

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: P316095

Luminaire Tested: **GAN-SA1D-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316095
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156 lumens
Efficiency: N/A
Efficacy: 106.8 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

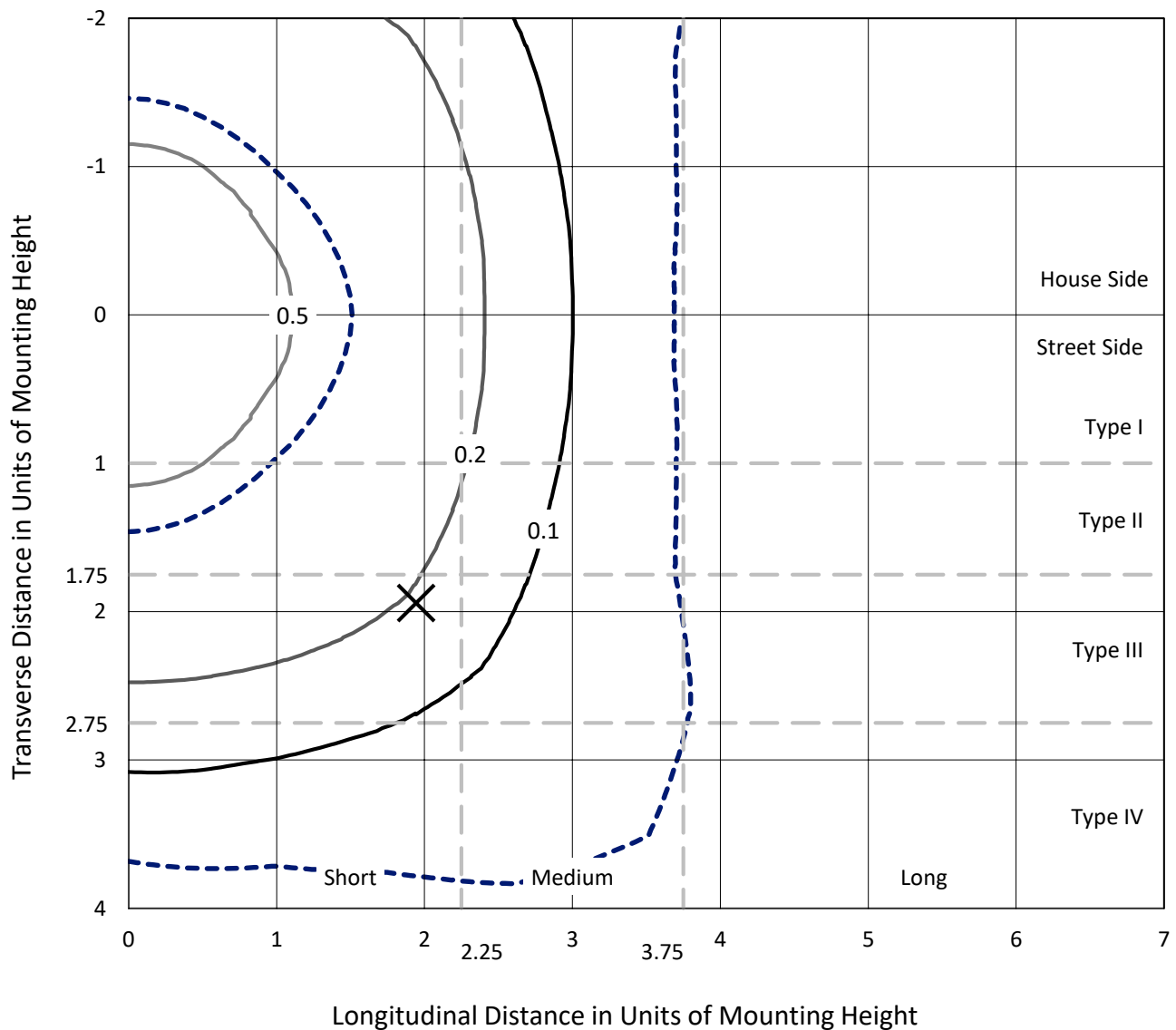
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

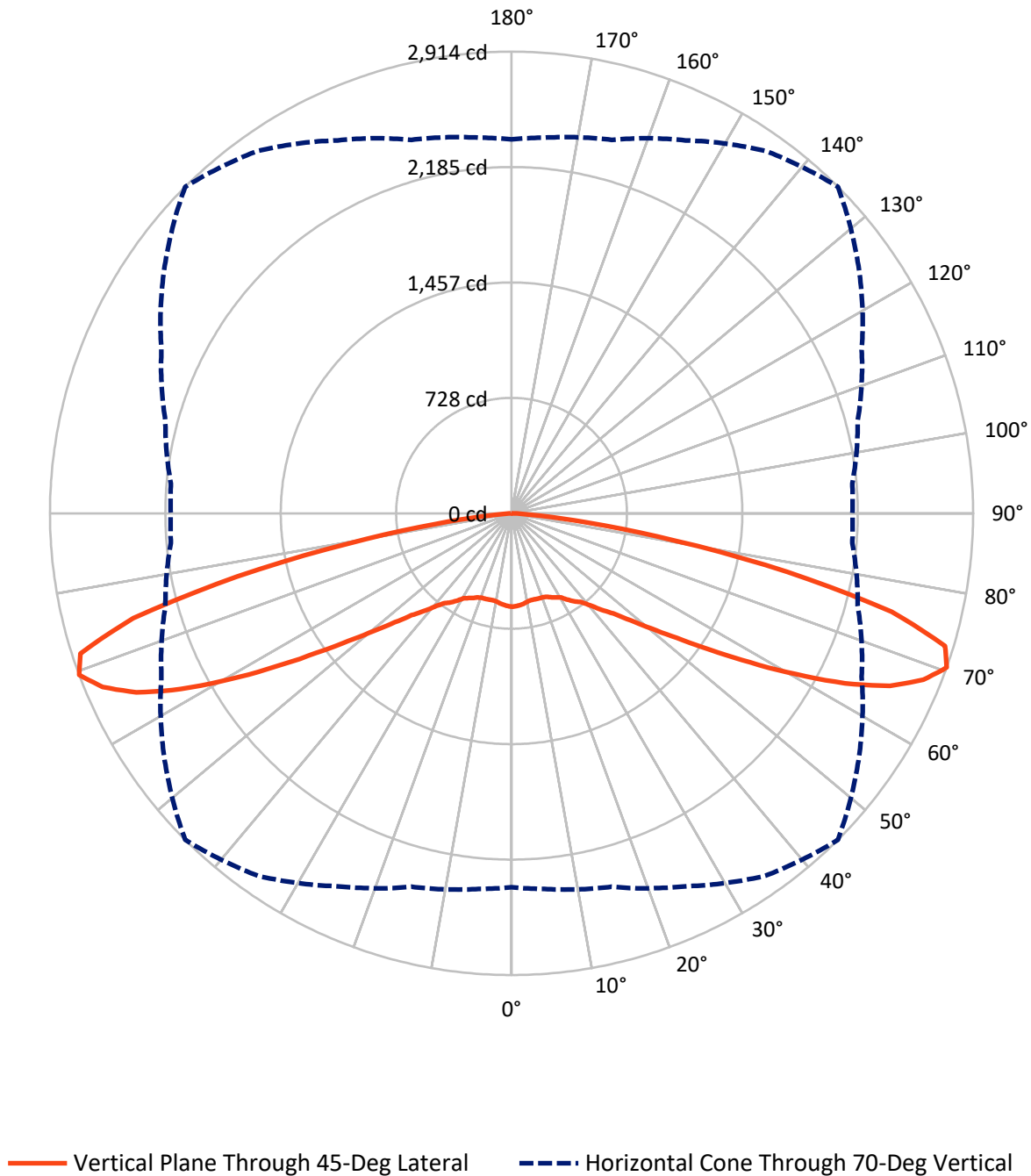
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3578.0	0.0	3578.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3578.0	0.0	3578.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7156.0	0.0	7156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	0.8
10°-20°	160.6	2.2
20°-30°	273.8	3.8
30°-40°	427.8	6.0
40°-50°	724.9	10.1
50°-60°	1322.0	18.5
60°-70°	2275.9	31.8
70°-80°	1783.9	24.9
80°-90°	132.3	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°	7156.0	100.0
0°-180°	7156.0	100.0

Coefficient of Utilization



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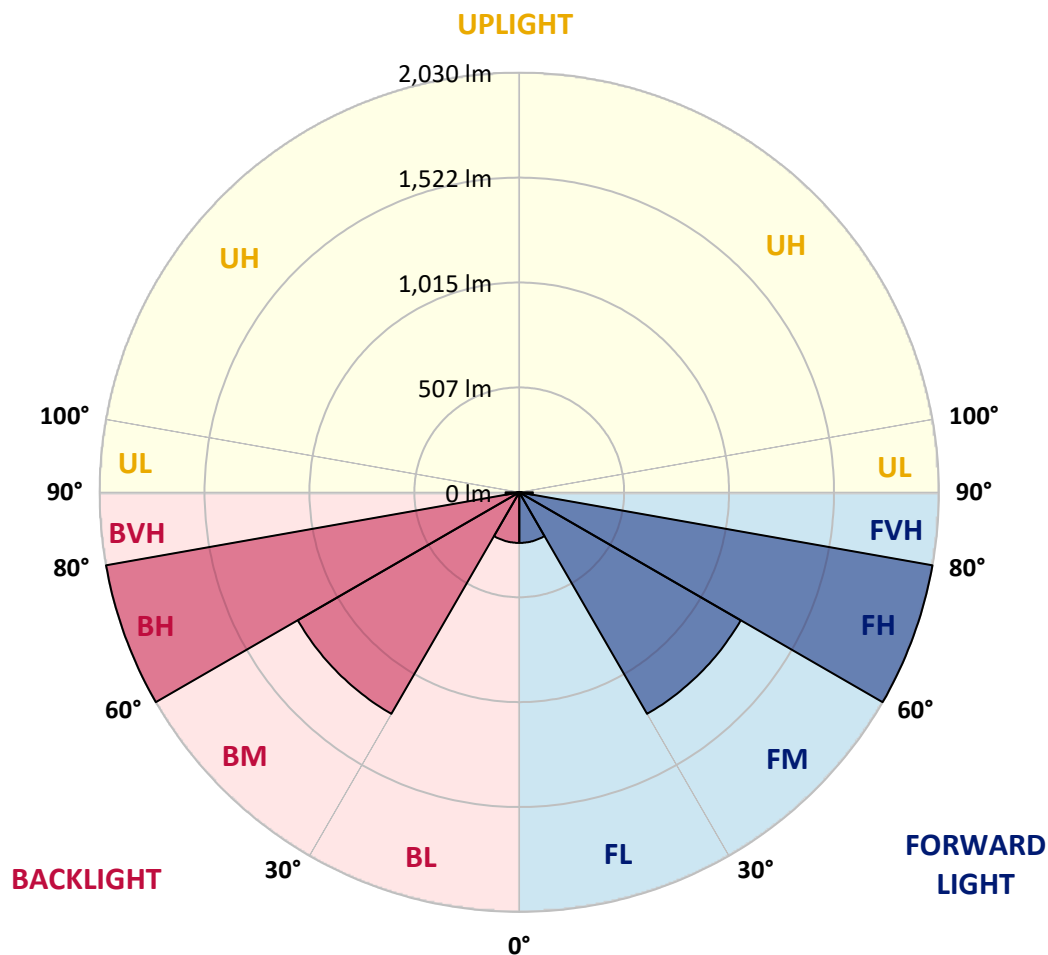
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.6	3.4			
FM	(30°-60°)	1237.3	17.3			
FH	(60°-80°)	2029.9	28.4			G2/5000
FVH	(80°-90°)	66.1	0.9			G1/100
BL	(0°-30°)	244.6	3.4	B1/500		
BM	(30°-60°)	1237.3	17.3	B2/2500		
BH	(60°-80°)	2029.9	28.4	B3/2500		G2/5000
BVH	(80°-90°)	66.1	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°	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9	588.9
2.5°	586.3	587.0	586.3	586.8	585.6	586.1	586.1	586.1	585.9	586.1	585.6
5°	581.1	581.6	580.7	581.1	580.4	581.1	581.4	581.1	580.7	580.9	579.9
7.5°	573.3	573.8	573.1	573.8	572.8	574.0	573.8	573.1	572.4	572.4	571.4
10°	569.1	569.3	567.4	566.7	564.6	565.0	565.7	566.5	567.2	568.6	568.3
12.5°	569.3	569.3	566.5	563.4	560.3	561.0	562.2	564.8	567.6	570.2	570.5
15°	571.7	571.4	567.2	562.2	560.1	562.2	562.9	564.6	569.1	573.6	573.8
17.5°	573.3	573.3	566.7	561.0	560.8	564.1	563.8	564.6	569.5	576.2	576.4
20°	576.4	576.4	567.9	561.7	561.7	565.3	565.5	566.7	571.7	579.0	580.2
22.5°	583.3	583.5	574.5	569.5	570.0	572.1	572.8	574.7	579.2	587.3	588.7
25°	593.0	593.4	584.2	581.4	583.0	587.0	586.6	588.0	593.0	600.8	602.2
27.5°	606.5	605.3	596.8	595.6	597.2	600.1	599.8	600.1	604.1	611.2	612.8
30°	624.0	623.5	617.3	618.1	617.3	616.4	616.6	618.5	620.7	626.3	628.0
32.5°	641.0	641.5	637.7	641.3	646.5	650.0	644.6	639.4	637.0	640.1	641.5
35°	671.8	673.0	667.1	664.7	671.8	682.2	666.8	658.3	663.0	667.1	668.2
37.5°	724.1	724.8	714.9	705.4	700.2	710.1	694.8	695.5	712.0	719.6	719.4
40°	783.8	784.0	777.4	769.1	760.1	762.4	756.3	758.2	769.1	775.9	777.8
42.5°	854.8	854.1	843.6	831.8	829.2	831.6	821.2	819.7	832.3	844.6	844.8
45°	946.8	945.2	931.7	918.7	906.1	900.9	898.3	905.2	922.5	933.8	934.1
47.5°	1046.0	1041.5	1034.4	1024.0	1013.1	1007.9	1003.7	1007.0	1019.5	1024.0	1024.5
50°	1148.1	1149.0	1150.4	1146.4	1142.4	1140.7	1129.6	1123.2	1127.0	1118.7	1117.5
52.5°	1269.0	1270.9	1284.6	1296.2	1303.1	1306.7	1285.6	1263.6	1251.3	1235.2	1230.4
55°	1411.8	1414.8	1434.9	1467.1	1500.3	1517.8	1479.7	1438.5	1400.4	1370.3	1360.6
57.5°	1570.8	1576.3	1604.0	1665.7	1733.7	1775.1	1710.7	1635.9	1562.3	1519.0	1511.4
60°	1757.4	1762.6	1800.9	1889.4	1999.5	2061.8	1964.2	1841.9	1750.2	1708.8	1694.9
62.5°	1979.4	1979.9	2027.0	2130.4	2275.8	2362.4	2230.3	2066.7	1972.3	1922.3	1908.8
65°	2218.2	2219.4	2268.2	2379.9	2530.2	2624.4	2475.3	2304.9	2189.4	2115.7	2105.3
67.5°	2387.0	2392.0	2443.3	2577.8	2718.4	2803.4	2649.0	2456.4	2322.9	2235.0	2226.3
70°	2360.0	2379.4	2439.8	2596.7	2792.3	2913.5	2677.2	2438.4	2262.3	2158.6	2151.2
72.5°	2058.2	2095.4	2175.9	2381.8	2694.5	2861.4	2523.6	2183.9	1984.6	1896.3	1883.0
75°	1401.6	1461.9	1583.4	1880.4	2302.0	2477.4	2124.5	1741.3	1553.8	1431.6	1422.6
77.5°	624.9	638.6	792.5	1134.6	1588.6	1779.1	1543.6	1139.1	855.0	682.0	645.5
80°	174.2	176.4	235.3	422.5	795.1	1045.3	853.6	443.8	249.5	175.9	165.7
82.5°	55.4	60.1	73.4	109.6	267.2	477.0	274.3	118.4	84.3	67.2	60.6
85°	27.0	26.7	37.2	44.5	68.2	105.6	72.7	54.9	48.1	32.0	28.9
87.5°	11.4	11.6	17.3	15.6	19.9	17.0	23.4	24.6	25.8	14.2	12.3
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)