

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: P317086

Luminaire Tested: **GAN-SA2C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317086
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-SA2C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13471 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

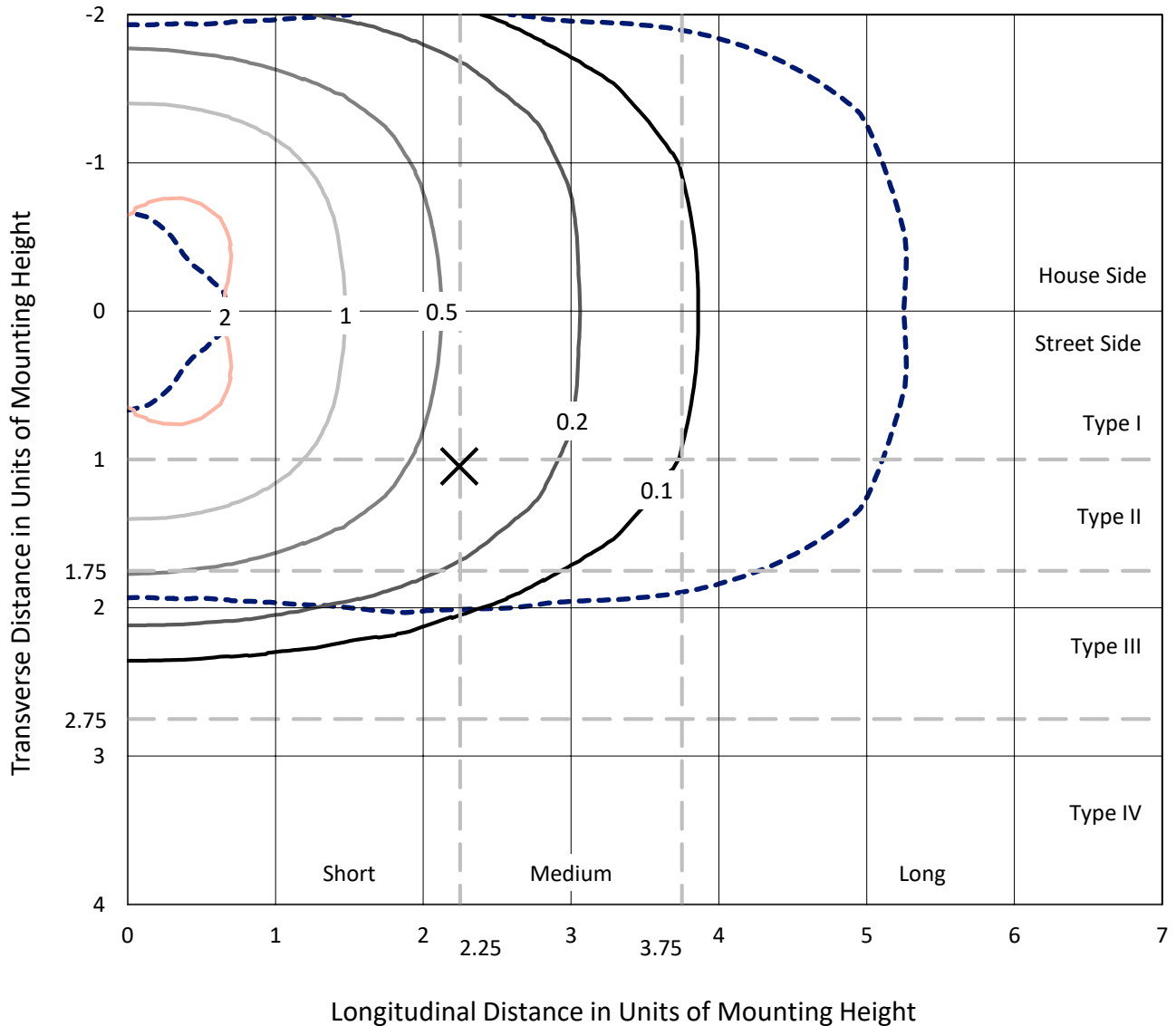
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

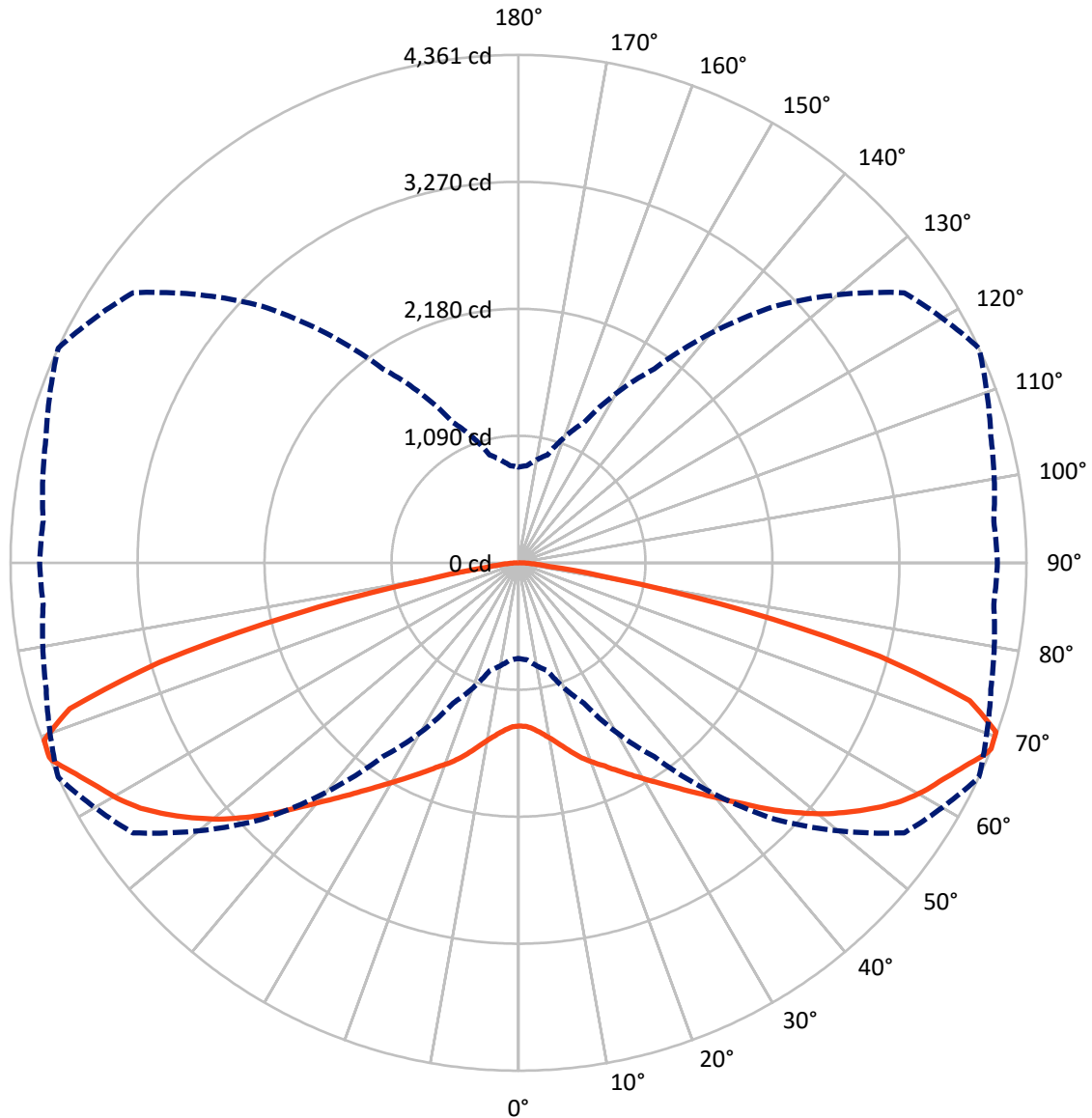
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6735.5	0.0	6735.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6735.5	0.0	6735.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13471.0	0.0	13471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	1.0
10°-20°	459.2	3.4
20°-30°	895.3	6.6
30°-40°	1504.0	11.2
40°-50°	2369.8	17.6
50°-60°	3169.2	23.5
60°-70°	3080.9	22.9
70°-80°	1684.2	12.5
80°-90°	171.3	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°	13471.0	100.0
0°-180°	13471.0	100.0

Coefficient of Utilization

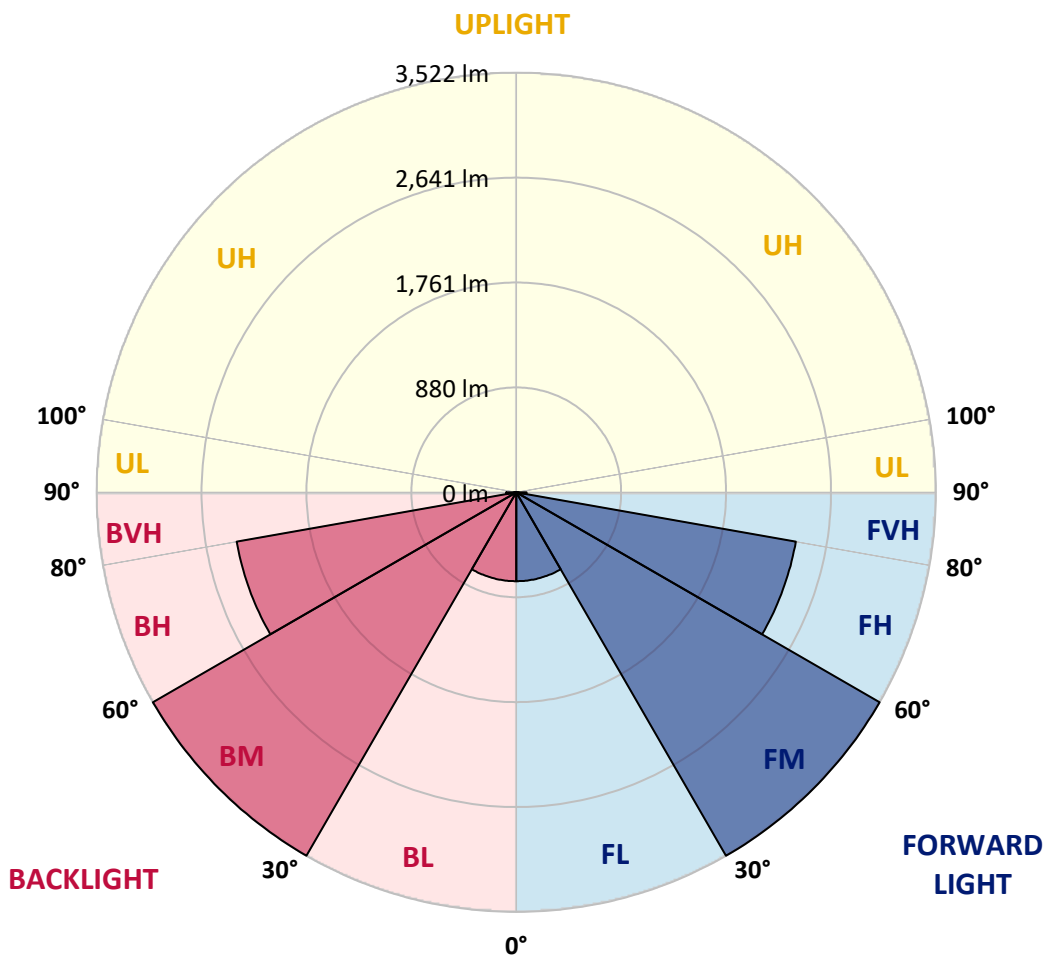


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.8	5.5			
FM (30°-60°)	3521.5	26.1			
FH (60°-80°)	2382.5	17.7			G2/5000
FVH (80°-90°)	85.6	0.6			G1/100
BL (0°-30°)	745.8	5.5	B2/1000		
BM (30°-60°)	3521.5	26.1	B3/5000		
BH (60°-80°)	2382.5	17.7	B3/2500		G3/2500
BVH (80°-90°)	85.6	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°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7
2.5°	1390.7	1391.2	1393.4	1396.2	1398.4	1404.3	1405.6	1407.9	1408.8	1411.1	1411.1
5°	1378.5	1379.4	1384.9	1392.1	1400.2	1414.7	1425.1	1436.8	1442.7	1449.0	1448.5
7.5°	1377.2	1379.4	1387.1	1398.9	1412.4	1436.3	1458.0	1481.5	1497.3	1511.8	1510.9
10°	1391.2	1394.8	1405.6	1423.3	1443.6	1473.4	1505.5	1537.1	1564.6	1586.8	1587.7
12.5°	1412.4	1416.9	1434.1	1460.7	1491.5	1529.8	1567.8	1603.5	1641.4	1674.4	1677.1
15°	1440.4	1446.3	1472.0	1511.8	1558.8	1604.4	1645.0	1681.6	1725.4	1771.0	1775.6
17.5°	1482.0	1490.1	1524.0	1577.7	1639.6	1689.7	1732.2	1759.8	1796.3	1843.3	1851.9
20°	1545.2	1555.6	1598.5	1662.6	1738.1	1790.5	1823.0	1828.9	1846.9	1888.9	1898.9
22.5°	1627.4	1636.4	1684.3	1760.7	1845.1	1902.0	1919.2	1895.7	1893.9	1927.8	1937.3
25°	1719.1	1727.2	1782.8	1868.6	1959.4	2022.2	2021.7	1976.1	1944.5	1970.7	1980.6
27.5°	1822.1	1834.7	1888.0	1978.4	2075.5	2137.4	2133.7	2063.3	2003.2	2010.0	2018.6
30°	1940.4	1954.4	2006.4	2098.1	2195.2	2255.7	2251.2	2158.1	2067.8	2049.7	2056.1
32.5°	2087.2	2103.9	2153.2	2243.5	2329.3	2384.0	2370.9	2261.1	2145.5	2106.2	2112.1
35°	2263.8	2273.8	2325.7	2414.7	2484.3	2521.7	2494.2	2380.4	2244.0	2196.5	2196.5
37.5°	2442.7	2450.4	2508.6	2594.9	2662.2	2682.1	2628.3	2510.9	2372.7	2305.4	2306.7
40°	2614.3	2635.1	2700.6	2789.1	2855.5	2861.0	2789.6	2660.0	2515.9	2446.3	2454.4
42.5°	2793.7	2814.0	2892.1	2992.4	3051.1	3060.1	2976.6	2827.1	2677.6	2621.1	2630.1
45°	2953.6	2969.8	3060.1	3176.7	3249.9	3273.3	3174.4	3018.6	2852.4	2797.3	2799.5
47.5°	3065.1	3086.3	3185.7	3323.0	3429.6	3465.8	3368.6	3205.1	3024.5	2957.6	2963.5
50°	3166.3	3177.6	3278.3	3428.3	3563.8	3638.3	3555.2	3389.4	3198.4	3127.4	3133.8
52.5°	3222.8	3237.2	3334.8	3491.1	3651.4	3771.5	3721.0	3555.2	3366.4	3297.3	3305.0
55°	3183.5	3194.3	3311.3	3505.1	3705.6	3853.8	3861.4	3717.3	3531.3	3470.7	3492.4
57.5°	3004.6	3018.1	3160.9	3414.7	3712.4	3909.3	3967.1	3867.8	3685.3	3636.0	3648.7
60°	2725.0	2733.6	2885.8	3171.3	3580.5	3932.3	4034.4	3990.6	3836.1	3786.9	3804.1
62.5°	2226.8	2239.4	2421.5	2804.0	3301.8	3864.1	4099.5	4092.2	3976.6	3931.4	3946.8
65°	1522.2	1544.3	1745.8	2229.5	2872.2	3655.5	4158.6	4210.6	4100.8	4043.9	4064.2
67.5°	919.2	935.4	1081.3	1472.0	2197.9	3234.5	4097.7	4345.2	4188.5	4096.8	4113.5
68°	821.6	836.5	958.5	1328.4	2033.0	3115.7	4042.1	4360.5	4197.9	4095.9	4110.8
70°	496.4	506.3	588.1	821.2	1355.5	2471.6	3663.1	4347.9	4258.5	4108.5	4117.1
72.5°	323.4	326.6	340.1	421.4	692.4	1382.1	2749.4	4051.6	4349.2	4182.1	4180.8
75°	268.8	266.9	268.3	277.8	341.5	606.2	1606.6	3200.6	4146.0	4066.0	4037.6
77.5°	227.2	225.8	225.4	225.8	228.6	292.7	697.4	1993.7	3172.6	3596.7	3622.0
80°	183.8	182.0	187.9	185.2	177.1	182.0	292.2	829.3	1495.5	1608.9	1507.7
82.5°	133.7	126.9	152.2	145.0	138.2	128.3	161.3	267.8	356.8	244.8	172.1
85°	103.0	95.8	115.6	111.1	94.9	65.5	95.8	131.0	144.5	82.7	65.0
87.5°	42.0	44.3	83.6	65.9	55.6	31.6	39.3	52.4	70.5	35.2	27.1
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)