

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: P316415

Luminaire Tested: **GAN-SA1D-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316415
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-SA1D-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7138 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

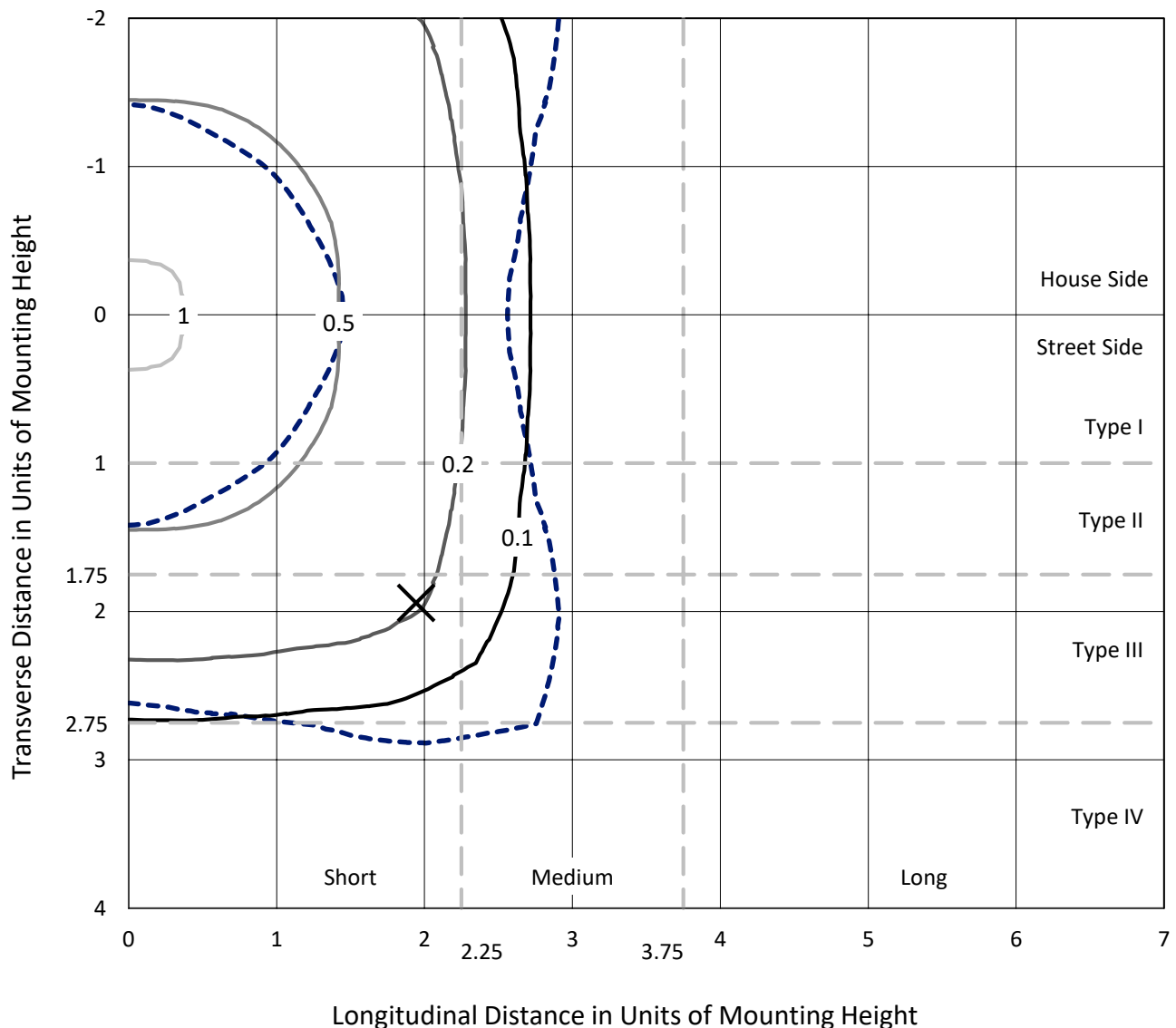
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

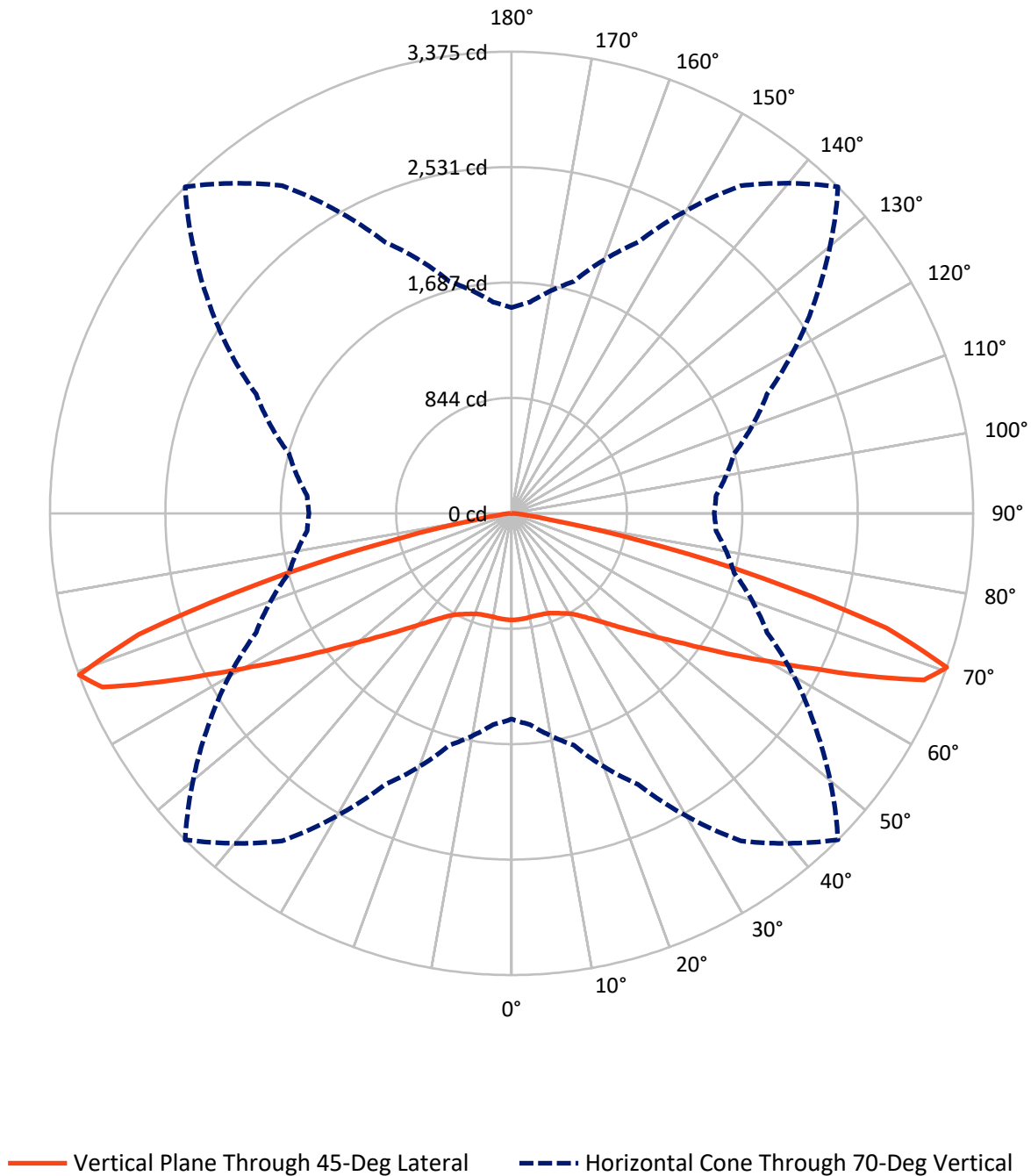
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	3569.0	0.0	3569.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3569.0	0.0	3569.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7138.0	0.0	7138.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.0
10°-20°	216.8	3.0
20°-30°	369.0	5.2
30°-40°	585.2	8.2
40°-50°	952.3	13.3
50°-60°	1570.2	22.0
60°-70°	2305.1	32.3
70°-80°	1019.3	14.3
80°-90°	46.2	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°	7138.0	100.0
0°-180°	7138.0	100.0

Coefficient of Utilization



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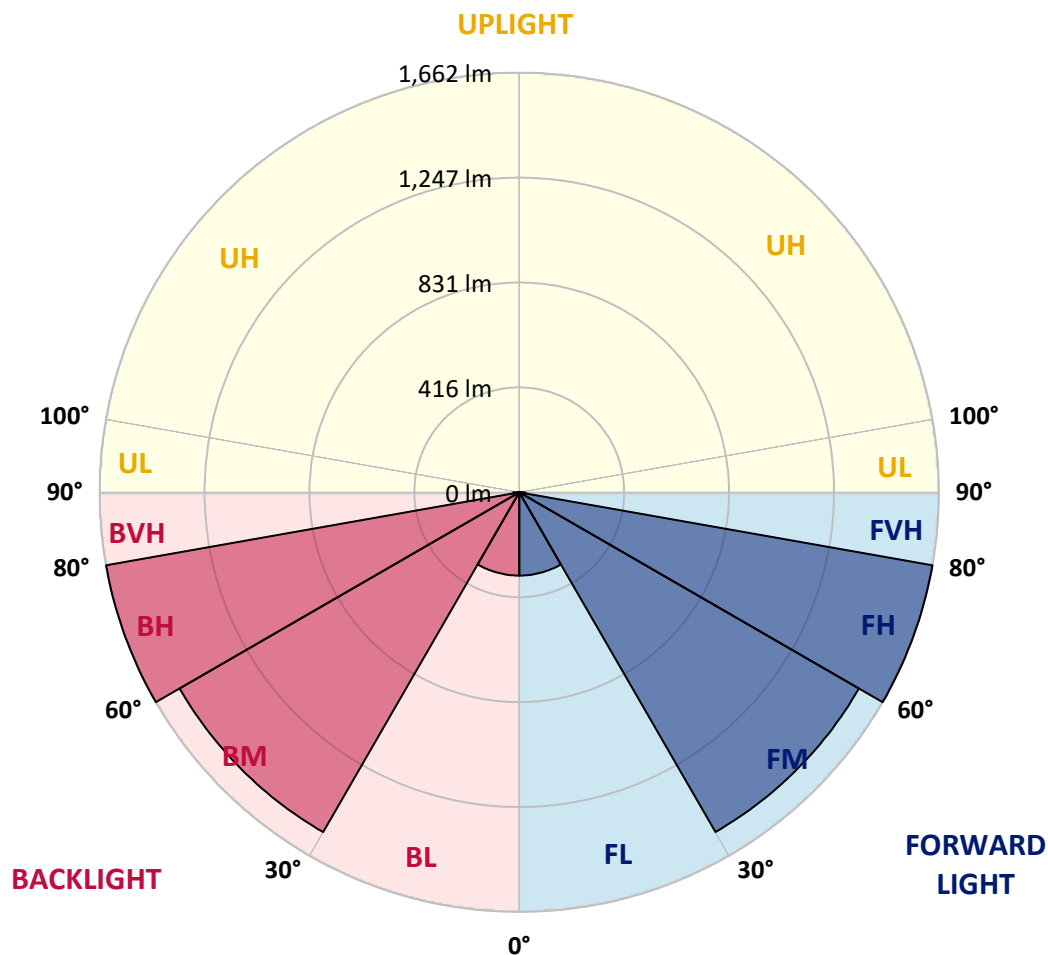
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.8	4.6			
FM	(30°-60°)	1553.9	21.8			
FH	(60°-80°)	1662.2	23.3			G1/1800
FVH	(80°-90°)	23.1	0.3			G1/100
BL	(0°-30°)	329.8	4.6	B1/500		
BM	(30°-60°)	1553.9	21.8	B2/2500		
BH	(60°-80°)	1662.2	23.3	B3/2500		G1/1800
BVH	(80°-90°)	23.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	779.6	779.6	779.6	779.6	779.6	779.6	779.6	779.6	779.6	779.6	779.6
2.5°	778.4	777.7	779.3	779.1	777.7	777.9	777.9	778.6	778.6	778.2	778.2
5°	775.6	775.1	777.0	777.0	775.6	776.0	776.5	777.2	777.0	776.5	776.3
7.5°	772.0	771.8	773.7	773.7	772.7	773.2	772.7	773.0	772.5	772.0	771.3
10°	766.1	766.6	768.2	768.7	768.7	769.0	768.5	767.3	766.6	765.9	765.2
12.5°	760.7	760.4	762.8	764.0	765.9	768.0	766.6	763.3	761.9	760.4	760.0
15°	757.1	757.4	759.7	761.9	765.2	769.7	768.0	762.8	760.0	758.3	757.8
17.5°	756.4	756.9	760.0	763.8	767.3	772.3	771.3	766.1	761.4	758.3	757.6
20°	758.1	758.3	763.0	768.5	774.6	779.3	777.2	771.5	765.2	760.4	759.3
22.5°	761.2	762.1	768.0	776.5	786.0	792.3	789.7	780.1	770.1	764.2	762.6
25°	770.8	771.1	779.1	790.7	802.0	809.3	806.3	792.6	779.8	773.2	771.1
27.5°	790.9	791.6	799.7	813.1	822.8	827.5	825.6	814.5	803.7	796.6	797.3
30°	820.0	820.9	829.9	844.8	850.7	851.9	851.4	846.2	836.3	826.8	827.5
32.5°	855.4	855.9	867.9	881.4	886.1	887.1	886.1	881.4	869.6	856.8	857.5
35°	901.0	902.4	914.0	927.0	930.8	932.7	931.0	924.9	912.6	900.1	899.6
37.5°	957.2	957.5	969.5	983.0	987.7	988.2	986.3	982.3	966.9	955.6	954.9
40°	1022.4	1023.4	1037.6	1052.0	1053.9	1051.7	1054.3	1052.0	1036.1	1023.1	1025.3
42.5°	1101.8	1103.9	1120.9	1135.1	1129.7	1128.5	1130.2	1130.9	1118.1	1102.3	1100.9
45°	1194.2	1196.1	1217.3	1228.7	1225.1	1217.3	1220.6	1226.3	1208.6	1189.0	1190.9
47.5°	1299.5	1304.3	1326.9	1337.6	1328.8	1318.2	1324.6	1333.1	1312.3	1288.0	1286.8
50°	1416.7	1422.6	1452.9	1467.7	1459.0	1439.4	1450.0	1455.7	1425.7	1394.3	1391.7
52.5°	1541.7	1547.6	1585.6	1616.3	1610.7	1580.2	1595.1	1589.2	1554.7	1512.4	1509.1
55°	1683.2	1685.5	1726.7	1776.3	1781.9	1759.5	1758.5	1748.9	1697.8	1648.9	1646.6
57.5°	1828.7	1830.4	1883.5	1942.1	1968.8	1968.8	1942.3	1921.8	1854.0	1797.3	1791.4
60°	1985.8	1991.7	2050.5	2130.1	2192.5	2210.9	2164.2	2108.2	2034.5	1965.3	1958.4
62.5°	2125.7	2132.5	2222.5	2341.1	2441.3	2508.4	2394.0	2302.8	2168.7	2057.6	2044.6
65°	2143.4	2161.8	2292.9	2507.7	2731.8	2865.8	2646.6	2421.9	2177.4	2023.1	2009.9
67.5°	1957.5	1988.6	2165.8	2500.1	2963.4	3250.9	2807.9	2353.9	2020.5	1850.0	1835.3
70°	1504.1	1549.5	1753.8	2186.8	2923.4	3374.9	2706.8	2060.7	1684.6	1501.0	1480.5
72.5°	825.2	843.8	1027.6	1497.5	2343.7	2867.9	2257.7	1523.7	1117.2	909.0	874.5
75°	261.8	268.4	361.9	612.8	1325.8	1899.6	1434.2	747.9	411.8	303.6	300.0
77.5°	116.2	116.9	130.9	178.8	456.6	962.4	548.5	203.6	140.3	122.6	126.6
80°	73.5	73.5	81.0	88.6	124.3	279.5	148.4	96.9	82.7	76.8	78.4
82.5°	35.2	39.0	52.7	56.7	68.3	94.0	76.1	63.3	55.3	41.1	38.3
85°	23.2	19.4	33.3	37.6	39.7	45.1	44.2	41.8	36.1	20.6	22.9
87.5°	10.4	9.9	17.2	15.8	14.9	11.3	17.0	21.0	20.3	10.2	10.2
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)