

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: P316266

Luminaire Tested: **GAN-SA2A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7383 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

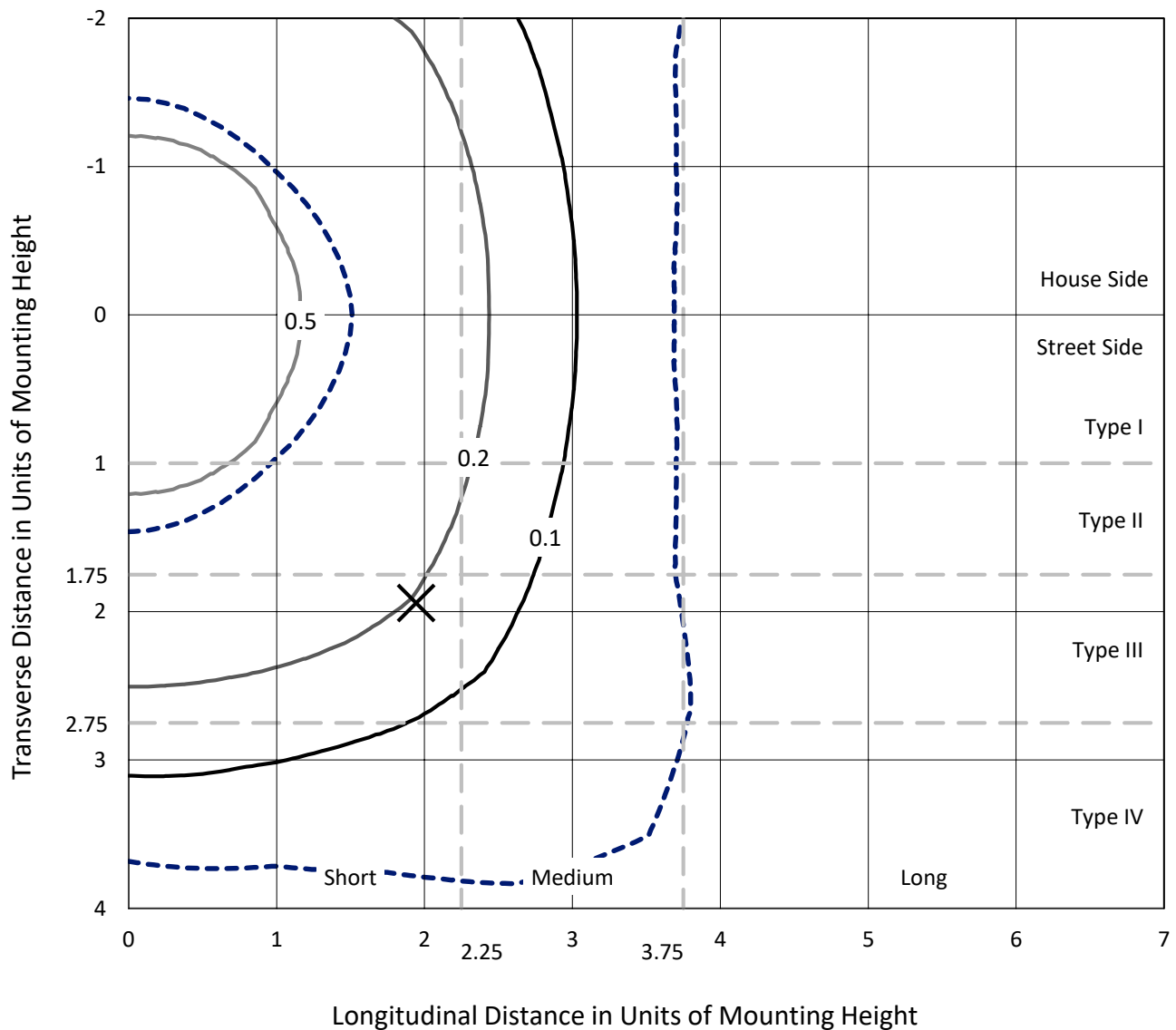
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

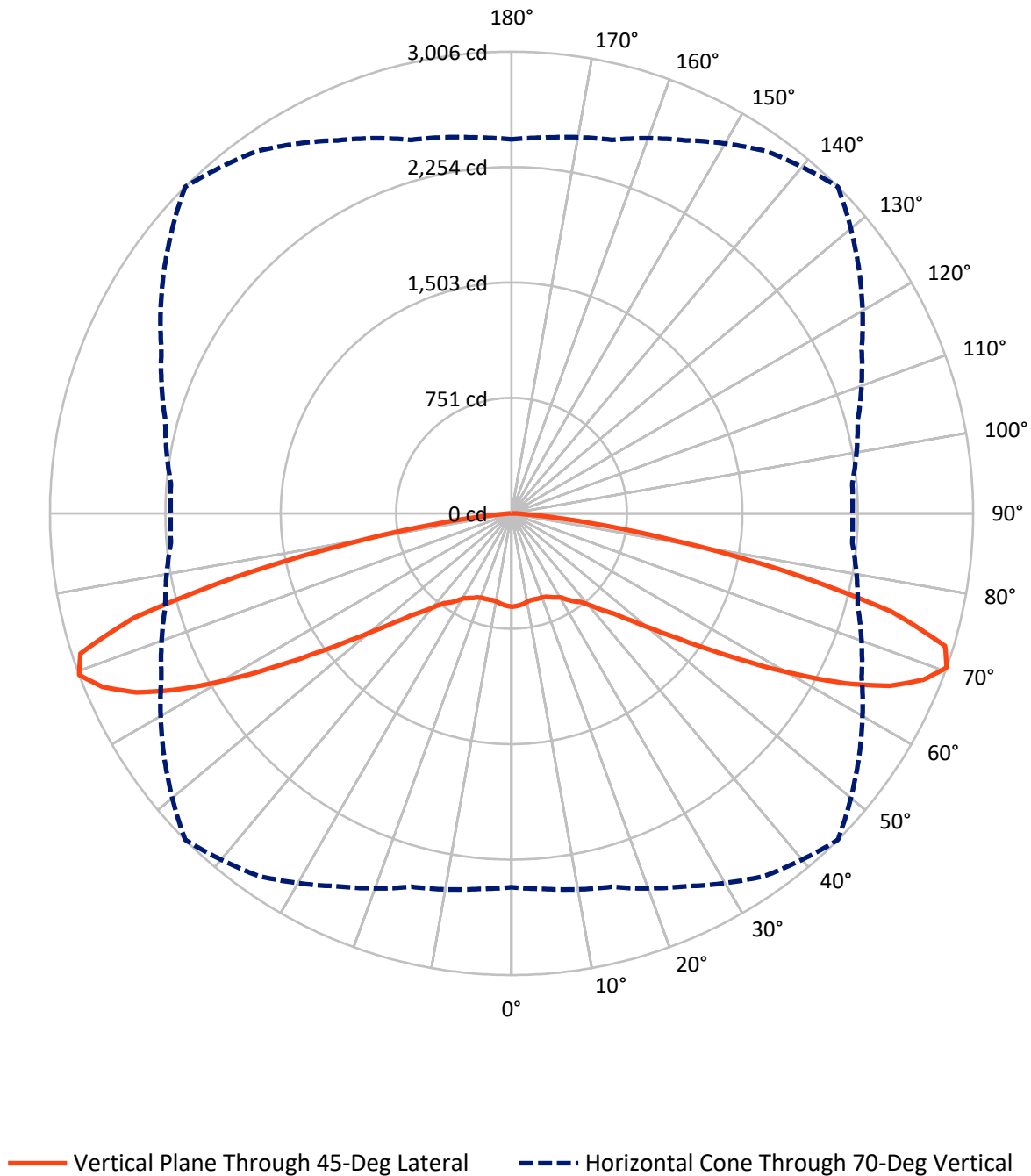
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	3691.5	0.0	3691.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3691.5	0.0	3691.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7383.0	0.0	7383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	0.8
10°-20°	165.7	2.2
20°-30°	282.4	3.8
30°-40°	441.3	6.0
40°-50°	747.9	10.1
50°-60°	1363.9	18.5
60°-70°	2348.1	31.8
70°-80°	1840.5	24.9
80°-90°	136.5	1.8
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°	7383.0	100.0
0°-180°	7383.0	100.0

Coefficient of Utilization



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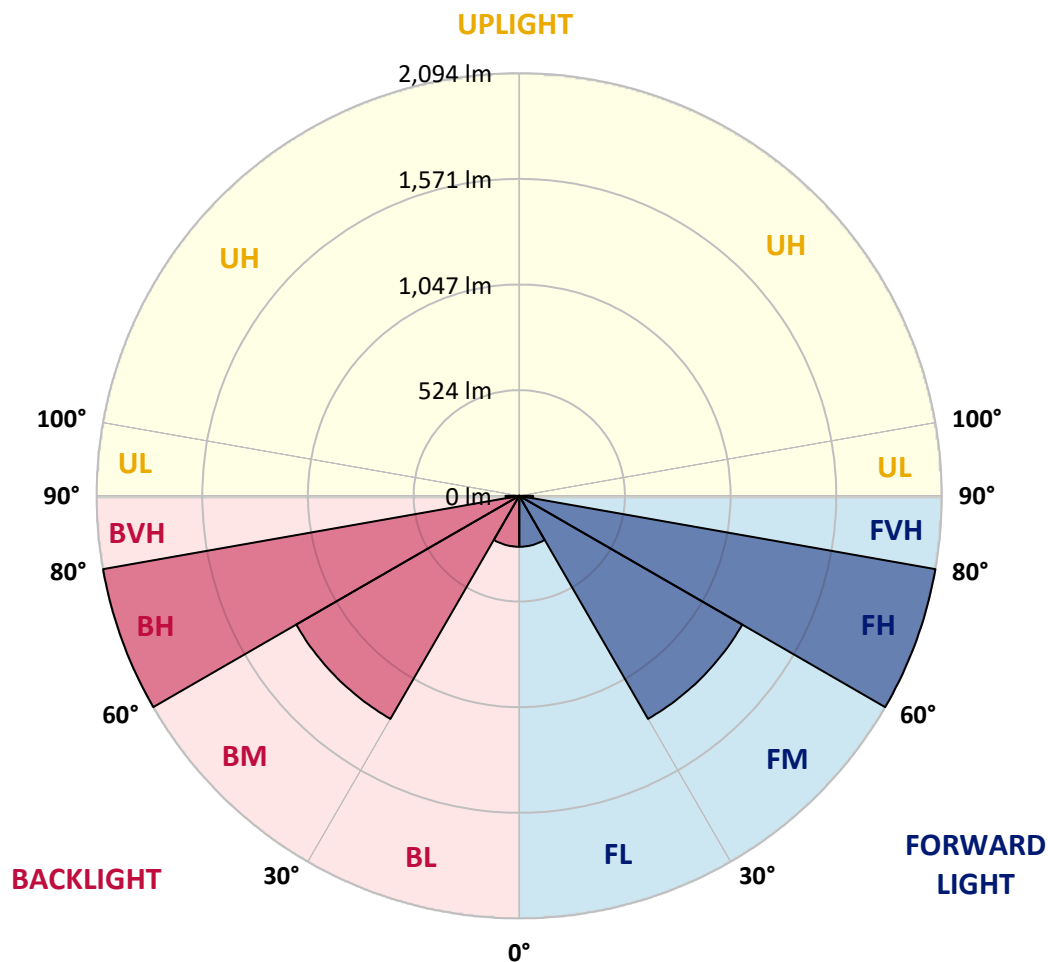
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.4	3.4			
FM	(30°-60°)	1276.6	17.3			
FH	(60°-80°)	2094.3	28.4			G2/5000
FVH	(80°-90°)	68.2	0.9			G1/100
BL	(0°-30°)	252.4	3.4	B1/500		
BM	(30°-60°)	1276.6	17.3	B2/2500		
BH	(60°-80°)	2094.3	28.4	B3/2500		G2/5000
BVH	(80°-90°)	68.2	0.9			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°	607.6	607.6	607.6	607.6	607.6	607.6	607.6	607.6	607.6	607.6	607.6
2.5°	604.9	605.7	604.9	605.4	604.2	604.7	604.7	604.7	604.4	604.7	604.2
5°	599.6	600.1	599.1	599.6	598.8	599.6	599.8	599.6	599.1	599.3	598.3
7.5°	591.5	592.0	591.3	592.0	591.0	592.2	592.0	591.3	590.5	590.5	589.5
10°	587.1	587.4	585.4	584.7	582.5	583.0	583.7	584.4	585.2	586.6	586.4
12.5°	587.4	587.4	584.4	581.2	578.1	578.8	580.0	582.7	585.6	588.3	588.6
15°	589.8	589.5	585.2	580.0	577.8	580.0	580.8	582.5	587.1	591.7	592.0
17.5°	591.5	591.5	584.7	578.8	578.6	582.0	581.7	582.5	587.6	594.4	594.7
20°	594.7	594.7	585.9	579.5	579.5	583.2	583.4	584.7	589.8	597.4	598.6
22.5°	601.8	602.0	592.7	587.6	588.1	590.3	591.0	593.0	597.6	605.9	607.4
25°	611.8	612.3	602.7	599.8	601.5	605.7	605.2	606.6	611.8	619.8	621.3
27.5°	625.7	624.5	615.7	614.5	616.2	619.1	618.9	619.1	623.3	630.6	632.3
30°	643.8	643.3	636.9	637.7	636.9	636.0	636.2	638.1	640.3	646.2	647.9
32.5°	661.4	661.8	657.9	661.6	667.0	670.6	665.0	659.6	657.2	660.4	661.8
35°	693.1	694.3	688.2	685.8	693.1	703.8	688.0	679.2	684.1	688.2	689.4
37.5°	747.1	747.8	737.5	727.8	722.4	732.7	716.8	717.5	734.6	742.4	742.2
40°	808.6	808.9	802.0	793.5	784.2	786.6	780.3	782.2	793.5	800.6	802.5
42.5°	881.9	881.1	870.4	858.2	855.5	857.9	847.2	845.7	858.7	871.4	871.6
45°	976.9	975.2	961.3	947.8	934.9	929.5	926.8	933.9	951.7	963.5	963.7
47.5°	1079.2	1074.6	1067.2	1056.5	1045.3	1039.9	1035.5	1038.9	1051.9	1056.5	1057.0
50°	1184.5	1185.4	1186.9	1182.8	1178.6	1176.9	1165.4	1158.8	1162.7	1154.2	1153.0
52.5°	1309.3	1311.2	1325.4	1337.4	1344.4	1348.1	1326.4	1303.7	1291.0	1274.3	1269.5
55°	1456.5	1459.7	1480.5	1513.7	1547.9	1565.9	1526.6	1484.1	1444.8	1413.8	1403.8
57.5°	1620.7	1626.3	1654.8	1718.6	1788.7	1831.4	1765.0	1687.8	1611.9	1567.2	1559.4
60°	1813.1	1818.5	1858.0	1949.4	2062.9	2127.2	2026.5	1900.3	1805.8	1763.0	1748.6
62.5°	2042.2	2042.7	2091.3	2198.0	2347.9	2437.3	2301.1	2132.3	2034.8	1983.3	1969.4
65°	2288.6	2289.8	2340.1	2455.4	2610.5	2707.7	2553.8	2378.0	2258.8	2182.8	2172.1
67.5°	2462.7	2467.9	2520.8	2659.6	2804.6	2892.3	2733.1	2534.3	2396.5	2305.9	2296.9
70°	2434.9	2454.9	2517.2	2679.1	2880.8	3005.9	2762.1	2515.7	2334.0	2227.1	2219.5
72.5°	2123.5	2161.8	2244.9	2457.4	2780.0	2952.1	2603.6	2253.2	2047.5	1956.5	1942.8
75°	1446.0	1508.3	1633.6	1940.1	2375.0	2556.0	2191.9	1796.5	1603.1	1477.0	1467.8
77.5°	644.7	658.9	817.7	1170.6	1639.0	1835.6	1592.6	1175.2	882.1	703.6	666.0
80°	179.7	181.9	242.8	435.9	820.3	1078.5	880.7	457.9	257.4	181.5	171.0
82.5°	57.1	62.0	75.7	113.1	275.7	492.1	283.1	122.1	86.9	69.4	62.5
85°	27.8	27.6	38.3	45.9	70.3	108.9	75.0	56.7	49.6	33.0	29.8
87.5°	11.7	12.0	17.8	16.1	20.5	17.6	24.2	25.4	26.6	14.7	12.7
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)