

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: P316135

Luminaire Tested: **GAN-SA1D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316135
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-SA1D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7792 lumens
Efficiency: N/A
Efficacy: 116.3 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

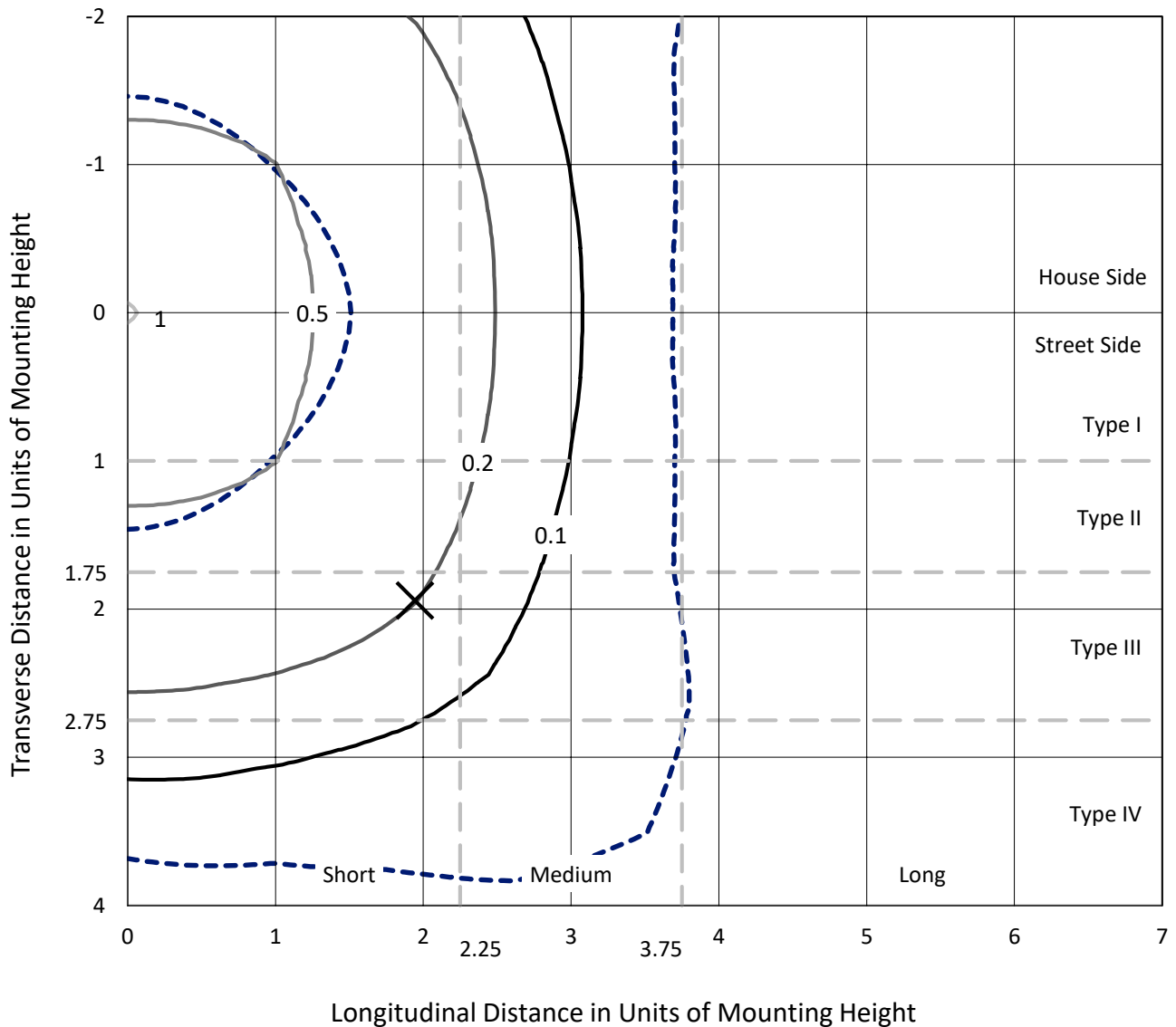
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

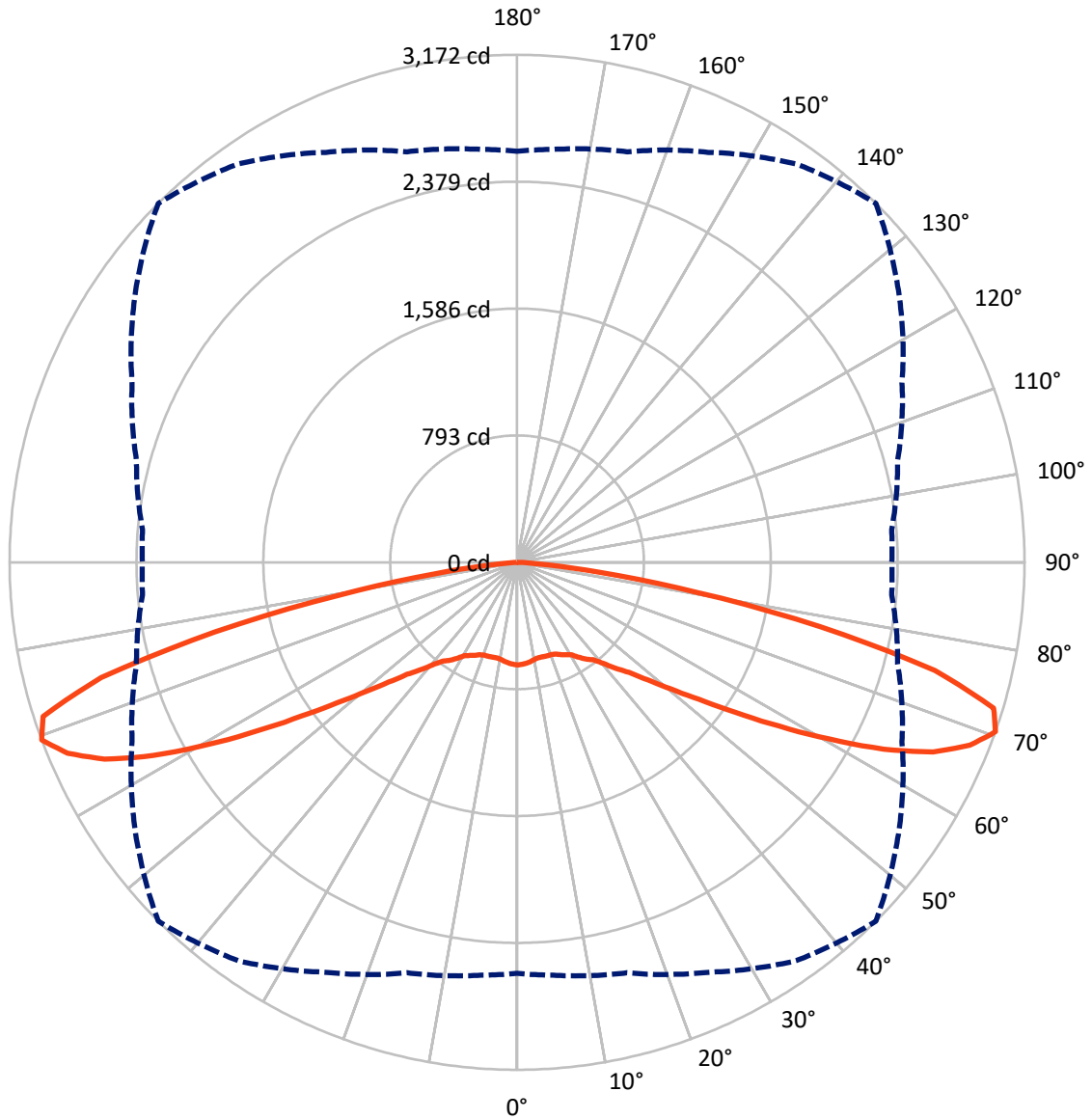
× Max cd
 - - - 1/2 Max cd



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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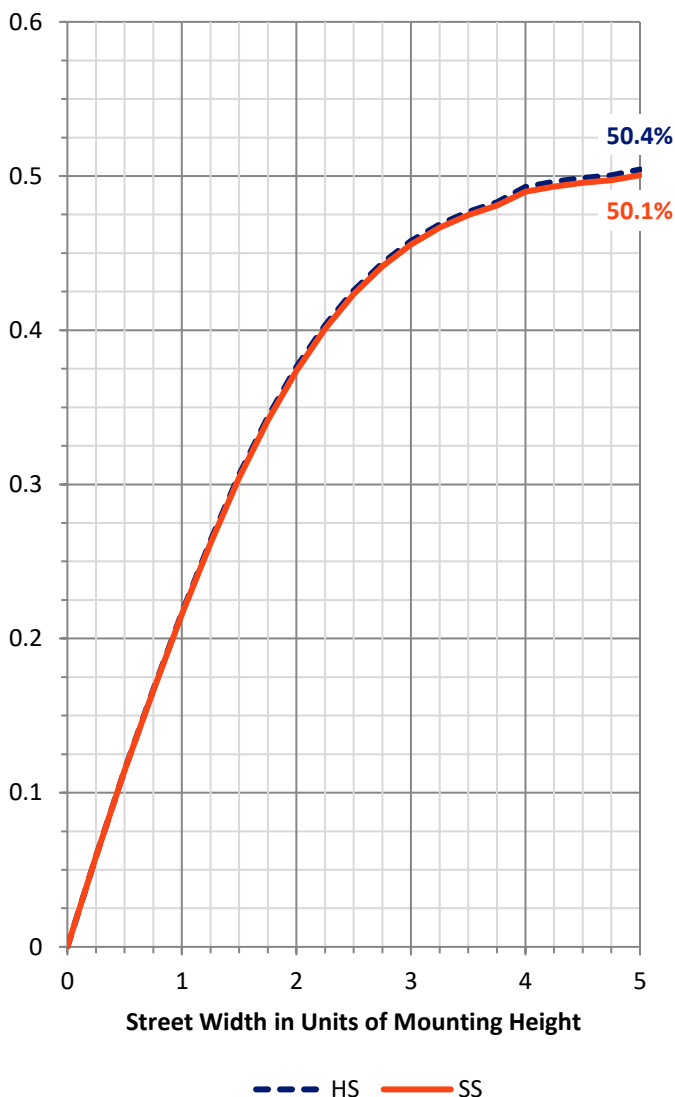
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3896.0	0.0	3896.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3896.0	0.0	3896.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7792.0	0.0	7792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	0.8
10°-20°	174.8	2.2
20°-30°	298.1	3.8
30°-40°	465.8	6.0
40°-50°	789.4	10.1
50°-60°	1439.5	18.5
60°-70°	2478.1	31.8
70°-80°	1942.5	24.9
80°-90°	144.0	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°	7792.0	100.0
0°-180°	7792.0	100.0

Coefficient of Utilization

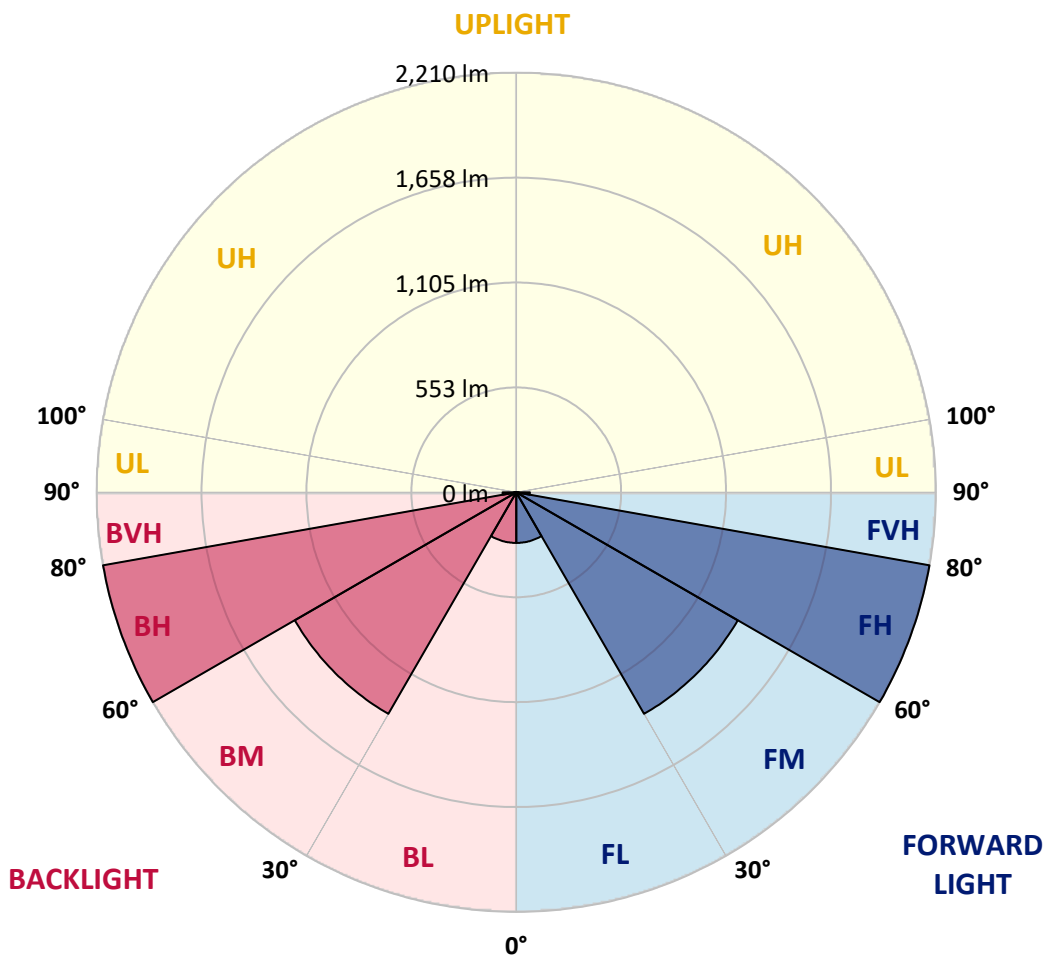


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.4	3.4			
FM (30°-60°)	1347.3	17.3			
FH (60°-80°)	2210.3	28.4			G2/5000
FVH (80°-90°)	72.0	0.9			G1/100
BL (0°-30°)	266.4	3.4	B1/500		
BM (30°-60°)	1347.3	17.3	B2/2500		
BH (60°-80°)	2210.3	28.4	B3/2500		G2/5000
BVH (80°-90°)	72.0	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°	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3
2.5°	638.4	639.2	638.4	639.0	637.7	638.2	638.2	638.2	637.9	638.2	637.7
5°	632.8	633.3	632.3	632.8	632.0	632.8	633.0	632.8	632.3	632.5	631.5
7.5°	624.3	624.8	624.0	624.8	623.8	625.0	624.8	624.0	623.2	623.2	622.2
10°	619.6	619.9	617.8	617.1	614.7	615.2	616.0	616.8	617.6	619.1	618.9
12.5°	619.9	619.9	616.8	613.4	610.1	610.9	612.2	615.0	618.1	620.9	621.2
15°	622.5	622.2	617.6	612.2	609.8	612.2	612.9	614.7	619.6	624.5	624.8
17.5°	624.3	624.3	617.1	610.9	610.6	614.2	614.0	614.7	620.1	627.4	627.6
20°	627.6	627.6	618.3	611.6	611.6	615.5	615.8	617.1	622.5	630.5	631.7
22.5°	635.1	635.4	625.6	620.1	620.7	623.0	623.8	625.8	630.7	639.5	641.0
25°	645.7	646.2	636.1	633.0	634.8	639.2	638.7	640.3	645.7	654.2	655.7
27.5°	660.4	659.1	649.8	648.5	650.3	653.4	653.1	653.4	657.8	665.5	667.3
30°	679.4	678.9	672.2	673.0	672.2	671.2	671.4	673.5	675.8	682.0	683.8
32.5°	698.0	698.5	694.4	698.2	703.9	707.8	701.9	696.2	693.6	697.0	698.5
35°	731.5	732.8	726.3	723.8	731.5	742.8	726.1	716.8	722.0	726.3	727.6
37.5°	788.5	789.2	778.4	768.1	762.4	773.3	756.5	757.3	775.3	783.6	783.3
40°	853.4	853.7	846.5	837.4	827.6	830.2	823.5	825.6	837.4	844.9	847.0
42.5°	930.7	930.0	918.6	905.7	902.9	905.5	894.1	892.6	906.2	919.7	919.9
45°	1031.0	1029.2	1014.5	1000.3	986.7	981.0	978.2	985.6	1004.5	1016.8	1017.1
47.5°	1139.0	1134.1	1126.4	1115.0	1103.2	1097.5	1092.9	1096.5	1110.1	1115.0	1115.5
50°	1250.1	1251.1	1252.7	1248.3	1243.9	1242.1	1230.0	1223.0	1227.1	1218.1	1216.8
52.5°	1381.8	1383.9	1398.8	1411.4	1418.9	1422.8	1399.8	1375.9	1362.5	1344.9	1339.8
55°	1537.2	1540.6	1562.5	1597.5	1633.6	1652.7	1611.2	1566.3	1524.9	1492.1	1481.5
57.5°	1710.4	1716.4	1746.5	1813.8	1887.8	1932.9	1862.8	1781.3	1701.2	1654.0	1645.7
60°	1913.5	1919.2	1961.0	2057.4	2177.2	2245.0	2138.8	2005.6	1905.8	1860.7	1845.5
62.5°	2155.3	2155.8	2207.1	2319.8	2478.0	2572.3	2428.5	2250.4	2147.6	2093.2	2078.5
65°	2415.4	2416.7	2469.8	2591.4	2755.1	2857.7	2695.3	2509.7	2383.9	2303.8	2292.4
67.5°	2599.2	2604.6	2660.5	2806.9	2960.0	3052.5	2884.5	2674.7	2529.3	2433.7	2424.1
70°	2569.8	2590.9	2656.6	2827.5	3040.4	3172.4	2915.2	2655.1	2463.3	2350.4	2342.4
72.5°	2241.1	2281.6	2369.2	2593.5	2934.0	3115.7	2747.9	2378.0	2161.0	2064.8	2050.4
75°	1526.1	1591.9	1724.1	2047.6	2506.6	2697.6	2313.3	1896.0	1691.9	1558.9	1549.1
77.5°	680.5	695.4	862.9	1235.4	1729.8	1937.3	1680.8	1240.3	931.0	742.6	702.9
80°	189.7	192.0	256.2	460.1	865.8	1138.2	929.4	483.3	271.7	191.5	180.4
82.5°	60.3	65.5	79.9	119.3	291.0	519.4	298.7	128.9	91.8	73.2	66.0
85°	29.4	29.1	40.5	48.5	74.2	115.0	79.1	59.8	52.3	34.8	31.4
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)