

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: P316786

Luminaire Tested: **GAN-SA2A-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316786  
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-SA2A-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 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: 9835 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

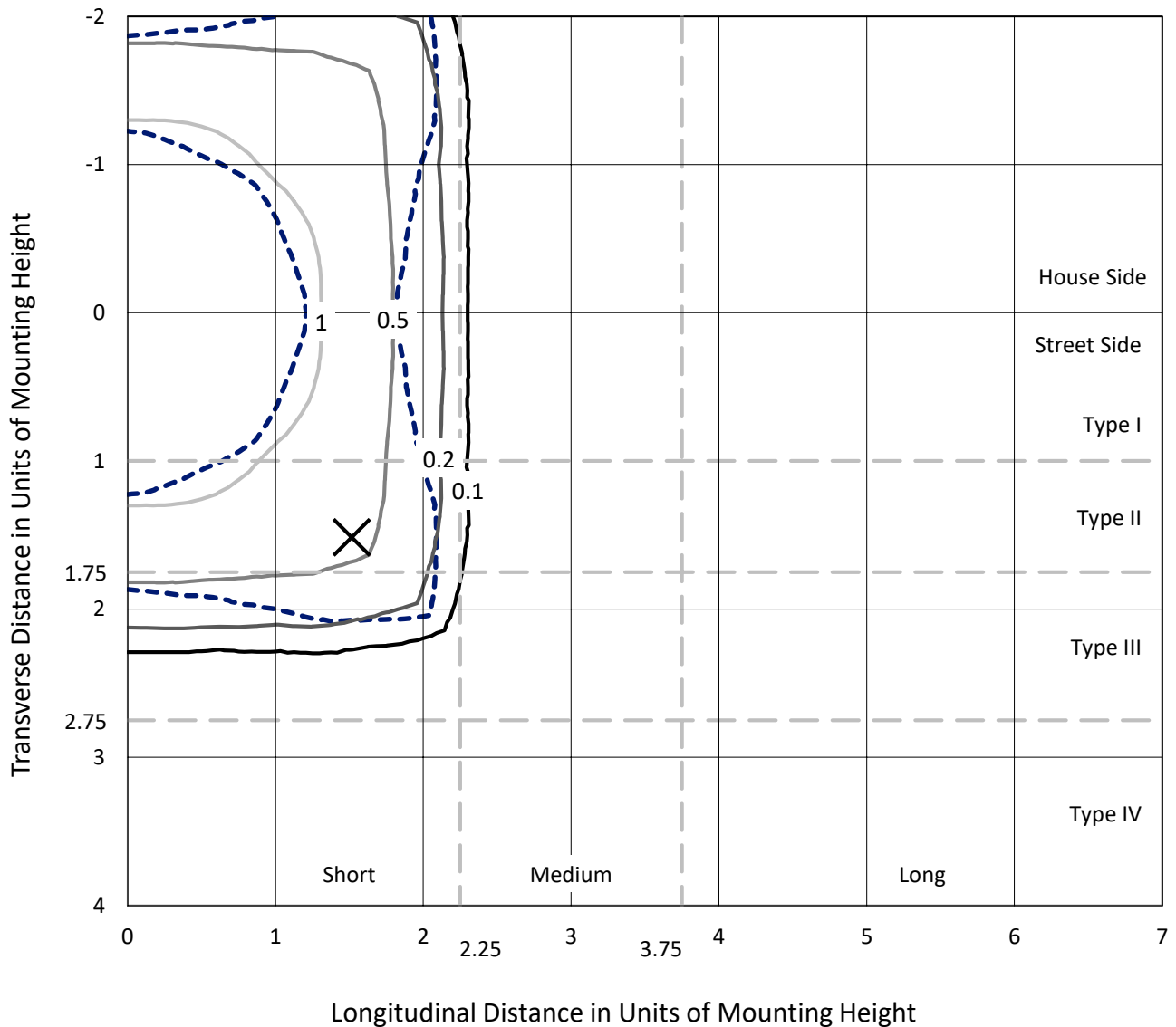
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

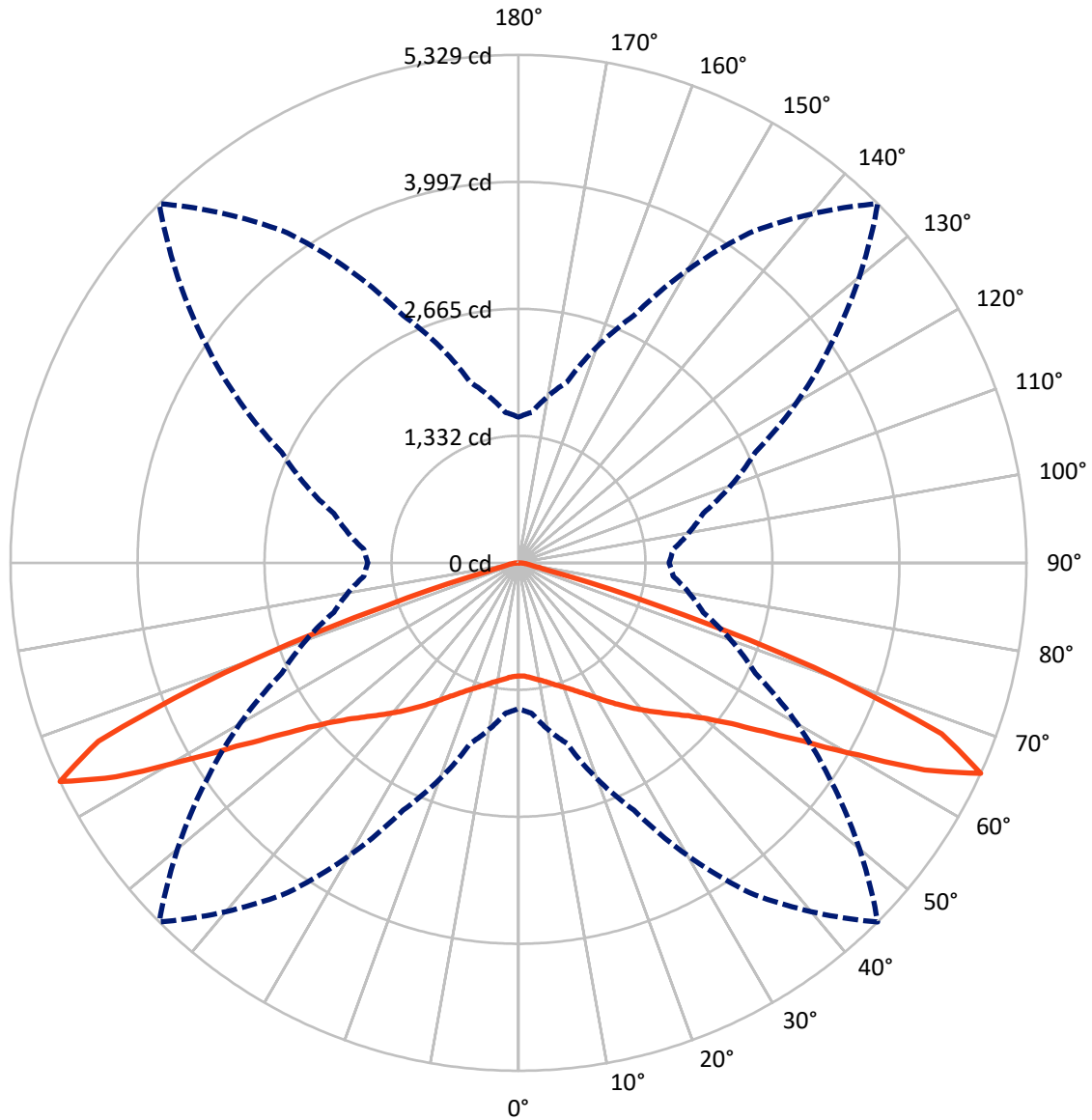
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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
<b>House Side</b>	Lumens	4917.5	0.0	4917.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4917.5	0.0	4917.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9835.0	0.0	9835.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.5	1.2
10°-20°	374.6	3.8
20°-30°	702.7	7.1
30°-40°	1162.2	11.8
40°-50°	1800.1	18.3
50°-60°	2760.8	28.1
60°-70°	2576.2	26.2
70°-80°	299.8	3.0
80°-90°	42.1	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°	9835.0	100.0
0°-180°	9835.0	100.0

**Coefficient of Utilization**



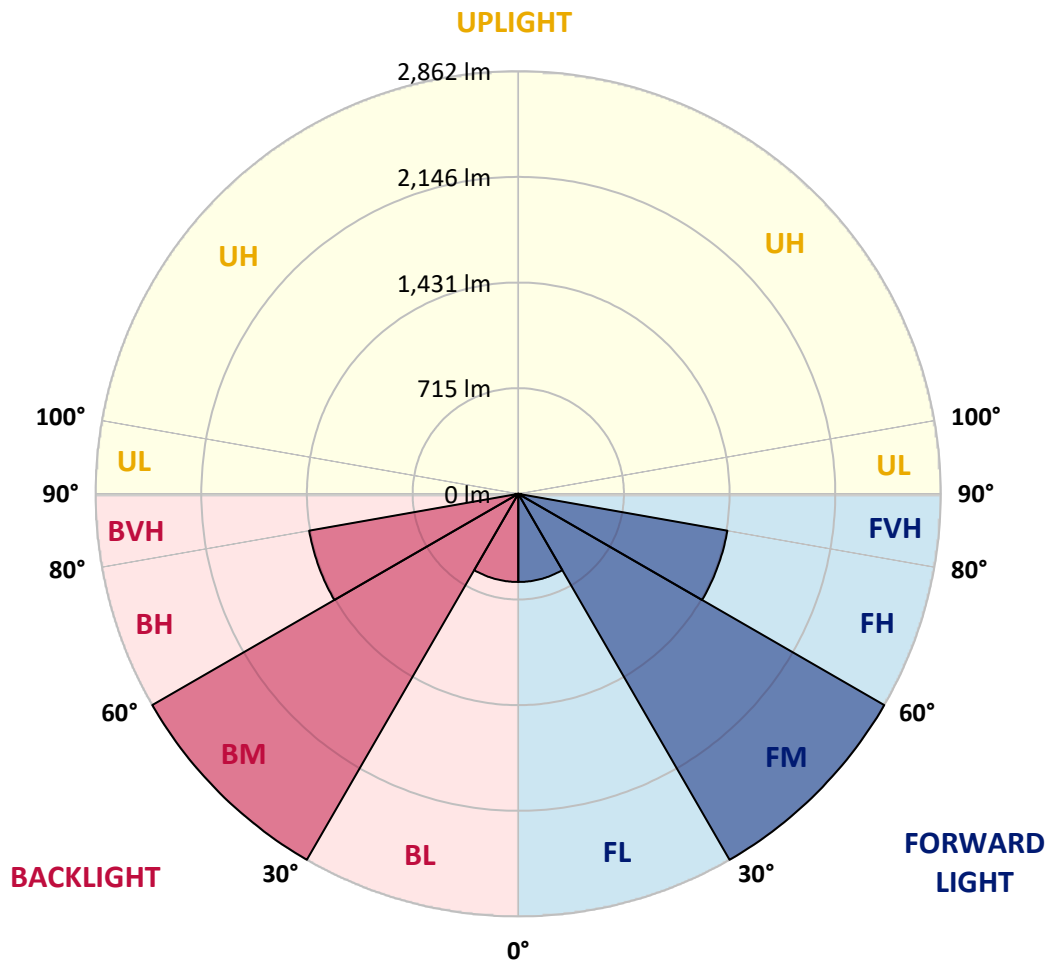
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.9	6.1			
FM (30°-60°)	2861.5	29.1			
FH (60°-80°)	1438.0	14.6			G1/1800
FVH (80°-90°)	21.1	0.2			G1/100
BL (0°-30°)	596.9	6.1	B2/1000		
BM (30°-60°)	2861.5	29.1	B3/5000		
BH (60°-80°)	1438.0	14.6	B3/2500		G1/1800
BVH (80°-90°)	21.1	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1191.6	1191.0	1191.6	1191.9	1190.0	1191.0	1190.6	1192.3	1192.9	1192.3	1192.3
5°	1205.3	1204.4	1205.7	1207.3	1204.7	1205.3	1204.4	1206.3	1207.0	1205.7	1206.6
7.5°	1224.3	1224.6	1225.9	1228.8	1227.2	1228.5	1226.6	1226.9	1226.6	1224.6	1224.9
10°	1244.8	1245.2	1247.4	1251.4	1252.0	1252.0	1250.7	1249.7	1248.4	1247.1	1247.4
12.5°	1269.6	1271.3	1272.9	1277.8	1277.8	1280.4	1279.8	1277.2	1274.9	1272.9	1272.9
15°	1303.3	1302.9	1304.9	1309.8	1312.1	1316.3	1316.3	1312.7	1309.8	1307.8	1307.2
17.5°	1338.5	1339.5	1340.8	1346.7	1350.3	1355.2	1355.8	1352.9	1350.9	1348.3	1346.7
20°	1379.7	1381.3	1386.5	1388.8	1392.1	1396.6	1398.3	1397.6	1395.7	1394.4	1394.7
22.5°	1427.7	1431.9	1435.2	1438.4	1442.3	1445.6	1447.2	1449.5	1447.6	1446.6	1445.9
25°	1485.8	1488.7	1495.2	1501.1	1503.7	1504.7	1506.7	1509.9	1509.6	1507.3	1507.3
27.5°	1551.7	1557.3	1565.4	1573.9	1573.9	1570.7	1577.2	1582.7	1580.8	1577.8	1573.9
30°	1631.7	1636.9	1646.4	1658.1	1652.3	1650.0	1658.8	1668.9	1666.0	1661.1	1660.4
32.5°	1717.9	1722.8	1735.2	1747.9	1740.4	1737.2	1746.6	1761.3	1756.1	1746.3	1740.4
35°	1811.3	1816.2	1833.8	1849.1	1836.4	1830.8	1838.7	1854.7	1845.5	1827.3	1822.7
37.5°	1912.8	1915.4	1938.3	1953.9	1945.1	1930.4	1940.2	1952.0	1944.1	1921.9	1913.1
40°	2018.2	2027.7	2054.2	2072.4	2057.1	2033.9	2050.2	2066.6	2054.8	2026.4	2011.4
42.5°	2141.3	2148.5	2183.8	2200.1	2175.3	2142.6	2164.8	2187.0	2175.3	2147.9	2134.8
45°	2269.3	2280.4	2322.5	2338.8	2302.9	2261.5	2288.6	2327.4	2326.4	2286.9	2273.2
47.5°	2408.7	2419.8	2470.1	2491.6	2452.8	2397.3	2435.5	2490.3	2486.4	2443.0	2431.9
50°	2569.7	2581.4	2644.1	2671.2	2634.9	2570.3	2627.8	2676.1	2668.9	2615.4	2616.3
52.5°	2771.7	2771.1	2849.1	2896.1	2858.9	2801.8	2854.7	2901.7	2872.0	2797.9	2795.6
55°	2948.7	2959.5	3056.1	3145.2	3142.9	3121.1	3142.3	3144.2	3059.4	2960.8	2948.7
57.5°	3064.9	3085.5	3221.6	3382.9	3503.7	3532.7	3491.6	3366.9	3168.1	3010.4	2991.1
60°	2993.4	3024.8	3238.6	3567.3	3923.2	4093.9	3861.8	3475.0	3083.5	2863.8	2837.7
62.5°	2510.9	2563.8	2876.9	3478.2	4284.3	4783.5	4130.2	3301.6	2747.3	2444.6	2399.9
65°	1529.2	1585.0	1962.4	2862.8	4225.8	5329.3	4007.8	2740.4	2005.2	1628.8	1580.4
67.5°	509.6	525.9	748.3	1582.4	3321.2	4788.3	3326.7	1640.5	872.7	578.5	561.5
70°	199.5	201.1	237.3	458.7	1568.4	3288.9	1730.6	466.9	248.1	196.2	200.5
72.5°	146.6	147.2	157.4	191.6	408.7	1448.9	423.4	192.6	153.1	137.4	137.4
75°	117.9	117.9	125.0	139.7	183.2	332.3	185.8	138.1	119.8	109.7	108.4
77.5°	93.0	95.0	100.6	110.0	124.1	160.0	128.6	109.4	96.6	87.2	85.2
80°	69.2	71.2	80.3	84.9	89.1	111.0	95.0	85.5	76.4	65.3	63.3
82.5°	45.4	47.3	58.8	61.4	60.4	72.5	64.0	63.0	56.2	42.1	40.2
85°	29.7	30.4	39.2	40.8	37.5	33.0	40.8	43.1	39.2	27.4	26.4
87.5°	14.0	14.0	19.9	18.6	17.0	13.7	18.6	21.9	22.2	13.4	13.1
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)