

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: P316465

Luminaire Tested: **GAN-SA1A-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316465  
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-SA1A-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5126 lumens  
Efficiency: N/A  
Efficacy: 150.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

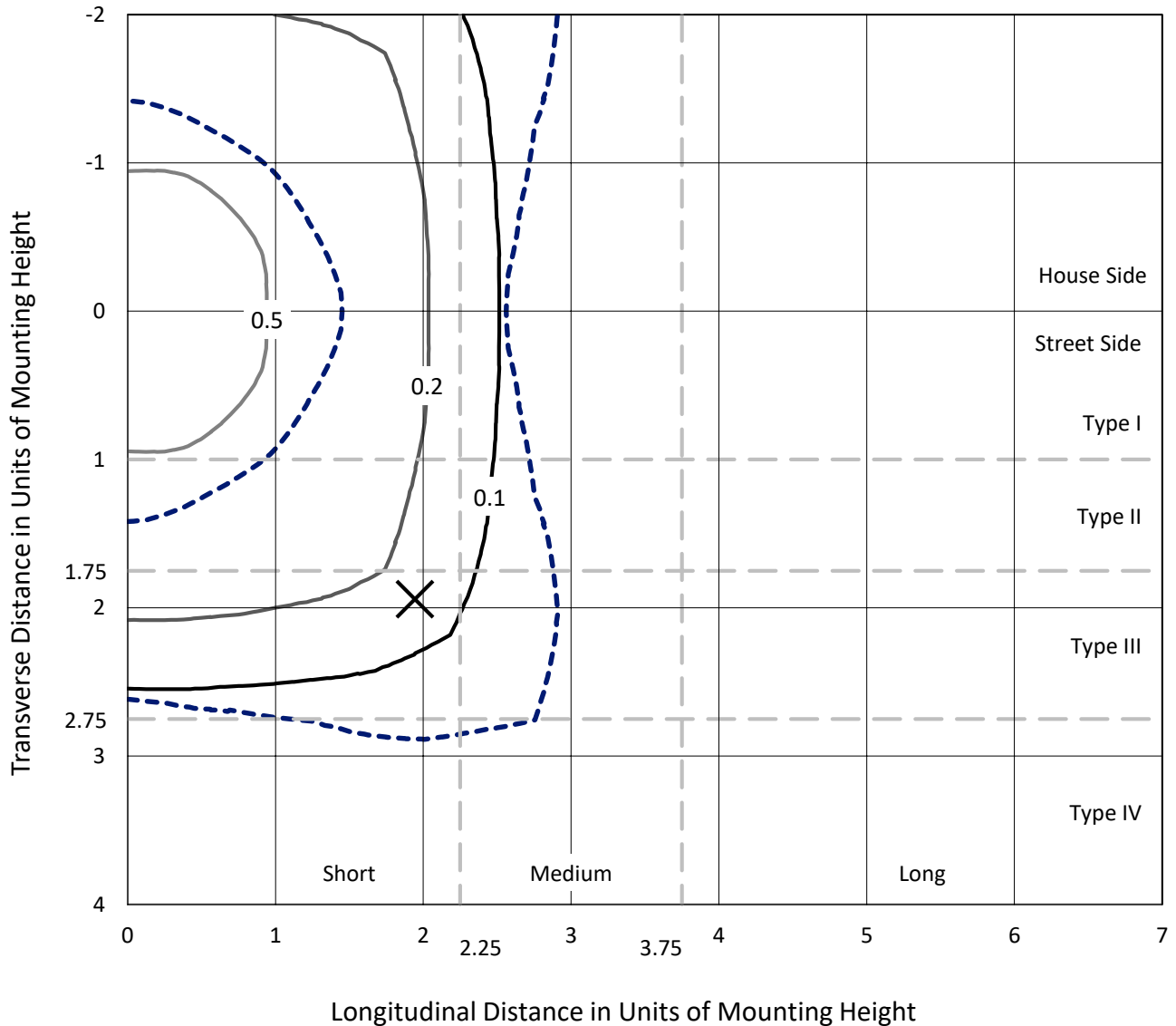
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

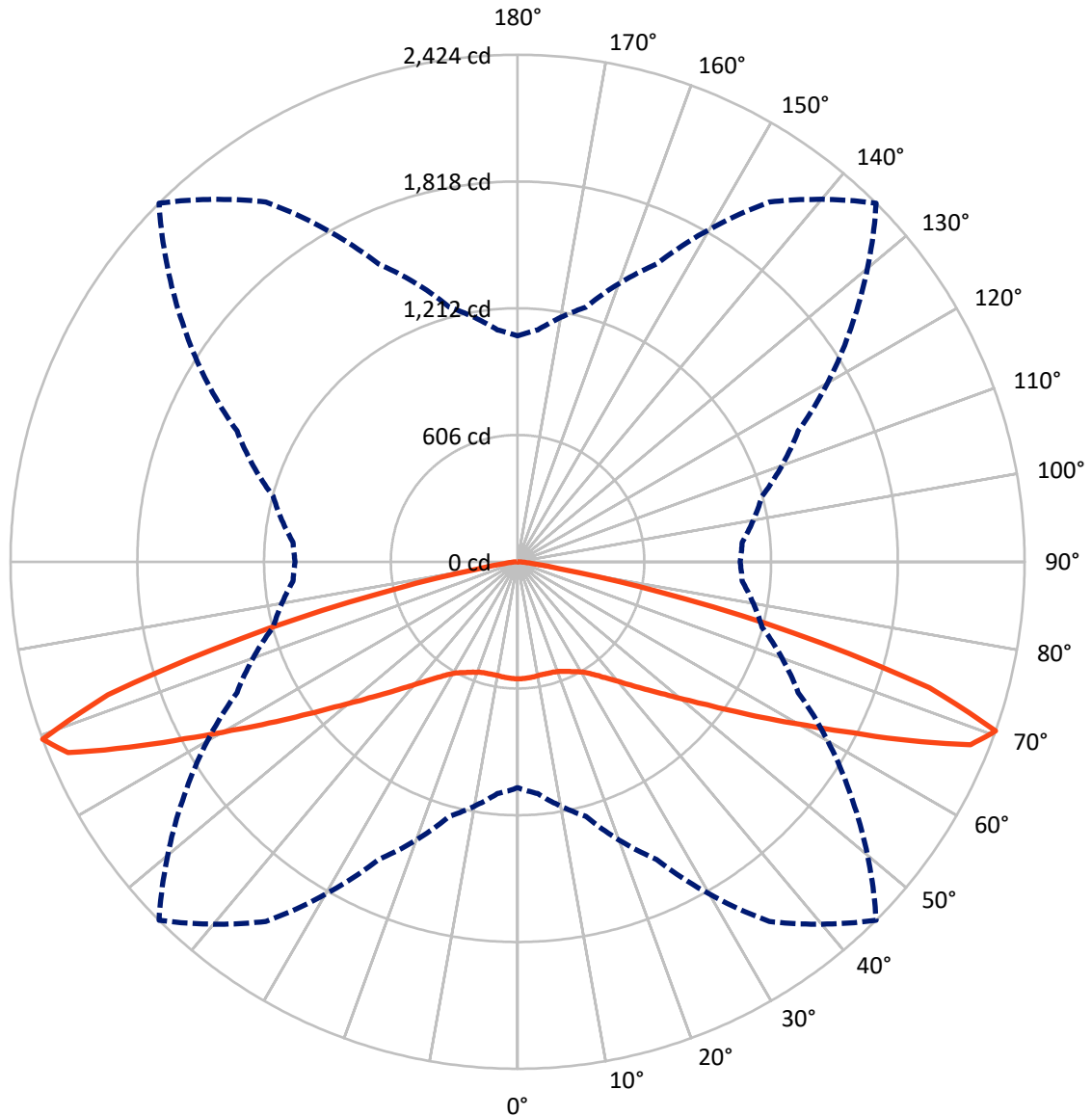
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2563.0	0.0	2563.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2563.0	0.0	2563.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5126.0	0.0	5126.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	1.0
10°-20°	155.7	3.0
20°-30°	265.0	5.2
30°-40°	420.3	8.2
40°-50°	683.9	13.3
50°-60°	1127.6	22.0
60°-70°	1655.4	32.3
70°-80°	732.0	14.3
80°-90°	33.1	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°	5126.0	100.0
0°-180°	5126.0	100.0



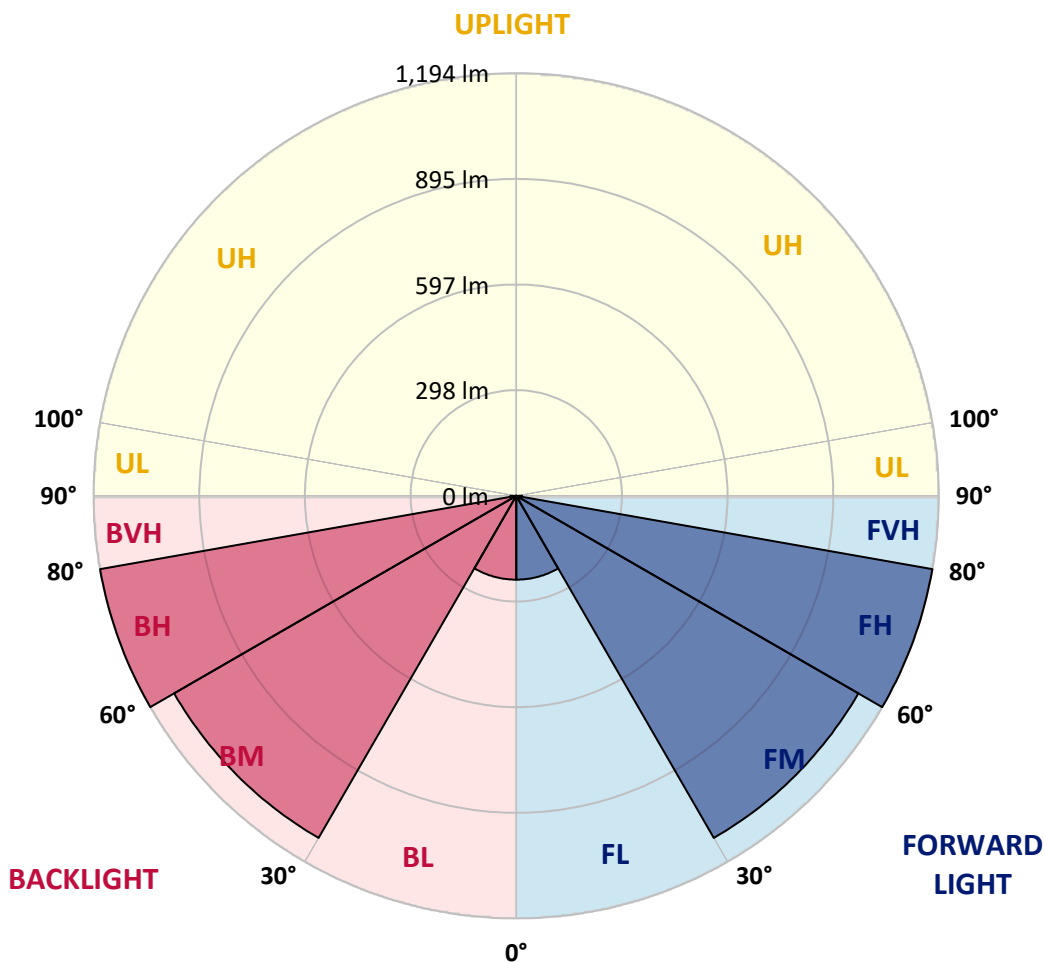
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.8	4.6			
FM (30°-60°)	1115.9	21.8			
FH (60°-80°)	1193.7	23.3			G1/1800
FVH (80°-90°)	16.6	0.3			G1/100
BL (0°-30°)	236.8	4.6	B1/500		
BM (30°-60°)	1115.9	21.8	B2/2500		
BH (60°-80°)	1193.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	16.6	0.3			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°	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8
2.5°	559.0	558.5	559.7	559.5	558.5	558.7	558.7	559.2	559.2	558.8	558.8
5°	557.0	556.6	558.0	558.0	557.0	557.3	557.6	558.1	558.0	557.6	557.5
7.5°	554.4	554.2	555.6	555.6	554.9	555.3	554.9	555.1	554.7	554.4	553.9
10°	550.2	550.5	551.7	552.0	552.0	552.2	551.9	551.0	550.5	550.0	549.5
12.5°	546.3	546.1	547.8	548.6	550.0	551.5	550.5	548.1	547.1	546.1	545.8
15°	543.7	543.9	545.6	547.1	549.5	552.7	551.5	547.8	545.8	544.6	544.2
17.5°	543.2	543.6	545.8	548.5	551.0	554.6	553.9	550.2	546.8	544.6	544.1
20°	544.4	544.6	548.0	551.9	556.3	559.7	558.1	554.1	549.5	546.1	545.2
22.5°	546.6	547.3	551.5	557.6	564.4	569.0	567.1	560.2	553.1	548.8	547.6
25°	553.6	553.7	559.5	567.8	576.0	581.2	579.0	569.2	560.0	555.3	553.7
27.5°	568.0	568.5	574.3	583.9	590.9	594.3	592.9	584.9	577.1	572.1	572.6
30°	588.8	589.5	596.0	606.7	610.9	611.8	611.4	607.7	600.6	593.8	594.3
32.5°	614.3	614.6	623.3	633.0	636.4	637.0	636.4	633.0	624.5	615.3	615.8
35°	647.0	648.1	656.4	665.7	668.4	669.8	668.6	664.2	655.4	646.4	646.0
37.5°	687.4	687.6	696.2	705.9	709.3	709.6	708.3	705.4	694.4	686.2	685.7
40°	734.2	734.9	745.1	755.4	756.8	755.3	757.1	755.4	744.1	734.7	736.3
42.5°	791.2	792.8	805.0	815.2	811.3	810.4	811.6	812.1	802.9	791.6	790.6
45°	857.6	858.9	874.2	882.3	879.8	874.2	876.6	880.6	867.9	853.8	855.2
47.5°	933.2	936.6	952.9	960.5	954.3	946.6	951.2	957.3	942.4	924.9	924.1
50°	1017.4	1021.6	1043.3	1054.0	1047.7	1033.7	1041.3	1045.4	1023.8	1001.3	999.4
52.5°	1107.1	1111.4	1138.7	1160.7	1156.7	1134.8	1145.5	1141.2	1116.5	1086.1	1083.7
55°	1208.7	1210.4	1240.0	1275.6	1279.7	1263.5	1262.9	1255.9	1219.3	1184.1	1182.4
57.5°	1313.2	1314.4	1352.6	1394.7	1413.8	1413.8	1394.8	1380.1	1331.4	1290.7	1286.4
60°	1426.1	1430.3	1472.5	1529.7	1574.5	1587.7	1554.1	1513.9	1461.0	1411.3	1406.4
62.5°	1526.5	1531.4	1596.1	1681.2	1753.1	1801.3	1719.2	1653.7	1557.4	1477.6	1468.3
65°	1539.2	1552.5	1646.6	1800.8	1961.8	2058.0	1900.6	1739.2	1563.6	1452.9	1443.4
67.5°	1405.7	1428.1	1555.3	1795.4	2128.1	2334.5	2016.4	1690.4	1451.0	1328.5	1318.0
70°	1080.1	1112.7	1259.5	1570.4	2099.4	2423.6	1943.8	1479.8	1209.8	1077.9	1063.2
72.5°	592.6	606.0	738.0	1075.4	1683.1	2059.5	1621.3	1094.2	802.3	652.8	628.0
75°	188.0	192.7	259.9	440.1	952.1	1364.1	1029.9	537.1	295.7	218.0	215.5
77.5°	83.5	84.0	94.0	128.4	327.9	691.1	393.9	146.2	100.8	88.0	90.9
80°	52.8	52.8	58.2	63.6	89.2	200.7	106.5	69.6	59.4	55.1	56.3
82.5°	25.3	28.0	37.8	40.7	49.0	67.5	54.6	45.5	39.7	29.5	27.5
85°	16.6	13.9	23.9	27.0	28.5	32.4	31.7	30.0	26.0	14.8	16.5
87.5°	7.5	7.1	12.4	11.4	10.7	8.1	12.2	15.1	14.6	7.3	7.3
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)