

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: P316506

Luminaire Tested: **GAN-SA2A-750-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316506  
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-SA2A-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 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: 10016 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

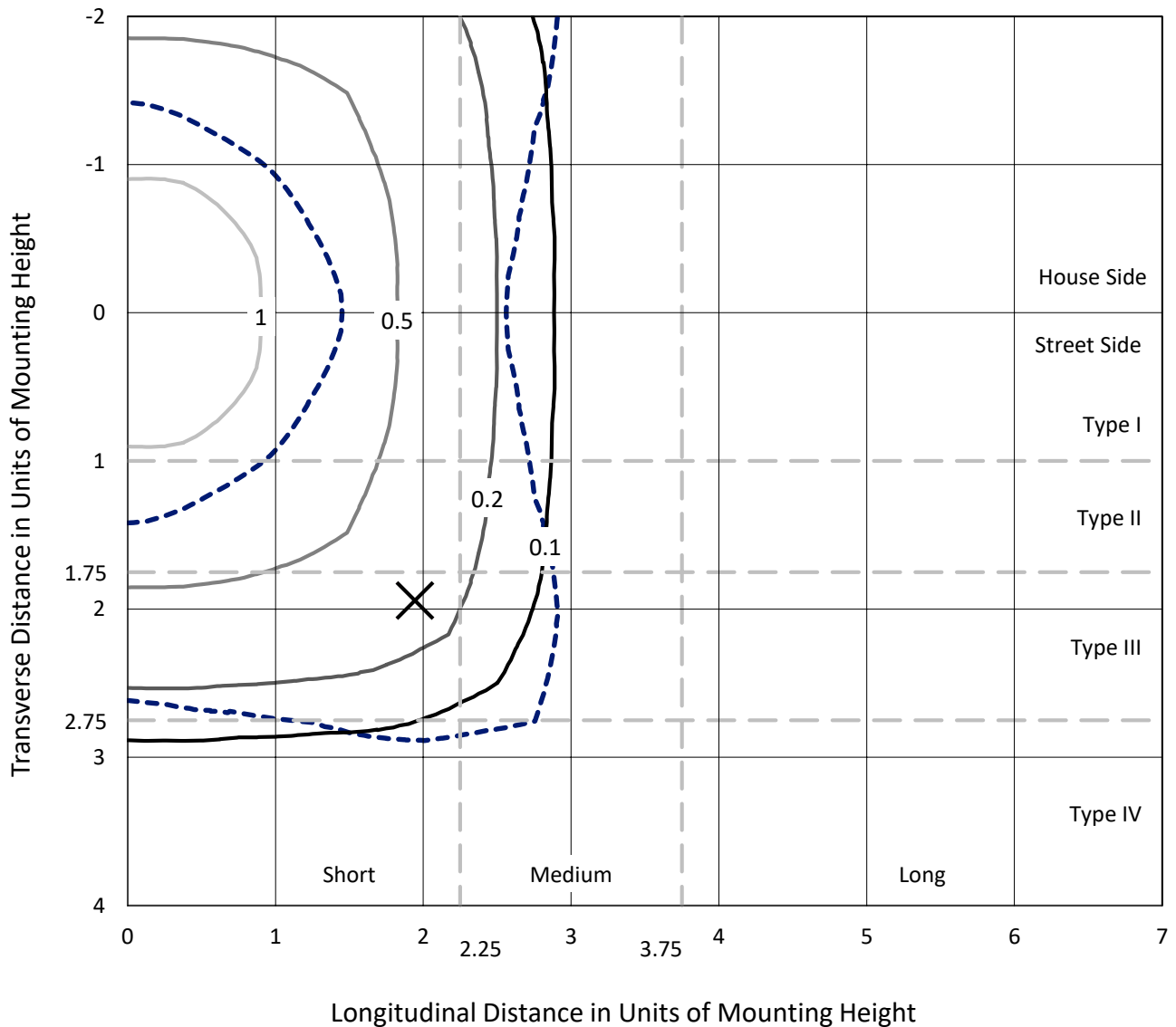
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

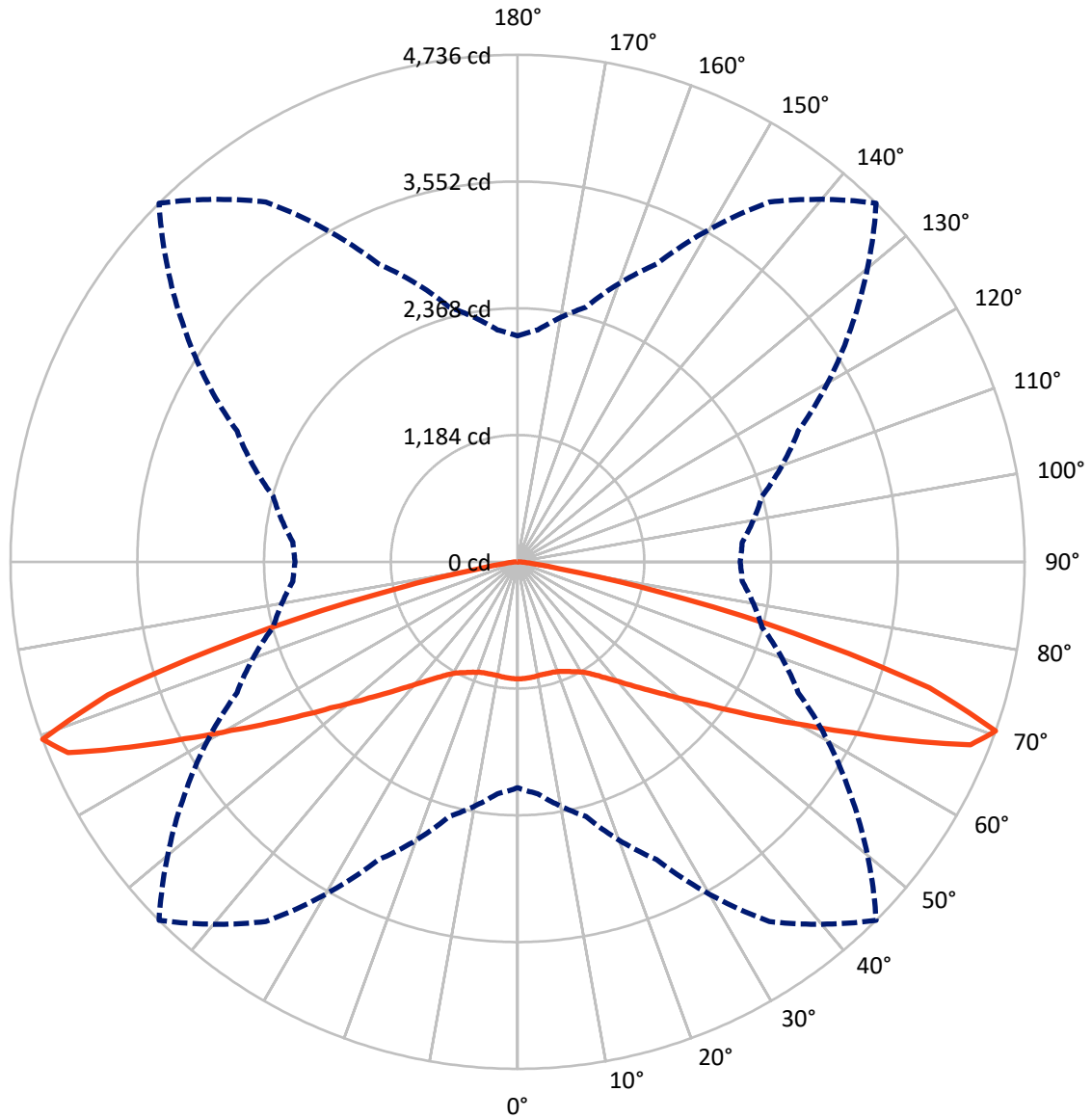
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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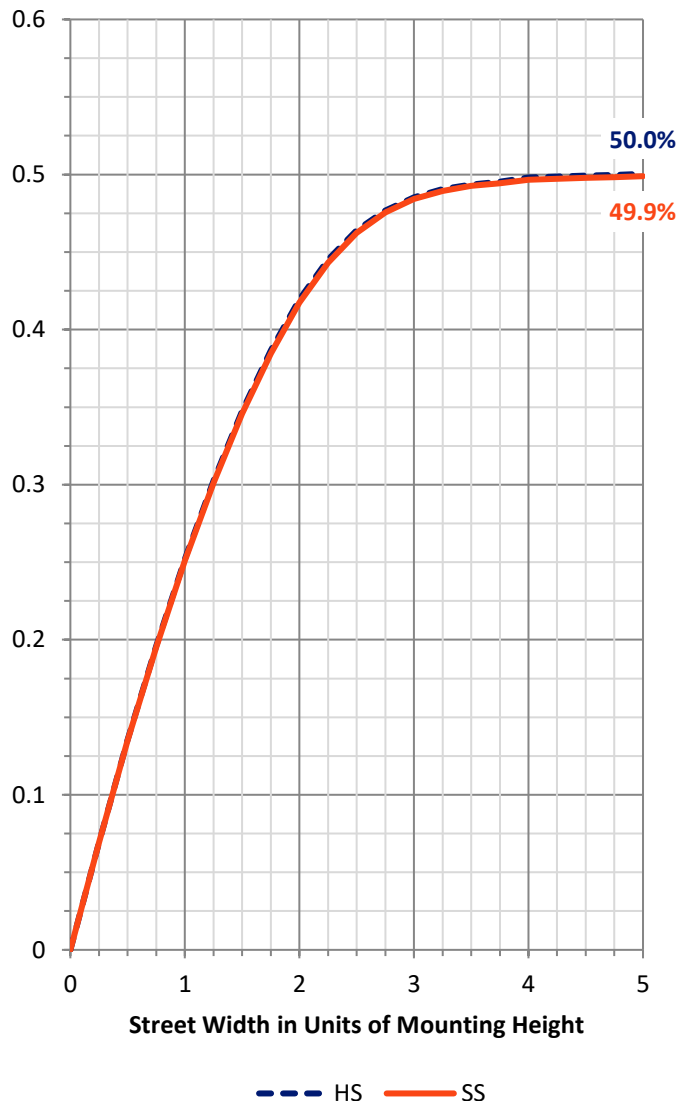
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5008.0	0.0	5008.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5008.0	0.0	5008.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10016.0	0.0	10016.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	1.0
10°-20°	304.2	3.0
20°-30°	517.8	5.2
30°-40°	821.2	8.2
40°-50°	1336.3	13.3
50°-60°	2203.3	22.0
60°-70°	3234.6	32.3
70°-80°	1430.3	14.3
80°-90°	64.8	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°	10016.0	100.0
0°-180°	10016.0	100.0

**Coefficient of Utilization**



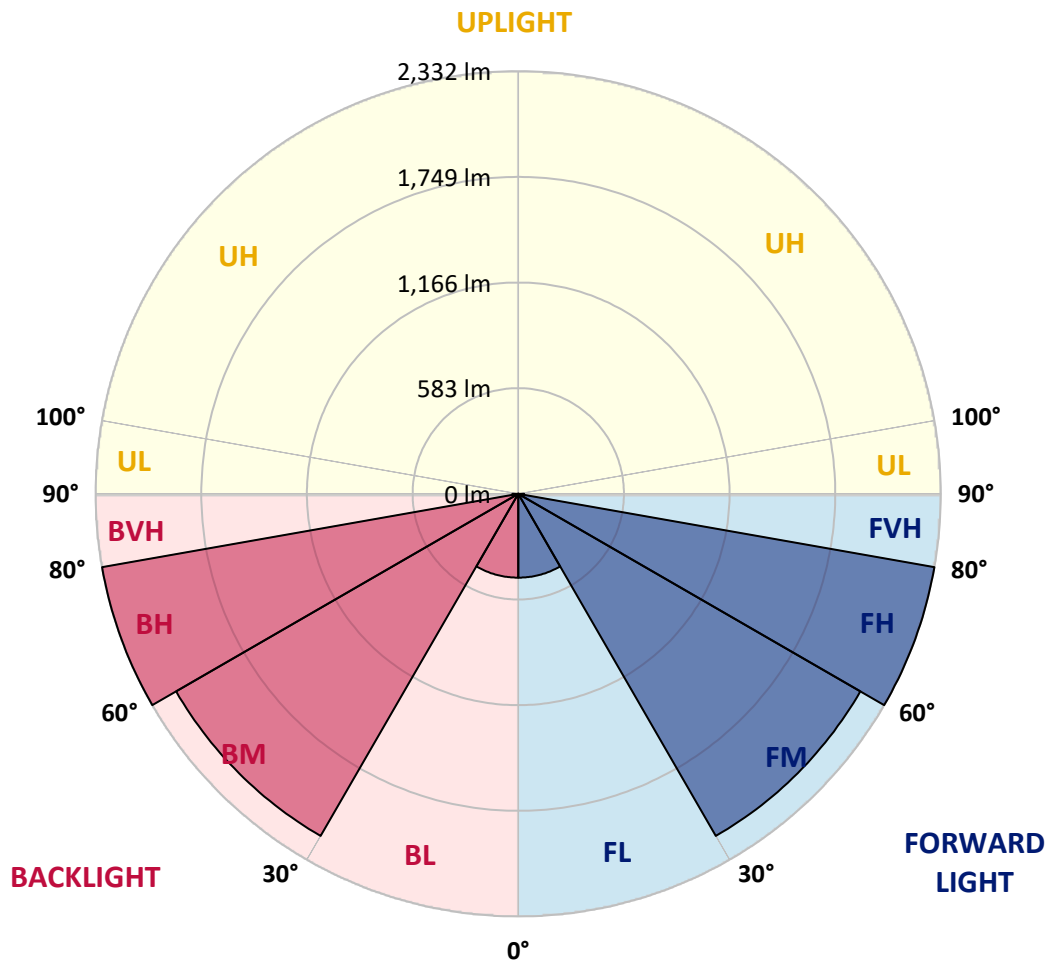
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.8	4.6			
FM (30°-60°)	2180.4	21.8			
FH (60°-80°)	2332.4	23.3			G2/5000
FVH (80°-90°)	32.4	0.3			G1/100
BL (0°-30°)	462.8	4.6	B1/500		
BM (30°-60°)	2180.4	21.8	B2/2500		
BH (60°-80°)	2332.4	23.3	B3/2500		G2/5000
BVH (80°-90°)	32.4	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9	1093.9
2.5°	1092.2	1091.3	1093.6	1093.2	1091.3	1091.6	1091.6	1092.6	1092.6	1091.9	1091.9
5°	1088.3	1087.6	1090.3	1090.3	1088.3	1088.9	1089.6	1090.6	1090.3	1089.6	1089.3
7.5°	1083.3	1083.0	1085.6	1085.6	1084.3	1085.0	1084.3	1084.6	1084.0	1083.3	1082.3
10°	1075.0	1075.7	1078.0	1078.7	1078.7	1079.0	1078.3	1076.7	1075.7	1074.7	1073.7
12.5°	1067.4	1067.1	1070.4	1072.0	1074.7	1077.7	1075.7	1071.0	1069.0	1067.1	1066.4
15°	1062.4	1062.7	1066.1	1069.0	1073.7	1080.0	1077.7	1070.4	1066.4	1064.1	1063.4
17.5°	1061.4	1062.1	1066.4	1071.7	1076.7	1083.6	1082.3	1075.0	1068.4	1064.1	1063.1
20°	1063.7	1064.1	1070.7	1078.3	1086.9	1093.6	1090.6	1082.6	1073.7	1067.1	1065.4
22.5°	1068.0	1069.4	1077.7	1089.6	1102.9	1111.8	1108.2	1094.6	1080.6	1072.4	1070.0
25°	1081.6	1082.0	1093.2	1109.5	1125.4	1135.7	1131.4	1112.1	1094.2	1085.0	1082.0
27.5°	1109.8	1110.8	1122.1	1141.0	1154.6	1161.2	1158.5	1143.0	1127.7	1117.8	1118.8
30°	1150.6	1151.9	1164.5	1185.4	1193.7	1195.3	1194.7	1187.4	1173.5	1160.2	1161.2
32.5°	1200.3	1201.0	1217.9	1236.8	1243.4	1244.7	1243.4	1236.8	1220.2	1202.3	1203.3
35°	1264.3	1266.3	1282.5	1300.8	1306.1	1308.7	1306.4	1297.8	1280.5	1263.0	1262.3
37.5°	1343.2	1343.5	1360.4	1379.3	1385.9	1386.6	1384.0	1378.3	1356.8	1340.9	1339.9
40°	1434.7	1436.0	1455.9	1476.1	1478.8	1475.8	1479.4	1476.1	1453.9	1435.7	1438.6
42.5°	1546.0	1549.0	1572.9	1592.8	1585.2	1583.5	1585.8	1586.8	1568.9	1546.7	1544.7
45°	1675.7	1678.3	1708.1	1724.1	1719.1	1708.1	1712.8	1720.7	1695.9	1668.4	1671.0
47.5°	1823.5	1830.1	1862.0	1876.9	1864.6	1849.7	1858.6	1870.6	1841.4	1807.3	1805.6
50°	1987.9	1996.2	2038.6	2059.5	2047.3	2019.7	2034.7	2042.6	2000.5	1956.4	1952.8
52.5°	2163.3	2171.6	2224.9	2268.0	2260.1	2217.3	2238.2	2229.9	2181.5	2122.2	2117.5
55°	2361.8	2365.2	2422.8	2492.4	2500.4	2468.9	2467.6	2454.0	2382.4	2313.8	2310.5
57.5°	2566.0	2568.4	2642.9	2725.1	2762.6	2762.6	2725.5	2696.6	2601.5	2521.9	2513.7
60°	2786.5	2794.8	2877.3	2989.0	3076.5	3102.4	3036.7	2958.2	2854.8	2757.6	2748.0
62.5°	2982.7	2992.3	3118.6	3285.0	3425.6	3519.7	3359.3	3231.3	3043.0	2887.2	2869.0
65°	3007.6	3033.4	3217.4	3518.7	3833.3	4021.3	3713.6	3398.4	3055.3	2838.8	2820.3
67.5°	2746.7	2790.4	3039.1	3508.1	4158.2	4561.6	3940.0	3302.9	2835.2	2595.9	2575.3
70°	2110.6	2174.2	2461.0	3068.6	4102.1	4735.6	3798.2	2891.6	2363.8	2106.3	2077.4
72.5°	1157.9	1184.1	1442.0	2101.3	3288.7	4024.2	3168.0	2138.1	1567.6	1275.6	1227.2
75°	367.3	376.6	507.8	859.9	1860.3	2665.5	2012.5	1049.5	577.8	426.0	421.0
77.5°	163.1	164.1	183.6	250.9	640.8	1350.5	769.7	285.7	196.9	172.0	177.7
80°	103.1	103.1	113.7	124.3	174.4	392.1	208.2	135.9	116.0	107.7	110.1
82.5°	49.4	54.7	73.9	79.6	95.8	131.9	106.7	88.8	77.6	57.7	53.7
85°	32.5	27.2	46.7	52.7	55.7	63.3	62.0	58.7	50.7	28.8	32.2
87.5°	14.6	13.9	24.2	22.2	20.9	15.9	23.9	29.5	28.5	14.3	14.3
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)