

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: P316067

Luminaire Tested: **GAN-SA3A-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12532 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

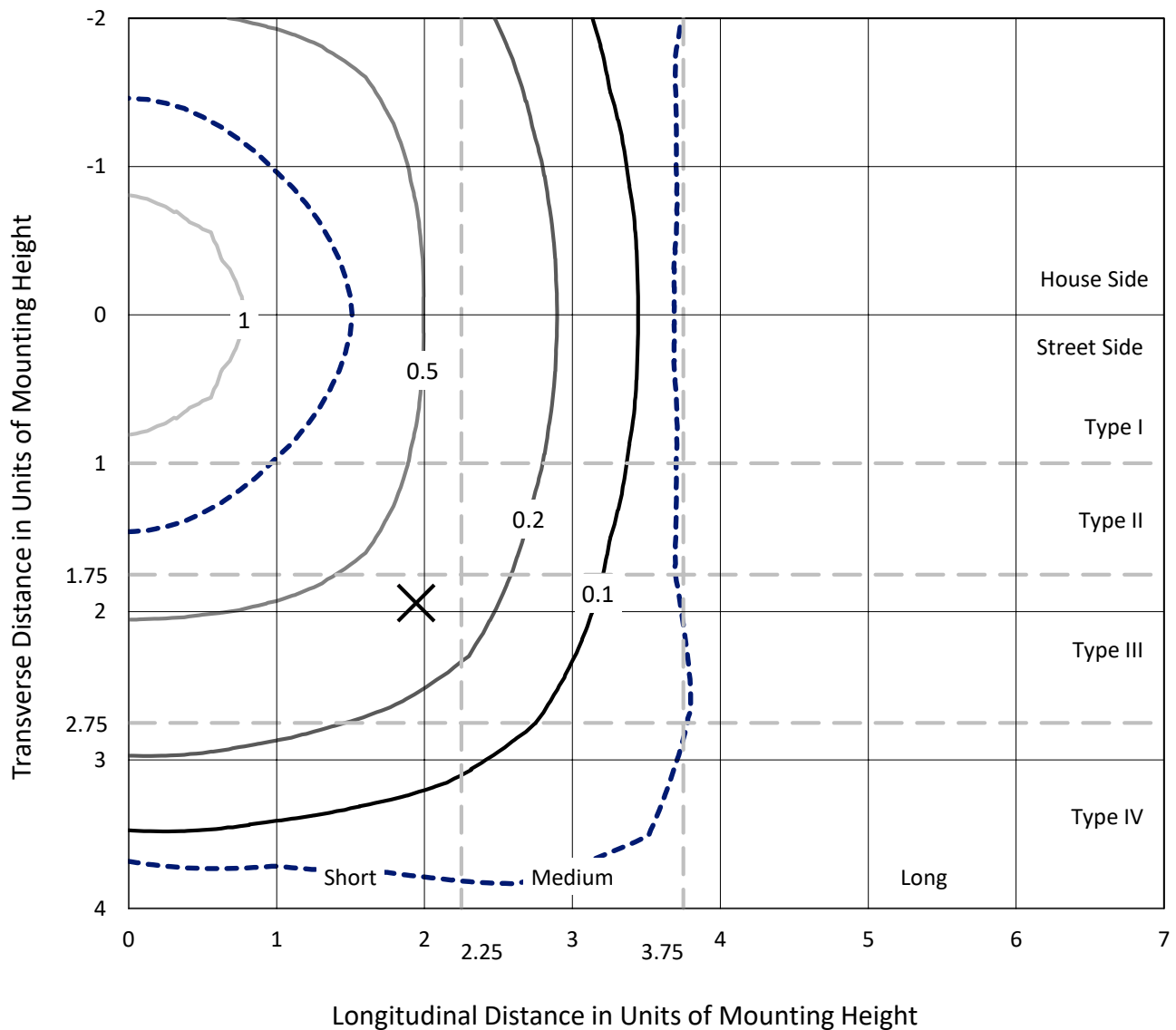
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

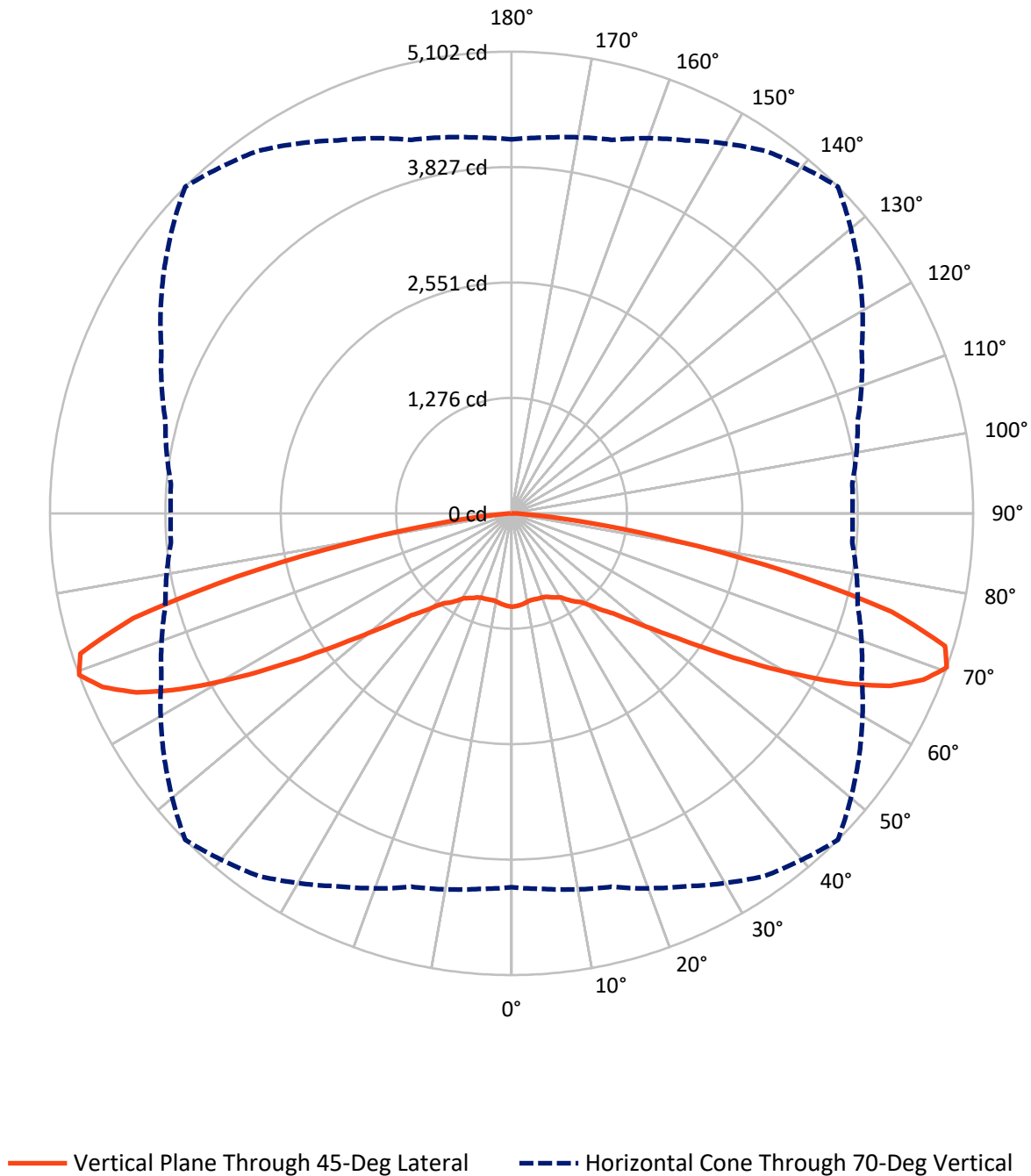
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	6266.0	0.0	6266.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6266.0	0.0	6266.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12532.0	0.0	12532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	0.8
10°-20°	281.2	2.2
20°-30°	479.4	3.8
30°-40°	749.1	6.0
40°-50°	1269.5	10.1
50°-60°	2315.1	18.5
60°-70°	3985.6	31.8
70°-80°	3124.1	24.9
80°-90°	231.7	1.8
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°	12532.0	100.0
0°-180°	12532.0	100.0

Coefficient of Utilization



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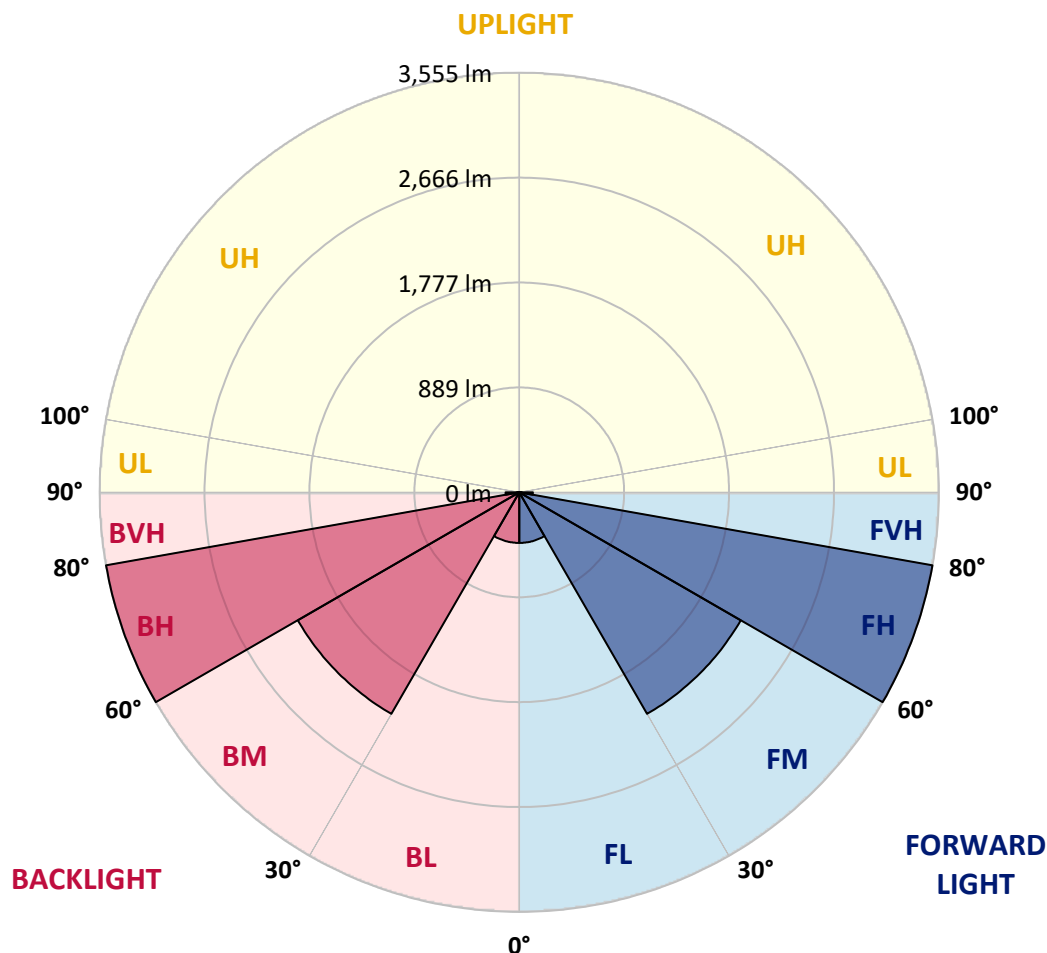
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.4	3.4			
FM	(30°-60°)	2166.9	17.3			
FH	(60°-80°)	3554.9	28.4			G2/5000
FVH	(80°-90°)	115.8	0.9			G2/225
BL	(0°-30°)	428.4	3.4	B1/500		
BM	(30°-60°)	2166.9	17.3	B2/2500		
BH	(60°-80°)	3554.9	28.4	B4/5000		G2/5000
BVH	(80°-90°)	115.8	0.9			G2/225
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°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4
2.5°	1026.8	1028.1	1026.8	1027.7	1025.6	1026.4	1026.4	1026.4	1026.0	1026.4	1025.6
5°	1017.7	1018.5	1016.9	1017.7	1016.5	1017.7	1018.1	1017.7	1016.9	1017.3	1015.6
7.5°	1004.0	1004.9	1003.6	1004.9	1003.2	1005.3	1004.9	1003.6	1002.4	1002.4	1000.7
10°	996.6	997.0	993.7	992.4	988.7	989.5	990.8	992.0	993.2	995.7	995.3
12.5°	997.0	997.0	992.0	986.6	981.2	982.5	984.5	989.1	994.1	998.6	999.1
15°	1001.1	1000.7	993.2	984.5	980.8	984.5	985.8	988.7	996.6	1004.4	1004.9
17.5°	1004.0	1004.0	992.4	982.5	982.1	987.9	987.4	988.7	997.4	1009.0	1009.4
20°	1009.4	1009.4	994.5	983.7	983.7	989.9	990.3	992.4	1001.1	1014.0	1016.0
22.5°	1021.4	1021.9	1006.1	997.4	998.2	1002.0	1003.2	1006.5	1014.4	1028.5	1031.0
25°	1038.4	1039.3	1023.1	1018.1	1021.0	1028.1	1027.2	1029.7	1038.4	1052.1	1054.6
27.5°	1062.1	1060.0	1045.1	1043.0	1045.9	1050.9	1050.5	1050.9	1057.9	1070.4	1073.3
30°	1092.7	1091.9	1081.1	1082.4	1081.1	1079.5	1079.9	1083.2	1086.9	1096.9	1099.8
32.5°	1122.6	1123.4	1116.8	1123.0	1132.1	1138.3	1128.8	1119.7	1115.5	1120.9	1123.4
35°	1176.5	1178.5	1168.2	1164.0	1176.5	1194.7	1167.8	1152.8	1161.1	1168.2	1170.3
37.5°	1268.1	1269.3	1251.9	1235.3	1226.2	1243.6	1216.7	1217.9	1246.9	1260.2	1259.8
40°	1372.6	1373.0	1361.4	1346.9	1331.1	1335.2	1324.5	1327.8	1346.9	1358.9	1362.2
42.5°	1496.9	1495.7	1477.4	1456.7	1452.1	1456.3	1438.1	1435.6	1457.5	1479.1	1479.5
45°	1658.2	1655.3	1631.6	1608.8	1586.9	1577.8	1573.2	1585.2	1615.5	1635.4	1635.8
47.5°	1831.9	1824.0	1811.6	1793.3	1774.2	1765.1	1757.7	1763.5	1785.4	1793.3	1794.1
50°	2010.5	2012.2	2014.7	2007.6	2000.6	1997.7	1978.2	1967.0	1973.6	1959.1	1957.1
52.5°	2222.4	2225.7	2249.7	2270.0	2282.1	2288.3	2251.4	2212.8	2191.3	2163.1	2154.8
55°	2472.3	2477.7	2513.0	2569.3	2627.4	2658.1	2591.3	2519.2	2452.4	2399.8	2382.8
57.5°	2750.9	2760.4	2808.9	2917.1	3036.1	3108.7	2995.9	2864.9	2736.0	2660.1	2646.9
60°	3077.6	3086.7	3153.9	3308.9	3501.7	3610.7	3439.9	3225.6	3065.1	2992.6	2968.1
62.5°	3466.4	3467.2	3549.7	3730.9	3985.4	4137.1	3905.8	3619.4	3454.0	3366.5	3342.9
65°	3884.7	3886.8	3972.2	4167.8	4431.1	4596.0	4334.9	4036.4	3834.1	3705.2	3687.0
67.5°	4180.3	4189.0	4278.9	4514.4	4760.6	4909.4	4639.2	4301.7	4067.9	3914.1	3898.8
70°	4133.0	4167.0	4272.7	4547.5	4890.0	5102.2	4688.5	4270.2	3961.8	3780.2	3767.4
72.5°	3604.5	3669.5	3810.5	4171.1	4718.8	5011.0	4419.5	3824.6	3475.5	3320.9	3297.7
75°	2454.5	2560.2	2772.9	3293.1	4031.4	4338.6	3720.5	3049.4	2721.1	2507.2	2491.4
77.5°	1094.4	1118.4	1387.9	1986.9	2782.0	3115.7	2703.2	1994.8	1497.3	1194.3	1130.5
80°	305.1	308.8	412.1	740.0	1392.5	1830.6	1494.8	777.3	436.9	308.0	290.2
82.5°	97.0	105.3	128.5	191.9	468.0	835.3	480.5	207.3	147.6	117.7	106.1
85°	47.3	46.8	65.1	77.9	119.4	184.9	127.3	96.2	84.2	56.0	50.6
87.5°	19.9	20.3	30.3	27.4	34.8	29.8	41.0	43.1	45.2	24.9	21.6
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)