

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: P316335

Luminaire Tested: **GAN-SA1D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316335
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

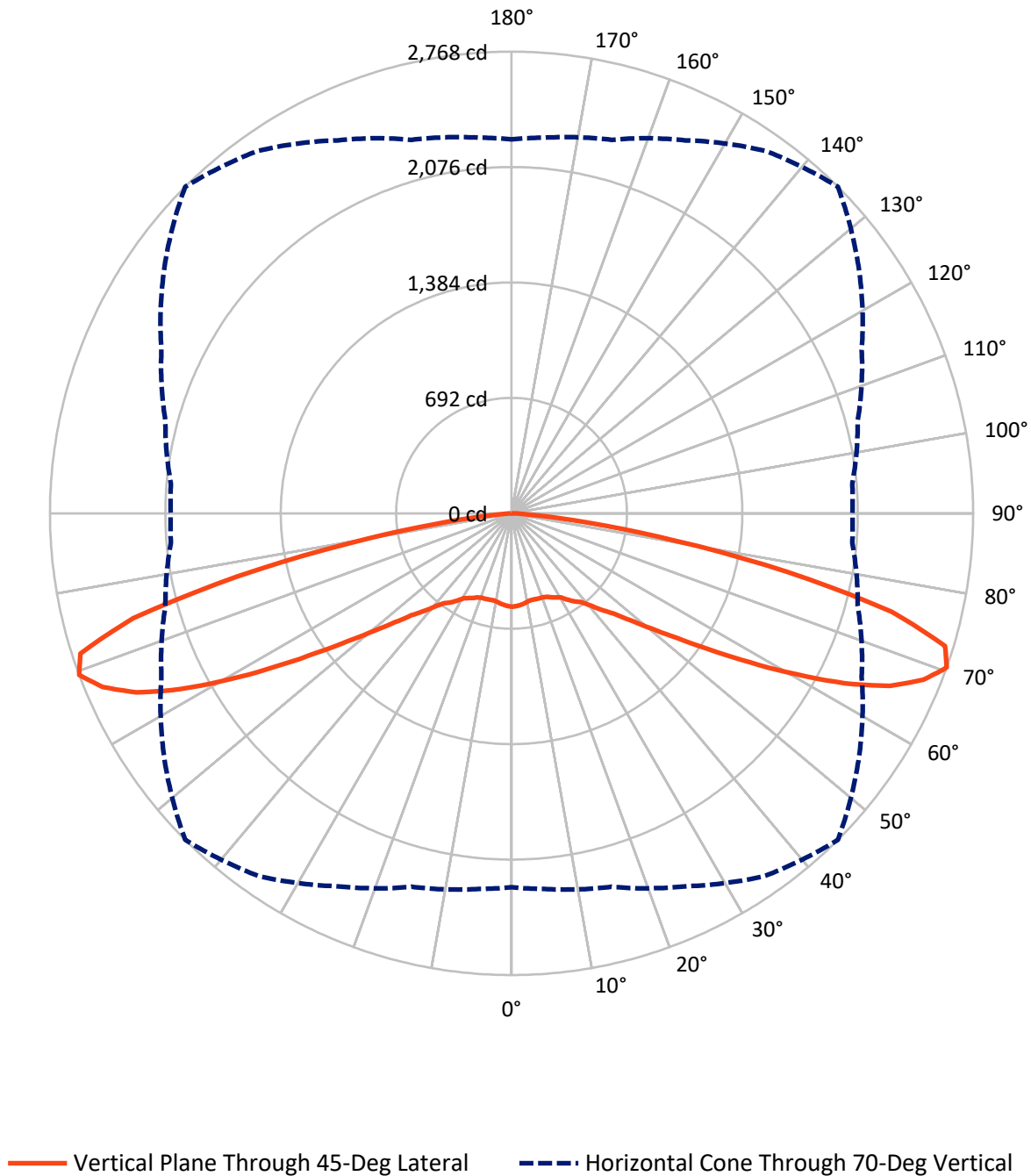
Lumens per Lamp: N/A
Luminaire Lumens: 6799 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3399.5	0.0	3399.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3399.5	0.0	3399.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6799.0	0.0	6799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	0.8
10°-20°	152.5	2.2
20°-30°	260.1	3.8
30°-40°	406.4	6.0
40°-50°	688.8	10.1
50°-60°	1256.0	18.5
60°-70°	2162.3	31.8
70°-80°	1694.9	24.9
80°-90°	125.7	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°	6799.0	100.0
0°-180°	6799.0	100.0

Coefficient of Utilization



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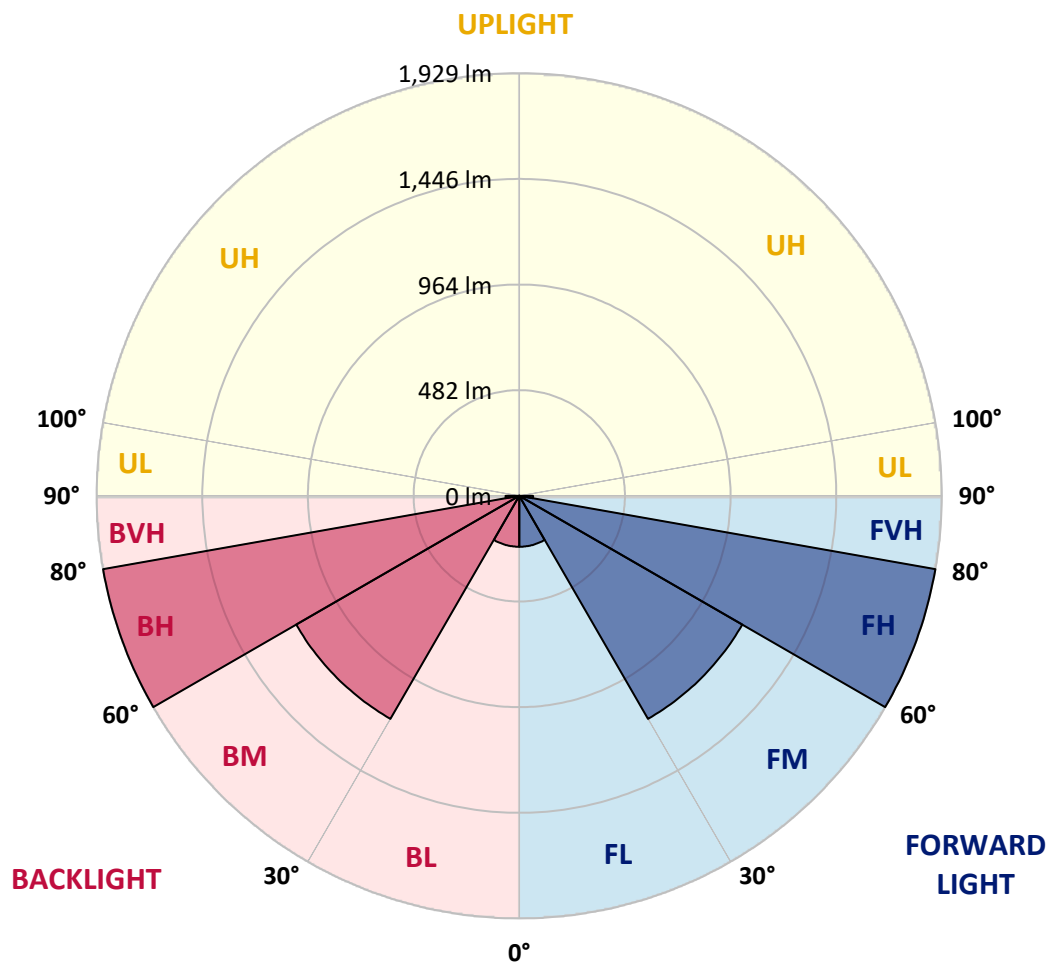
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.4	3.4			
FM	(30°-60°)	1175.6	17.3			
FH	(60°-80°)	1928.6	28.4			G2/5000
FVH	(80°-90°)	62.8	0.9			G1/100
BL	(0°-30°)	232.4	3.4	B1/500		
BM	(30°-60°)	1175.6	17.3	B2/2500		
BH	(60°-80°)	1928.6	28.4	B3/2500		G2/5000
BVH	(80°-90°)	62.8	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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	557.1	557.8	557.1	557.5	556.4	556.9	556.9	556.9	556.6	556.9	556.4
5°	552.1	552.6	551.7	552.1	551.5	552.1	552.4	552.1	551.7	551.9	551.0
7.5°	544.7	545.2	544.5	545.2	544.3	545.4	545.2	544.5	543.8	543.8	542.9
10°	540.7	540.9	539.1	538.4	536.4	536.8	537.5	538.2	538.9	540.2	540.0
12.5°	540.9	540.9	538.2	535.3	532.3	533.0	534.1	536.6	539.3	541.8	542.0
15°	543.1	542.9	538.9	534.1	532.1	534.1	534.8	536.4	540.7	544.9	545.2
17.5°	544.7	544.7	538.4	533.0	532.8	535.9	535.7	536.4	541.1	547.4	547.6
20°	547.6	547.6	539.5	533.7	533.7	537.1	537.3	538.4	543.1	550.1	551.2
22.5°	554.2	554.4	545.8	541.1	541.6	543.6	544.3	546.1	550.3	558.0	559.3
25°	563.4	563.8	555.1	552.4	553.9	557.8	557.3	558.7	563.4	570.8	572.2
27.5°	576.2	575.1	567.0	565.9	567.4	570.1	569.9	570.1	574.0	580.7	582.3
30°	592.8	592.4	586.5	587.2	586.5	585.6	585.9	587.7	589.7	595.1	596.7
32.5°	609.0	609.5	605.9	609.3	614.2	617.6	612.4	607.5	605.2	608.1	609.5
35°	638.3	639.4	633.8	631.5	638.3	648.2	633.6	625.5	630.0	633.8	634.9
37.5°	688.0	688.7	679.2	670.2	665.3	674.7	660.1	660.8	676.5	683.7	683.5
40°	744.7	744.9	738.6	730.7	722.2	724.4	718.6	720.4	730.7	737.2	739.0
42.5°	812.1	811.4	801.6	790.3	787.8	790.1	780.2	778.8	790.8	802.5	802.7
45°	899.6	898.0	885.2	872.8	860.9	856.0	853.5	860.0	876.4	887.2	887.5
47.5°	993.8	989.6	982.8	972.9	962.6	957.6	953.6	956.7	968.7	972.9	973.4
50°	1090.8	1091.7	1093.0	1089.2	1085.4	1083.8	1073.2	1067.2	1070.8	1062.9	1061.8
52.5°	1205.7	1207.5	1220.5	1231.6	1238.1	1241.5	1221.4	1200.5	1188.8	1173.5	1169.0
55°	1341.3	1344.2	1363.4	1393.9	1425.4	1442.1	1405.9	1366.7	1330.5	1302.0	1292.7
57.5°	1492.5	1497.6	1523.9	1582.6	1647.2	1686.5	1625.4	1554.3	1484.4	1443.2	1436.0
60°	1669.7	1674.6	1711.1	1795.2	1899.8	1958.9	1866.2	1750.0	1662.9	1623.6	1610.3
62.5°	1880.6	1881.1	1925.8	2024.1	2162.2	2244.5	2119.0	1963.6	1873.9	1826.4	1813.6
65°	2107.6	2108.7	2155.0	2261.2	2404.0	2493.5	2351.8	2189.9	2080.1	2010.2	2000.3
67.5°	2267.9	2272.6	2321.4	2449.2	2582.8	2663.5	2516.9	2333.8	2207.0	2123.5	2115.2
70°	2242.3	2260.7	2318.1	2467.2	2653.0	2768.1	2543.7	2316.7	2149.4	2050.9	2043.9
72.5°	1955.5	1990.8	2067.3	2263.0	2560.1	2718.6	2397.7	2075.0	1885.6	1801.7	1789.1
75°	1331.7	1389.0	1504.4	1786.6	2187.2	2353.8	2018.5	1654.4	1476.3	1360.2	1351.7
77.5°	593.7	606.8	753.0	1078.0	1509.3	1690.4	1466.6	1082.2	812.3	647.9	613.3
80°	165.5	167.6	223.6	401.5	755.4	993.2	811.0	421.7	237.0	167.1	157.4
82.5°	52.6	57.1	69.7	104.1	253.9	453.2	260.7	112.5	80.1	63.9	57.6
85°	25.6	25.4	35.3	42.3	64.8	100.3	69.0	52.2	45.7	30.4	27.4
87.5°	10.8	11.0	16.4	14.8	18.9	16.2	22.3	23.4	24.5	13.5	11.7
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)