

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: P316947

Luminaire Tested: **GAN-SA3A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316947
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-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 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: 11662 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

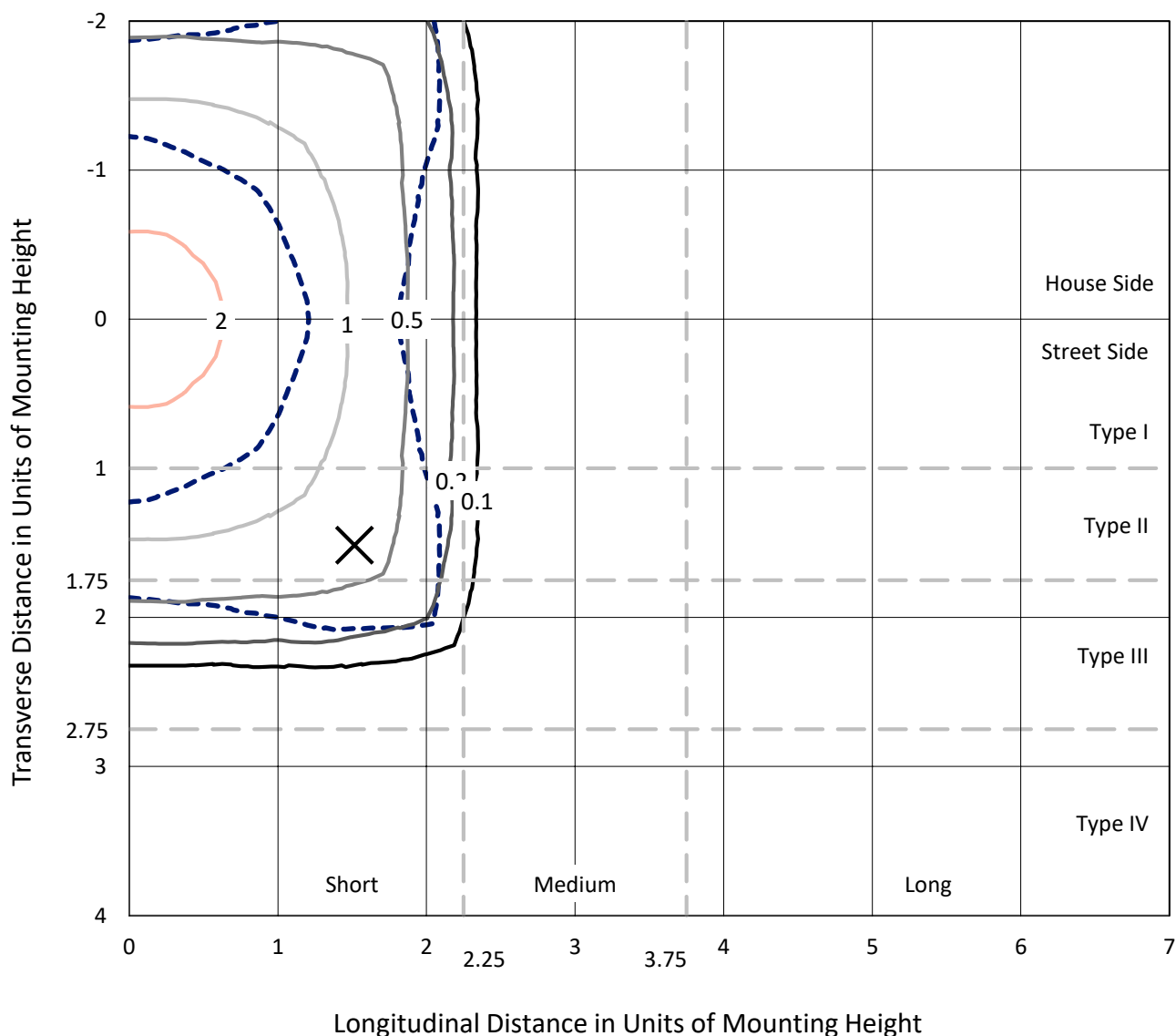
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

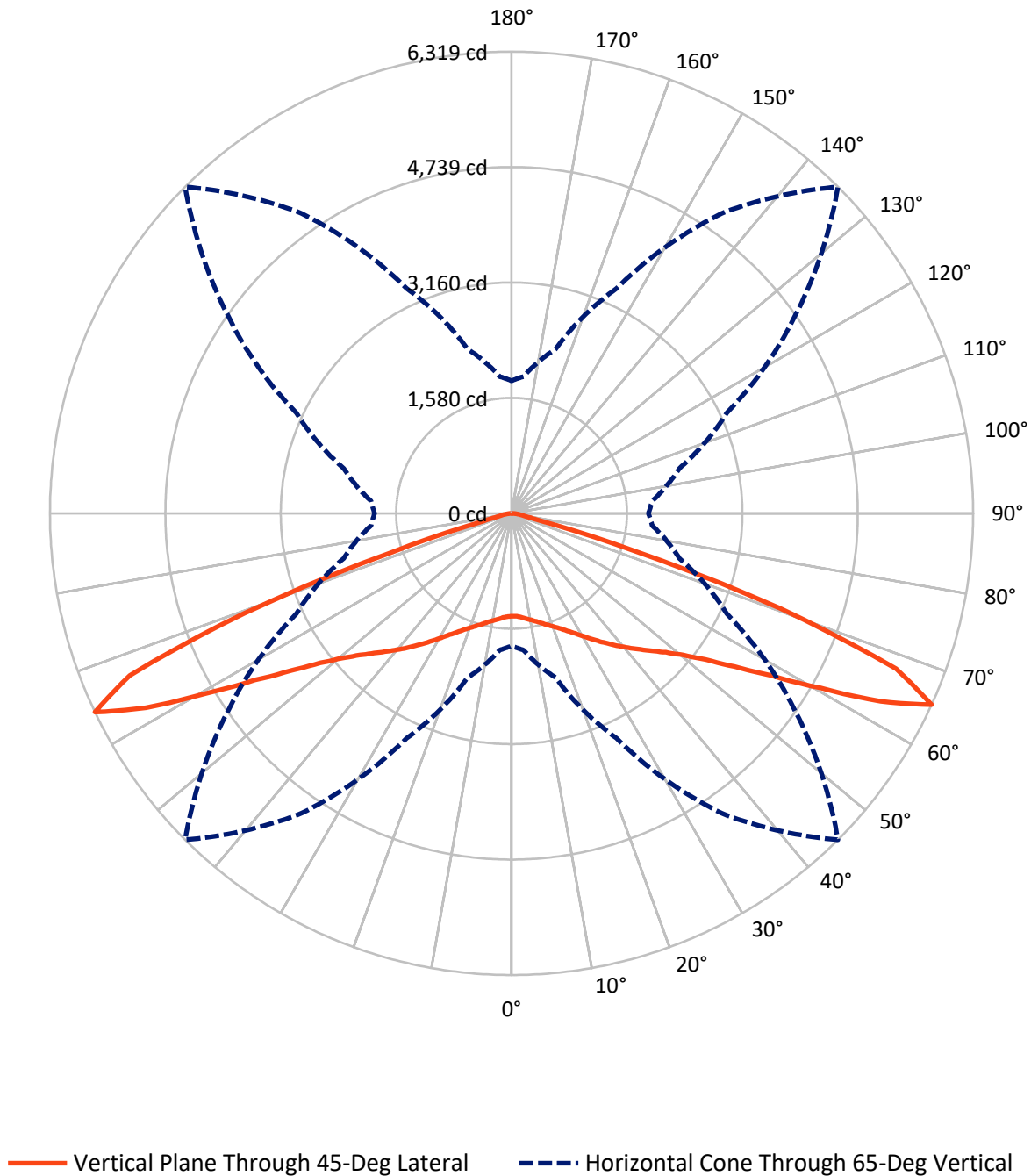
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5831.0	0.0	5831.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5831.0	0.0	5831.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11662.0	0.0	11662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	1.2
10°-20°	444.1	3.8
20°-30°	833.3	7.1
30°-40°	1378.1	11.8
40°-50°	2134.5	18.3
50°-60°	3273.7	28.1
60°-70°	3054.7	26.2
70°-80°	355.5	3.0
80°-90°	50.0	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°	11662.0	100.0
0°-180°	11662.0	100.0

Coefficient of Utilization



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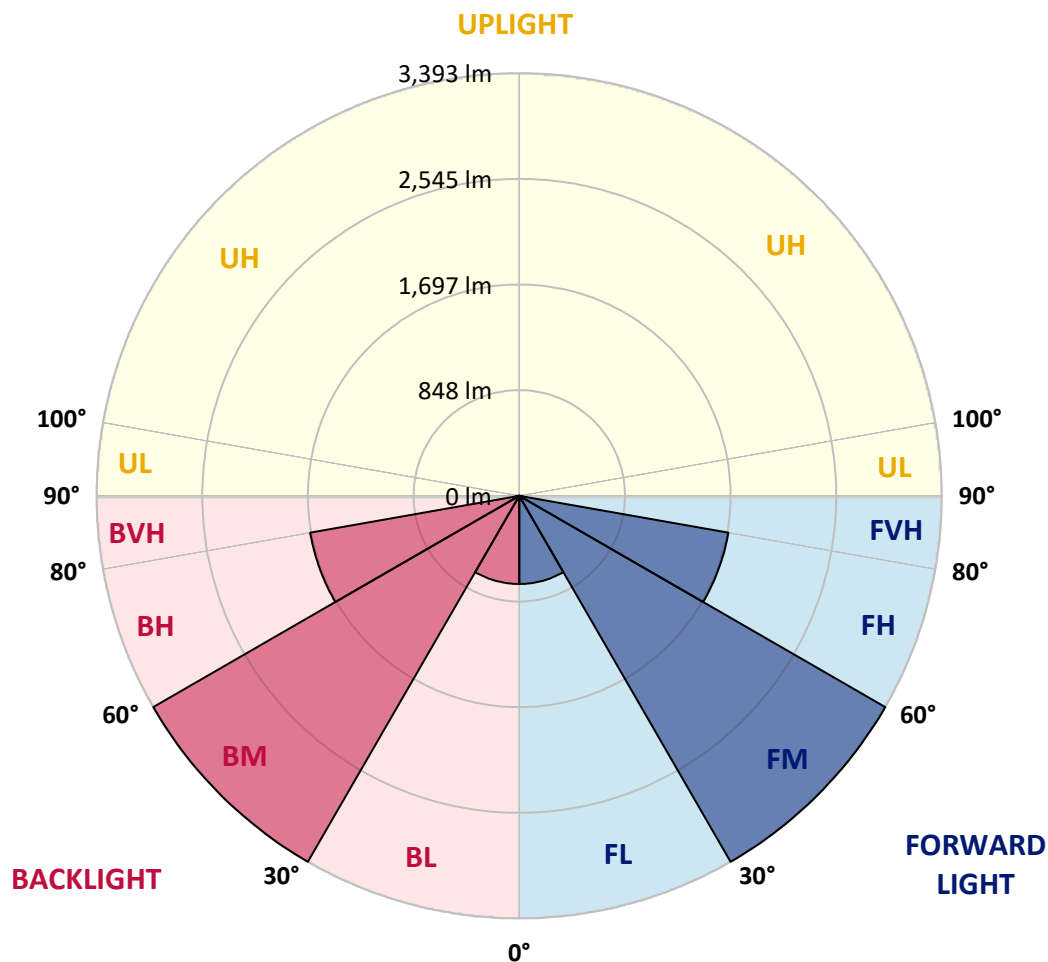
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	707.8	6.1			
FM	(30°-60°)	3393.1	29.1			
FH	(60°-80°)	1705.1	14.6			G1/1800
FVH	(80°-90°)	25.0	0.2			G1/100
BL	(0°-30°)	707.8	6.1	B2/1000		
BM	(30°-60°)	3393.1	29.1	B3/5000		
BH	(60°-80°)	1705.1	14.6	B3/2500		G1/1800
BVH	(80°-90°)	25.0	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3	1408.3
2.5°	1413.0	1412.2	1413.0	1413.4	1411.0	1412.2	1411.8	1413.8	1414.5	1413.8	1413.8
5°	1429.2	1428.1	1429.6	1431.6	1428.5	1429.2	1428.1	1430.4	1431.2	1429.6	1430.8
7.5°	1451.7	1452.1	1453.6	1457.1	1455.2	1456.7	1454.4	1454.8	1454.4	1452.1	1452.5
10°	1476.1	1476.5	1479.2	1483.8	1484.6	1484.6	1483.0	1481.9	1480.3	1478.8	1479.2
12.5°	1505.5	1507.4	1509.4	1515.2	1515.2	1518.3	1517.5	1514.4	1511.7	1509.4	1509.4
15°	1545.4	1545.0	1547.3	1553.1	1555.8	1560.9	1560.9	1556.6	1553.1	1550.8	1550.0
17.5°	1587.2	1588.3	1589.9	1596.9	1601.1	1606.9	1607.7	1604.2	1601.9	1598.8	1596.9
20°	1636.0	1637.9	1644.1	1646.8	1650.7	1656.1	1658.0	1657.3	1654.9	1653.4	1653.8
22.5°	1692.9	1697.9	1701.8	1705.6	1710.3	1714.2	1716.1	1718.8	1716.5	1715.3	1714.5
25°	1761.8	1765.3	1773.0	1780.0	1783.1	1784.2	1786.5	1790.4	1790.0	1787.3	1787.3
27.5°	1840.0	1846.6	1856.2	1866.3	1866.3	1862.4	1870.2	1876.7	1874.4	1870.9	1866.3
30°	1934.8	1941.0	1952.2	1966.2	1959.2	1956.5	1966.9	1978.9	1975.5	1969.7	1968.9
32.5°	2037.0	2042.8	2057.5	2072.6	2063.7	2059.9	2071.1	2088.5	2082.3	2070.7	2063.7
35°	2147.7	2153.5	2174.4	2192.6	2177.5	2171.0	2180.2	2199.2	2188.4	2166.7	2161.3
37.5°	2268.1	2271.2	2298.3	2316.9	2306.4	2289.0	2300.6	2314.6	2305.3	2279.0	2268.5
40°	2393.2	2404.4	2435.7	2457.4	2439.2	2411.7	2431.1	2450.5	2436.5	2402.8	2385.0
42.5°	2539.1	2547.6	2589.4	2608.8	2579.4	2540.7	2567.0	2593.3	2579.4	2546.8	2531.4
45°	2690.9	2704.0	2754.0	2773.3	2730.7	2681.6	2713.7	2759.8	2758.6	2711.8	2695.5
47.5°	2856.2	2869.3	2928.9	2954.5	2908.4	2842.6	2887.9	2952.9	2948.3	2896.8	2883.6
50°	3047.0	3060.9	3135.3	3167.4	3124.4	3047.8	3115.9	3173.2	3164.7	3101.2	3102.4
52.5°	3286.6	3285.9	3378.4	3434.1	3390.0	3322.2	3385.0	3440.7	3405.5	3317.6	3314.9
55°	3496.4	3509.2	3623.8	3729.5	3726.8	3700.8	3726.0	3728.3	3627.7	3510.8	3496.4
57.5°	3634.3	3658.6	3820.1	4011.3	4154.5	4189.0	4140.2	3992.3	3756.6	3569.6	3546.8
60°	3549.5	3586.6	3840.2	4230.0	4652.0	4854.5	4579.2	4120.5	3656.3	3395.8	3364.8
62.5°	2977.3	3040.0	3411.3	4124.4	5080.1	5672.0	4897.4	3914.9	3257.6	2898.7	2845.7
65°	1813.3	1879.5	2327.0	3394.6	5010.9	6319.3	4752.3	3249.5	2377.7	1931.3	1874.0
67.5°	604.3	623.6	887.3	1876.4	3938.1	5677.9	3944.7	1945.3	1034.8	686.0	665.8
70°	236.5	238.5	281.4	543.9	1859.7	3899.8	2052.1	553.6	294.2	232.7	237.7
72.5°	173.8	174.6	186.6	227.2	484.7	1718.0	502.1	228.4	181.6	163.0	163.0
75°	139.7	139.7	148.3	165.7	217.2	394.1	220.3	163.8	142.1	130.1	128.5
77.5°	110.3	112.7	119.2	130.5	147.1	189.7	152.5	129.7	114.6	103.4	101.0
80°	82.1	84.4	95.2	100.7	105.7	131.6	112.7	101.4	90.6	77.4	75.1
82.5°	53.8	56.1	69.7	72.8	71.6	85.9	75.9	74.7	66.6	49.9	47.6
85°	35.2	36.0	46.5	48.4	44.5	39.1	48.4	51.1	46.5	32.5	31.4
87.5°	16.6	16.6	23.6	22.1	20.1	16.3	22.1	25.9	26.3	15.9	15.5
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)