

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: P317267

Luminaire Tested: **GAN-SA3A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11556 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 96
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



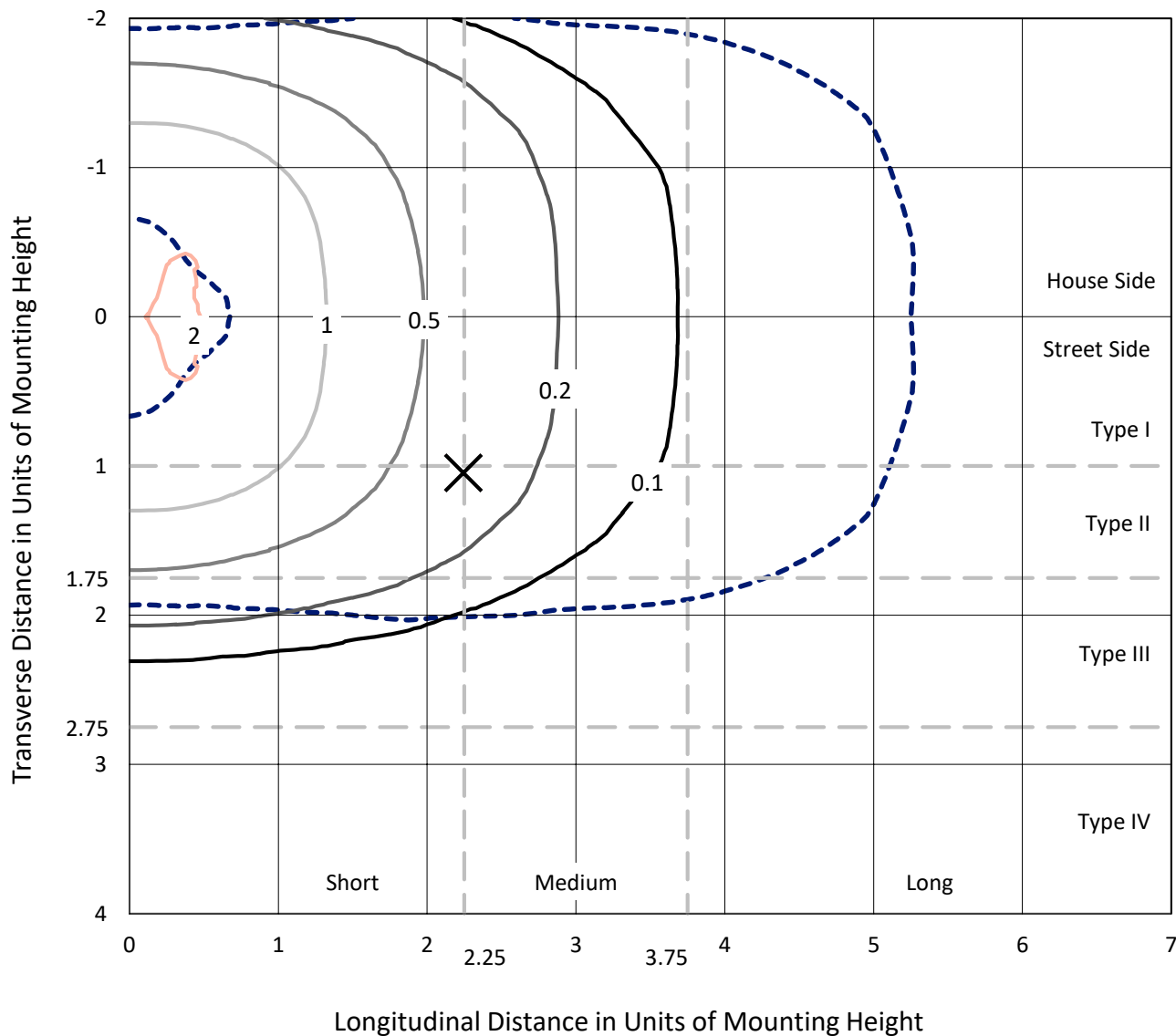
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

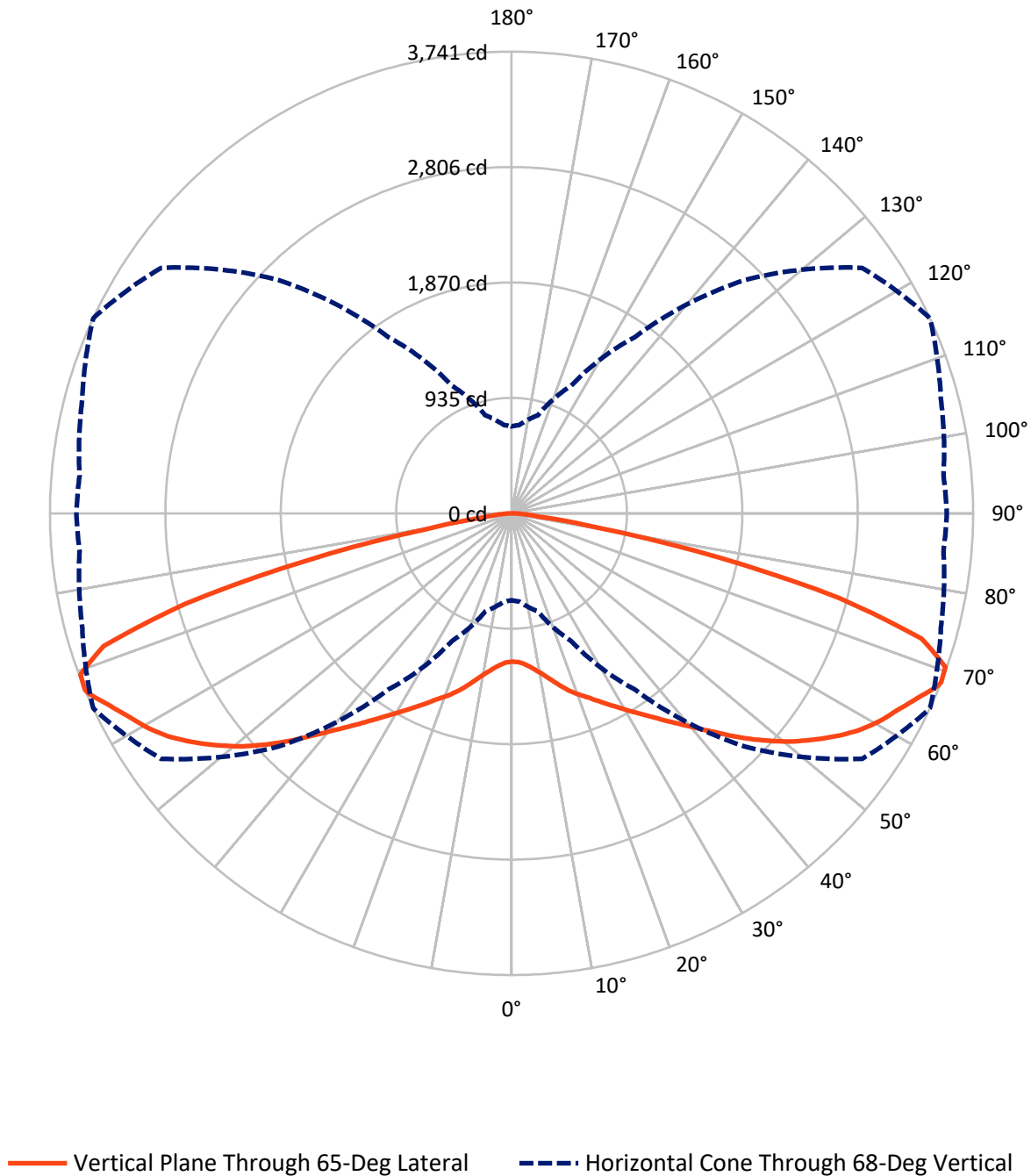
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5778.0	0.0	5778.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5778.0	0.0	5778.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11556.0	0.0	11556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	1.0
10°-20°	393.9	3.4
20°-30°	768.0	6.6
30°-40°	1290.2	11.2
40°-50°	2032.9	17.6
50°-60°	2718.7	23.5
60°-70°	2642.9	22.9
70°-80°	1444.7	12.5
80°-90°	146.9	1.3
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°	11556.0	100.0
0°-180°	11556.0	100.0

Coefficient of Utilization



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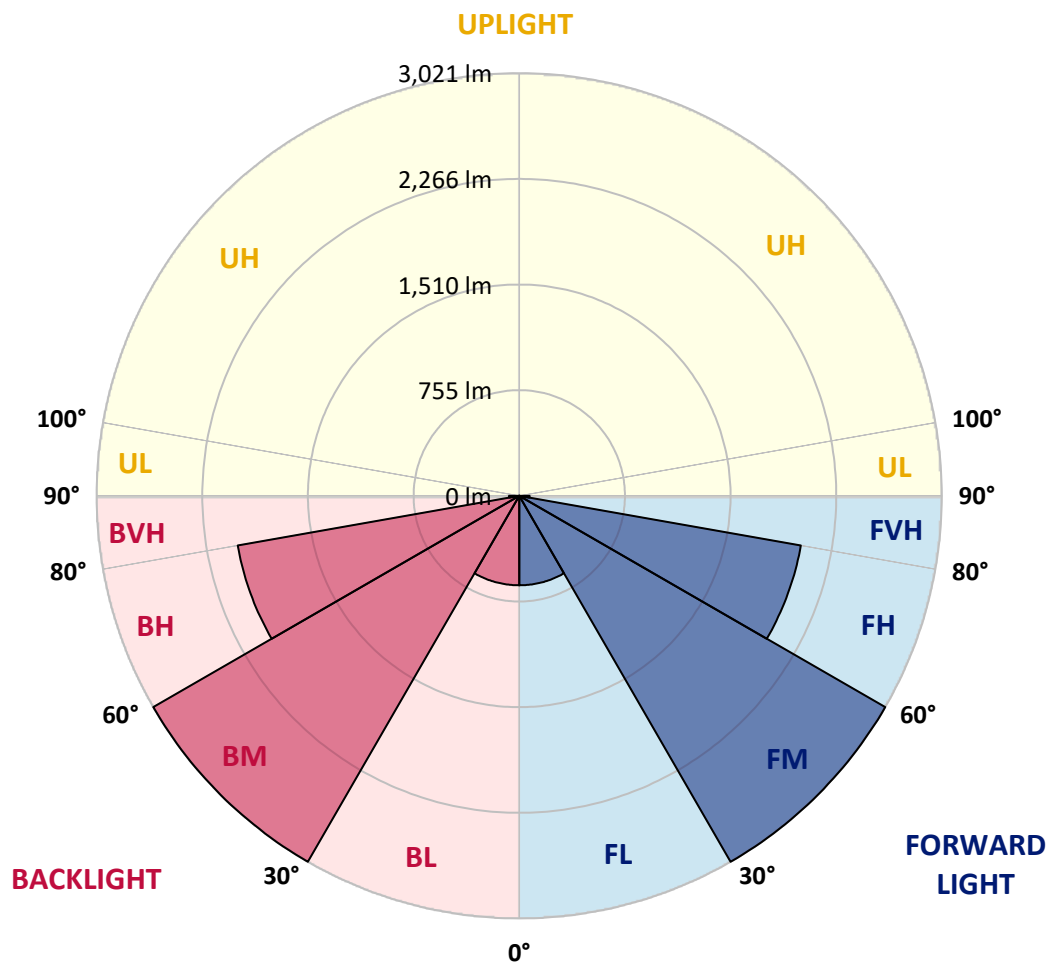
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	639.8	5.5			
FM	(30°-60°)	3020.9	26.1			
FH	(60°-80°)	2043.8	17.7			G2/5000
FVH	(80°-90°)	73.5	0.6			G1/100
BL	(0°-30°)	639.8	5.5	B2/1000		
BM	(30°-60°)	3020.9	26.1	B3/5000		
BH	(60°-80°)	2043.8	17.7	B3/2500		G3/2500
BVH	(80°-90°)	73.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6
2.5°	1193.0	1193.4	1195.4	1197.7	1199.6	1204.7	1205.8	1207.8	1208.5	1210.5	1210.5
5°	1182.6	1183.3	1188.0	1194.2	1201.2	1213.6	1222.5	1232.5	1237.6	1243.0	1242.6
7.5°	1181.4	1183.3	1189.9	1200.0	1211.6	1232.2	1250.8	1270.9	1284.5	1296.9	1296.1
10°	1193.4	1196.5	1205.8	1220.9	1238.4	1263.9	1291.4	1318.6	1342.2	1361.2	1362.0
12.5°	1211.6	1215.5	1230.2	1253.1	1279.4	1312.4	1344.9	1375.5	1408.1	1436.4	1438.7
15°	1235.6	1240.7	1262.8	1296.9	1337.2	1376.3	1411.2	1442.6	1480.1	1519.3	1523.2
17.5°	1271.3	1278.3	1307.3	1353.4	1406.5	1449.5	1486.0	1509.6	1541.0	1581.3	1588.6
20°	1325.5	1334.5	1371.3	1426.3	1491.0	1535.9	1563.8	1568.9	1584.4	1620.4	1628.9
22.5°	1396.1	1403.8	1444.9	1510.4	1582.8	1631.6	1646.4	1626.2	1624.7	1653.7	1661.9
25°	1474.7	1481.7	1529.4	1603.0	1680.9	1734.7	1734.3	1695.2	1668.1	1690.5	1699.1
27.5°	1563.1	1573.9	1619.6	1697.1	1780.4	1833.5	1830.4	1770.0	1718.4	1724.3	1731.6
30°	1664.6	1676.6	1721.2	1799.8	1883.1	1935.0	1931.2	1851.3	1773.8	1758.4	1763.8
32.5°	1790.5	1804.8	1847.1	1924.6	1998.2	2045.1	2033.8	1939.7	1840.5	1806.8	1811.8
35°	1942.0	1950.5	1995.1	2071.4	2131.1	2163.3	2139.6	2042.0	1925.0	1884.3	1884.3
37.5°	2095.5	2102.0	2152.0	2226.0	2283.8	2300.8	2254.7	2154.0	2035.4	1977.7	1978.8
40°	2242.7	2260.5	2316.7	2392.6	2449.6	2454.3	2393.0	2281.8	2158.2	2098.6	2105.5
42.5°	2396.5	2414.0	2481.0	2567.0	2617.4	2625.1	2553.4	2425.2	2296.9	2248.5	2256.3
45°	2533.7	2547.6	2625.1	2725.1	2787.9	2808.0	2723.2	2589.5	2446.9	2399.6	2401.6
47.5°	2629.4	2647.6	2732.8	2850.6	2942.1	2973.1	2889.8	2749.5	2594.5	2537.2	2542.2
50°	2716.2	2725.9	2812.3	2940.9	3057.2	3121.1	3049.8	2907.6	2743.7	2682.9	2688.3
52.5°	2764.6	2777.0	2860.7	2994.8	3132.3	3235.4	3192.0	3049.8	2887.8	2828.5	2835.1
55°	2730.9	2740.2	2840.6	3006.8	3178.8	3305.9	3312.5	3188.9	3029.3	2977.3	2995.9
57.5°	2577.5	2589.1	2711.5	2929.3	3184.6	3353.6	3403.2	3317.9	3161.4	3119.2	3130.0
60°	2337.6	2345.0	2475.6	2720.4	3071.5	3373.3	3460.9	3423.3	3290.8	3248.6	3263.3
62.5°	1910.2	1921.1	2077.2	2405.4	2832.4	3314.8	3516.7	3510.5	3411.3	3372.6	3385.7
65°	1305.8	1324.8	1497.6	1912.6	2463.9	3135.8	3567.5	3612.0	3517.9	3469.0	3486.5
67.5°	788.5	802.5	927.6	1262.8	1885.4	2774.7	3515.2	3727.5	3593.0	3514.4	3528.7
68°	704.8	717.6	822.2	1139.6	1744.0	2672.8	3467.5	3740.7	3601.2	3513.6	3526.4
70°	425.8	434.4	504.5	704.4	1162.8	2120.2	3142.4	3729.8	3653.1	3524.4	3531.8
72.5°	277.4	280.1	291.8	361.5	594.0	1185.7	2358.5	3475.6	3731.0	3587.6	3586.4
75°	230.5	229.0	230.2	238.3	292.9	520.0	1378.2	2745.6	3556.6	3488.0	3463.6
77.5°	194.9	193.7	193.3	193.7	196.1	251.1	598.3	1710.3	2721.6	3085.4	3107.1
80°	157.7	156.2	161.2	158.9	151.9	156.2	250.7	711.4	1282.9	1380.2	1293.4
82.5°	114.7	108.9	130.6	124.4	118.6	110.0	138.3	229.8	306.1	210.0	147.6
85°	88.3	82.1	99.2	95.3	81.4	56.2	82.1	112.4	124.0	70.9	55.8
87.5°	36.0	38.0	71.7	56.6	47.7	27.1	33.7	44.9	60.4	30.2	23.2
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)