

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: P316726

Luminaire Tested: **GAN-SA2C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12484 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

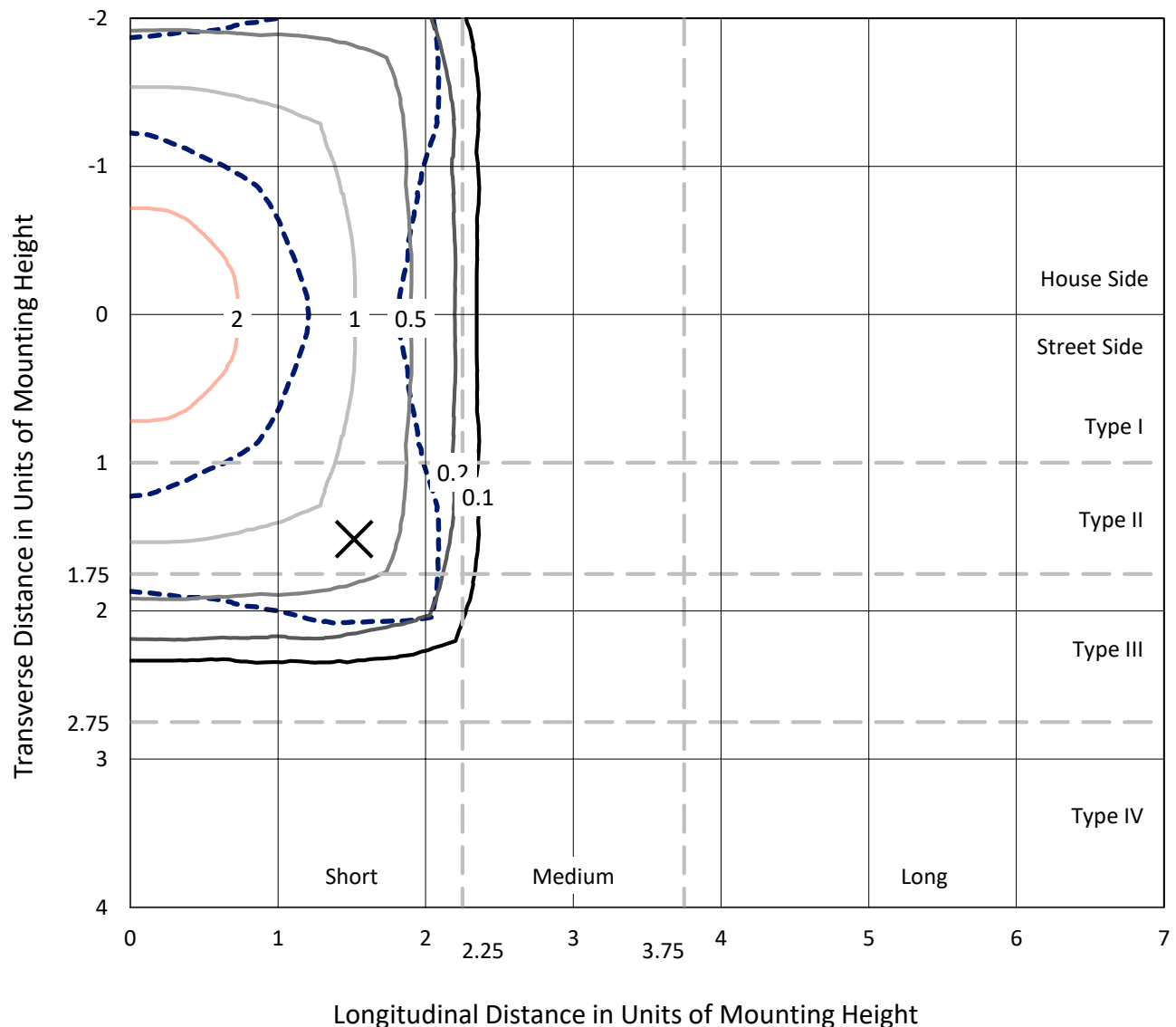
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

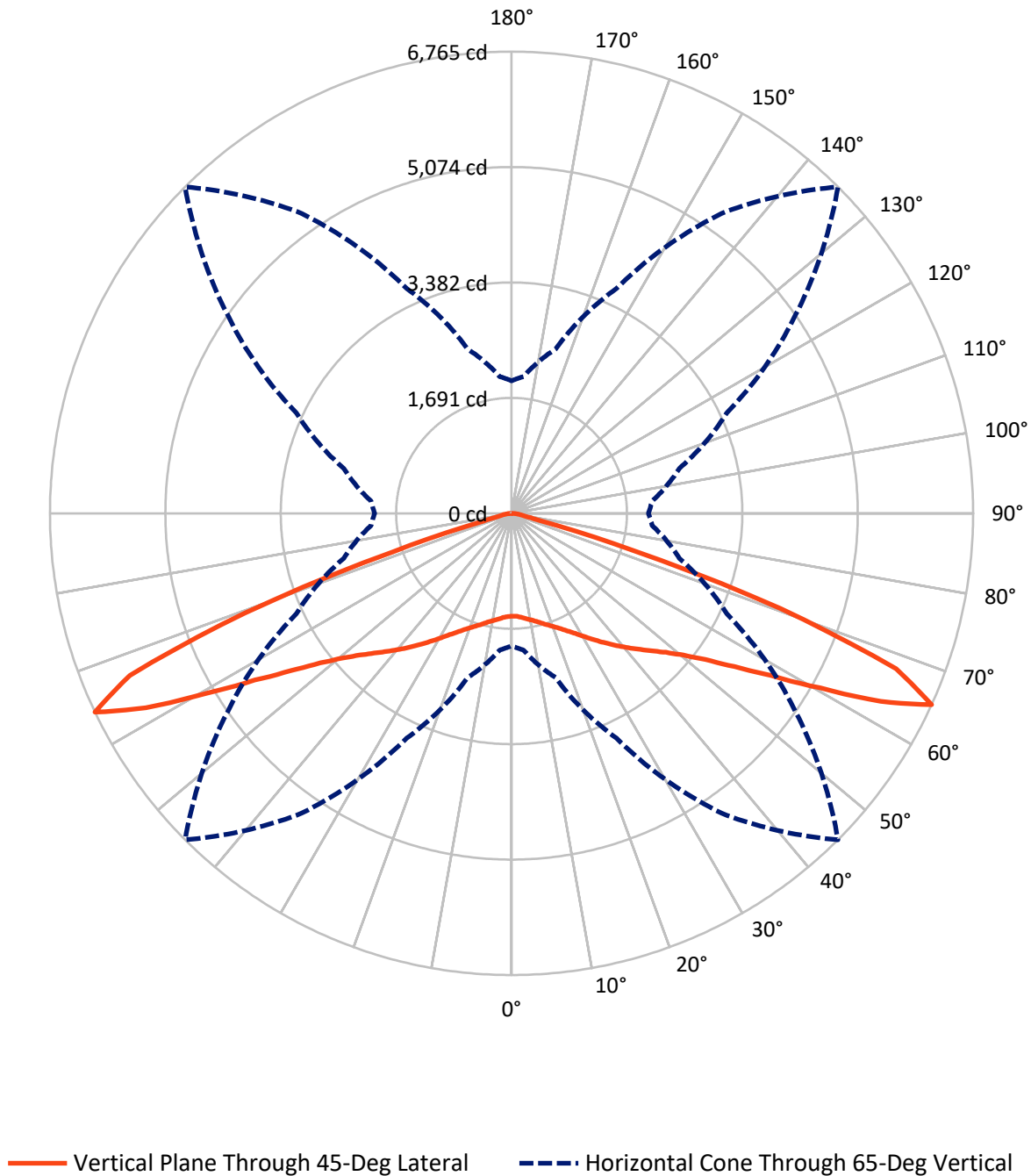
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6242.0	0.0	6242.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6242.0	0.0	6242.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12484.0	0.0	12484.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	1.2
10°-20°	475.4	3.8
20°-30°	892.0	7.1
30°-40°	1475.2	11.8
40°-50°	2284.9	18.3
50°-60°	3504.4	28.1
60°-70°	3270.0	26.2
70°-80°	380.6	3.0
80°-90°	53.5	0.4
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°	12484.0	100.0
0°-180°	12484.0	100.0

Coefficient of Utilization



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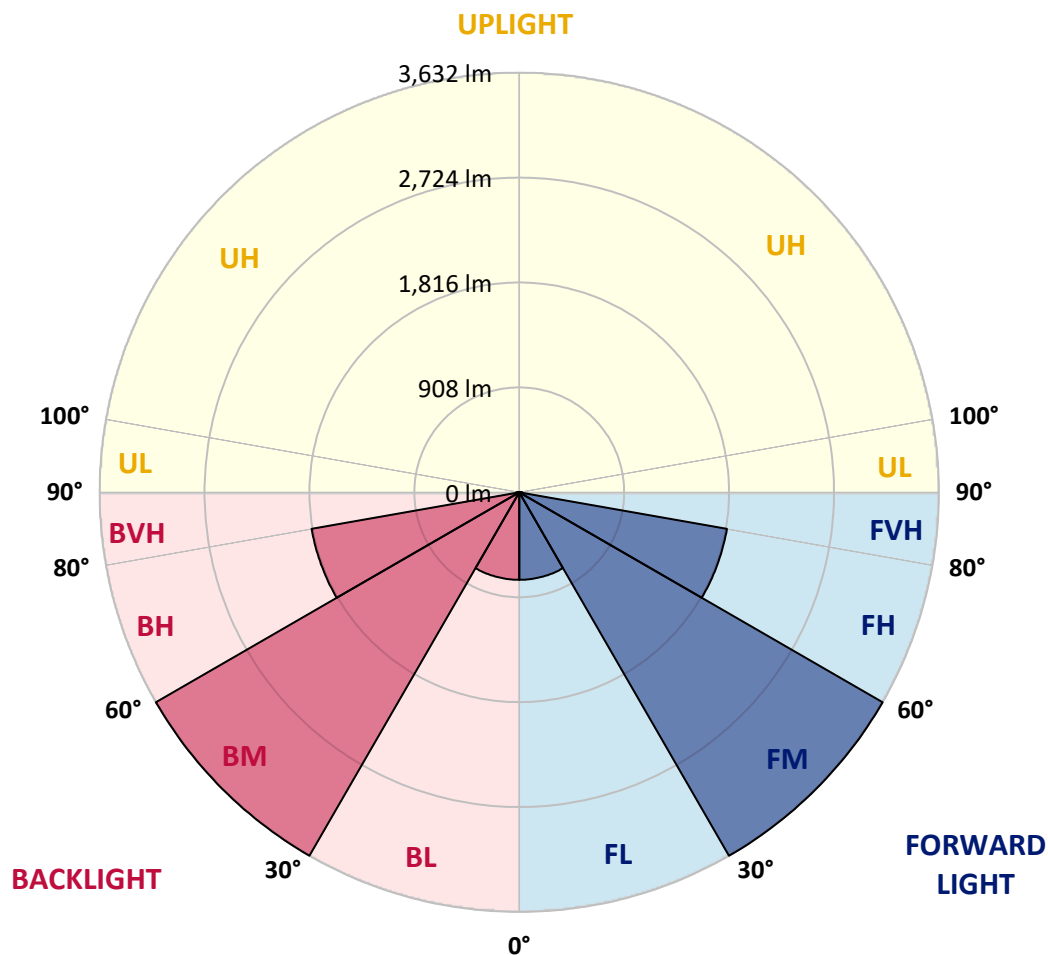
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	757.7	6.1			
FM	(30°-60°)	3632.3	29.1			
FH	(60°-80°)	1825.3	14.6			G2/5000
FVH	(80°-90°)	26.7	0.2			G1/100
BL	(0°-30°)	757.7	6.1	B2/1000		
BM	(30°-60°)	3632.3	29.1	B3/5000		
BH	(60°-80°)	1825.3	14.6	B3/2500		G2/5000
BVH	(80°-90°)	26.7	0.2			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°	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6	1507.6
2.5°	1512.6	1511.7	1512.6	1513.0	1510.5	1511.7	1511.3	1513.4	1514.2	1513.4	1513.4
5°	1530.0	1528.7	1530.4	1532.5	1529.2	1530.0	1528.7	1531.2	1532.1	1530.4	1531.6
7.5°	1554.0	1554.4	1556.1	1559.8	1557.7	1559.4	1556.9	1557.3	1556.9	1554.4	1554.8
10°	1580.1	1580.5	1583.4	1588.4	1589.2	1589.2	1587.6	1586.3	1584.7	1583.0	1583.4
12.5°	1611.6	1613.7	1615.8	1622.0	1622.0	1625.3	1624.5	1621.1	1618.2	1615.8	1615.8
15°	1654.3	1653.9	1656.4	1662.6	1665.5	1670.9	1670.9	1666.3	1662.6	1660.1	1659.3
17.5°	1699.1	1700.3	1702.0	1709.4	1714.0	1720.2	1721.0	1717.3	1714.8	1711.5	1709.4
20°	1751.3	1753.3	1760.0	1762.9	1767.0	1772.8	1774.9	1774.1	1771.6	1769.9	1770.3
22.5°	1812.2	1817.6	1821.7	1825.9	1830.8	1835.0	1837.1	1840.0	1837.5	1836.2	1835.4
25°	1886.0	1889.7	1898.0	1905.4	1908.7	1910.0	1912.5	1916.6	1916.2	1913.3	1913.3
27.5°	1969.7	1976.7	1987.1	1997.8	1997.8	1993.7	2002.0	2009.0	2006.5	2002.8	1997.8
30°	2071.2	2077.8	2089.8	2104.8	2097.3	2094.4	2105.6	2118.4	2114.7	2108.5	2107.7
32.5°	2180.6	2186.8	2202.6	2218.7	2209.2	2205.0	2217.1	2235.7	2229.1	2216.6	2209.2
35°	2299.1	2305.3	2327.7	2347.2	2331.0	2324.0	2333.9	2354.2	2342.6	2319.4	2313.6
37.5°	2428.0	2431.3	2460.3	2480.2	2469.0	2450.4	2462.8	2477.7	2467.8	2439.6	2428.4
40°	2561.8	2573.9	2607.4	2630.6	2611.2	2581.7	2602.5	2623.2	2608.3	2572.2	2553.1
42.5°	2718.1	2727.2	2771.9	2792.7	2761.2	2719.7	2747.9	2776.1	2761.2	2726.4	2709.8
45°	2880.5	2894.6	2948.1	2968.8	2923.2	2870.6	2905.0	2954.3	2953.0	2902.9	2885.5
47.5°	3057.5	3071.6	3135.4	3162.7	3113.4	3043.0	3091.5	3161.1	3156.1	3101.0	3086.9
50°	3261.8	3276.7	3356.3	3390.7	3344.7	3262.6	3335.5	3396.9	3387.8	3319.8	3321.0
52.5°	3518.3	3517.5	3616.5	3676.2	3628.9	3556.4	3623.5	3683.2	3645.5	3551.4	3548.5
55°	3742.9	3756.6	3879.2	3992.4	3989.5	3961.7	3988.6	3991.1	3883.4	3758.2	3742.9
57.5°	3890.4	3916.5	4089.3	4294.1	4447.4	4484.3	4432.0	4273.7	4021.4	3821.2	3796.8
60°	3799.7	3839.5	4110.9	4528.2	4979.9	5196.6	4902.0	4410.9	3914.0	3635.2	3602.0
62.5°	3187.2	3254.3	3651.7	4415.1	5438.2	6071.8	5242.6	4190.9	3487.2	3103.1	3046.3
65°	1941.1	2011.9	2491.0	3633.9	5364.0	6764.7	5087.2	3478.5	2545.3	2067.5	2006.1
67.5°	646.9	667.6	949.8	2008.6	4215.7	6078.1	4222.8	2082.4	1107.7	734.3	712.8
70°	253.2	255.3	301.3	582.2	1990.8	4174.7	2196.8	592.6	314.9	249.1	254.4
72.5°	186.1	186.9	199.7	243.3	518.8	1839.1	537.5	244.5	194.4	174.5	174.5
75°	149.6	149.6	158.7	177.4	232.5	421.9	235.8	175.3	152.1	139.2	137.6
77.5°	118.1	120.6	127.6	139.7	157.5	203.1	163.3	138.8	122.7	110.6	108.2
80°	87.9	90.3	101.9	107.7	113.1	140.9	120.6	108.6	97.0	82.9	80.4
82.5°	57.6	60.1	74.6	77.9	76.7	92.0	81.2	80.0	71.3	53.5	51.0
85°	37.7	38.5	49.7	51.8	47.7	41.9	51.8	54.7	49.7	34.8	33.6
87.5°	17.8	17.8	25.3	23.6	21.5	17.4	23.6	27.8	28.2	17.0	16.6
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)