

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: P316176

Luminaire Tested: **GAN-SA2D-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316176  
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-SA2D-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16723 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

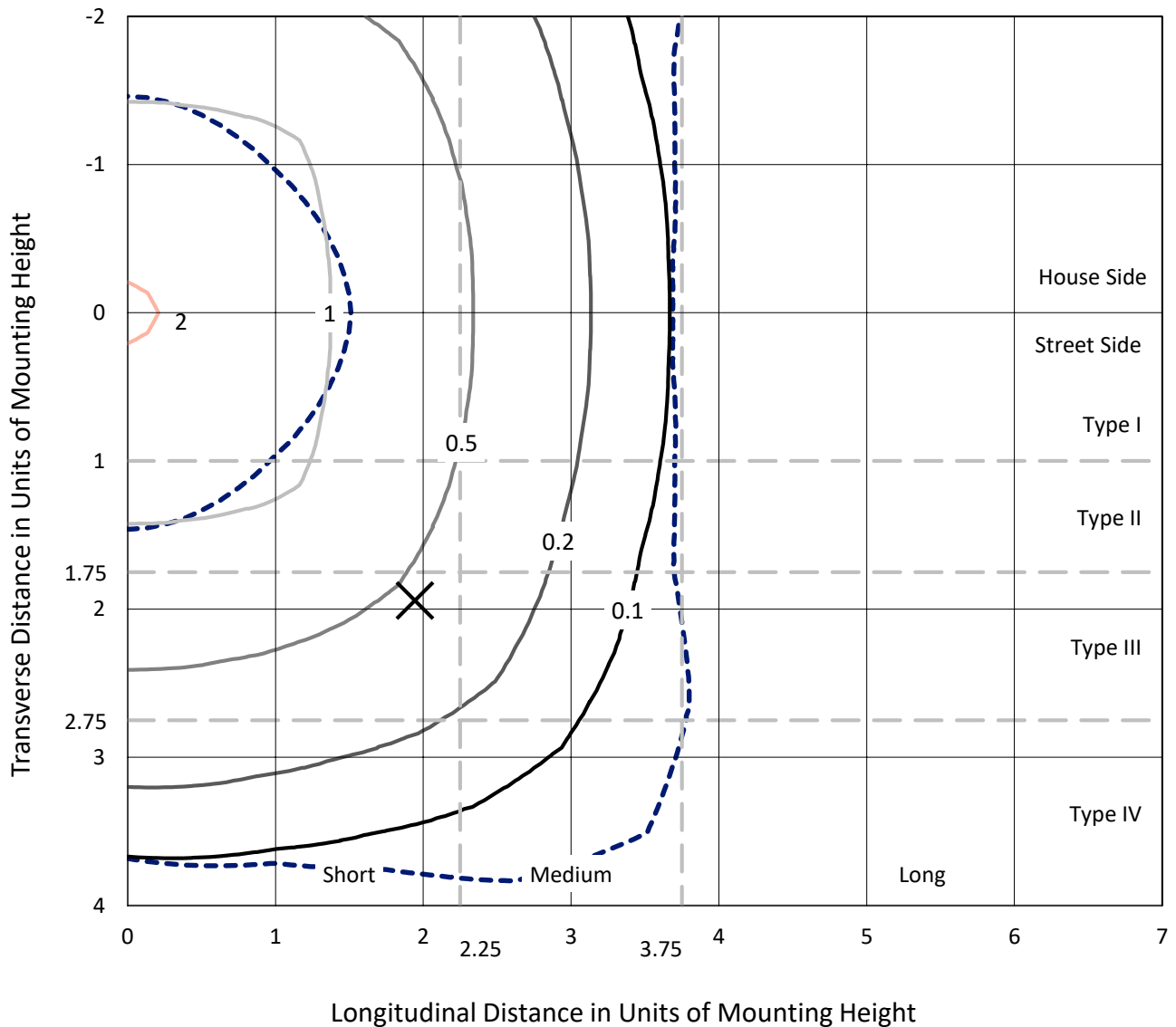
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

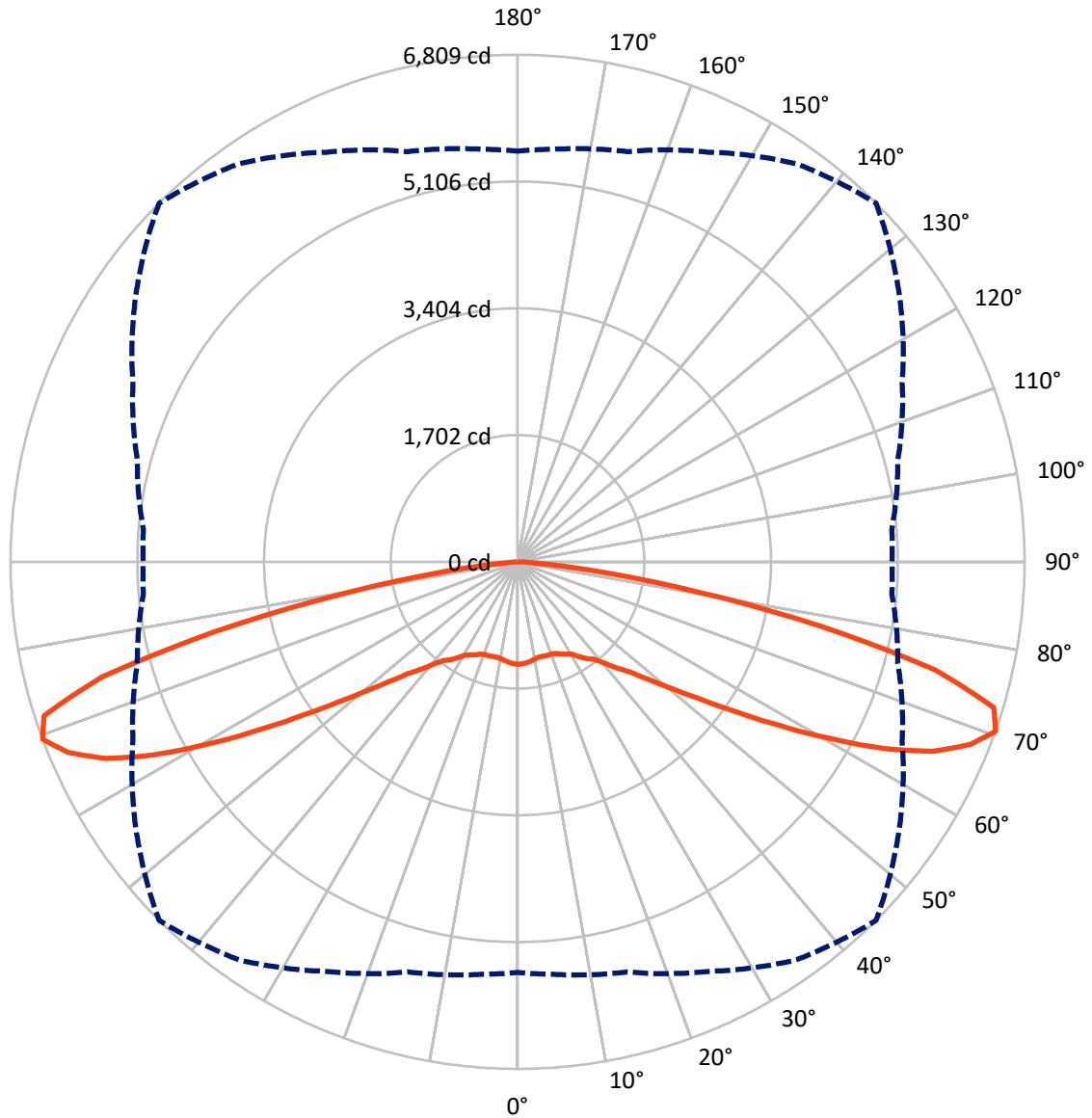
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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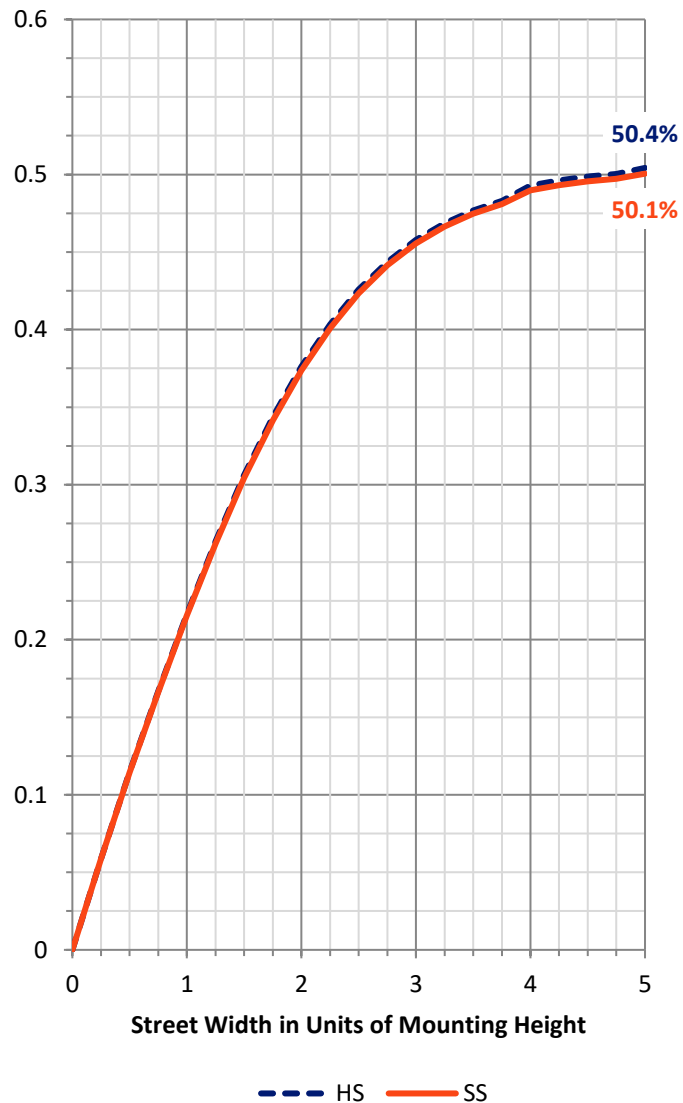
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8361.5	0.0	8361.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8361.5	0.0	8361.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16723.0	0.0	16723.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.5	0.8
10°-20°	375.2	2.2
20°-30°	639.7	3.8
30°-40°	999.6	6.0
40°-50°	1694.1	10.1
50°-60°	3089.4	18.5
60°-70°	5318.5	31.8
70°-80°	4168.9	24.9
80°-90°	309.1	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°	16723.0	100.0
0°-180°	16723.0	100.0

**Coefficient of Utilization**

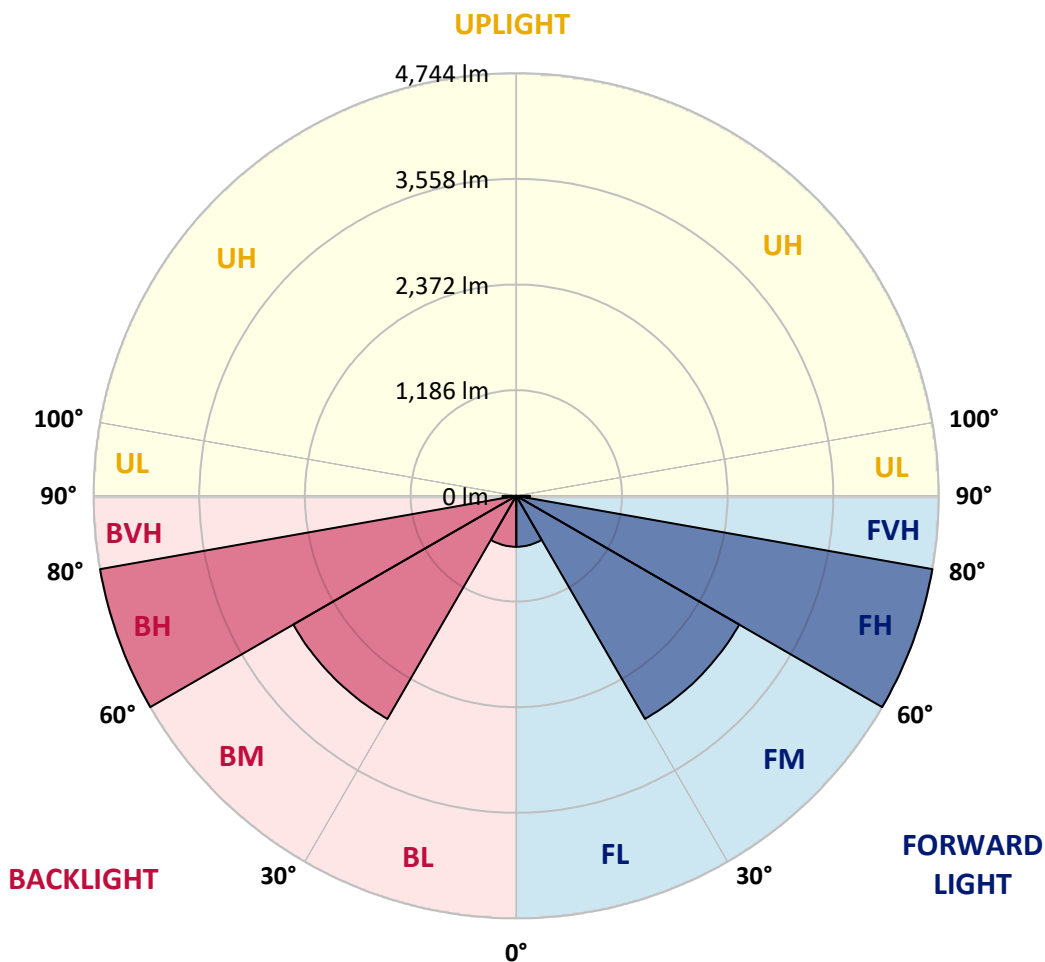


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.7	3.4			
FM (30°-60°)	2891.5	17.3			
FH (60°-80°)	4743.7	28.4			G2/5000
FVH (80°-90°)	154.6	0.9			G2/225
BL (0°-30°)	571.7	3.4	B2/1000		
BM (30°-60°)	2891.5	17.3	B3/5000		
BH (60°-80°)	4743.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	154.6	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°	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3	1376.3
2.5°	1370.2	1371.9	1370.2	1371.3	1368.6	1369.7	1369.7	1369.7	1369.1	1369.7	1368.6
5°	1358.1	1359.2	1356.9	1358.1	1356.4	1358.1	1358.6	1358.1	1356.9	1357.5	1355.3
7.5°	1339.8	1340.9	1339.2	1340.9	1338.7	1341.5	1340.9	1339.2	1337.6	1337.6	1335.4
10°	1329.8	1330.4	1326.0	1324.3	1319.3	1320.4	1322.1	1323.8	1325.4	1328.7	1328.2
12.5°	1330.4	1330.4	1323.8	1316.6	1309.4	1311.0	1313.8	1319.9	1326.5	1332.6	1333.2
15°	1335.9	1335.4	1325.4	1313.8	1308.8	1313.8	1315.5	1319.3	1329.8	1340.3	1340.9
17.5°	1339.8	1339.8	1324.3	1311.0	1310.5	1318.2	1317.7	1319.3	1330.9	1346.4	1347.0
20°	1347.0	1347.0	1327.1	1312.7	1312.7	1321.0	1321.5	1324.3	1335.9	1353.1	1355.8
22.5°	1363.0	1363.6	1342.6	1330.9	1332.1	1337.0	1338.7	1343.1	1353.6	1372.4	1375.8
25°	1385.7	1386.8	1365.2	1358.6	1362.5	1371.9	1370.8	1374.1	1385.7	1404.0	1407.3
27.5°	1417.2	1414.5	1394.6	1391.8	1395.7	1402.3	1401.8	1402.3	1411.7	1428.3	1432.2
30°	1458.2	1457.1	1442.7	1444.3	1442.7	1440.5	1441.0	1445.5	1450.4	1463.7	1467.6
32.5°	1498.0	1499.1	1490.3	1498.6	1510.7	1519.0	1506.3	1494.1	1488.6	1495.8	1499.1
35°	1569.9	1572.7	1558.9	1553.3	1569.9	1594.3	1558.3	1538.4	1549.4	1558.9	1561.6
37.5°	1692.2	1693.8	1670.6	1648.5	1636.3	1659.5	1623.6	1625.2	1664.0	1681.7	1681.1
40°	1831.6	1832.1	1816.6	1797.3	1776.3	1781.8	1767.4	1771.8	1797.3	1813.3	1817.7
42.5°	1997.5	1995.9	1971.5	1943.9	1937.8	1943.3	1919.0	1915.7	1945.0	1973.7	1974.3
45°	2212.7	2208.8	2177.3	2146.9	2117.6	2105.4	2099.3	2115.4	2155.7	2182.3	2182.8
47.5°	2444.5	2434.0	2417.4	2393.0	2367.6	2355.4	2345.5	2353.2	2382.5	2393.0	2394.2
50°	2682.9	2685.1	2688.4	2679.0	2669.6	2665.8	2639.8	2624.8	2633.7	2614.3	2611.6
52.5°	2965.6	2970.0	3002.1	3029.2	3045.2	3053.5	3004.3	2952.9	2924.1	2886.5	2875.4
55°	3299.1	3306.3	3353.4	3428.6	3506.0	3547.0	3457.9	3361.7	3272.6	3202.3	3179.7
57.5°	3670.9	3683.6	3748.3	3892.7	4051.5	4148.3	3997.8	3823.0	3651.0	3549.7	3532.0
60°	4106.8	4119.0	4208.6	4415.5	4672.7	4818.2	4590.3	4304.3	4090.2	3993.4	3960.7
62.5°	4625.7	4626.8	4736.9	4978.6	5318.2	5520.7	5212.0	4829.8	4609.1	4492.4	4460.8
65°	5183.8	5186.6	5300.5	5561.6	5912.9	6133.1	5784.6	5386.3	5116.3	4944.3	4920.0
67.5°	5578.2	5589.9	5709.9	6024.1	6352.7	6551.3	6190.6	5740.3	5428.3	5223.1	5202.6
70°	5515.2	5560.5	5701.6	6068.4	6525.3	6808.5	6256.4	5698.3	5286.7	5044.4	5027.3
72.5°	4809.9	4896.7	5084.8	5566.1	6296.8	6686.8	5897.4	5103.6	4637.8	4431.5	4400.5
75°	3275.4	3416.4	3700.2	4394.4	5379.6	5789.6	4964.8	4069.2	3631.1	3345.6	3324.6
77.5°	1460.4	1492.5	1852.0	2651.4	3712.4	4157.7	3607.3	2661.9	1998.1	1593.7	1508.5
80°	407.1	412.1	549.9	987.4	1858.1	2442.8	1994.8	1037.2	583.0	411.0	387.2
82.5°	129.4	140.5	171.5	256.1	624.5	1114.7	641.1	276.6	196.9	157.1	141.6
85°	63.1	62.5	86.8	104.0	159.3	246.7	169.8	128.3	112.3	74.7	67.5
87.5°	26.6	27.1	40.4	36.5	46.5	39.8	54.8	57.5	60.3	33.2	28.8
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)