

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: P316805

Luminaire Tested: **GAN-SA1C-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316805  
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-SA1C-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7640 lumens  
Efficiency: N/A  
Efficacy: 129.5 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

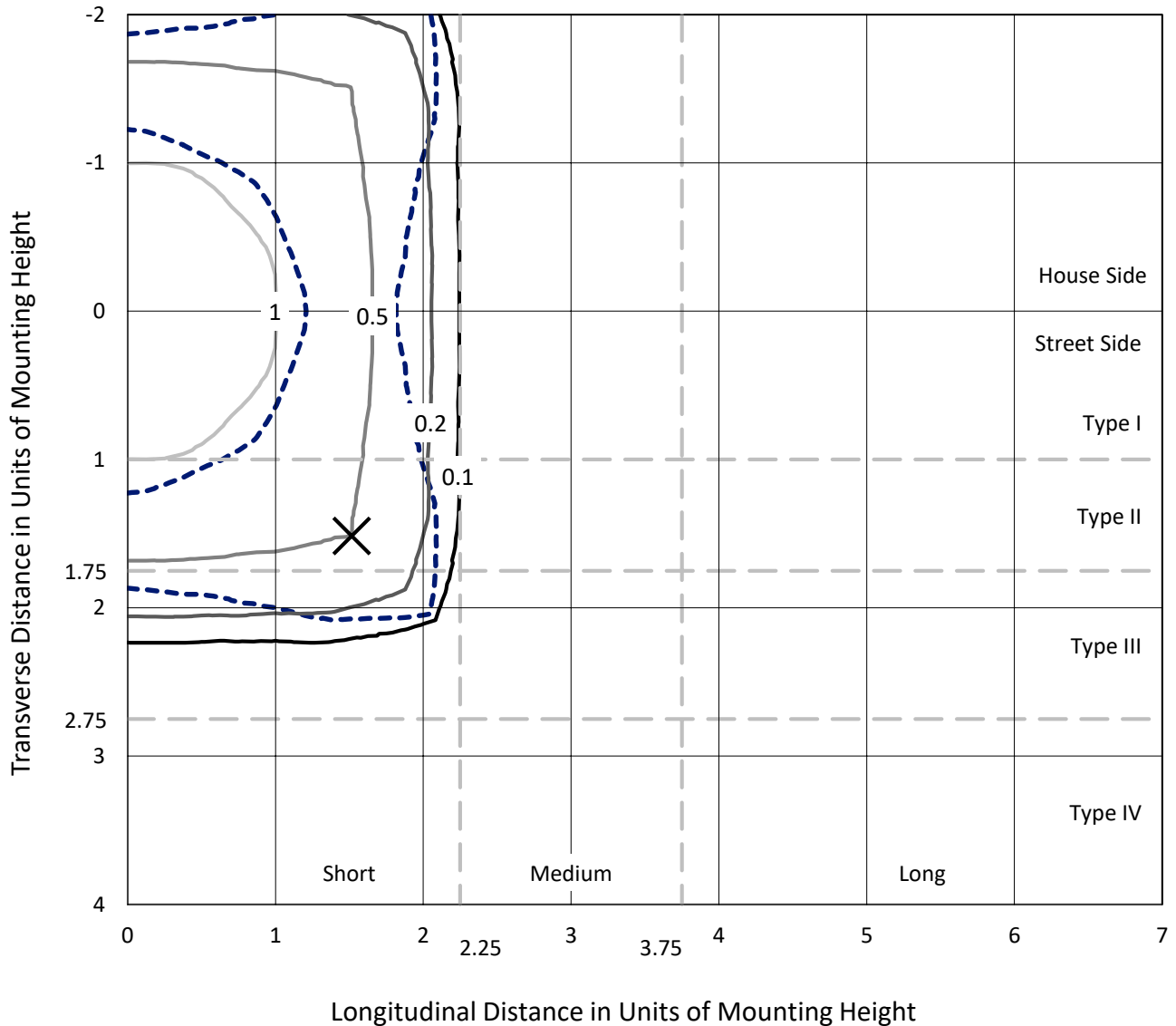
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

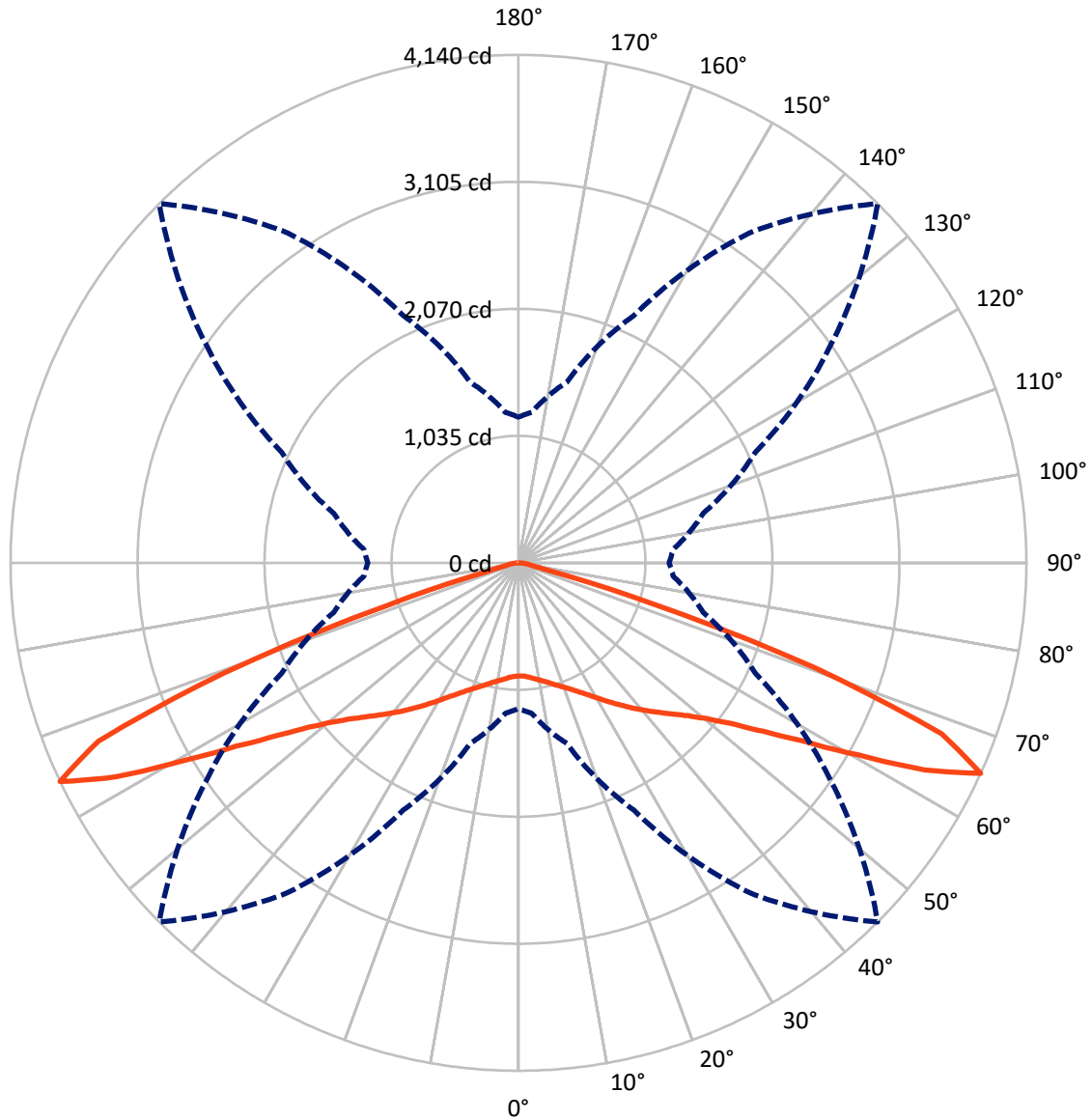
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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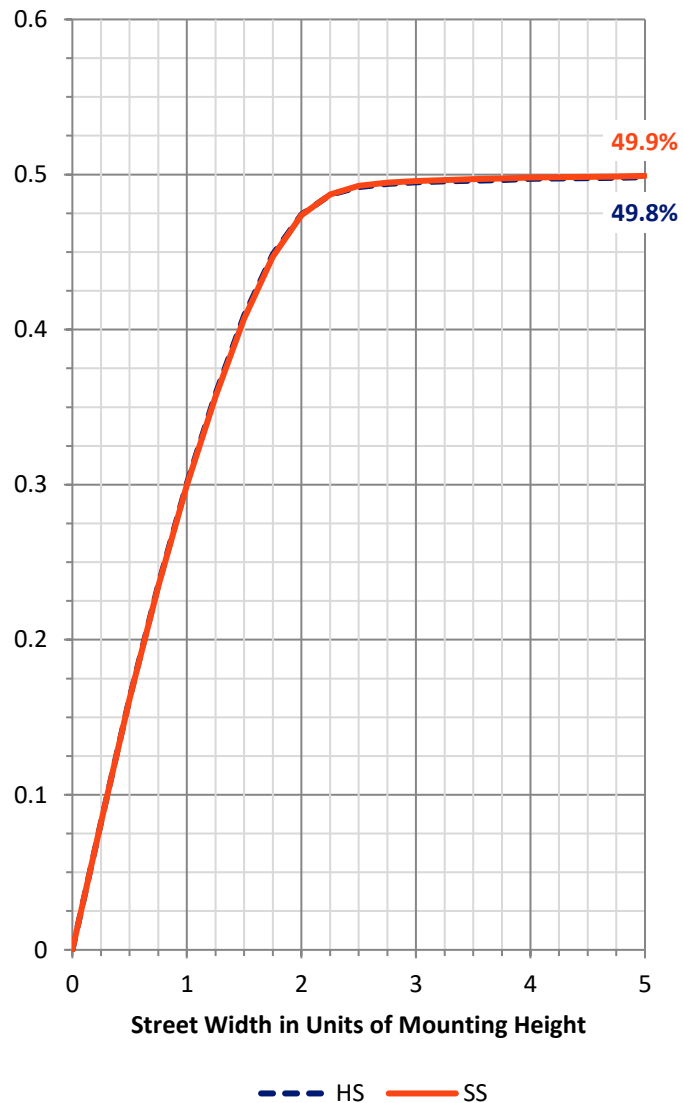
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3820.0	0.0	3820.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3820.0	0.0	3820.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7640.0	0.0	7640.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	1.2
10°-20°	291.0	3.8
20°-30°	545.9	7.1
30°-40°	902.8	11.8
40°-50°	1398.3	18.3
50°-60°	2144.6	28.1
60°-70°	2001.2	26.2
70°-80°	232.9	3.0
80°-90°	32.7	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°	7640.0	100.0
0°-180°	7640.0	100.0

**Coefficient of Utilization**



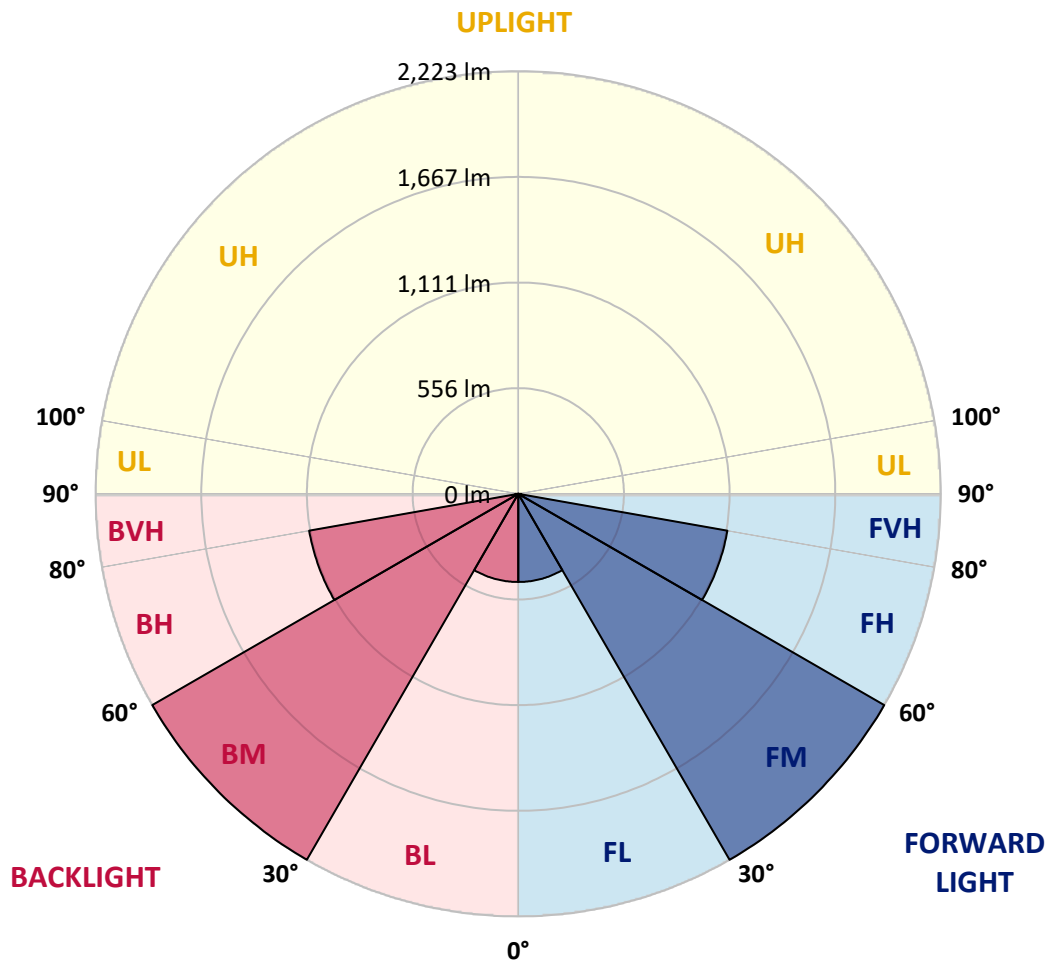
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.7	6.1			
FM (30°-60°)	2222.9	29.1			
FH (60°-80°)	1117.1	14.6			G1/1800
FVH (80°-90°)	16.4	0.2			G1/100
BL (0°-30°)	463.7	6.1	B1/500		
BM (30°-60°)	2222.9	29.1	B2/2500		
BH (60°-80°)	1117.1	14.6	B3/2500		G1/1800
BVH (80°-90°)	16.4	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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	925.7	925.2	925.7	925.9	924.4	925.2	924.9	926.2	926.7	926.2	926.2
5°	936.3	935.6	936.6	937.8	935.8	936.3	935.6	937.1	937.6	936.6	937.3
7.5°	951.0	951.3	952.3	954.6	953.3	954.3	952.8	953.1	952.8	951.3	951.5
10°	967.0	967.3	969.0	972.1	972.6	972.6	971.6	970.8	969.8	968.8	969.0
12.5°	986.3	987.6	988.8	992.6	992.6	994.7	994.1	992.1	990.3	988.8	988.8
15°	1012.4	1012.2	1013.7	1017.5	1019.3	1022.5	1022.5	1019.8	1017.5	1016.0	1015.4
17.5°	1039.8	1040.6	1041.6	1046.1	1048.9	1052.7	1053.2	1051.0	1049.4	1047.4	1046.1
20°	1071.7	1073.0	1077.1	1078.8	1081.4	1084.9	1086.2	1085.7	1084.2	1083.2	1083.4
22.5°	1109.0	1112.3	1114.9	1117.4	1120.4	1123.0	1124.2	1126.0	1124.5	1123.7	1123.2
25°	1154.2	1156.5	1161.5	1166.1	1168.1	1168.9	1170.4	1172.9	1172.7	1170.9	1170.9
27.5°	1205.4	1209.7	1216.1	1222.6	1222.6	1220.1	1225.2	1229.5	1228.0	1225.7	1222.6
30°	1267.5	1271.6	1278.9	1288.1	1283.5	1281.7	1288.6	1296.4	1294.2	1290.4	1289.9
32.5°	1334.5	1338.3	1347.9	1357.8	1352.0	1349.4	1356.8	1368.2	1364.2	1356.6	1352.0
35°	1407.0	1410.8	1424.5	1436.4	1426.5	1422.2	1428.3	1440.7	1433.6	1419.4	1415.9
37.5°	1485.9	1487.9	1505.7	1517.8	1511.0	1499.6	1507.2	1516.3	1510.2	1493.0	1486.1
40°	1567.8	1575.2	1595.7	1609.9	1598.0	1580.0	1592.7	1605.3	1596.2	1574.1	1562.5
42.5°	1663.4	1669.0	1696.4	1709.1	1689.8	1664.4	1681.7	1698.9	1689.8	1668.5	1658.3
45°	1762.8	1771.5	1804.2	1816.8	1789.0	1756.7	1777.8	1808.0	1807.2	1776.5	1765.9
47.5°	1871.1	1879.7	1918.8	1935.5	1905.4	1862.2	1891.9	1934.5	1931.5	1897.8	1889.1
50°	1996.2	2005.3	2054.0	2075.0	2046.9	1996.7	2041.3	2078.8	2073.2	2031.7	2032.4
52.5°	2153.1	2152.6	2213.2	2249.8	2220.8	2176.5	2217.6	2254.1	2231.0	2173.4	2171.6
55°	2290.6	2299.0	2374.0	2443.3	2441.5	2424.5	2441.0	2442.5	2376.6	2300.0	2290.6
57.5°	2380.9	2396.9	2502.6	2627.9	2721.7	2744.3	2712.3	2615.5	2461.0	2338.5	2323.6
60°	2325.3	2349.7	2515.8	2771.2	3047.6	3180.2	2999.9	2699.4	2395.3	2224.7	2204.4
62.5°	1950.5	1991.6	2234.8	2701.9	3328.1	3715.9	3208.4	2564.7	2134.1	1899.0	1864.3
65°	1187.9	1231.3	1524.4	2223.9	3282.7	4139.9	3113.3	2128.8	1557.7	1265.3	1227.7
67.5°	395.9	408.6	581.3	1229.2	2580.0	3719.7	2584.3	1274.4	677.9	449.4	436.2
70°	155.0	156.2	184.4	356.3	1218.3	2554.8	1344.4	362.7	192.7	152.4	155.7
72.5°	113.9	114.4	122.2	148.9	317.5	1125.5	328.9	149.6	118.9	106.8	106.8
75°	91.6	91.6	97.1	108.5	142.3	258.2	144.3	107.3	93.1	85.2	84.2
77.5°	72.3	73.8	78.1	85.5	96.4	124.3	99.9	85.0	75.1	67.7	66.2
80°	53.8	55.3	62.4	65.9	69.2	86.2	73.8	66.4	59.3	50.7	49.2
82.5°	35.3	36.8	45.6	47.7	46.9	56.3	49.7	48.9	43.6	32.7	31.2
85°	23.1	23.6	30.4	31.7	29.2	25.6	31.7	33.5	30.4	21.3	20.5
87.5°	10.9	10.9	15.5	14.5	13.2	10.7	14.5	17.0	17.2	10.4	10.1
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)