

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: P316165

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316165
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-SA1C-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7800 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

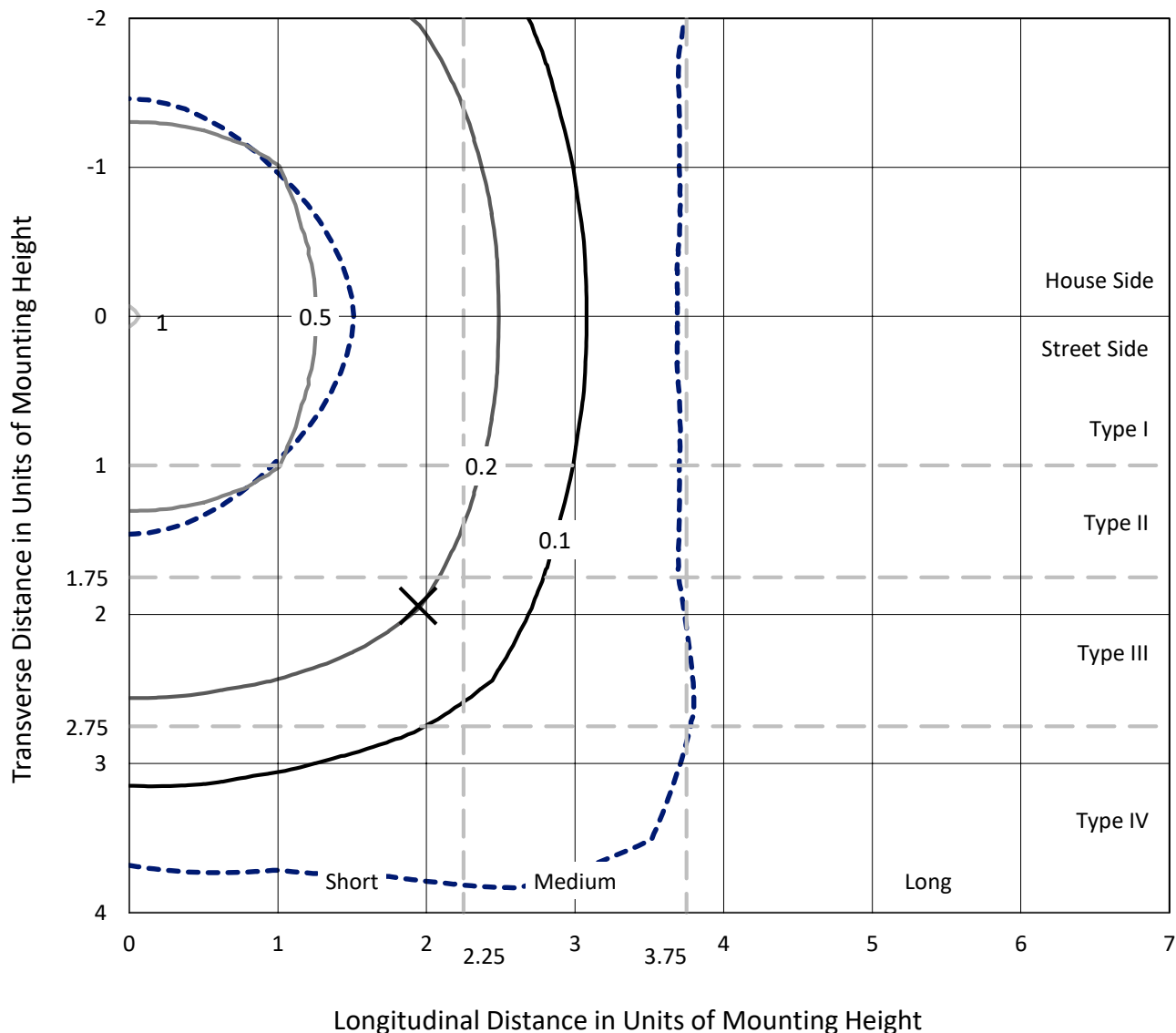
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

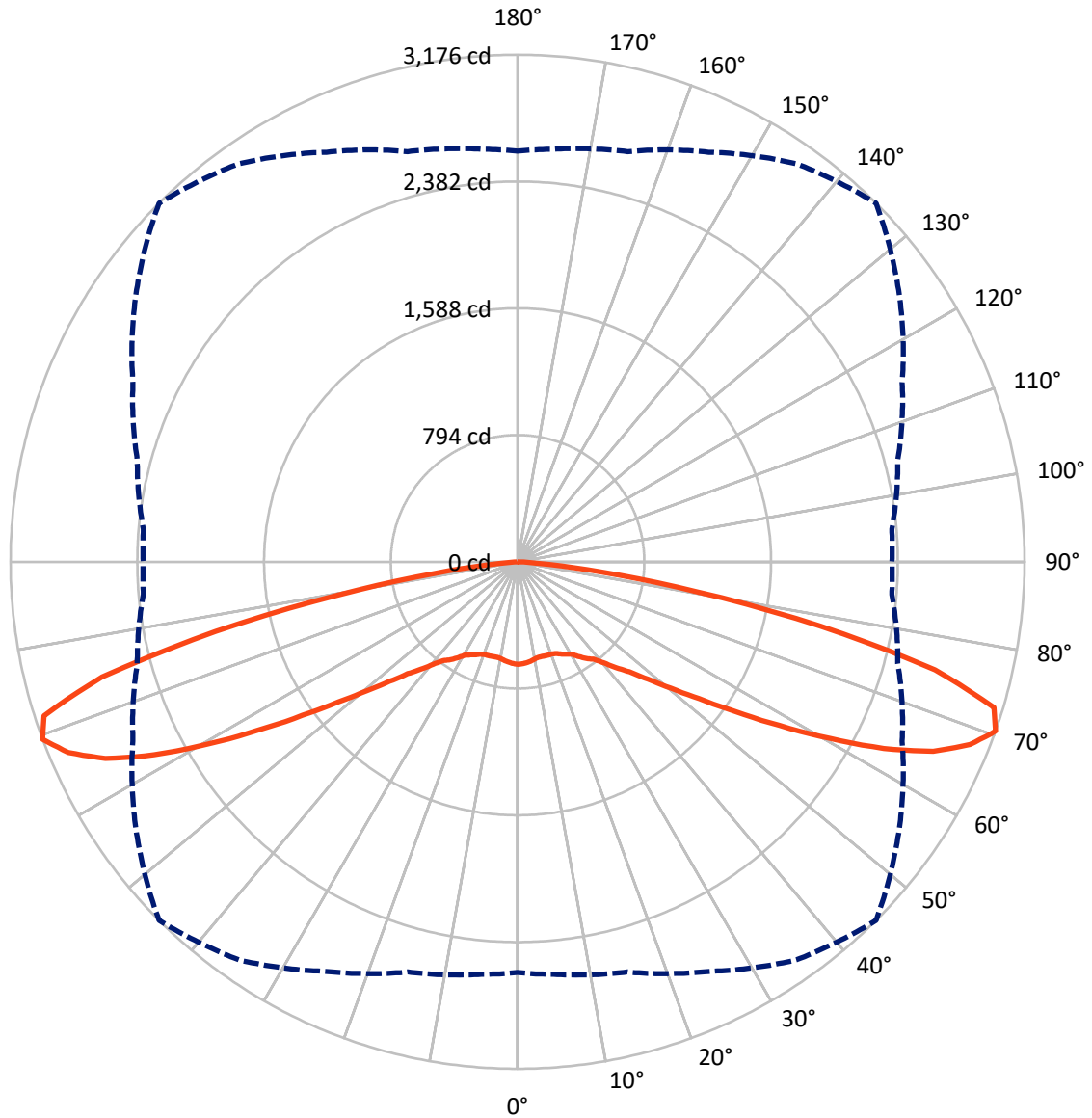
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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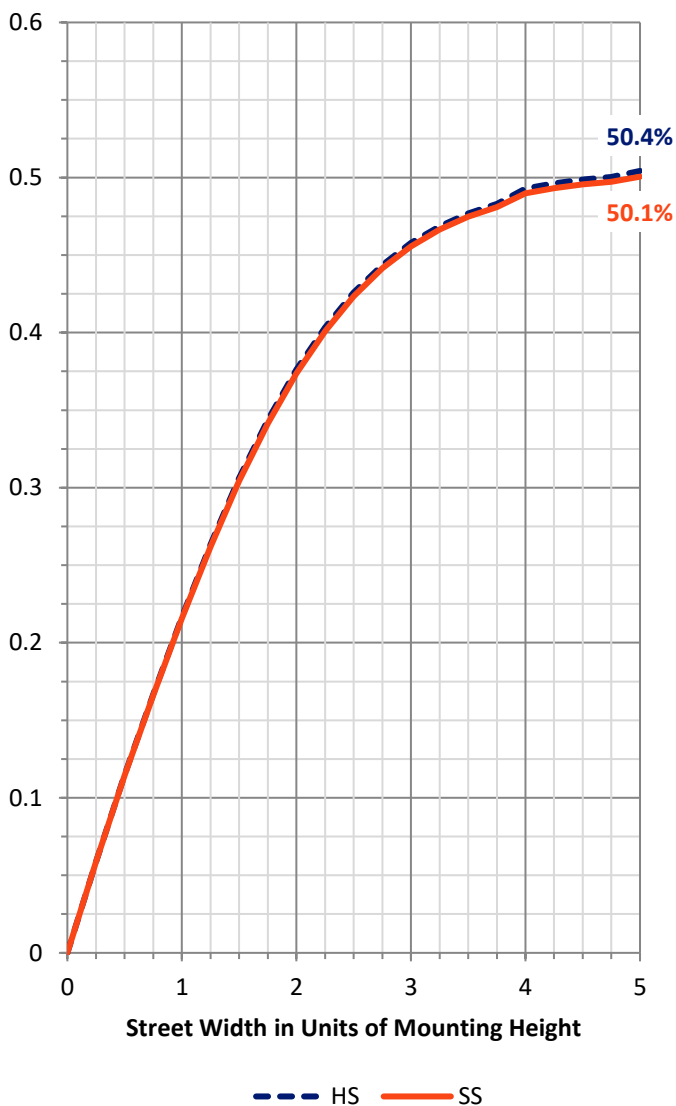
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3900.0	0.0	3900.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3900.0	0.0	3900.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7800.0	0.0	7800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	0.8
10°-20°	175.0	2.2
20°-30°	298.4	3.8
30°-40°	466.2	6.0
40°-50°	790.2	10.1
50°-60°	1441.0	18.5
60°-70°	2480.7	31.8
70°-80°	1944.5	24.9
80°-90°	144.2	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°	7800.0	100.0
0°-180°	7800.0	100.0

Coefficient of Utilization

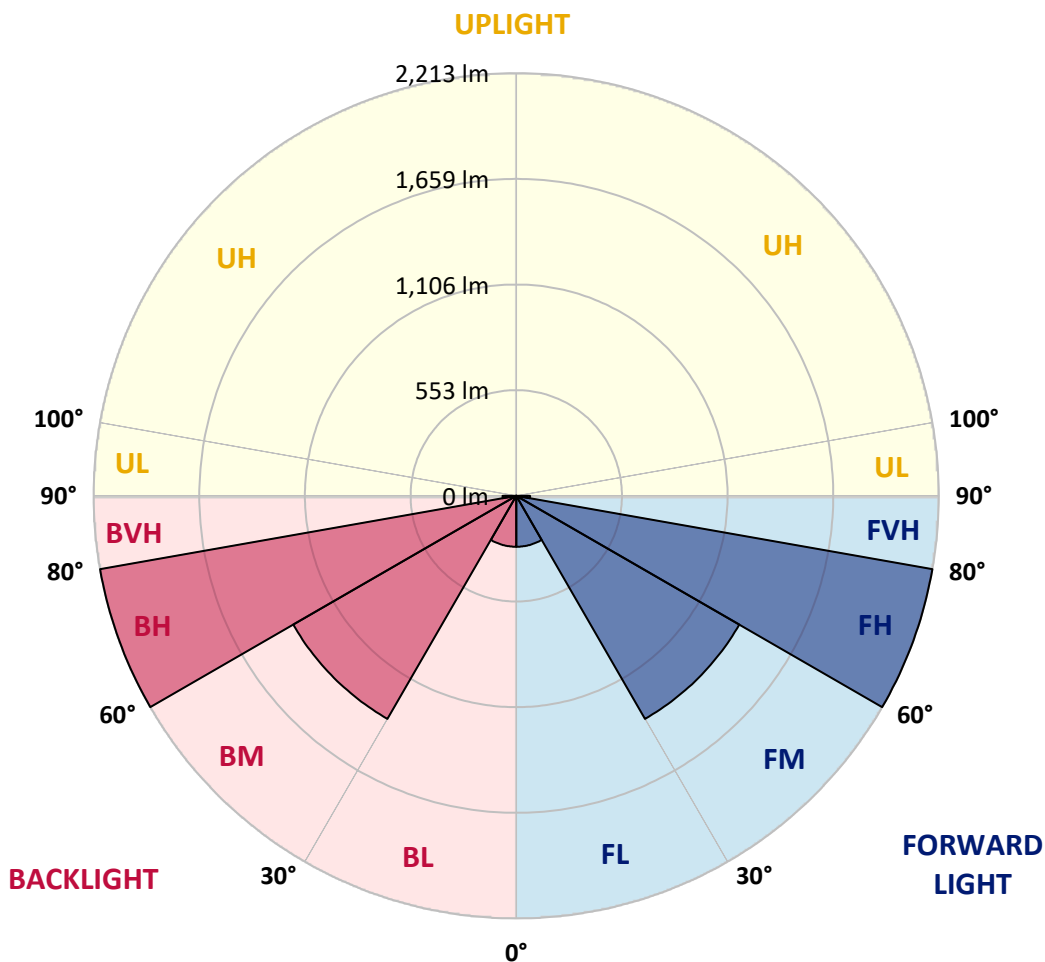


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.7	3.4			
FM (30°-60°)	1348.7	17.3			
FH (60°-80°)	2212.6	28.4			G2/5000
FVH (80°-90°)	72.1	0.9			G1/100
BL (0°-30°)	266.7	3.4	B1/500		
BM (30°-60°)	1348.7	17.3	B2/2500		
BH (60°-80°)	2212.6	28.4	B3/2500		G2/5000
BVH (80°-90°)	72.1	0.9			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°	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9
2.5°	639.1	639.9	639.1	639.6	638.3	638.8	638.8	638.8	638.6	638.8	638.3
5°	633.4	633.9	632.9	633.4	632.7	633.4	633.7	633.4	632.9	633.2	632.1
7.5°	624.9	625.4	624.7	625.4	624.4	625.7	625.4	624.7	623.9	623.9	622.8
10°	620.3	620.5	618.5	617.7	615.4	615.9	616.7	617.4	618.2	619.8	619.5
12.5°	620.5	620.5	617.4	614.1	610.7	611.5	612.8	615.6	618.7	621.6	621.8
15°	623.1	622.8	618.2	612.8	610.5	612.8	613.6	615.4	620.3	625.2	625.4
17.5°	624.9	624.9	617.7	611.5	611.2	614.8	614.6	615.4	620.8	628.0	628.3
20°	628.3	628.3	619.0	612.3	612.3	616.1	616.4	617.7	623.1	631.1	632.4
22.5°	635.7	636.0	626.2	620.8	621.3	623.6	624.4	626.5	631.4	640.1	641.7
25°	646.3	646.8	636.8	633.7	635.5	639.9	639.4	640.9	646.3	654.8	656.4
27.5°	661.0	659.7	650.5	649.2	651.0	654.1	653.8	654.1	658.5	666.2	668.0
30°	680.1	679.6	672.9	673.7	672.9	671.9	672.1	674.2	676.5	682.7	684.5
32.5°	698.7	699.2	695.1	699.0	704.6	708.5	702.6	696.9	694.3	697.7	699.2
35°	732.2	733.5	727.1	724.5	732.2	743.6	726.8	717.5	722.7	727.1	728.4
37.5°	789.3	790.0	779.2	768.9	763.2	774.0	757.3	758.0	776.1	784.4	784.1
40°	854.3	854.5	847.3	838.3	828.5	831.1	824.4	826.4	838.3	845.8	847.8
42.5°	931.7	930.9	919.6	906.7	903.8	906.4	895.1	893.5	907.2	920.6	920.9
45°	1032.1	1030.3	1015.5	1001.4	987.7	982.0	979.2	986.6	1005.5	1017.9	1018.1
47.5°	1140.2	1135.3	1127.5	1116.2	1104.3	1098.6	1094.0	1097.6	1111.3	1116.2	1116.7
50°	1251.4	1252.4	1254.0	1249.6	1245.2	1243.4	1231.2	1224.3	1228.4	1219.4	1218.1
52.5°	1383.2	1385.3	1400.2	1412.9	1420.4	1424.2	1401.3	1377.3	1363.9	1346.3	1341.2
55°	1538.8	1542.2	1564.1	1599.2	1635.3	1654.4	1612.9	1568.0	1526.4	1493.6	1483.1
57.5°	1712.2	1718.1	1748.3	1815.7	1889.7	1934.9	1864.7	1783.1	1702.9	1655.7	1647.4
60°	1915.5	1921.2	1963.0	2059.5	2179.5	2247.3	2141.0	2007.6	1907.8	1862.6	1847.4
62.5°	2157.5	2158.0	2209.4	2322.1	2480.6	2575.0	2431.0	2252.7	2149.8	2095.3	2080.6
65°	2417.9	2419.1	2472.3	2594.1	2757.9	2860.6	2698.1	2512.3	2386.4	2306.1	2294.8
67.5°	2601.8	2607.2	2663.2	2809.8	2963.0	3055.7	2887.4	2677.4	2531.9	2436.2	2426.6
70°	2572.4	2593.6	2659.4	2830.4	3043.5	3175.6	2918.1	2657.8	2465.8	2352.8	2344.8
72.5°	2243.4	2283.9	2371.7	2596.1	2937.0	3118.9	2750.7	2380.4	2163.2	2067.0	2052.5
75°	1527.7	1593.5	1725.9	2049.7	2509.2	2700.4	2315.7	1898.0	1693.6	1560.5	1550.7
77.5°	681.2	696.1	863.8	1236.7	1731.5	1939.2	1682.5	1241.6	931.9	743.3	703.6
80°	189.9	192.2	256.5	460.6	866.7	1139.4	930.4	483.8	271.9	191.7	180.6
82.5°	60.4	65.5	80.0	119.5	291.3	519.9	299.0	129.0	91.9	73.3	66.1
85°	29.4	29.2	40.5	48.5	74.3	115.1	79.2	59.9	52.4	34.8	31.5
87.5°	12.4	12.6	18.8	17.0	21.7	18.6	25.5	26.8	28.1	15.5	13.4
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)