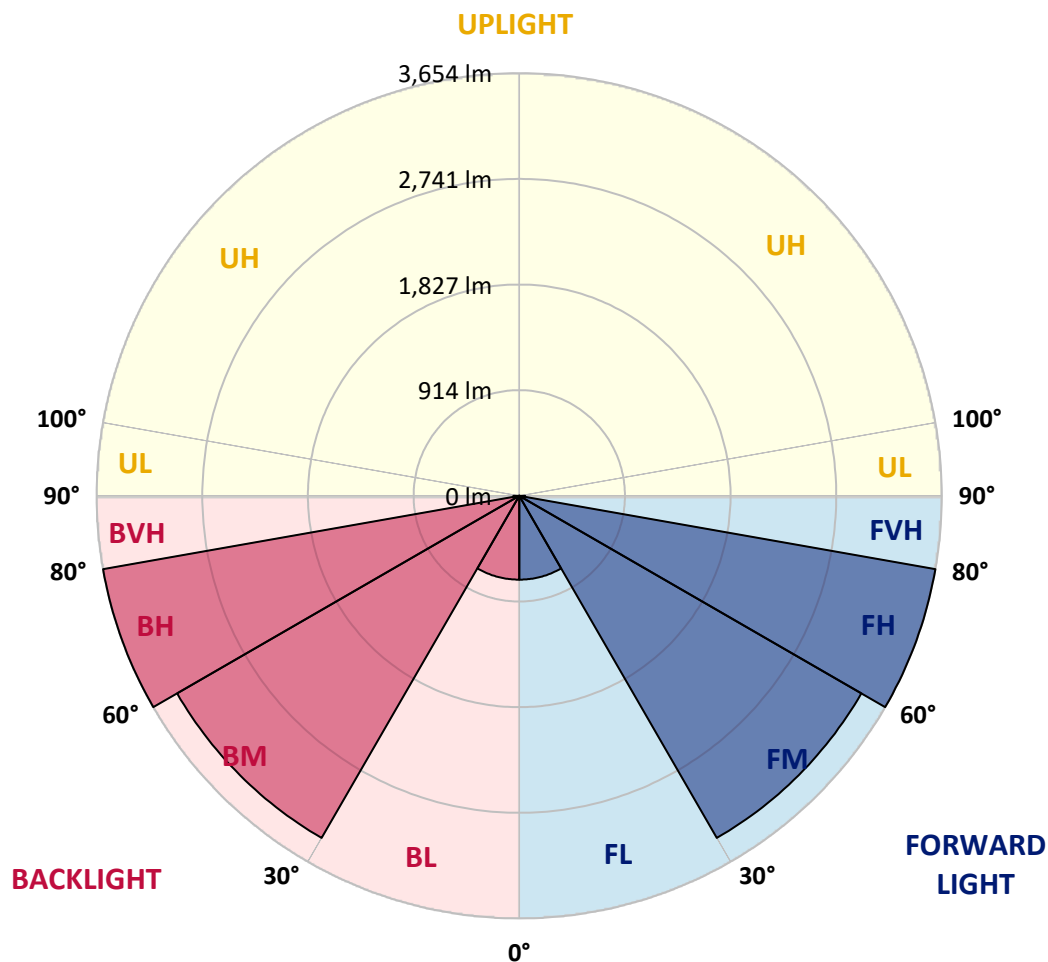
CATALOG NUMBER: GAN-SA4A-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	725.0	4.6			
FM	(30°-60°)	3416.0	21.8			
FH	(60°-80°)	3654.2	23.3			G2/5000
FVH	(80°-90°)	50.7	0.3			G1/100
BL	(0°-30°)	725.0	4.6	B2/1000		
BM	(30°-60°)	3416.0	21.8	B3/5000		
BH	(60°-80°)	3654.2	23.3	B4/5000		G2/5000
BVH	(80°-90°)	50.7	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°	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8	1713.8
2.5°	1711.2	1709.7	1713.3	1712.8	1709.7	1710.2	1710.2	1711.7	1711.7	1710.7	1710.7
5°	1705.0	1703.9	1708.1	1708.1	1705.0	1706.0	1707.1	1708.6	1708.1	1707.1	1706.5
7.5°	1697.2	1696.7	1700.8	1700.8	1698.7	1699.8	1698.7	1699.3	1698.2	1697.2	1695.6
10°	1684.2	1685.2	1688.9	1689.9	1689.9	1690.4	1689.4	1686.8	1685.2	1683.7	1682.1
12.5°	1672.3	1671.7	1676.9	1679.5	1683.7	1688.4	1685.2	1678.0	1674.9	1671.7	1670.7
15°	1664.5	1665.0	1670.2	1674.9	1682.1	1692.0	1688.4	1676.9	1670.7	1667.1	1666.0
17.5°	1662.9	1664.0	1670.7	1679.0	1686.8	1697.7	1695.6	1684.2	1673.8	1667.1	1665.5
20°	1666.6	1667.1	1677.5	1689.4	1702.9	1713.3	1708.6	1696.2	1682.1	1671.7	1669.1
22.5°	1673.3	1675.4	1688.4	1707.1	1727.8	1741.9	1736.1	1714.8	1693.0	1680.1	1676.4
25°	1694.6	1695.1	1712.8	1738.2	1763.1	1779.2	1772.5	1742.4	1714.3	1699.8	1695.1
27.5°	1738.7	1740.3	1758.0	1787.6	1808.8	1819.2	1815.1	1790.7	1766.8	1751.2	1752.8
30°	1802.6	1804.7	1824.4	1857.1	1870.1	1872.7	1871.7	1860.3	1838.5	1817.7	1819.2
32.5°	1880.5	1881.6	1908.0	1937.6	1948.0	1950.1	1948.0	1937.6	1911.7	1883.6	1885.2
35°	1980.7	1983.9	2009.3	2037.9	2046.2	2050.3	2046.7	2033.2	2006.2	1978.7	1977.6
37.5°	2104.4	2104.9	2131.4	2161.0	2171.3	2172.4	2168.2	2159.4	2125.6	2100.7	2099.2
40°	2247.7	2249.8	2280.9	2312.6	2316.8	2312.1	2317.8	2312.6	2277.8	2249.2	2253.9
42.5°	2422.2	2426.9	2464.3	2495.4	2483.5	2480.9	2484.5	2486.1	2458.0	2423.2	2420.1
45°	2625.2	2629.4	2676.1	2701.1	2693.3	2676.1	2683.4	2695.9	2656.9	2613.8	2618.0
47.5°	2856.9	2867.3	2917.1	2940.5	2921.3	2897.9	2911.9	2930.6	2884.9	2831.4	2828.8
50°	3114.5	3127.4	3193.9	3226.6	3207.4	3164.3	3187.7	3200.2	3134.2	3065.1	3059.4
52.5°	3389.2	3402.2	3485.8	3553.3	3540.8	3473.8	3506.6	3493.6	3417.8	3324.8	3317.5
55°	3700.3	3705.5	3795.8	3904.9	3917.4	3868.0	3865.9	3844.6	3732.5	3625.0	3619.8
57.5°	4020.2	4023.8	4140.7	4269.5	4328.2	4328.2	4270.0	4224.8	4075.8	3951.1	3938.1
60°	4365.5	4378.5	4507.8	4682.9	4820.0	4860.5	4757.6	4634.6	4472.5	4320.4	4305.3
62.5°	4673.0	4688.1	4885.9	5146.6	5366.8	5514.3	5263.0	5062.5	4767.5	4523.4	4494.9
65°	4711.9	4752.4	5040.7	5512.8	6005.6	6300.1	5818.1	5324.2	4786.7	4447.6	4418.5
67.5°	4303.2	4371.8	4761.3	5496.1	6514.6	7146.6	6172.8	5174.7	4441.9	4066.9	4034.7
70°	3306.6	3406.3	3855.6	4807.5	6426.8	7419.2	5950.6	4530.2	3703.4	3299.9	3254.7
72.5°	1814.0	1855.1	2259.1	3292.1	5152.3	6304.7	4963.3	3349.7	2455.9	1998.4	1922.6
75°	575.4	590.0	795.6	1347.2	2914.5	4176.0	3152.9	1644.2	905.2	667.3	659.6
77.5°	255.5	257.1	287.7	393.1	1003.9	2115.8	1205.9	447.7	308.5	269.5	278.4
80°	161.5	161.5	178.1	194.8	273.2	614.4	326.1	212.9	181.8	168.8	172.4
82.5°	77.4	85.7	115.8	124.6	150.1	206.7	167.2	139.2	121.5	90.4	84.1
85°	50.9	42.6	73.2	82.6	87.2	99.2	97.1	91.9	79.5	45.2	50.4
87.5°	22.9	21.8	37.9	34.8	32.7	24.9	37.4	46.2	44.7	22.3	22.3
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)