

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: P316406

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12714 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

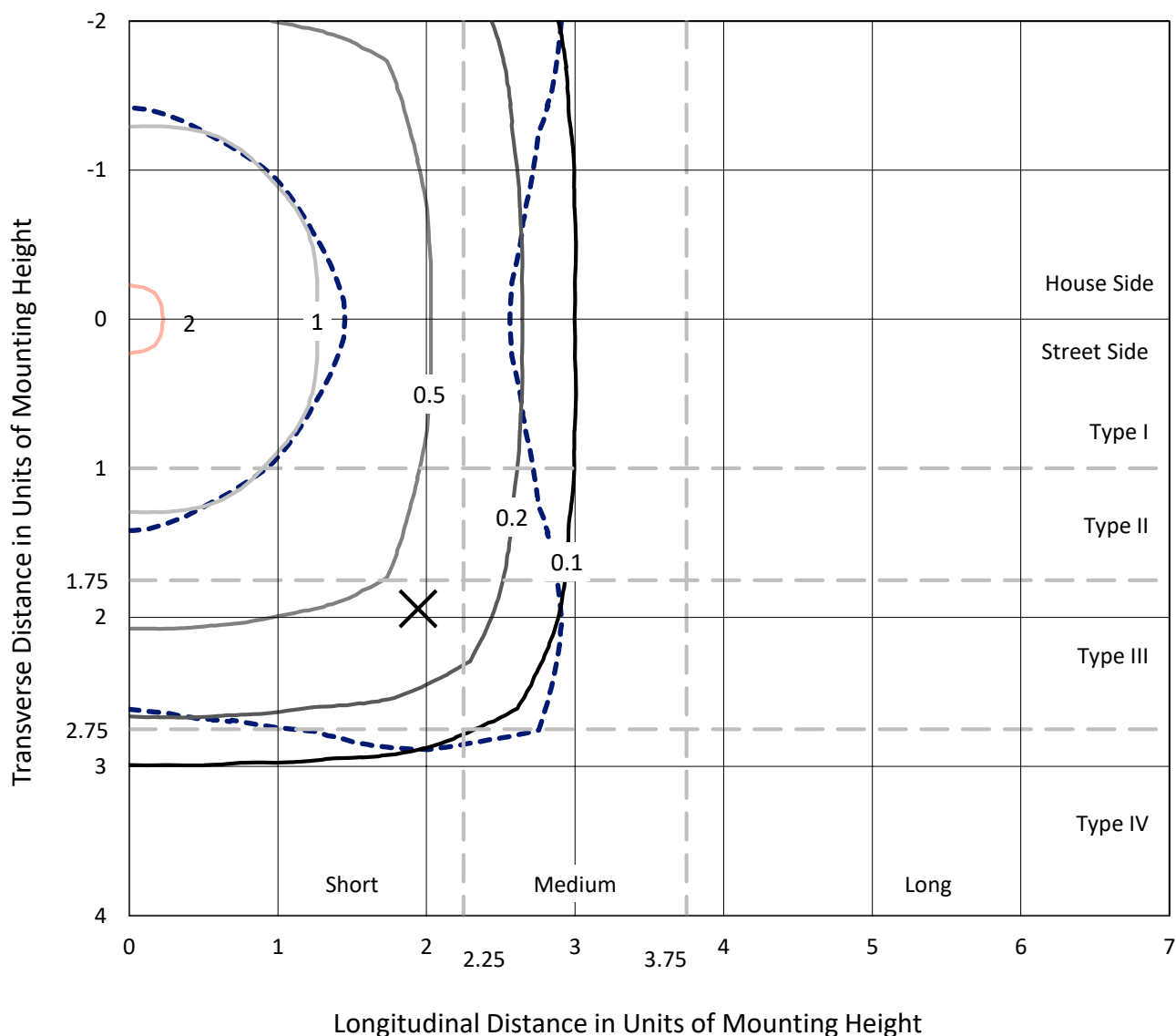
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

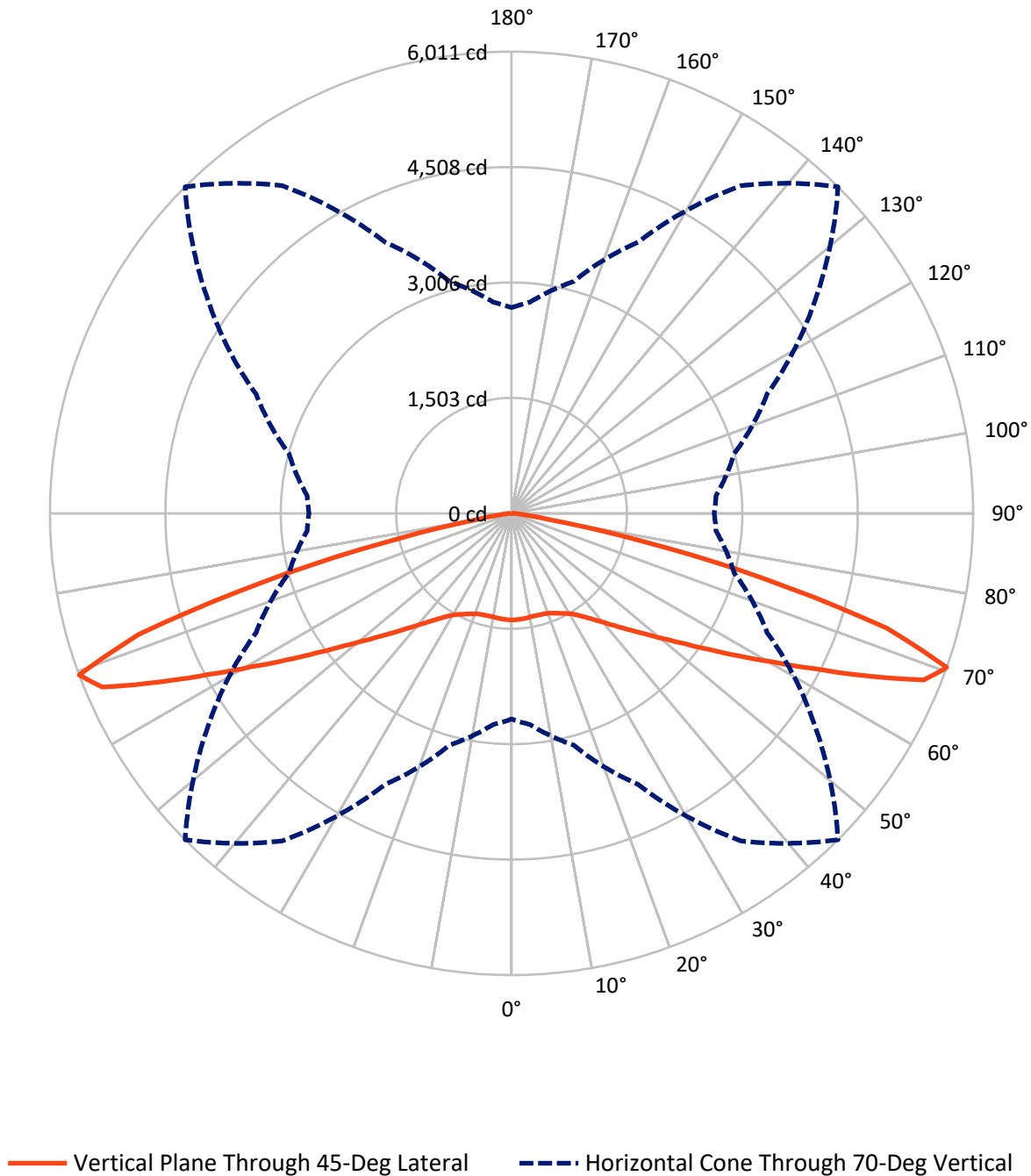
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	6357.0	0.0	6357.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6357.0	0.0	6357.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12714.0	0.0	12714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.0
10°-20°	386.1	3.0
20°-30°	657.2	5.2
30°-40°	1042.4	8.2
40°-50°	1696.3	13.3
50°-60°	2796.8	22.0
60°-70°	4105.8	32.3
70°-80°	1815.6	14.3
80°-90°	82.2	0.6
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°	12714.0	100.0
0°-180°	12714.0	100.0

Coefficient of Utilization



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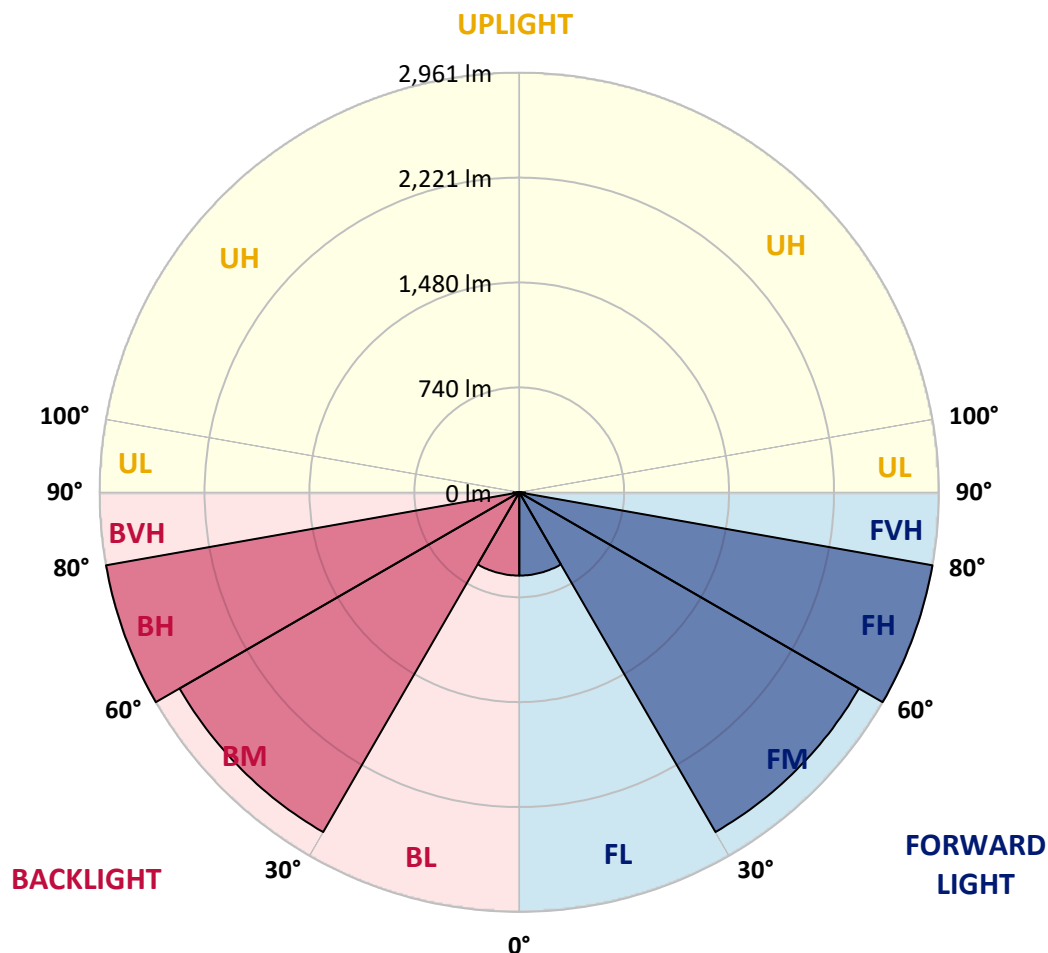
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.4	4.6			
FM	(30°-60°)	2767.7	21.8			
FH	(60°-80°)	2960.7	23.3			G2/5000
FVH	(80°-90°)	41.1	0.3			G1/100
BL	(0°-30°)	587.4	4.6	B2/1000		
BM	(30°-60°)	2767.7	21.8	B3/5000		
BH	(60°-80°)	2960.7	23.3	B4/5000		G2/5000
BVH	(80°-90°)	41.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1386.5	1385.2	1388.1	1387.7	1385.2	1385.6	1385.6	1386.9	1386.9	1386.0	1386.0
5°	1381.4	1380.6	1383.9	1383.9	1381.4	1382.3	1383.1	1384.4	1383.9	1383.1	1382.7
7.5°	1375.1	1374.7	1378.0	1378.0	1376.4	1377.2	1376.4	1376.8	1375.9	1375.1	1373.8
10°	1364.6	1365.4	1368.4	1369.2	1369.2	1369.6	1368.8	1366.7	1365.4	1364.2	1362.9
12.5°	1354.9	1354.5	1358.7	1360.8	1364.2	1367.9	1365.4	1359.5	1357.0	1354.5	1353.6
15°	1348.6	1349.0	1353.2	1357.0	1362.9	1370.9	1367.9	1358.7	1353.6	1350.7	1349.9
17.5°	1347.3	1348.2	1353.6	1360.4	1366.7	1375.5	1373.8	1364.6	1356.2	1350.7	1349.4
20°	1350.3	1350.7	1359.1	1368.8	1379.7	1388.1	1384.4	1374.3	1362.9	1354.5	1352.4
22.5°	1355.7	1357.4	1367.9	1383.1	1399.9	1411.3	1406.7	1389.4	1371.7	1361.2	1358.3
25°	1373.0	1373.4	1387.7	1408.3	1428.5	1441.6	1436.1	1411.7	1389.0	1377.2	1373.4
27.5°	1408.8	1410.0	1424.3	1448.3	1465.6	1474.0	1470.6	1450.8	1431.5	1418.9	1420.1
30°	1460.5	1462.2	1478.2	1504.7	1515.2	1517.3	1516.5	1507.2	1489.6	1472.7	1474.0
32.5°	1523.6	1524.5	1545.9	1569.9	1578.3	1580.0	1578.3	1569.9	1548.9	1526.2	1527.4
35°	1604.8	1607.4	1628.0	1651.1	1657.9	1661.2	1658.3	1647.3	1625.5	1603.2	1602.3
37.5°	1705.0	1705.4	1726.9	1750.9	1759.3	1760.1	1756.7	1749.6	1722.2	1702.0	1700.8
40°	1821.1	1822.8	1848.1	1873.7	1877.1	1873.3	1877.9	1873.7	1845.5	1822.4	1826.2
42.5°	1962.5	1966.3	1996.6	2021.8	2012.2	2010.1	2013.0	2014.3	1991.5	1963.3	1960.8
45°	2127.0	2130.4	2168.3	2188.5	2182.2	2168.3	2174.2	2184.3	2152.7	2117.8	2121.1
47.5°	2314.7	2323.1	2363.5	2382.4	2366.9	2347.9	2359.3	2374.4	2337.4	2294.1	2292.0
50°	2523.4	2533.9	2587.8	2614.3	2598.7	2563.8	2582.7	2592.8	2539.4	2483.4	2478.8
52.5°	2746.0	2756.5	2824.3	2879.0	2868.9	2814.6	2841.1	2830.6	2769.1	2693.8	2687.9
55°	2998.0	3002.2	3075.5	3163.8	3173.9	3134.0	3132.3	3115.0	3024.1	2937.0	2932.8
57.5°	3257.2	3260.2	3354.9	3459.2	3506.8	3506.8	3459.6	3423.0	3302.3	3201.3	3190.8
60°	3537.1	3547.6	3652.4	3794.2	3905.2	3938.1	3854.7	3755.0	3623.7	3500.5	3488.2
62.5°	3786.2	3798.4	3958.7	4169.9	4348.3	4467.8	4264.2	4101.7	3862.7	3665.0	3641.8
65°	3817.7	3850.5	4084.1	4466.6	4865.9	5104.5	4714.0	4313.8	3878.3	3603.5	3580.0
67.5°	3486.6	3542.1	3857.7	4453.1	5278.2	5790.3	5001.4	4192.6	3598.9	3295.1	3269.0
70°	2679.1	2759.9	3123.9	3895.1	5207.1	6011.2	4821.3	3670.4	3000.6	2673.6	2637.0
72.5°	1469.8	1503.0	1830.4	2667.3	4174.5	5108.2	4021.4	2714.0	1989.9	1619.2	1557.7
75°	466.2	478.0	644.6	1091.5	2361.4	3383.5	2554.5	1332.2	733.4	540.7	534.4
77.5°	207.0	208.3	233.1	318.5	813.4	1714.2	977.0	362.7	249.9	218.4	225.5
80°	130.9	130.9	144.3	157.8	221.3	497.8	264.2	172.5	147.3	136.8	139.7
82.5°	62.7	69.4	93.8	101.0	121.6	167.5	135.5	112.8	98.5	73.2	68.2
85°	41.2	34.5	59.3	66.9	70.7	80.4	78.7	74.5	64.4	36.6	40.8
87.5°	18.5	17.7	30.7	28.2	26.5	20.2	30.3	37.4	36.2	18.1	18.1
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)