

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: P316327

Luminaire Tested: **GAN-SA3C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316327
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-SA3C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

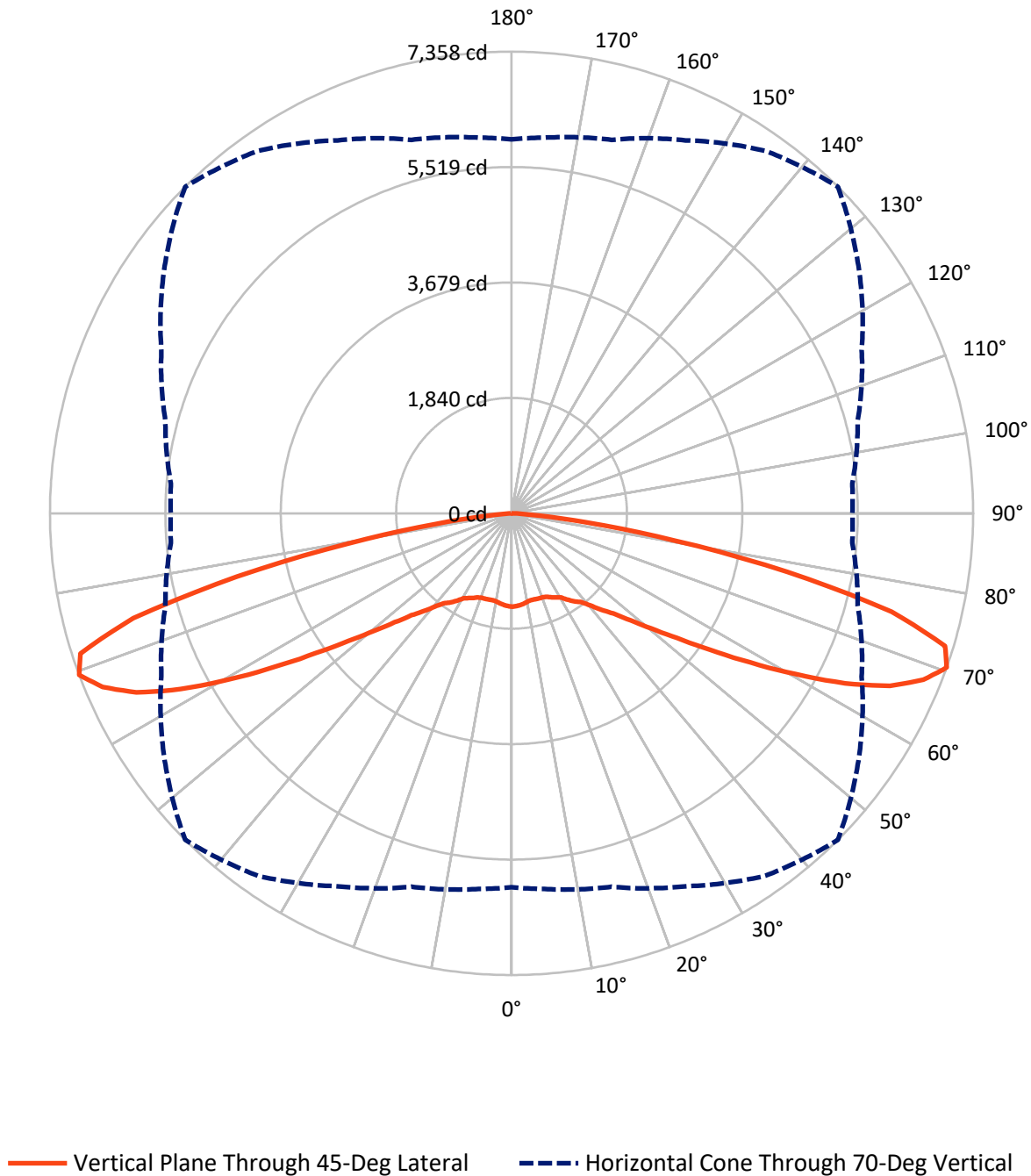
Lumens per Lamp: N/A
Luminaire Lumens: 18073 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 166
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	9036.5	0.0	9036.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9036.5	0.0	9036.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18073.0	0.0	18073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	0.8
10°-20°	405.5	2.2
20°-30°	691.4	3.8
30°-40°	1080.3	6.0
40°-50°	1830.9	10.1
50°-60°	3338.7	18.5
60°-70°	5747.9	31.8
70°-80°	4505.4	24.9
80°-90°	334.1	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°	18073.0	100.0
0°-180°	18073.0	100.0

Coefficient of Utilization



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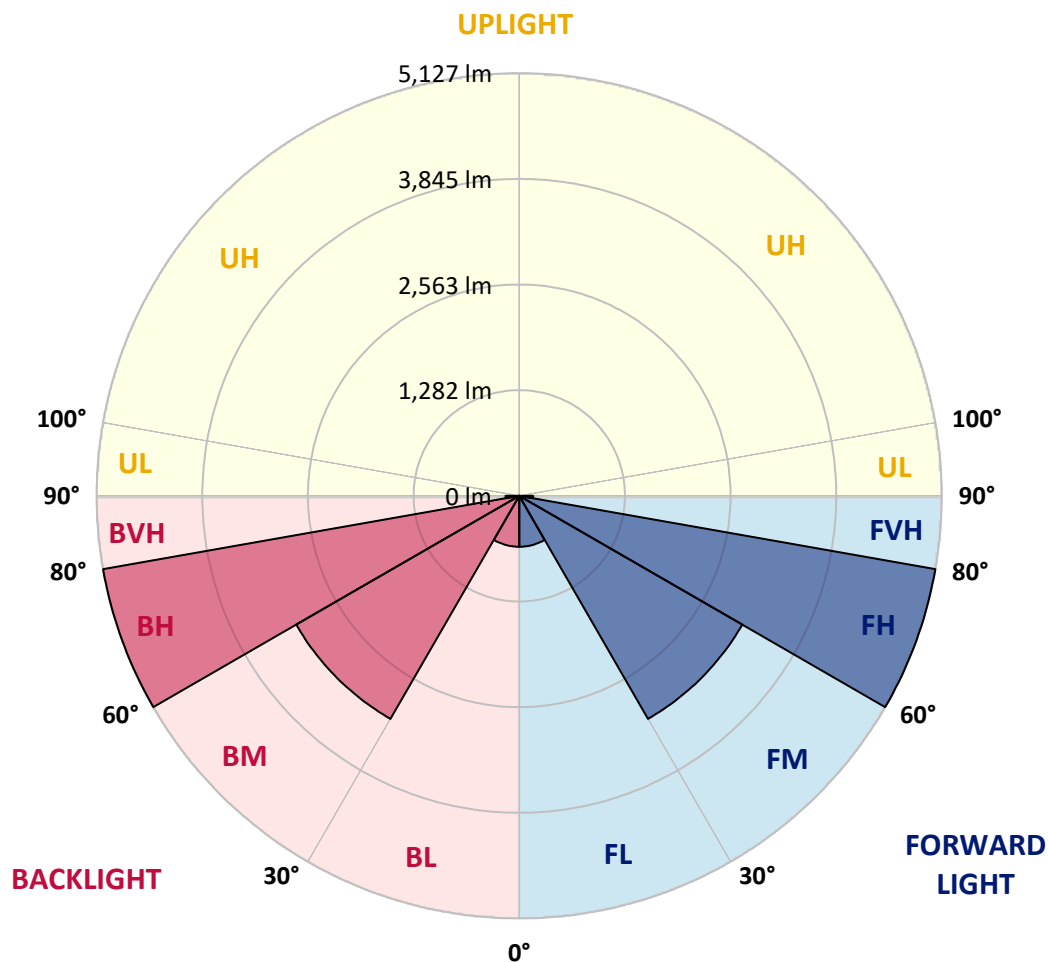
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	617.9	3.4			
FM	(30°-60°)	3125.0	17.3			
FH	(60°-80°)	5126.6	28.4			G3/7500
FVH	(80°-90°)	167.0	0.9			G2/225
BL	(0°-30°)	617.9	3.4	B2/1000		
BM	(30°-60°)	3125.0	17.3	B3/5000		
BH	(60°-80°)	5126.6	28.4	B5		G3/7500
BVH	(80°-90°)	167.0	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1480.8	1482.6	1480.8	1482.0	1479.0	1480.2	1480.2	1480.2	1479.6	1480.2	1479.0
5°	1467.7	1468.9	1466.5	1467.7	1465.9	1467.7	1468.3	1467.7	1466.5	1467.1	1464.7
7.5°	1448.0	1449.1	1447.4	1449.1	1446.8	1449.7	1449.1	1447.4	1445.6	1445.6	1443.2
10°	1437.2	1437.8	1433.0	1431.2	1425.8	1427.0	1428.8	1430.6	1432.4	1436.0	1435.4
12.5°	1437.8	1437.8	1430.6	1422.8	1415.1	1416.9	1419.9	1426.4	1433.6	1440.2	1440.8
15°	1443.8	1443.2	1432.4	1419.9	1414.5	1419.9	1421.6	1425.8	1437.2	1448.6	1449.1
17.5°	1448.0	1448.0	1431.2	1416.9	1416.3	1424.6	1424.0	1425.8	1438.4	1455.1	1455.7
20°	1455.7	1455.7	1434.2	1418.7	1418.7	1427.6	1428.2	1431.2	1443.8	1462.3	1465.3
22.5°	1473.1	1473.7	1450.9	1438.4	1439.6	1445.0	1446.8	1451.5	1462.9	1483.2	1486.8
25°	1497.6	1498.8	1475.5	1468.3	1472.5	1482.6	1481.4	1485.0	1497.6	1517.3	1520.9
27.5°	1531.7	1528.7	1507.1	1504.1	1508.3	1515.5	1514.9	1515.5	1525.7	1543.6	1547.8
30°	1575.9	1574.7	1559.2	1560.9	1559.2	1556.8	1557.4	1562.1	1567.5	1581.9	1586.1
32.5°	1618.9	1620.1	1610.6	1619.5	1632.7	1641.7	1627.9	1614.7	1608.8	1616.5	1620.1
35°	1696.7	1699.6	1684.7	1678.7	1696.7	1723.0	1684.1	1662.6	1674.5	1684.7	1687.7
37.5°	1828.8	1830.6	1805.5	1781.5	1768.4	1793.5	1754.6	1756.4	1798.3	1817.4	1816.8
40°	1979.4	1980.0	1963.3	1942.4	1919.6	1925.6	1910.1	1914.9	1942.4	1959.7	1964.5
42.5°	2158.8	2157.0	2130.7	2100.8	2094.2	2100.2	2073.9	2070.3	2102.0	2133.1	2133.7
45°	2391.3	2387.2	2353.1	2320.2	2288.5	2275.4	2268.8	2286.1	2329.8	2358.5	2359.1
47.5°	2641.8	2630.5	2612.5	2586.2	2558.7	2545.6	2534.8	2543.2	2574.9	2586.2	2587.4
50°	2899.5	2901.9	2905.5	2895.3	2885.1	2881.0	2852.9	2836.7	2846.3	2825.4	2822.4
52.5°	3205.0	3209.8	3244.4	3273.7	3291.1	3300.0	3246.8	3191.2	3160.1	3119.5	3107.5
55°	3565.5	3573.3	3624.1	3705.4	3789.1	3833.3	3737.1	3633.0	3536.8	3460.9	3436.3
57.5°	3967.2	3981.0	4050.9	4207.0	4378.5	4483.2	4320.5	4131.6	3945.7	3836.3	3817.2
60°	4438.3	4451.5	4548.3	4771.9	5049.9	5207.1	4960.8	4651.7	4420.4	4315.8	4280.5
62.5°	4999.1	5000.3	5119.3	5380.5	5747.6	5966.4	5632.8	5219.7	4981.2	4855.0	4820.9
65°	5602.3	5605.3	5728.4	6010.6	6390.2	6628.2	6251.5	5821.1	5529.4	5343.4	5317.1
67.5°	6028.6	6041.1	6170.8	6510.4	6865.5	7080.1	6690.4	6203.7	5866.5	5644.7	5622.6
70°	5960.4	6009.4	6161.9	6558.2	7052.0	7358.1	6761.5	6158.3	5713.5	5451.6	5433.1
72.5°	5198.2	5292.0	5495.3	6015.4	6805.1	7226.6	6373.5	5515.6	5012.2	4789.2	4755.8
75°	3539.8	3692.2	3998.9	4749.2	5813.9	6256.9	5365.6	4397.7	3924.2	3615.7	3593.0
77.5°	1578.3	1613.0	2001.5	2865.4	4012.1	4493.3	3898.5	2876.8	2159.4	1722.4	1630.3
80°	440.0	445.4	594.2	1067.1	2008.1	2640.0	2155.8	1120.9	630.1	444.2	418.5
82.5°	139.9	151.8	185.3	276.8	675.0	1204.6	692.9	298.9	212.8	169.8	153.0
85°	68.2	67.6	93.9	112.4	172.2	266.6	183.5	138.7	121.4	80.7	72.9
87.5°	28.7	29.3	43.6	39.5	50.2	43.0	59.2	62.2	65.2	35.9	31.1
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)