

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: P316065

Luminaire Tested: **GAN-SA1A-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316065
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-SA1A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297 lumens
Efficiency: N/A
Efficacy: 126.4 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

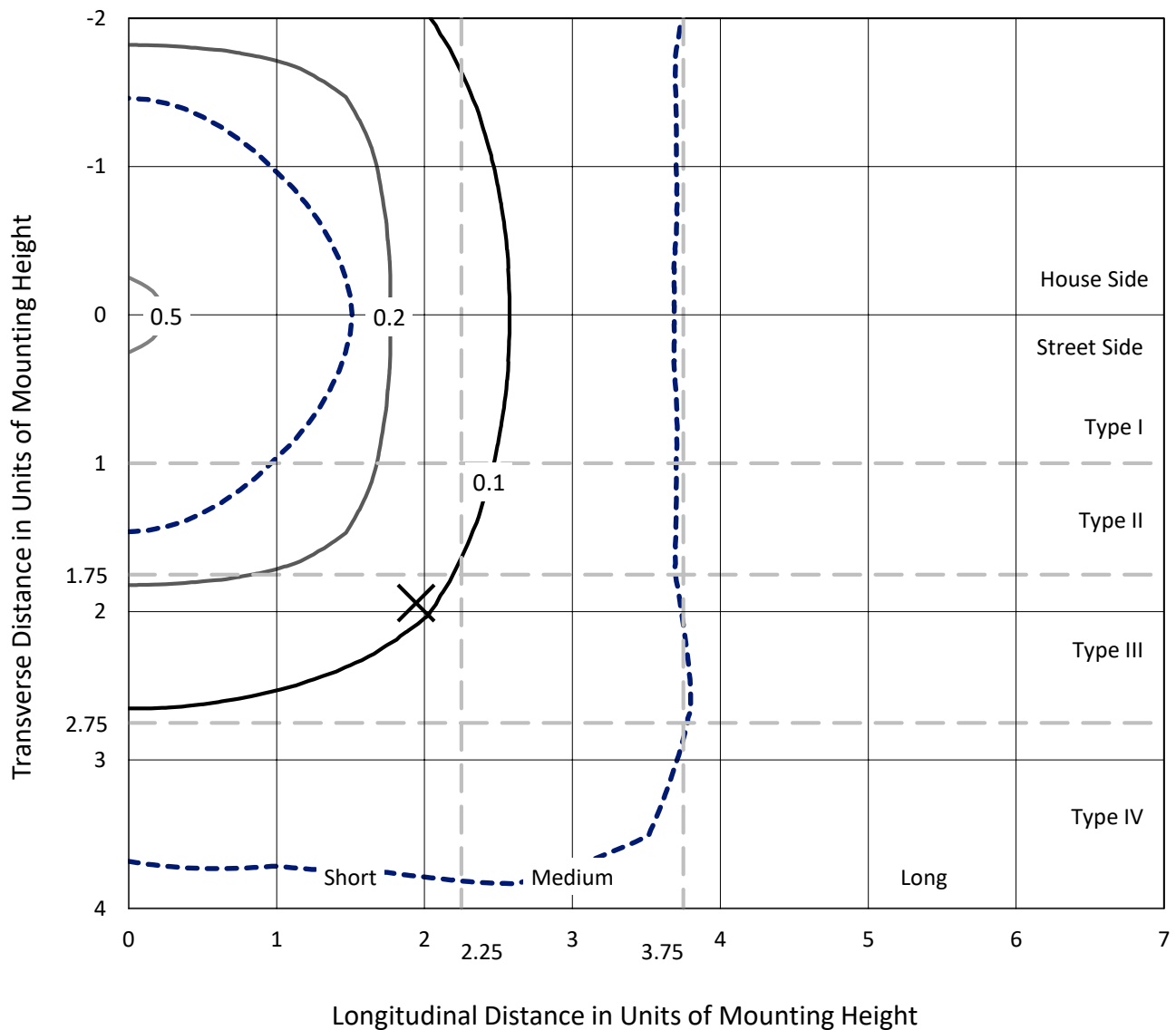
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316065
 CATALOG NUMBER: GAN-SA1A-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

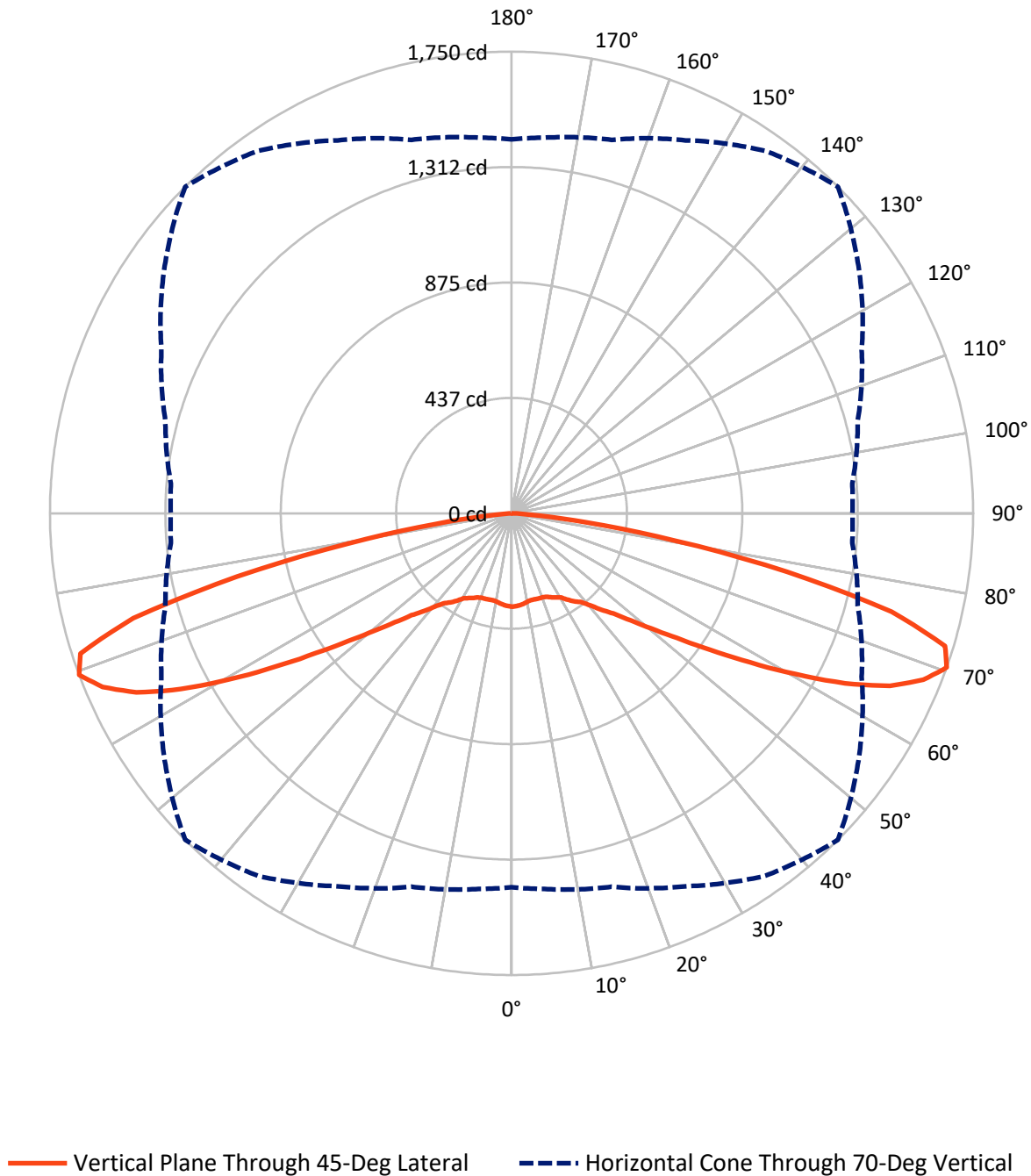
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316065
CATALOG NUMBER: GAN-SA1A-727-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2148.5	0.0	2148.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2148.5	0.0	2148.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4297.0	0.0	4297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.8
10°-20°	96.4	2.2
20°-30°	164.4	3.8
30°-40°	256.8	6.0
40°-50°	435.3	10.1
50°-60°	793.8	18.5
60°-70°	1366.6	31.8
70°-80°	1071.2	24.9
80°-90°	79.4	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°	4297.0	100.0
0°-180°	4297.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316065

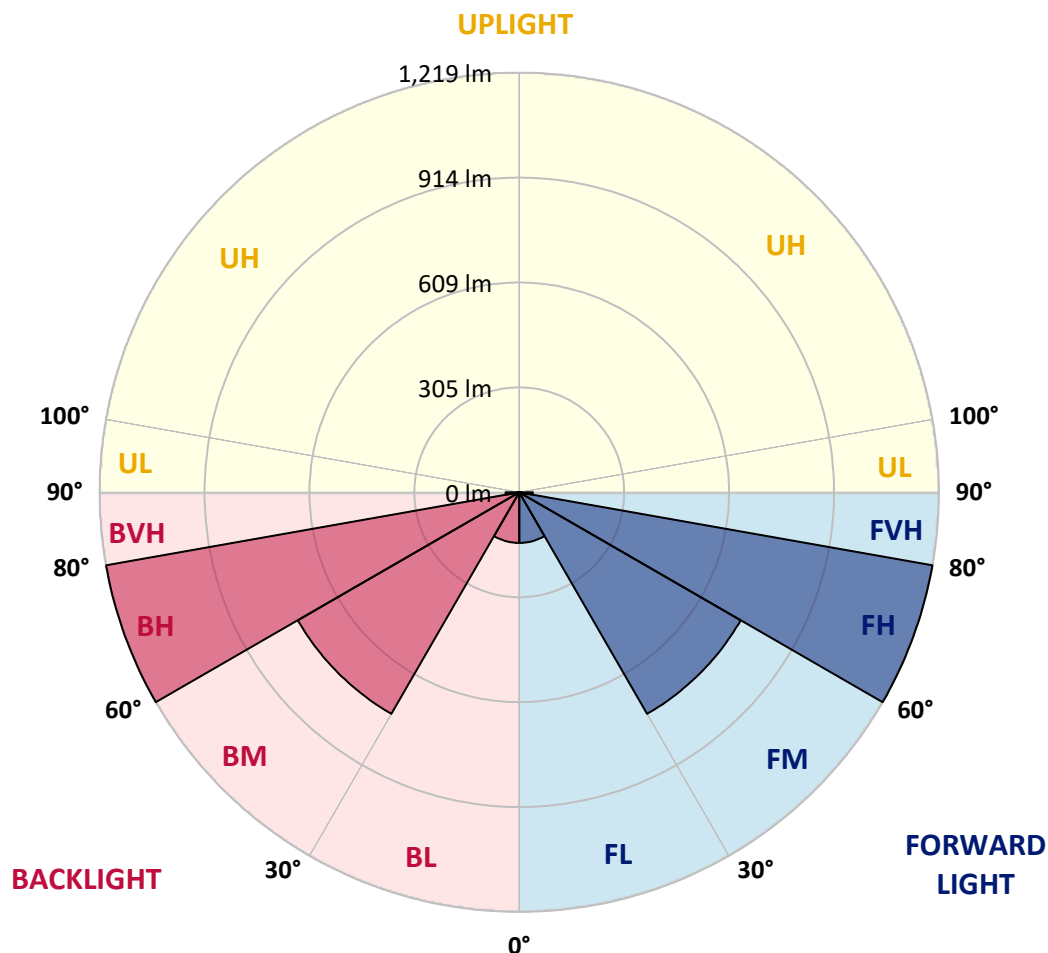
CATALOG NUMBER: GAN-SA1A-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.9	3.4			
FM	(30°-60°)	743.0	17.3			
FH	(60°-80°)	1218.9	28.4			G1/1800
FVH	(80°-90°)	39.7	0.9			G1/100
BL	(0°-30°)	146.9	3.4	B1/500		
BM	(30°-60°)	743.0	17.3	B1/1000		
BH	(60°-80°)	1218.9	28.4	B3/2500		G1/1800
BVH	(80°-90°)	39.7	0.9			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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CATALOG NUMBER: GAN-SA1A-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6
2.5°	352.1	352.5	352.1	352.4	351.7	351.9	351.9	351.9	351.8	351.9	351.7
5°	349.0	349.2	348.7	349.0	348.5	349.0	349.1	349.0	348.7	348.8	348.2
7.5°	344.3	344.5	344.1	344.5	344.0	344.7	344.5	344.1	343.7	343.7	343.1
10°	341.7	341.8	340.7	340.3	339.0	339.3	339.7	340.1	340.6	341.4	341.3
12.5°	341.8	341.8	340.1	338.3	336.4	336.9	337.6	339.1	340.9	342.4	342.6
15°	343.3	343.1	340.6	337.6	336.3	337.6	338.0	339.0	341.7	344.4	344.5
17.5°	344.3	344.3	340.3	336.9	336.7	338.7	338.6	339.0	342.0	346.0	346.1
20°	346.1	346.1	341.0	337.3	337.3	339.4	339.6	340.3	343.3	347.7	348.4
22.5°	350.2	350.4	345.0	342.0	342.3	343.6	344.0	345.1	347.8	352.6	353.5
25°	356.1	356.3	350.8	349.1	350.1	352.5	352.2	353.1	356.1	360.8	361.6
27.5°	364.2	363.5	358.3	357.6	358.6	360.3	360.2	360.3	362.7	367.0	368.0
30°	374.7	374.4	370.7	371.1	370.7	370.1	370.3	371.4	372.7	376.1	377.1
32.5°	384.9	385.2	382.9	385.1	388.2	390.3	387.0	383.9	382.5	384.3	385.2
35°	403.4	404.1	400.5	399.1	403.4	409.6	400.4	395.3	398.1	400.5	401.3
37.5°	434.8	435.2	429.3	423.6	420.4	426.4	417.2	417.6	427.6	432.1	432.0
40°	470.6	470.8	466.8	461.8	456.4	457.8	454.1	455.3	461.8	465.9	467.1
42.5°	513.3	512.8	506.6	499.5	497.9	499.3	493.1	492.2	499.8	507.2	507.3
45°	568.6	567.6	559.5	551.6	544.1	541.0	539.4	543.5	553.9	560.7	560.9
47.5°	628.1	625.4	621.2	614.9	608.4	605.2	602.7	604.7	612.2	614.9	615.2
50°	689.4	689.9	690.8	688.4	686.0	685.0	678.3	674.5	676.7	671.8	671.0
52.5°	762.0	763.1	771.4	778.4	782.5	784.6	772.0	758.7	751.4	741.7	738.8
55°	847.7	849.6	861.7	881.0	900.9	911.4	888.5	863.8	840.9	822.8	817.0
57.5°	943.2	946.5	963.1	1000.2	1041.0	1065.9	1027.2	982.3	938.1	912.1	907.6
60°	1055.2	1058.4	1081.4	1134.6	1200.7	1238.0	1179.5	1106.0	1051.0	1026.1	1017.7
62.5°	1188.6	1188.9	1217.1	1279.3	1366.5	1418.6	1339.2	1241.0	1184.3	1154.3	1146.2
65°	1332.0	1332.7	1362.0	1429.1	1519.3	1575.9	1486.4	1384.0	1314.7	1270.4	1264.2
67.5°	1433.3	1436.3	1467.2	1547.9	1632.3	1683.4	1590.7	1475.0	1394.8	1342.1	1336.8
70°	1417.1	1428.8	1465.0	1559.3	1676.7	1749.5	1607.6	1464.2	1358.4	1296.2	1291.8
72.5°	1235.9	1258.2	1306.5	1430.2	1618.0	1718.2	1515.4	1311.4	1191.7	1138.7	1130.7
75°	841.6	877.9	950.8	1129.2	1382.3	1487.6	1275.7	1045.6	933.0	859.7	854.3
77.5°	375.2	383.5	475.9	681.3	953.9	1068.3	926.9	684.0	513.4	409.5	387.6
80°	104.6	105.9	141.3	253.7	477.4	627.7	512.6	266.5	149.8	105.6	99.5
82.5°	33.3	36.1	44.1	65.8	160.5	286.4	164.7	71.1	50.6	40.4	36.4
85°	16.2	16.1	22.3	26.7	40.9	63.4	43.6	33.0	28.9	19.2	17.3
87.5°	6.8	7.0	10.4	9.4	11.9	10.2	14.1	14.8	15.5	8.5	7.4
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)