

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: P316147

Luminaire Tested: **GAN-SA3A-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316147
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-SA3A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 14985 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

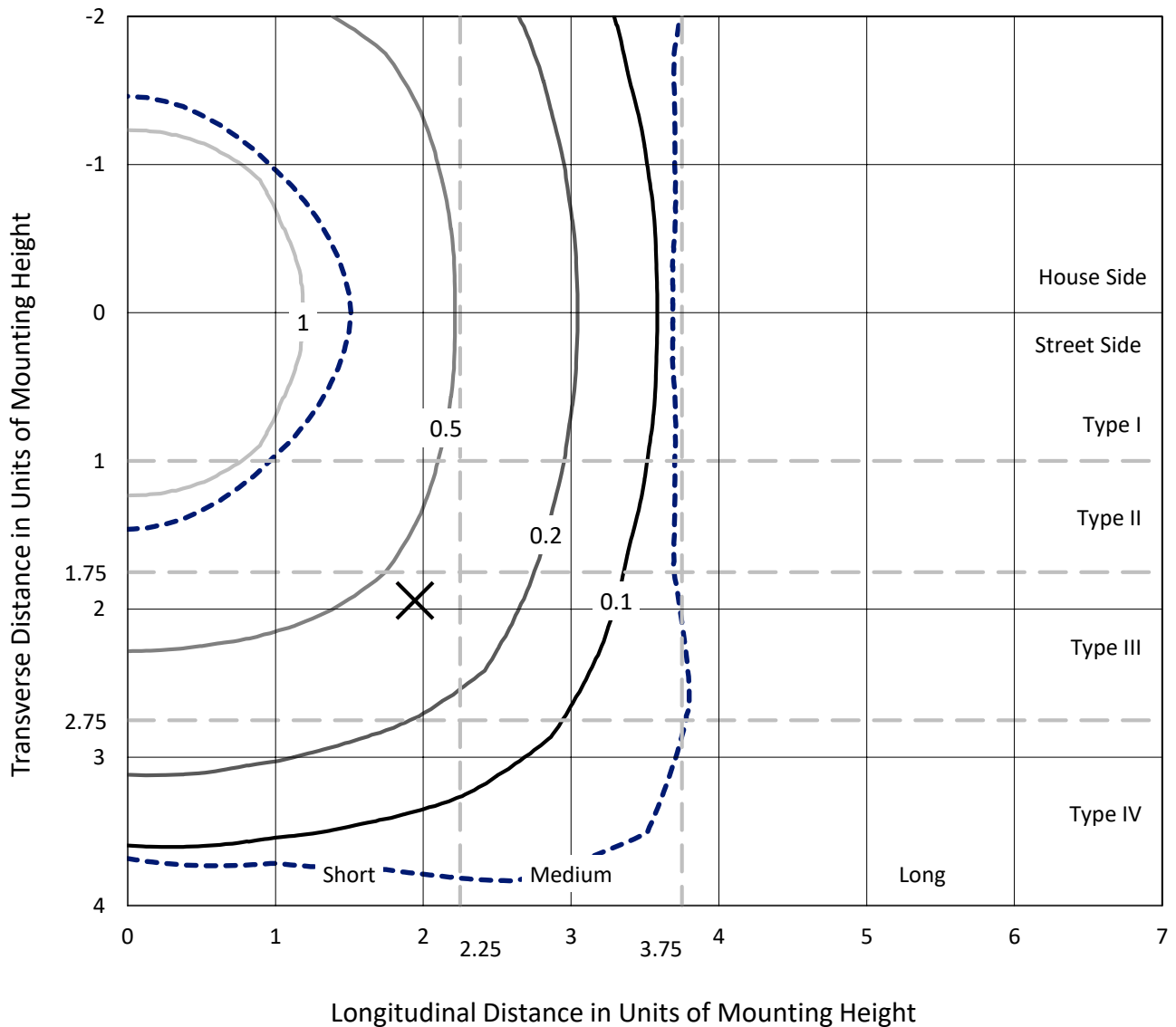
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

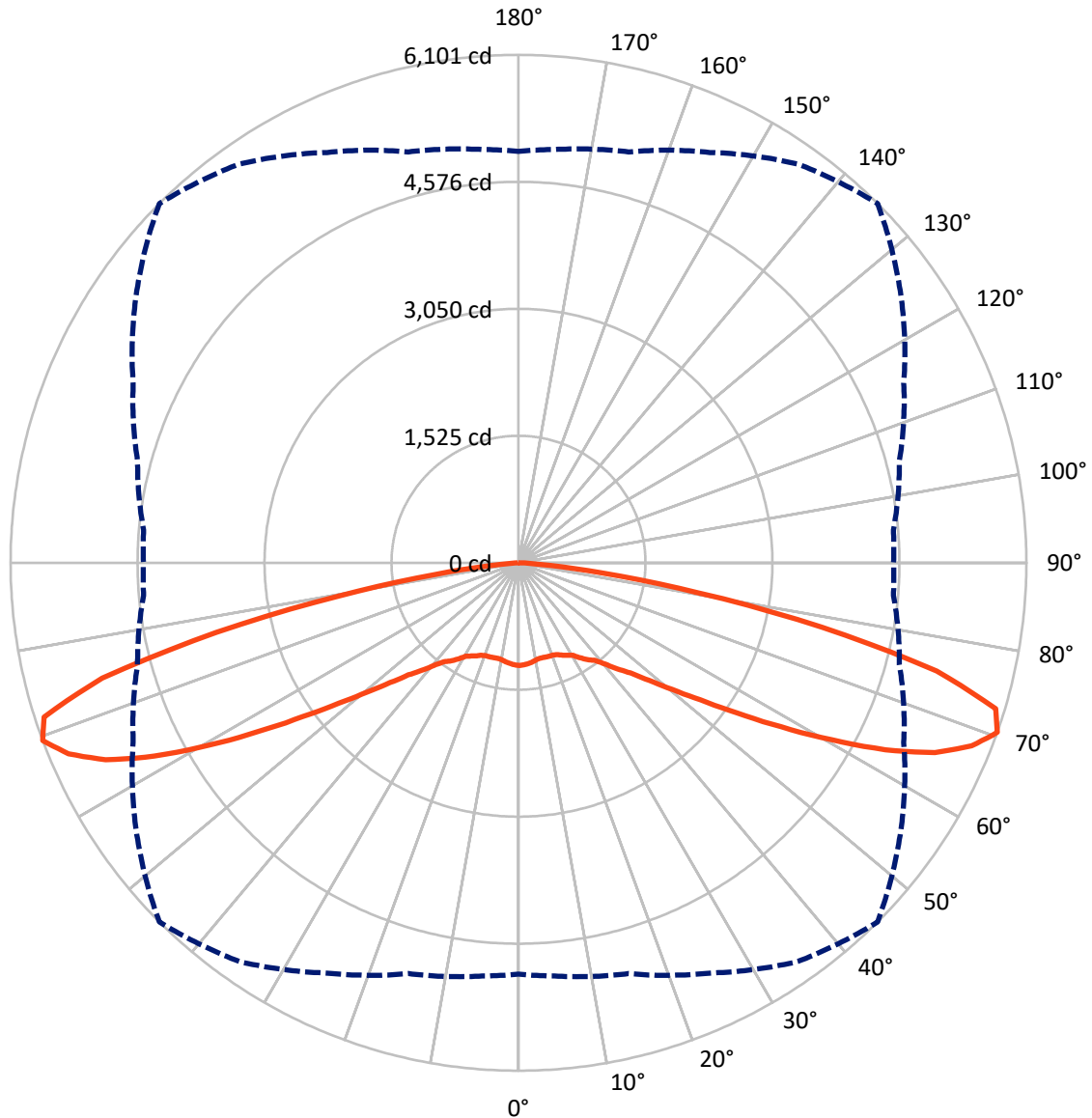
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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
House Side	Lumens	7492.5	0.0	7492.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7492.5	0.0	7492.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14985.0	0.0	14985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	0.8
10°-20°	336.2	2.2
20°-30°	573.3	3.8
30°-40°	895.7	6.0
40°-50°	1518.0	10.1
50°-60°	2768.3	18.5
60°-70°	4765.8	31.8
70°-80°	3735.6	24.9
80°-90°	277.0	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°	14985.0	100.0
0°-180°	14985.0	100.0

Coefficient of Utilization



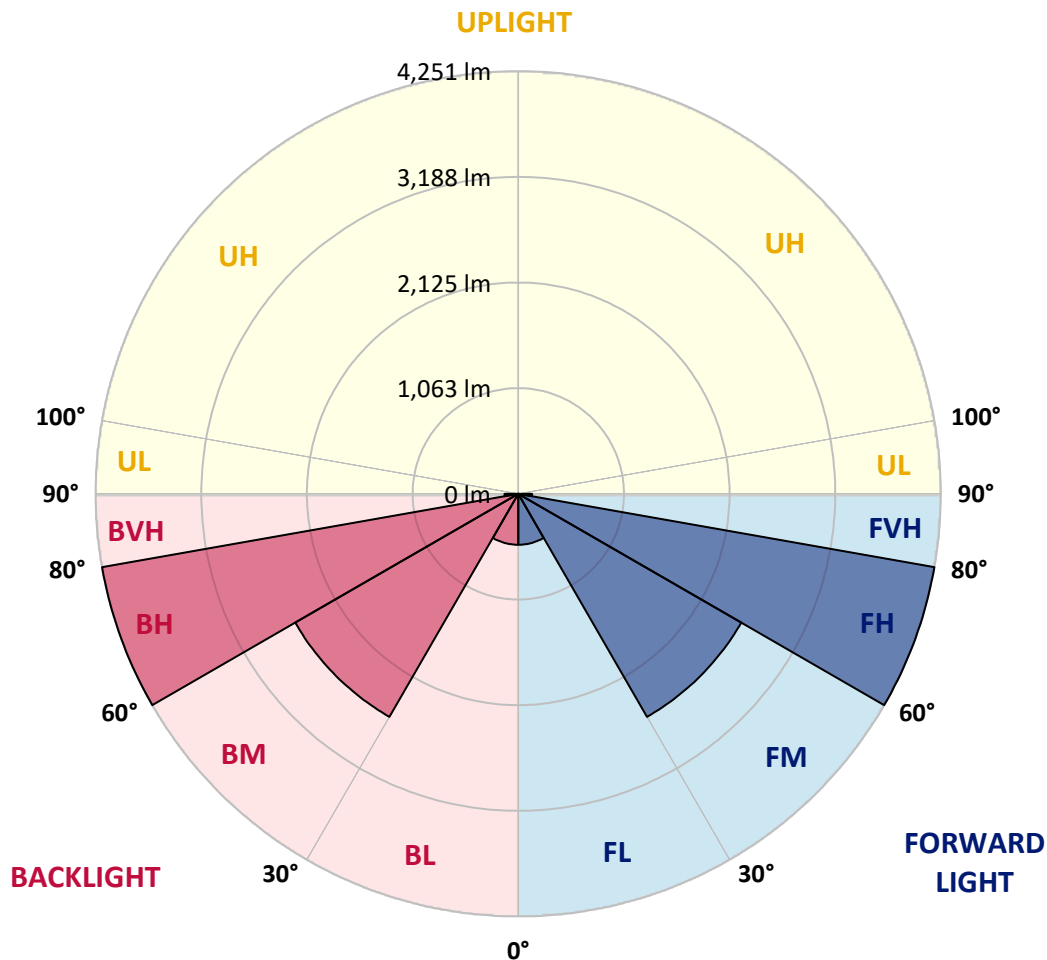
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.3	3.4			
FM (30°-60°)	2591.0	17.3			
FH (60°-80°)	4250.7	28.4			G2/5000
FVH (80°-90°)	138.5	0.9			G2/225
BL (0°-30°)	512.3	3.4	B2/1000		
BM (30°-60°)	2591.0	17.3	B3/5000		
BH (60°-80°)	4250.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	138.5	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3
2.5°	1227.8	1229.3	1227.8	1228.8	1226.3	1227.3	1227.3	1227.3	1226.8	1227.3	1226.3
5°	1216.9	1217.9	1215.9	1216.9	1215.4	1216.9	1217.4	1216.9	1215.9	1216.4	1214.4
7.5°	1200.6	1201.5	1200.1	1201.5	1199.6	1202.0	1201.5	1200.1	1198.6	1198.6	1196.6
10°	1191.6	1192.1	1188.2	1186.7	1182.2	1183.2	1184.7	1186.2	1187.7	1190.6	1190.1
12.5°	1192.1	1192.1	1186.2	1179.7	1173.3	1174.8	1177.3	1182.7	1188.7	1194.1	1194.6
15°	1197.1	1196.6	1187.7	1177.3	1172.8	1177.3	1178.7	1182.2	1191.6	1201.0	1201.5
17.5°	1200.6	1200.6	1186.7	1174.8	1174.3	1181.2	1180.7	1182.2	1192.6	1206.5	1207.0
20°	1207.0	1207.0	1189.2	1176.3	1176.3	1183.7	1184.2	1186.7	1197.1	1212.4	1214.9
22.5°	1221.4	1221.9	1203.0	1192.6	1193.6	1198.1	1199.6	1203.5	1212.9	1229.8	1232.8
25°	1241.7	1242.7	1223.4	1217.4	1220.9	1229.3	1228.3	1231.3	1241.7	1258.1	1261.0
27.5°	1269.9	1267.5	1249.6	1247.1	1250.6	1256.6	1256.1	1256.6	1265.0	1279.9	1283.3
30°	1306.6	1305.6	1292.7	1294.2	1292.7	1290.8	1291.3	1295.2	1299.7	1311.6	1315.1
32.5°	1342.3	1343.3	1335.4	1342.8	1353.7	1361.2	1349.8	1338.8	1333.9	1340.3	1343.3
35°	1406.8	1409.2	1396.8	1391.9	1406.8	1428.6	1396.3	1378.5	1388.4	1396.8	1399.3
37.5°	1516.3	1517.8	1497.0	1477.1	1466.2	1487.1	1454.8	1456.3	1491.0	1506.9	1506.4
40°	1641.2	1641.7	1627.8	1610.5	1591.6	1596.6	1583.7	1587.7	1610.5	1624.9	1628.8
42.5°	1789.9	1788.4	1766.6	1741.8	1736.4	1741.3	1719.5	1716.6	1742.8	1768.6	1769.1
45°	1982.7	1979.3	1951.0	1923.8	1897.5	1886.6	1881.1	1895.5	1931.7	1955.5	1956.0
47.5°	2190.4	2181.0	2166.1	2144.3	2121.5	2110.6	2101.7	2108.6	2134.9	2144.3	2145.3
50°	2404.1	2406.1	2409.0	2400.6	2392.2	2388.7	2365.4	2352.0	2360.0	2342.6	2340.1
52.5°	2657.4	2661.3	2690.1	2714.4	2728.8	2736.2	2692.1	2646.0	2620.2	2586.5	2576.6
55°	2956.3	2962.7	3004.9	3072.3	3141.7	3178.3	3098.5	3012.3	2932.5	2869.5	2849.2
57.5°	3289.4	3300.8	3358.8	3488.1	3630.4	3717.2	3582.3	3425.7	3271.5	3180.8	3165.0
60°	3680.0	3690.9	3771.2	3956.6	4187.1	4317.4	4113.2	3856.9	3665.1	3578.4	3549.1
62.5°	4144.9	4145.9	4244.6	4461.2	4765.5	4946.9	4670.4	4327.8	4130.1	4025.5	3997.2
65°	4645.1	4647.6	4749.7	4983.6	5298.4	5495.7	5183.4	4826.5	4584.6	4430.4	4408.6
67.5°	4998.5	5008.9	5116.5	5398.0	5692.5	5870.4	5547.2	5143.7	4864.2	4680.3	4661.9
70°	4942.0	4982.6	5109.0	5437.7	5847.1	6100.9	5606.2	5106.1	4737.3	4520.2	4504.8
72.5°	4310.0	4387.8	4556.3	4987.6	5642.4	5991.9	5284.5	4573.2	4155.8	3970.9	3943.2
75°	2935.0	3061.4	3315.6	3937.7	4820.5	5187.9	4448.8	3646.3	3253.7	2997.9	2979.1
77.5°	1308.6	1337.4	1659.6	2375.8	3326.6	3725.6	3232.4	2385.2	1790.4	1428.1	1351.7
80°	364.8	369.3	492.7	884.8	1665.0	2189.0	1787.4	929.4	522.5	368.3	347.0
82.5°	116.0	125.9	153.7	229.5	559.6	998.8	574.5	247.8	176.5	140.8	126.9
85°	56.5	56.0	77.8	93.2	142.8	221.1	152.2	115.0	100.6	66.9	60.5
87.5°	23.8	24.3	36.2	32.7	41.6	35.7	49.1	51.6	54.0	29.7	25.8
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)