

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: P316306

Luminaire Tested: **GAN-SA2A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316306
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-SA2A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

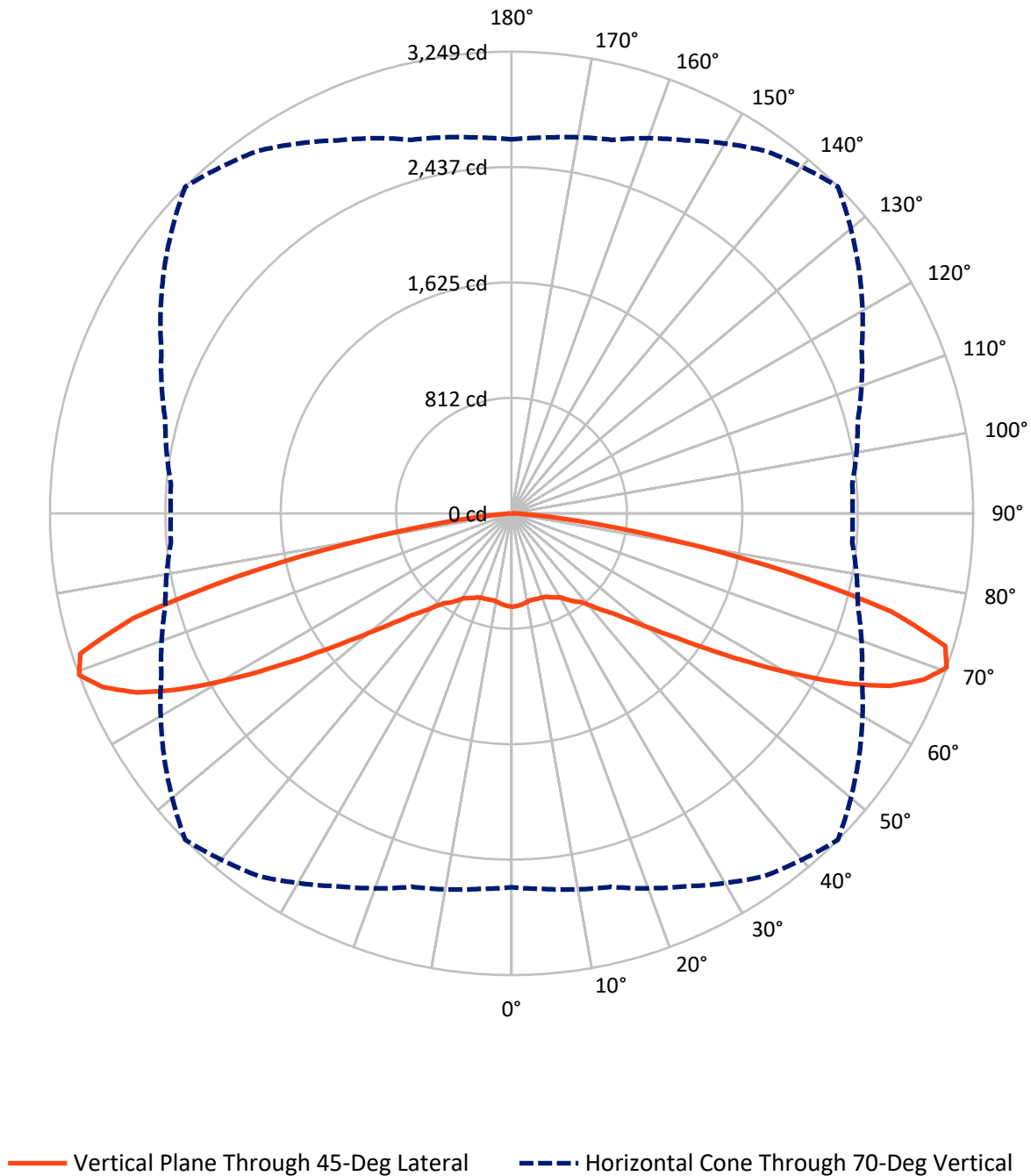
Lumens per Lamp: N/A
Luminaire Lumens: 7981 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 66
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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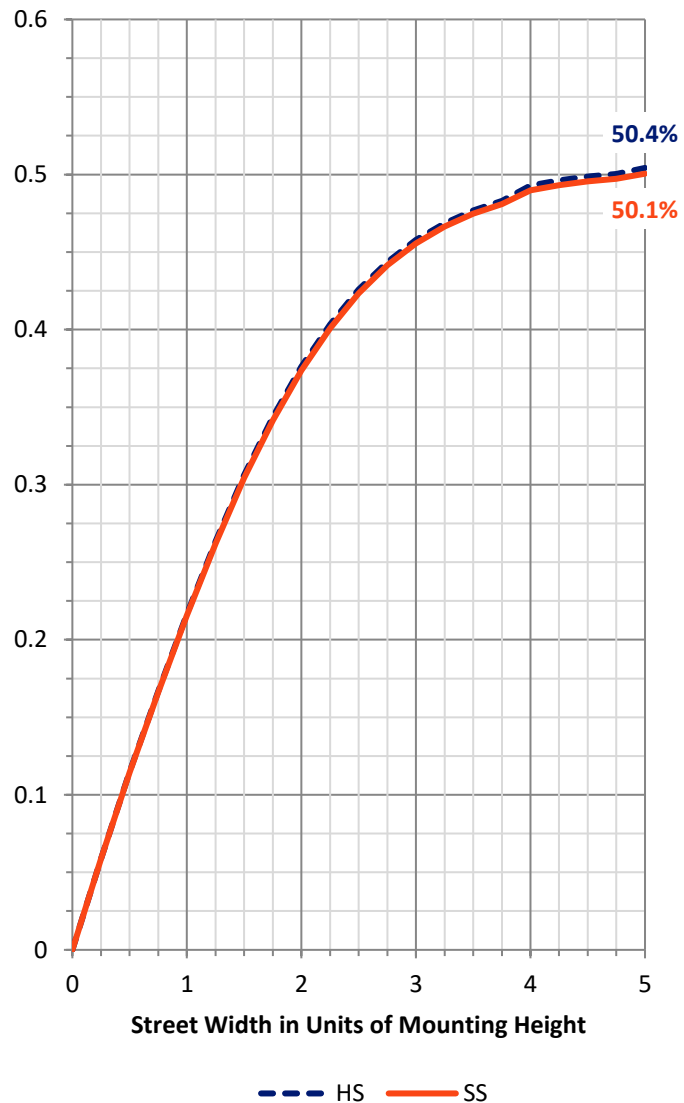
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3990.5	0.0	3990.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3990.5	0.0	3990.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7981.0	0.0	7981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	0.8
10°-20°	179.1	2.2
20°-30°	305.3	3.8
30°-40°	477.1	6.0
40°-50°	808.5	10.1
50°-60°	1474.4	18.5
60°-70°	2538.3	31.8
70°-80°	1989.6	24.9
80°-90°	147.5	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°	7981.0	100.0
0°-180°	7981.0	100.0

Coefficient of Utilization



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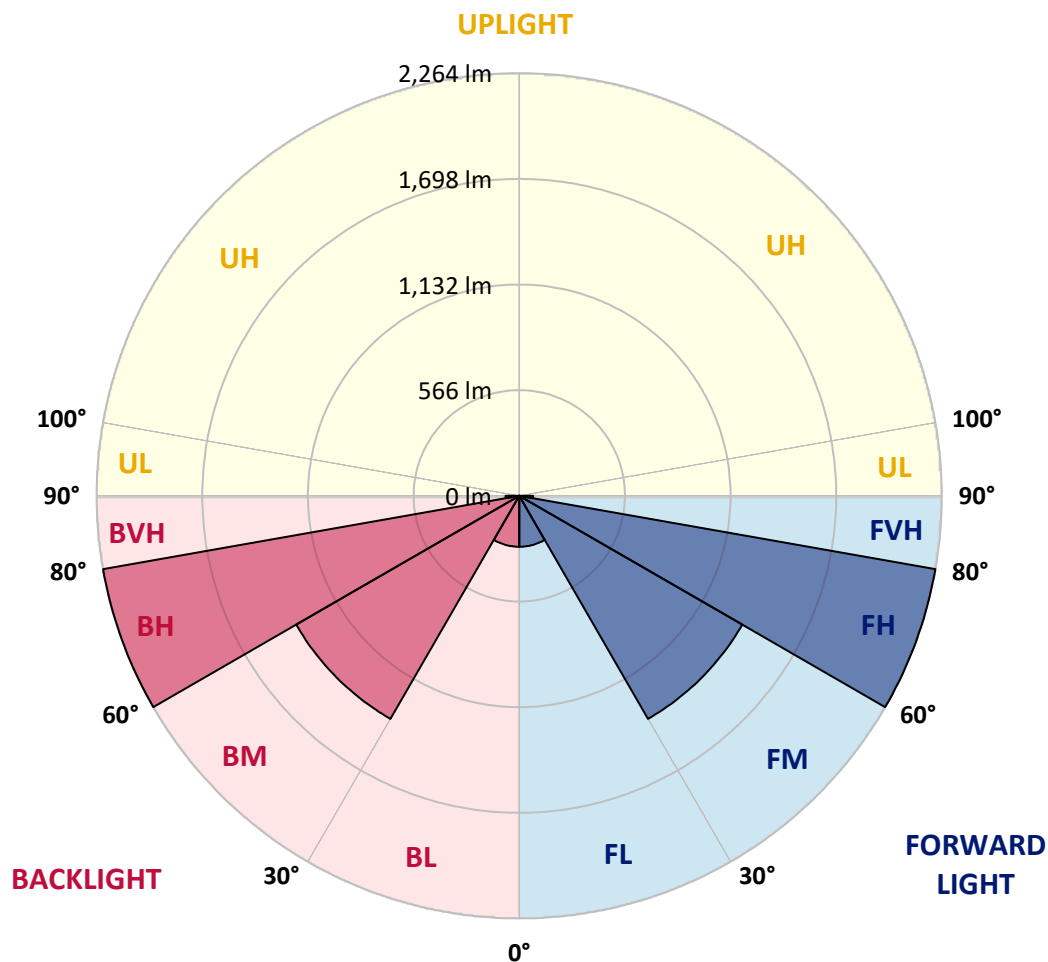
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.8	3.4			
FM	(30°-60°)	1380.0	17.3			
FH	(60°-80°)	2263.9	28.4			G2/5000
FVH	(80°-90°)	73.8	0.9			G1/100
BL	(0°-30°)	272.8	3.4	B1/500		
BM	(30°-60°)	1380.0	17.3	B2/2500		
BH	(60°-80°)	2263.9	28.4	B3/2500		G2/5000
BVH	(80°-90°)	73.8	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°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	653.9	654.7	653.9	654.5	653.1	653.7	653.7	653.7	653.4	653.7	653.1
5°	648.1	648.7	647.6	648.1	647.3	648.1	648.4	648.1	647.6	647.9	646.8
7.5°	639.4	639.9	639.1	639.9	638.9	640.2	639.9	639.1	638.4	638.4	637.3
10°	634.7	634.9	632.8	632.0	629.6	630.2	631.0	631.8	632.5	634.1	633.9
12.5°	634.9	634.9	631.8	628.3	624.9	625.7	627.0	629.9	633.1	636.0	636.2
15°	637.6	637.3	632.5	627.0	624.6	627.0	627.8	629.6	634.7	639.7	639.9
17.5°	639.4	639.4	632.0	625.7	625.4	629.1	628.9	629.6	635.2	642.6	642.8
20°	642.8	642.8	633.3	626.5	626.5	630.4	630.7	632.0	637.6	645.7	647.1
22.5°	650.5	650.8	640.7	635.2	635.7	638.1	638.9	641.0	646.0	655.0	656.6
25°	661.3	661.9	651.6	648.4	650.2	654.7	654.2	655.8	661.3	670.0	671.6
27.5°	676.4	675.1	665.5	664.2	666.1	669.2	669.0	669.2	673.7	681.7	683.5
30°	695.9	695.4	688.5	689.3	688.5	687.5	687.7	689.8	692.2	698.5	700.4
32.5°	714.9	715.4	711.2	715.2	721.0	724.9	718.9	713.1	710.4	713.9	715.4
35°	749.2	750.6	744.0	741.3	749.2	760.9	743.7	734.2	739.5	744.0	745.3
37.5°	807.6	808.4	797.3	786.7	780.9	792.0	774.8	775.6	794.1	802.6	802.3
40°	874.1	874.4	867.0	857.7	847.7	850.4	843.5	845.6	857.7	865.4	867.5
42.5°	953.3	952.5	940.9	927.7	924.8	927.4	915.8	914.2	928.2	942.0	942.2
45°	1056.0	1054.2	1039.1	1024.6	1010.6	1004.8	1001.9	1009.5	1028.8	1041.5	1041.8
47.5°	1166.6	1161.6	1153.7	1142.1	1129.9	1124.1	1119.4	1123.1	1137.1	1142.1	1142.6
50°	1280.4	1281.5	1283.1	1278.6	1274.1	1272.2	1259.8	1252.7	1256.9	1247.7	1246.4
52.5°	1415.3	1417.4	1432.7	1445.7	1453.3	1457.3	1433.8	1409.2	1395.5	1377.6	1372.3
55°	1574.5	1577.9	1600.4	1636.3	1673.2	1692.8	1650.3	1604.3	1561.8	1528.3	1517.5
57.5°	1751.9	1758.0	1788.9	1857.8	1933.6	1979.8	1907.9	1824.5	1742.4	1694.1	1685.7
60°	1960.0	1965.8	2008.5	2107.3	2230.0	2299.5	2190.7	2054.2	1952.0	1905.8	1890.3
62.5°	2207.6	2208.1	2260.7	2376.0	2538.1	2634.7	2487.4	2305.0	2199.7	2144.0	2128.9
65°	2474.0	2475.3	2529.7	2654.3	2821.9	2927.0	2760.7	2570.6	2441.8	2359.7	2348.0
67.5°	2662.2	2667.7	2725.0	2875.0	3031.8	3126.6	2954.4	2739.6	2590.7	2492.7	2482.9
70°	2632.1	2653.7	2721.1	2896.1	3114.2	3249.3	2985.9	2719.5	2523.1	2407.4	2399.3
72.5°	2295.5	2336.9	2426.7	2656.4	3005.1	3191.3	2814.5	2435.7	2213.4	2114.9	2100.1
75°	1563.2	1630.5	1765.9	2097.2	2567.4	2763.0	2369.4	1942.0	1732.9	1596.7	1586.7
77.5°	697.0	712.3	883.9	1265.4	1771.7	1984.2	1721.6	1270.4	953.6	760.6	719.9
80°	194.3	196.7	262.4	471.2	886.8	1165.8	952.0	495.0	278.3	196.2	184.8
82.5°	61.8	67.1	81.8	122.2	298.1	532.0	306.0	132.0	94.0	75.0	67.6
85°	30.1	29.8	41.4	49.6	76.0	117.7	81.0	61.2	53.6	35.6	32.2
87.5°	12.7	12.9	19.3	17.4	22.2	19.0	26.1	27.5	28.8	15.8	13.7
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)