

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: P316166

Luminaire Tested: **GAN-SA2C-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316166  
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-SA2C-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15243 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

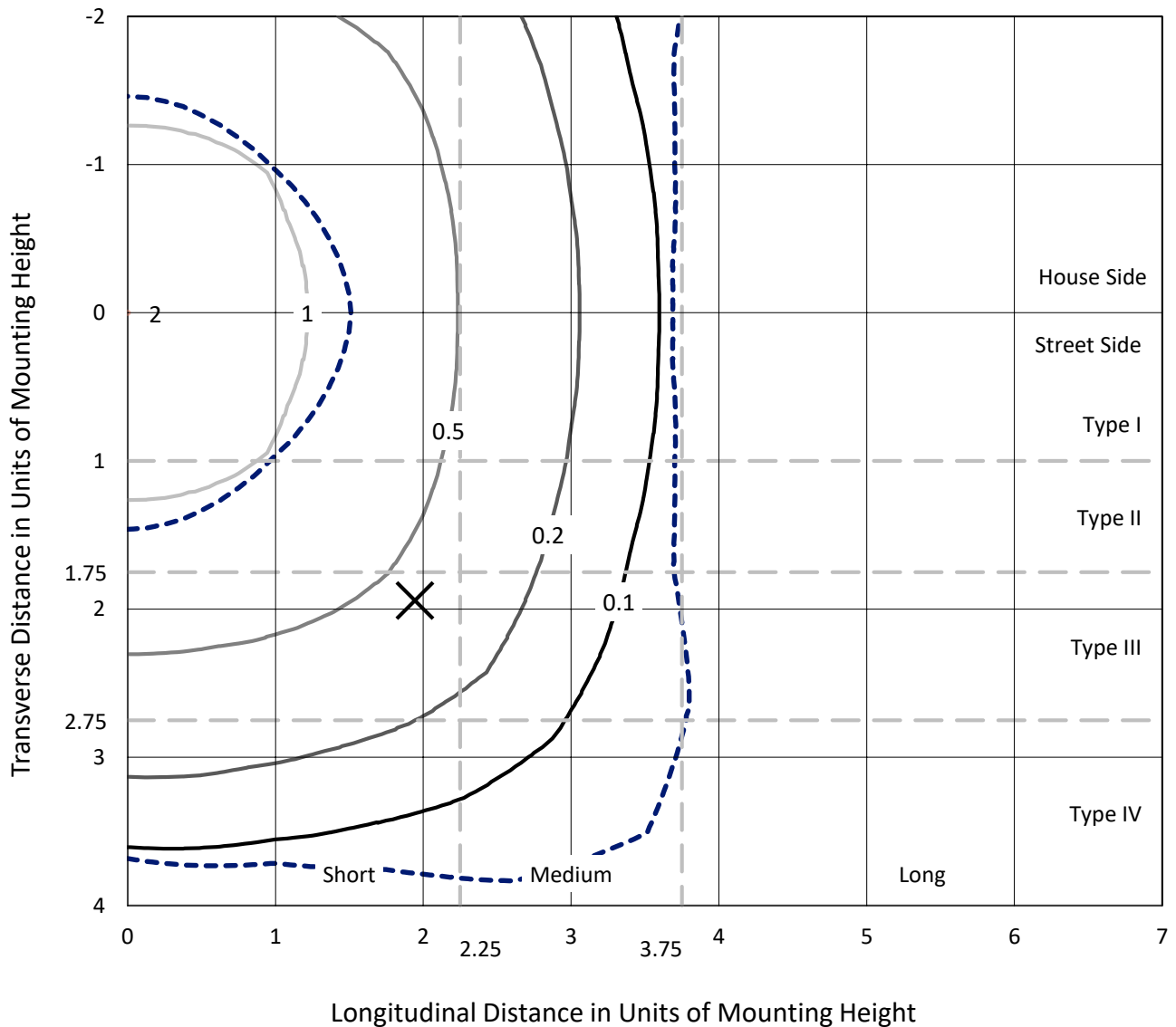
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

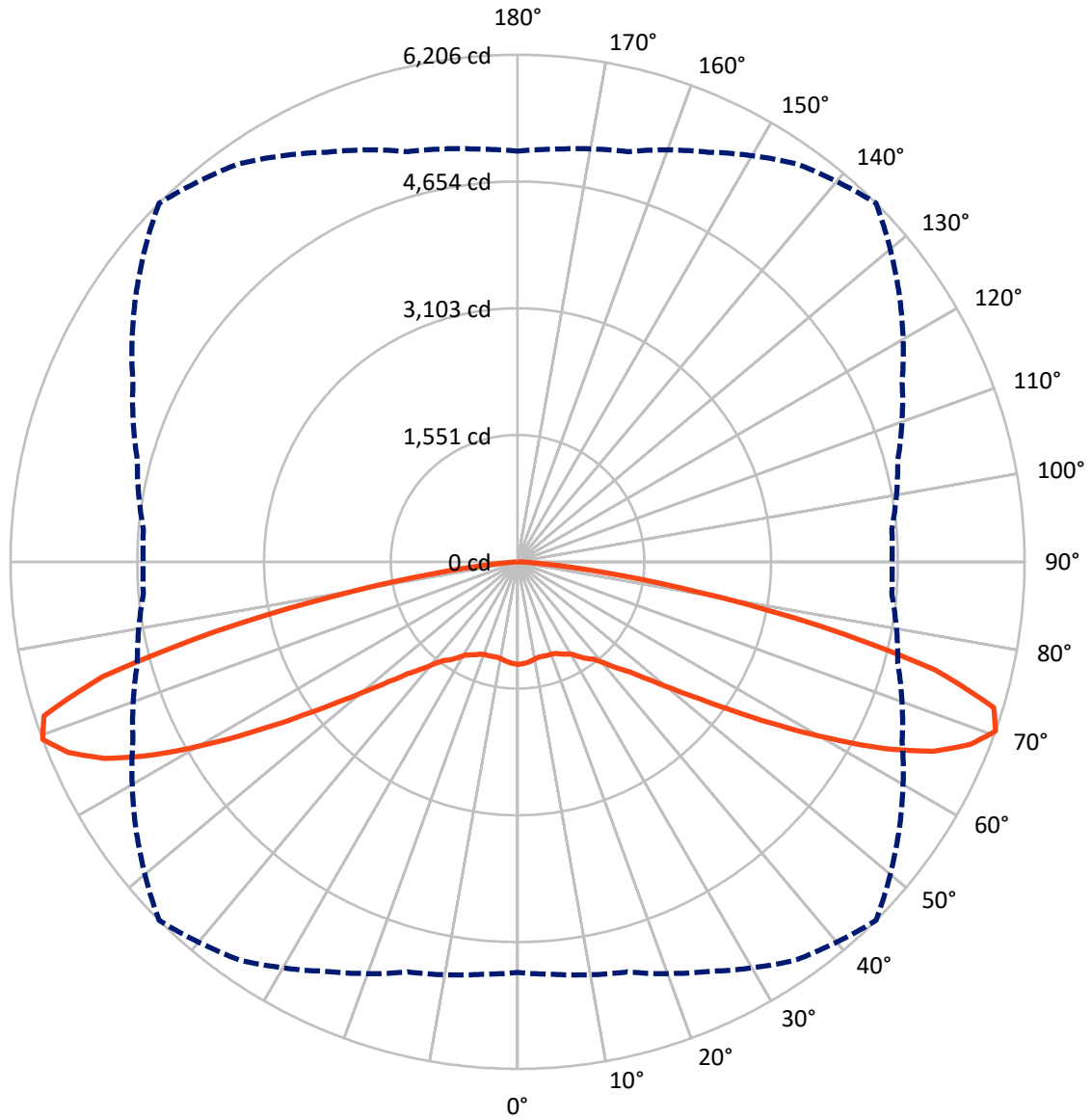
✕ Max cd  
 - - - 1/2 Max cd



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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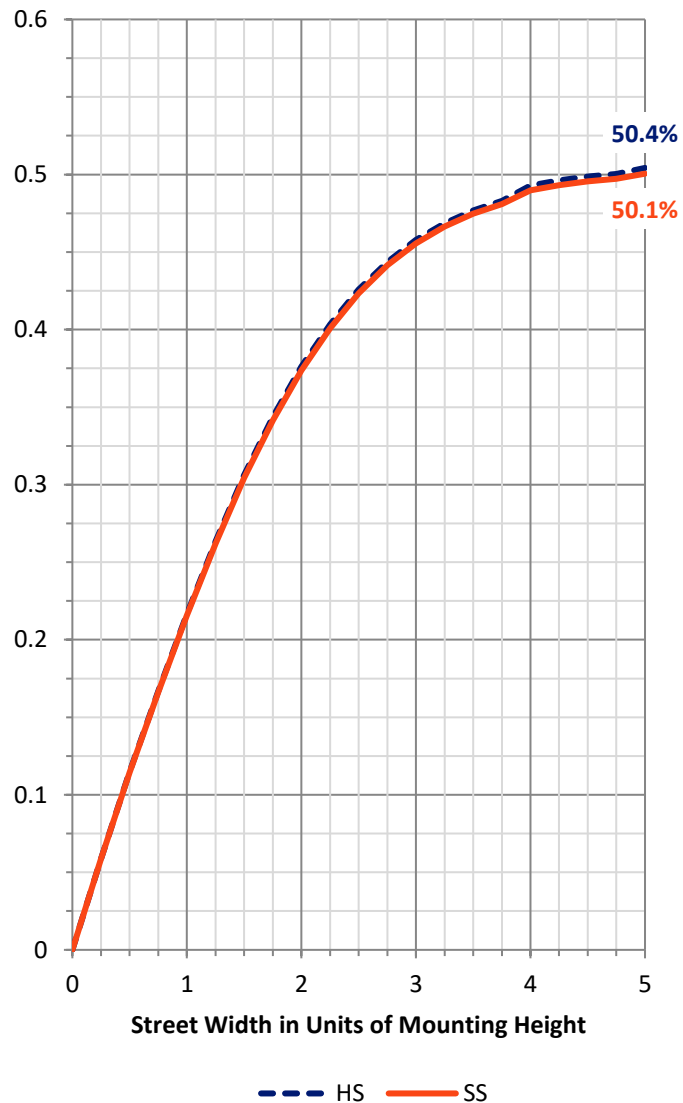
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7621.5	0.0	7621.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7621.5	0.0	7621.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15243.0	0.0	15243.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	0.8
10°-20°	342.0	2.2
20°-30°	583.1	3.8
30°-40°	911.1	6.0
40°-50°	1544.2	10.1
50°-60°	2815.9	18.5
60°-70°	4847.8	31.8
70°-80°	3799.9	24.9
80°-90°	281.8	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°	15243.0	100.0
0°-180°	15243.0	100.0

**Coefficient of Utilization**



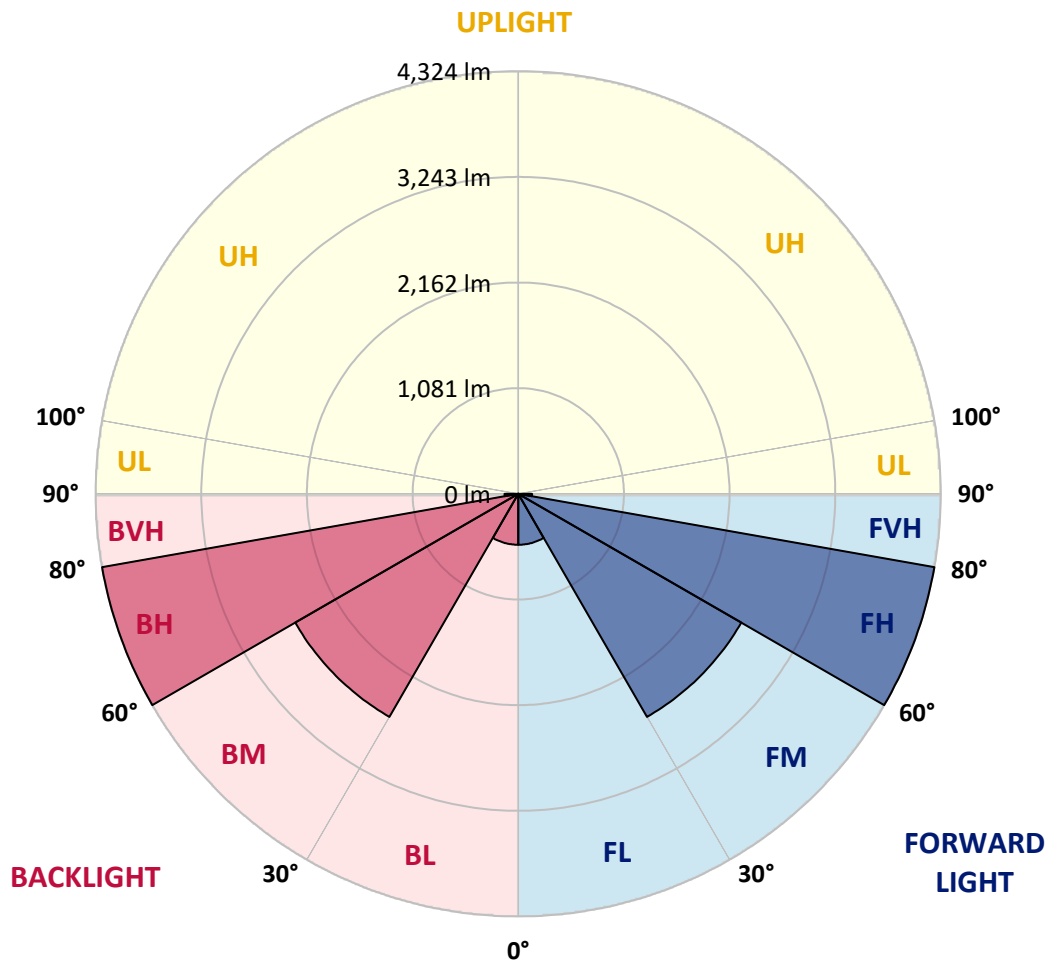
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.1	3.4			
FM (30°-60°)	2635.6	17.3			
FH (60°-80°)	4323.9	28.4			G2/5000
FVH (80°-90°)	140.9	0.9			G2/225
BL (0°-30°)	521.1	3.4	B2/1000		
BM (30°-60°)	2635.6	17.3	B3/5000		
BH (60°-80°)	4323.9	28.4	B4/5000		G2/5000
BVH (80°-90°)	140.9	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°	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5	1254.5
2.5°	1249.0	1250.5	1249.0	1250.0	1247.4	1248.5	1248.5	1248.5	1247.9	1248.5	1247.4
5°	1237.9	1238.9	1236.9	1237.9	1236.3	1237.9	1238.4	1237.9	1236.9	1237.4	1235.3
7.5°	1221.2	1222.2	1220.7	1222.2	1220.2	1222.7	1222.2	1220.7	1219.2	1219.2	1217.2
10°	1212.1	1212.7	1208.6	1207.1	1202.6	1203.6	1205.1	1206.6	1208.1	1211.1	1210.6
12.5°	1212.7	1212.7	1206.6	1200.0	1193.5	1195.0	1197.5	1203.1	1209.1	1214.7	1215.2
15°	1217.7	1217.2	1208.1	1197.5	1193.0	1197.5	1199.0	1202.6	1212.1	1221.7	1222.2
17.5°	1221.2	1221.2	1207.1	1195.0	1194.5	1201.6	1201.1	1202.6	1213.2	1227.3	1227.8
20°	1227.8	1227.8	1209.6	1196.5	1196.5	1204.1	1204.6	1207.1	1217.7	1233.3	1235.8
22.5°	1242.4	1242.9	1223.7	1213.2	1214.2	1218.7	1220.2	1224.2	1233.8	1251.0	1254.0
25°	1263.1	1264.1	1244.4	1238.4	1241.9	1250.5	1249.5	1252.5	1263.1	1279.7	1282.7
27.5°	1291.8	1289.3	1271.1	1268.6	1272.1	1278.2	1277.7	1278.2	1286.8	1301.9	1305.4
30°	1329.1	1328.1	1315.0	1316.5	1315.0	1313.0	1313.5	1317.5	1322.1	1334.2	1337.7
32.5°	1365.4	1366.4	1358.4	1365.9	1377.0	1384.6	1373.0	1361.9	1356.9	1363.4	1366.4
35°	1431.0	1433.5	1420.9	1415.9	1431.0	1453.2	1420.4	1402.2	1412.3	1420.9	1423.4
37.5°	1542.4	1543.9	1522.7	1502.6	1491.5	1512.7	1479.9	1481.4	1516.7	1532.8	1532.3
40°	1669.5	1670.0	1655.9	1638.2	1619.1	1624.1	1611.0	1615.0	1638.2	1652.8	1656.9
42.5°	1820.7	1819.2	1797.0	1771.8	1766.3	1771.3	1749.1	1746.1	1772.8	1799.1	1799.6
45°	2016.9	2013.4	1984.6	1956.9	1930.2	1919.1	1913.5	1928.1	1964.9	1989.2	1989.7
47.5°	2228.2	2218.6	2203.4	2181.3	2158.1	2147.0	2137.9	2145.0	2171.7	2181.3	2182.3
50°	2445.5	2447.5	2450.5	2441.9	2433.4	2429.8	2406.1	2392.5	2400.6	2382.9	2380.4
52.5°	2703.1	2707.2	2736.4	2761.1	2775.7	2783.3	2738.4	2691.5	2665.3	2631.0	2620.9
55°	3007.2	3013.7	3056.6	3125.2	3195.8	3233.1	3151.9	3064.1	2983.0	2918.9	2898.3
57.5°	3346.0	3357.6	3416.6	3548.2	3692.9	3781.2	3644.0	3484.7	3327.9	3235.6	3219.4
60°	3743.3	3754.4	3836.1	4024.7	4259.2	4391.8	4184.0	3923.3	3728.2	3640.0	3610.2
62.5°	4216.3	4217.3	4317.6	4538.0	4847.6	5032.1	4750.8	4402.4	4201.2	4094.8	4066.0
65°	4725.1	4727.6	4831.4	5069.4	5389.6	5590.3	5272.6	4909.6	4663.5	4506.7	4484.5
67.5°	5084.6	5095.1	5204.6	5491.0	5790.5	5971.5	5642.7	5232.3	4947.9	4760.9	4742.2
70°	5027.1	5068.4	5197.0	5531.3	5947.8	6205.9	5702.7	5194.0	4818.8	4598.0	4582.4
72.5°	4384.2	4463.4	4634.8	5073.5	5739.5	6095.0	5375.5	4651.9	4227.4	4039.3	4011.1
75°	2985.5	3114.1	3372.7	4005.5	4903.5	5277.2	4525.4	3709.0	3309.7	3049.5	3030.4
77.5°	1331.1	1360.4	1688.1	2416.7	3383.8	3789.7	3288.0	2426.3	1821.2	1452.7	1375.0
80°	371.1	375.6	501.2	900.0	1693.7	2226.6	1818.2	945.4	531.4	374.6	353.0
82.5°	118.0	128.1	156.3	233.5	569.3	1016.0	584.4	252.1	179.5	143.2	129.1
85°	57.5	57.0	79.2	94.8	145.2	224.9	154.8	117.0	102.4	68.1	61.5
87.5°	24.2	24.7	36.8	33.3	42.4	36.3	49.9	52.4	55.0	30.3	26.2
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)