

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: P317056

Luminaire Tested: **GAN-SA2D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317056
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-SA2D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13571 lumens
Efficiency: N/A
Efficacy: 105.2 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): 129
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



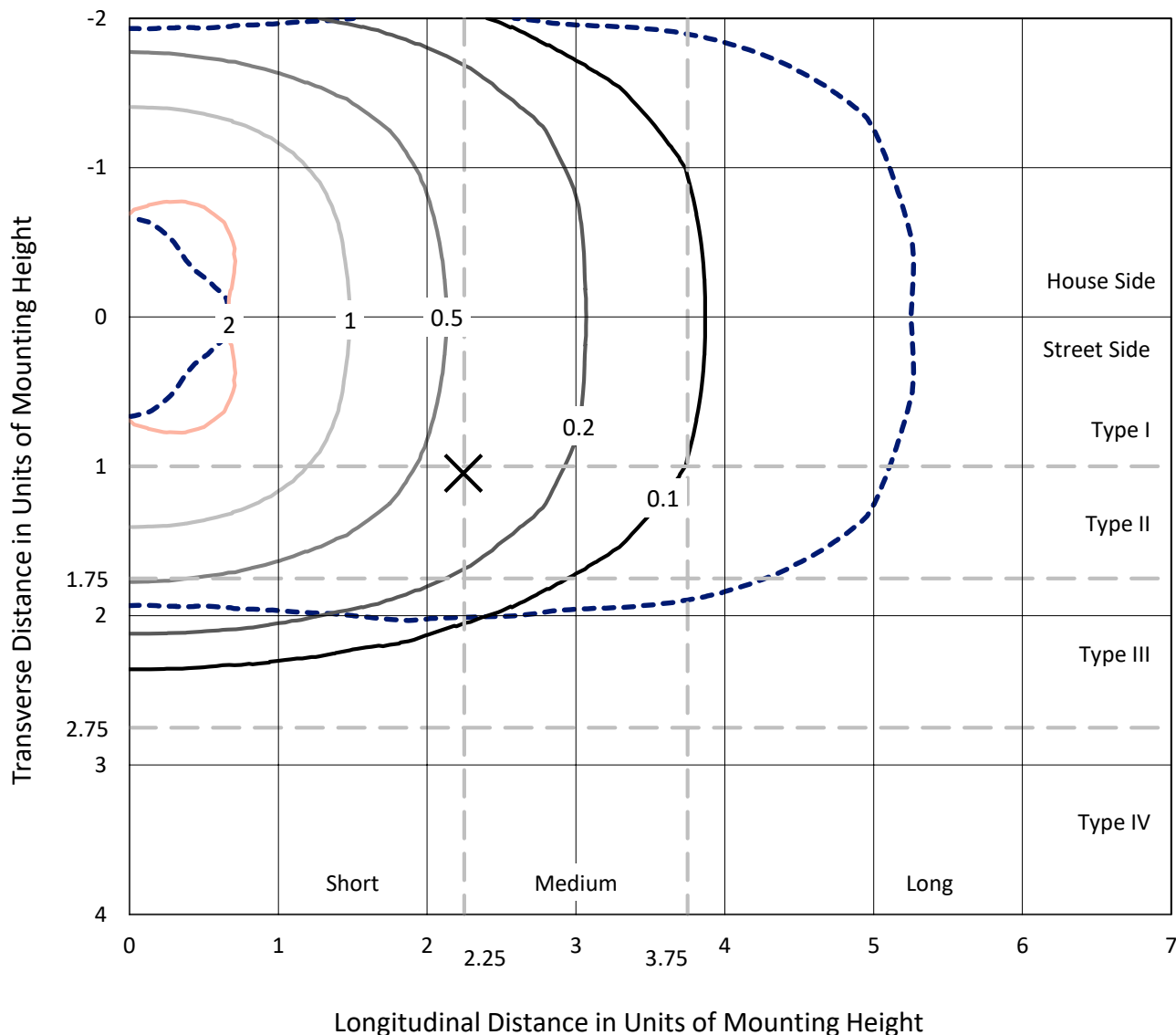
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

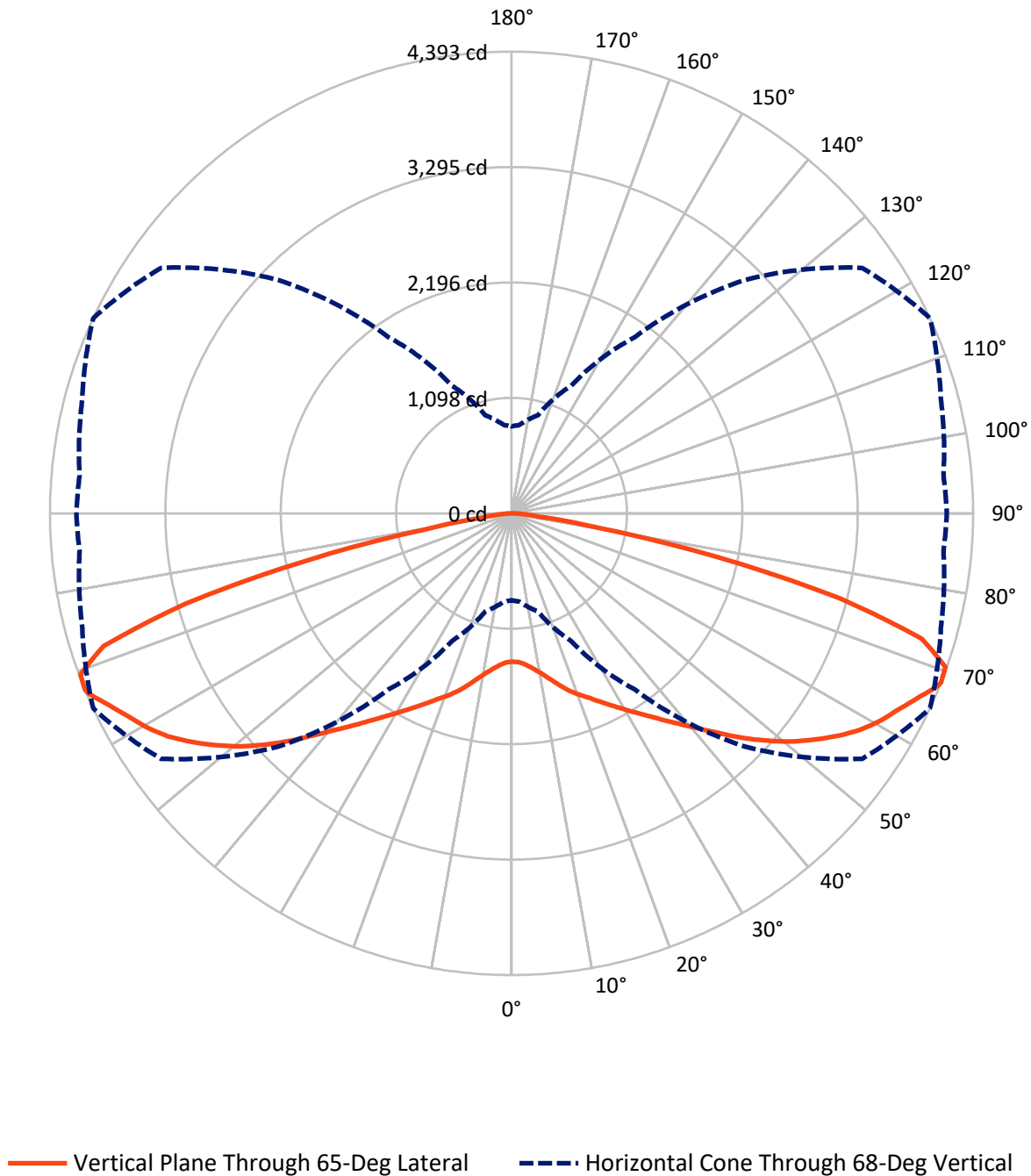


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

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	6785.5	0.0	6785.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6785.5	0.0	6785.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13571.0	0.0	13571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	1.0
10°-20°	462.6	3.4
20°-30°	901.9	6.6
30°-40°	1515.2	11.2
40°-50°	2387.4	17.6
50°-60°	3192.7	23.5
60°-70°	3103.8	22.9
70°-80°	1696.7	12.5
80°-90°	172.6	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°	13571.0	100.0
0°-180°	13571.0	100.0

Coefficient of Utilization



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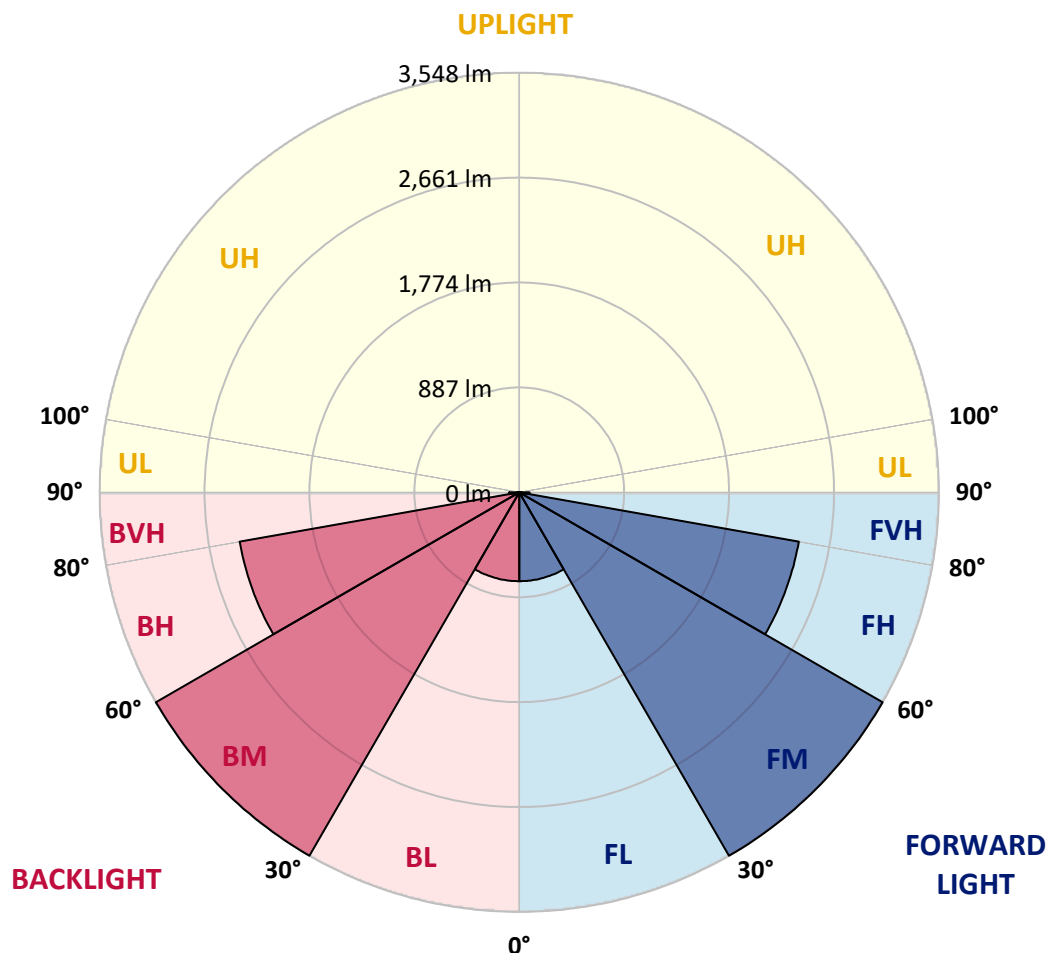
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.3	5.5			
FM	(30°-60°)	3547.7	26.1			
FH	(60°-80°)	2400.2	17.7			G2/5000
FVH	(80°-90°)	86.3	0.6			G1/100
BL	(0°-30°)	751.3	5.5	B2/1000		
BM	(30°-60°)	3547.7	26.1	B3/5000		
BH	(60°-80°)	2400.2	17.7	B3/2500		G3/2500
BVH	(80°-90°)	86.3	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°	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1
2.5°	1401.1	1401.5	1403.8	1406.5	1408.8	1414.7	1416.1	1418.3	1419.3	1421.5	1421.5
5°	1388.8	1389.7	1395.1	1402.4	1410.6	1425.2	1435.6	1447.5	1453.4	1459.8	1459.3
7.5°	1387.4	1389.7	1397.4	1409.2	1422.9	1447.0	1468.9	1492.5	1508.4	1523.0	1522.1
10°	1401.5	1405.1	1416.1	1433.8	1454.3	1484.3	1516.6	1548.5	1576.2	1598.5	1599.4
12.5°	1422.9	1427.4	1444.7	1471.6	1502.5	1541.2	1579.4	1615.4	1653.6	1686.8	1689.5
15°	1451.1	1457.0	1483.0	1523.0	1570.3	1616.3	1657.2	1694.1	1738.2	1784.2	1788.7
17.5°	1493.0	1501.2	1535.3	1589.4	1651.8	1702.3	1745.1	1772.8	1809.7	1857.0	1865.6
20°	1556.7	1567.1	1610.4	1675.0	1751.0	1803.8	1836.5	1842.4	1860.6	1903.0	1913.0
22.5°	1639.5	1648.6	1696.8	1773.7	1858.8	1916.2	1933.4	1909.8	1908.0	1942.1	1951.6
25°	1731.9	1740.1	1796.0	1882.5	1973.9	2037.2	2036.7	1990.8	1958.9	1985.3	1995.3
27.5°	1835.6	1848.4	1902.0	1993.1	2090.9	2153.2	2149.6	2078.6	2018.1	2024.9	2033.6
30°	1954.8	1968.9	2021.3	2113.6	2211.5	2272.4	2267.9	2174.2	2083.2	2065.0	2071.3
32.5°	2102.7	2119.6	2169.2	2260.2	2346.6	2401.7	2388.5	2277.9	2161.4	2121.8	2127.7
35°	2280.6	2290.6	2343.0	2432.6	2502.7	2540.5	2512.7	2398.0	2260.6	2212.8	2212.8
37.5°	2460.8	2468.6	2527.3	2614.2	2682.0	2702.0	2647.9	2529.5	2390.3	2322.5	2323.9
40°	2633.7	2654.7	2720.7	2809.8	2876.7	2882.2	2810.3	2679.7	2534.5	2464.5	2472.7
42.5°	2814.4	2834.9	2913.6	3014.6	3073.8	3082.9	2998.7	2848.1	2697.4	2640.6	2649.7
45°	2975.5	2991.9	3082.9	3200.3	3274.0	3297.6	3198.0	3041.0	2873.5	2818.0	2820.3
47.5°	3087.9	3109.3	3209.4	3347.7	3455.1	3491.5	3393.7	3228.9	3046.9	2979.6	2985.5
50°	3189.8	3201.2	3302.6	3453.7	3590.2	3665.3	3581.6	3414.6	3222.1	3150.7	3157.0
52.5°	3246.7	3261.2	3359.5	3517.0	3678.5	3799.5	3748.6	3581.6	3391.4	3321.8	3329.5
55°	3207.1	3218.0	3335.9	3531.1	3733.1	3882.4	3890.1	3744.9	3557.5	3496.5	3518.3
57.5°	3026.9	3040.5	3184.3	3440.1	3739.9	3938.3	3996.6	3896.5	3712.6	3663.0	3675.8
60°	2745.2	2753.9	2907.2	3194.8	3607.1	3961.5	4064.4	4020.2	3864.6	3815.0	3832.3
62.5°	2243.3	2256.1	2439.4	2824.9	3326.3	3892.8	4129.9	4122.6	4006.1	3960.6	3976.1
65°	1533.5	1555.8	1758.7	2246.1	2893.6	3682.6	4189.5	4241.8	4131.3	4073.9	4094.4
67.5°	926.0	942.4	1089.4	1483.0	2214.2	3258.5	4128.1	4377.4	4219.5	4127.2	4144.0
68°	827.7	842.7	965.6	1338.3	2048.1	3138.8	4072.1	4392.9	4229.1	4126.3	4141.3
70°	500.1	510.1	592.5	827.3	1365.6	2490.0	3690.3	4380.2	4290.1	4139.0	4147.6
72.5°	325.8	329.0	342.6	424.5	697.6	1392.4	2769.8	4081.7	4381.5	4213.2	4211.8
75°	270.7	268.9	270.3	279.8	344.0	610.7	1618.6	3224.4	4176.8	4096.2	4067.6
77.5°	228.9	227.5	227.1	227.5	230.2	294.9	702.6	2008.5	3196.2	3623.4	3648.9
80°	185.2	183.4	189.3	186.6	178.4	183.4	294.4	835.4	1506.6	1620.8	1518.9
82.5°	134.7	127.9	153.3	146.1	139.2	129.2	162.4	269.8	359.5	246.6	173.4
85°	103.7	96.5	116.5	111.9	95.6	66.0	96.5	132.0	145.6	83.3	65.5
87.5°	42.3	44.6	84.2	66.4	56.0	31.9	39.6	52.8	71.0	35.5	27.3
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)