

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: P317046

Luminaire Tested: **GAN-SA2C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317046
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-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12371 lumens
Efficiency: N/A
Efficacy: 109.5 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

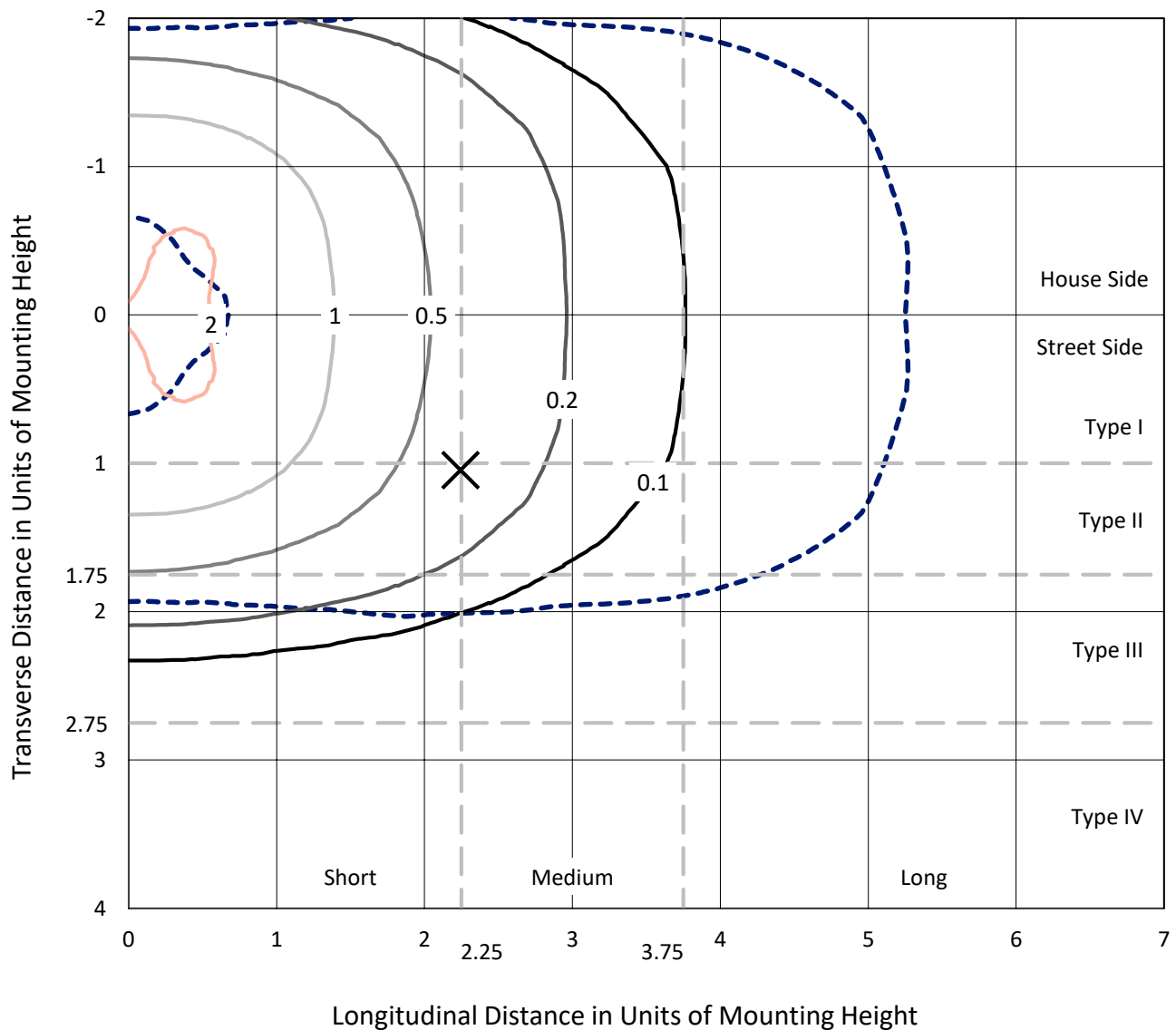


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Iso-Footcandle Lines of Horizontal Illumination

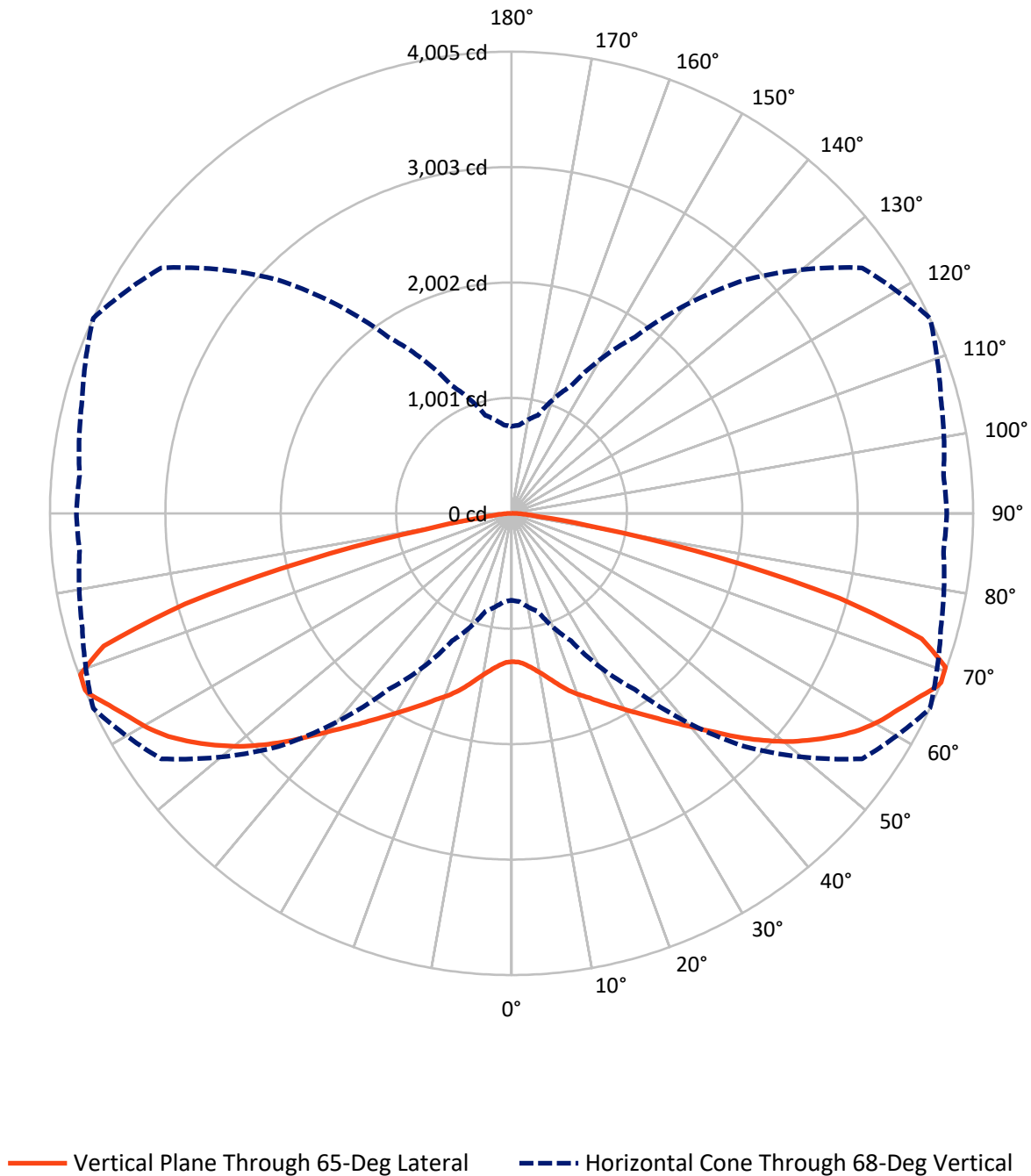
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	6185.5	0.0	6185.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6185.5	0.0	6185.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12371.0	0.0	12371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.0
10°-20°	421.7	3.4
20°-30°	822.2	6.6
30°-40°	1381.2	11.2
40°-50°	2176.3	17.6
50°-60°	2910.4	23.5
60°-70°	2829.3	22.9
70°-80°	1546.6	12.5
80°-90°	157.3	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°	12371.0	100.0
0°-180°	12371.0	100.0

Coefficient of Utilization



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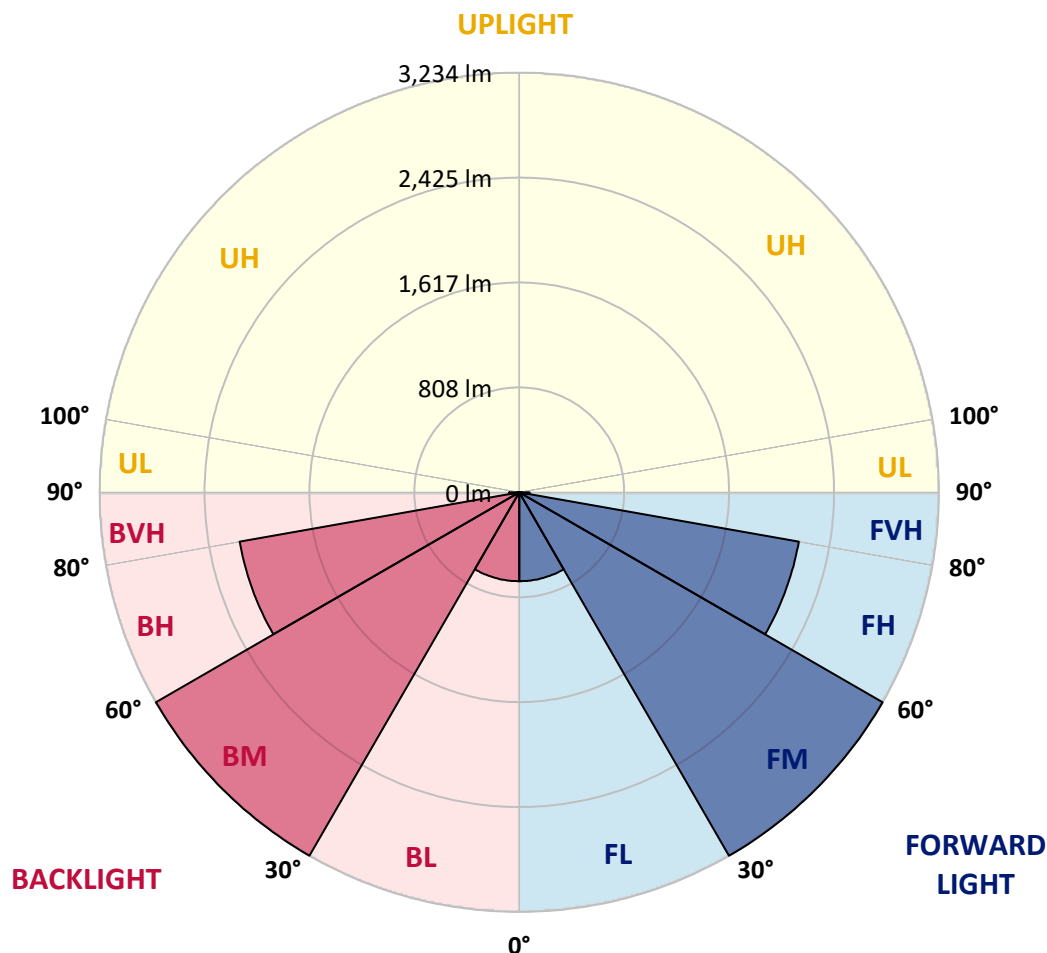
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	684.9	5.5			
FM	(30°-60°)	3234.0	26.1			
FH	(60°-80°)	2188.0	17.7			G2/5000
FVH	(80°-90°)	78.6	0.6			G1/100
BL	(0°-30°)	684.9	5.5	B2/1000		
BM	(30°-60°)	3234.0	26.1	B3/5000		
BH	(60°-80°)	2188.0	17.7	B3/2500		G3/2500
BVH	(80°-90°)	78.6	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°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1277.2	1277.6	1279.7	1282.1	1284.2	1289.6	1290.9	1292.9	1293.8	1295.8	1295.8
5°	1266.0	1266.8	1271.8	1278.4	1285.9	1299.2	1308.7	1319.5	1324.9	1330.7	1330.3
7.5°	1264.7	1266.8	1273.8	1284.6	1297.1	1319.1	1339.0	1360.5	1375.1	1388.3	1387.5
10°	1277.6	1280.9	1290.9	1307.0	1325.7	1353.1	1382.5	1411.6	1436.9	1457.2	1458.0
12.5°	1297.1	1301.2	1317.0	1341.5	1369.7	1404.9	1439.8	1472.5	1507.4	1537.7	1540.2
15°	1322.8	1328.2	1351.8	1388.3	1431.5	1473.4	1510.7	1544.3	1584.5	1626.4	1630.6
17.5°	1361.0	1368.4	1399.5	1448.9	1505.7	1551.8	1590.8	1616.1	1649.7	1692.8	1700.7
20°	1419.0	1428.6	1468.0	1526.9	1596.1	1644.3	1674.1	1679.5	1696.1	1734.7	1743.8
22.5°	1494.5	1502.8	1546.8	1616.9	1694.5	1746.7	1762.5	1740.9	1739.3	1770.4	1779.1
25°	1578.7	1586.2	1637.2	1716.0	1799.4	1857.1	1856.6	1814.7	1785.7	1809.8	1818.9
27.5°	1673.3	1684.9	1733.9	1816.8	1906.0	1962.8	1959.5	1894.8	1839.6	1845.9	1853.7
30°	1782.0	1794.8	1842.5	1926.7	2015.9	2071.5	2067.4	1981.9	1899.0	1882.4	1888.2
32.5°	1916.8	1932.1	1977.3	2060.3	2139.1	2189.3	2177.3	2076.5	1970.3	1934.2	1939.6
35°	2079.0	2088.1	2135.8	2217.5	2281.4	2315.8	2290.5	2186.0	2060.7	2017.2	2017.2
37.5°	2243.2	2250.3	2303.8	2383.0	2444.8	2463.1	2413.7	2305.9	2178.9	2117.1	2118.4
40°	2400.9	2419.9	2480.1	2561.4	2622.4	2627.3	2561.8	2442.8	2310.4	2246.6	2254.0
42.5°	2565.5	2584.2	2656.0	2748.0	2802.0	2810.3	2733.5	2596.2	2458.9	2407.1	2415.4
45°	2712.4	2727.3	2810.3	2917.3	2984.5	3006.1	2915.2	2772.1	2619.5	2568.9	2570.9
47.5°	2814.8	2834.3	2925.6	3051.7	3149.6	3182.8	3093.6	2943.4	2777.5	2716.1	2721.5
50°	2907.7	2918.1	3010.6	3148.3	3272.8	3341.2	3264.9	3112.7	2937.2	2872.1	2877.9
52.5°	2959.6	2972.9	3062.5	3206.0	3353.2	3463.6	3417.1	3264.9	3091.5	3028.0	3035.1
55°	2923.5	2933.5	3040.9	3218.8	3403.0	3539.1	3546.1	3413.8	3242.9	3187.3	3207.2
57.5°	2759.2	2771.7	2902.8	3135.9	3409.2	3590.1	3643.2	3551.9	3384.3	3339.1	3350.7
60°	2502.5	2510.4	2650.2	2912.3	3288.1	3611.2	3705.0	3664.8	3522.9	3477.7	3493.4
62.5°	2045.0	2056.6	2223.7	2575.1	3032.2	3548.6	3764.7	3758.1	3651.9	3610.4	3624.5
65°	1397.9	1418.2	1603.2	2047.4	2637.7	3357.0	3819.1	3866.8	3766.0	3713.7	3732.4
67.5°	844.1	859.0	993.0	1351.8	2018.4	2970.4	3763.1	3990.4	3846.4	3762.2	3777.6
68°	754.5	768.2	880.2	1219.9	1867.0	2861.3	3712.0	4004.5	3855.1	3761.4	3775.1
70°	455.9	465.0	540.1	754.1	1244.8	2269.8	3364.0	3992.9	3910.7	3773.0	3780.9
72.5°	297.0	299.9	312.3	387.0	635.9	1269.3	2524.9	3720.8	3994.1	3840.6	3839.4
75°	246.8	245.1	246.4	255.1	313.6	556.7	1475.4	2939.3	3807.4	3734.0	3707.9
77.5°	208.6	207.4	207.0	207.4	209.9	268.8	640.5	1830.9	2913.6	3303.0	3326.3
80°	168.8	167.2	172.6	170.1	162.6	167.2	268.4	761.6	1373.4	1477.5	1384.6
82.5°	122.8	116.6	139.8	133.2	126.9	117.8	148.1	246.0	327.7	224.8	158.0
85°	94.6	87.9	106.2	102.0	87.1	60.1	87.9	120.3	132.7	75.9	59.7
87.5°	38.6	40.7	76.7	60.6	51.0	29.0	36.1	48.1	64.7	32.4	24.9
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)