

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: P316094

Luminaire Tested: **GAN-SA0C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316094
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-SA0C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61668 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

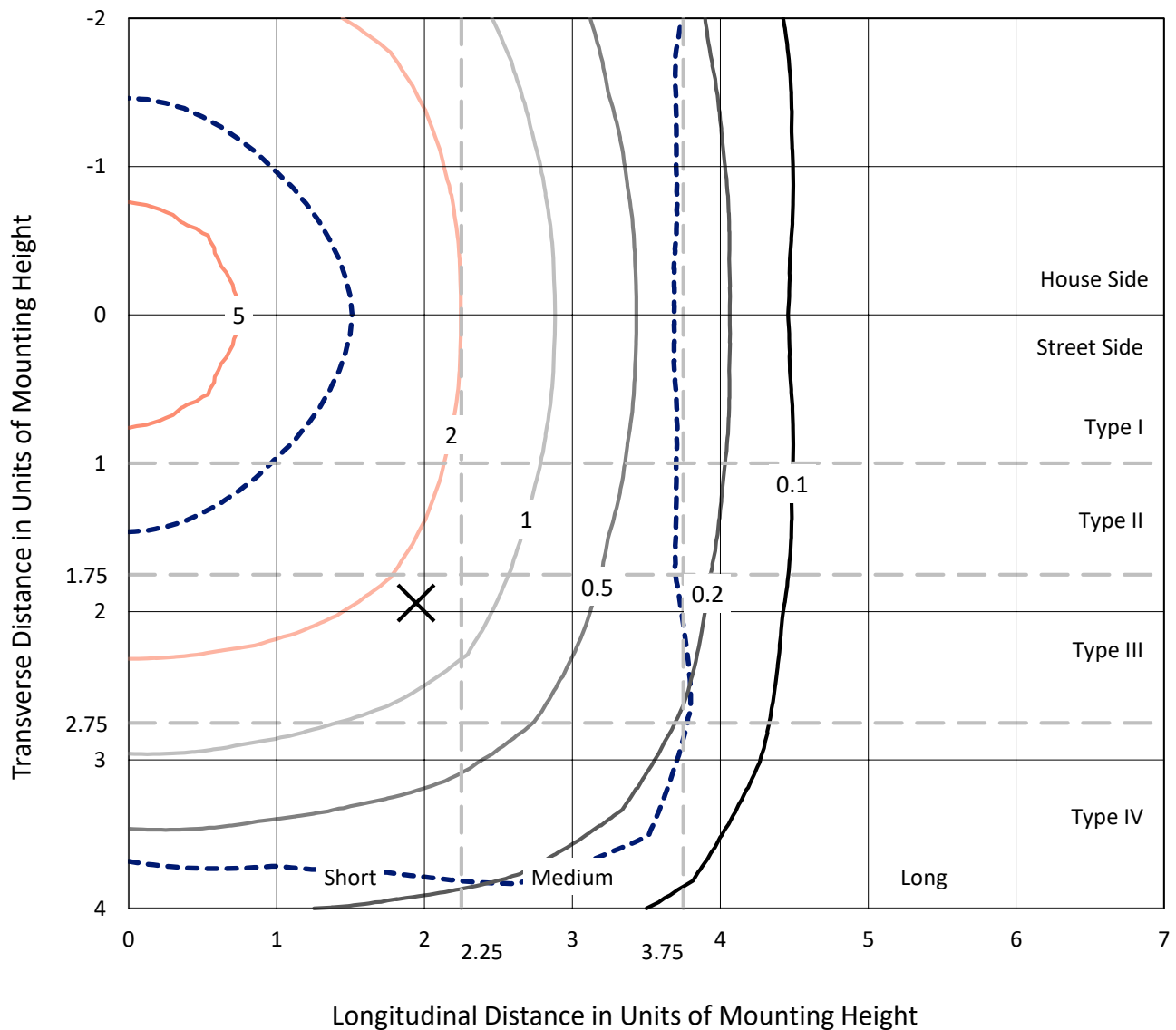
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316094
 CATALOG NUMBER: GAN-SA0C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

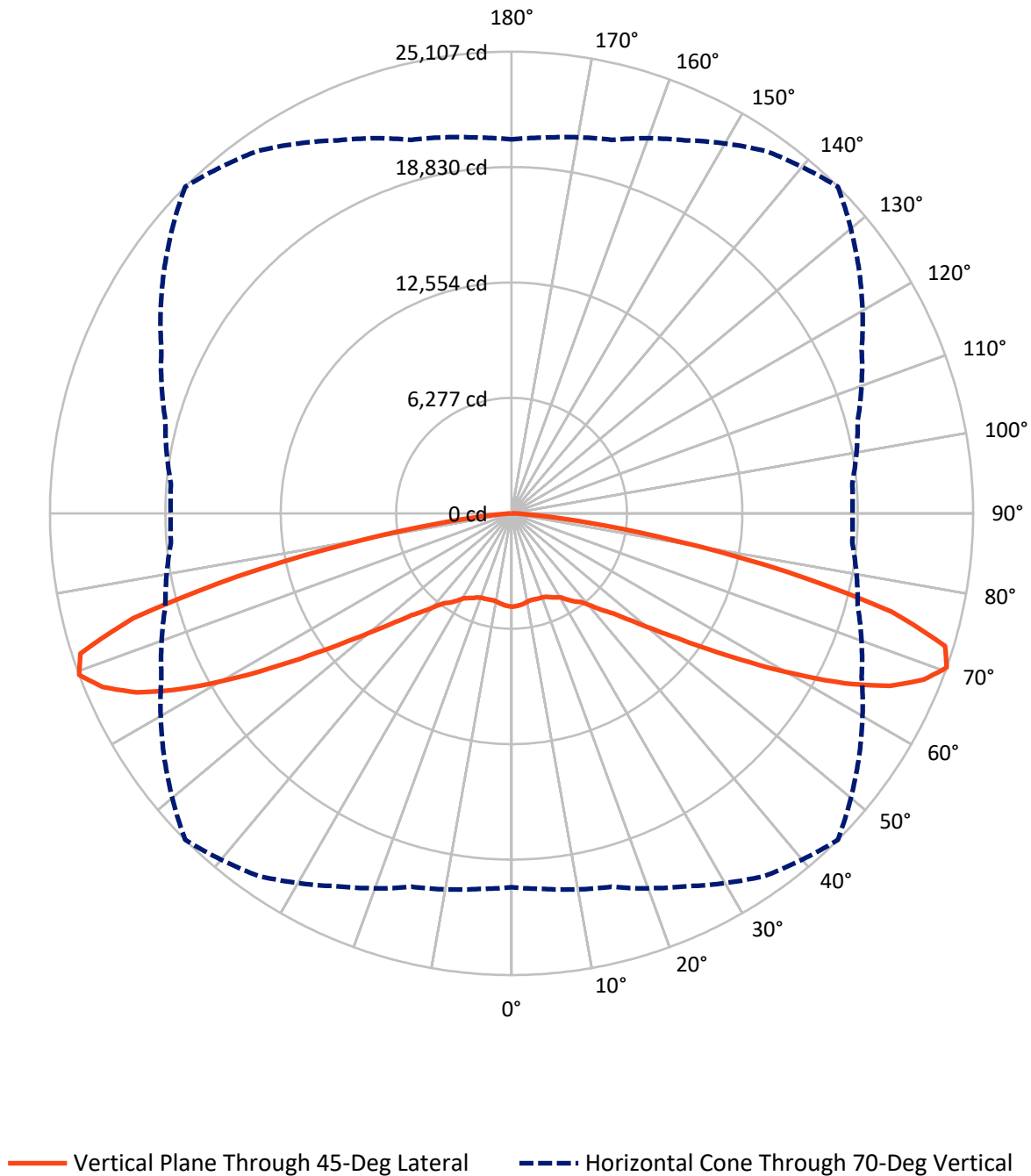
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316094
CATALOG NUMBER: GAN-SA0C-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316094

CATALOG NUMBER: GAN-SA0C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30834.0	0.0	30834.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30834.0	0.0	30834.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	61668.0	0.0	61668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.7	0.8
10°-20°	1383.7	2.2
20°-30°	2359.1	3.8
30°-40°	3686.2	6.0
40°-50°	6247.3	10.1
50°-60°	11392.3	18.5
60°-70°	19612.7	31.8
70°-80°	15373.2	24.9
80°-90°	1139.9	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°	61668.0	100.0
0°-180°	61668.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316094

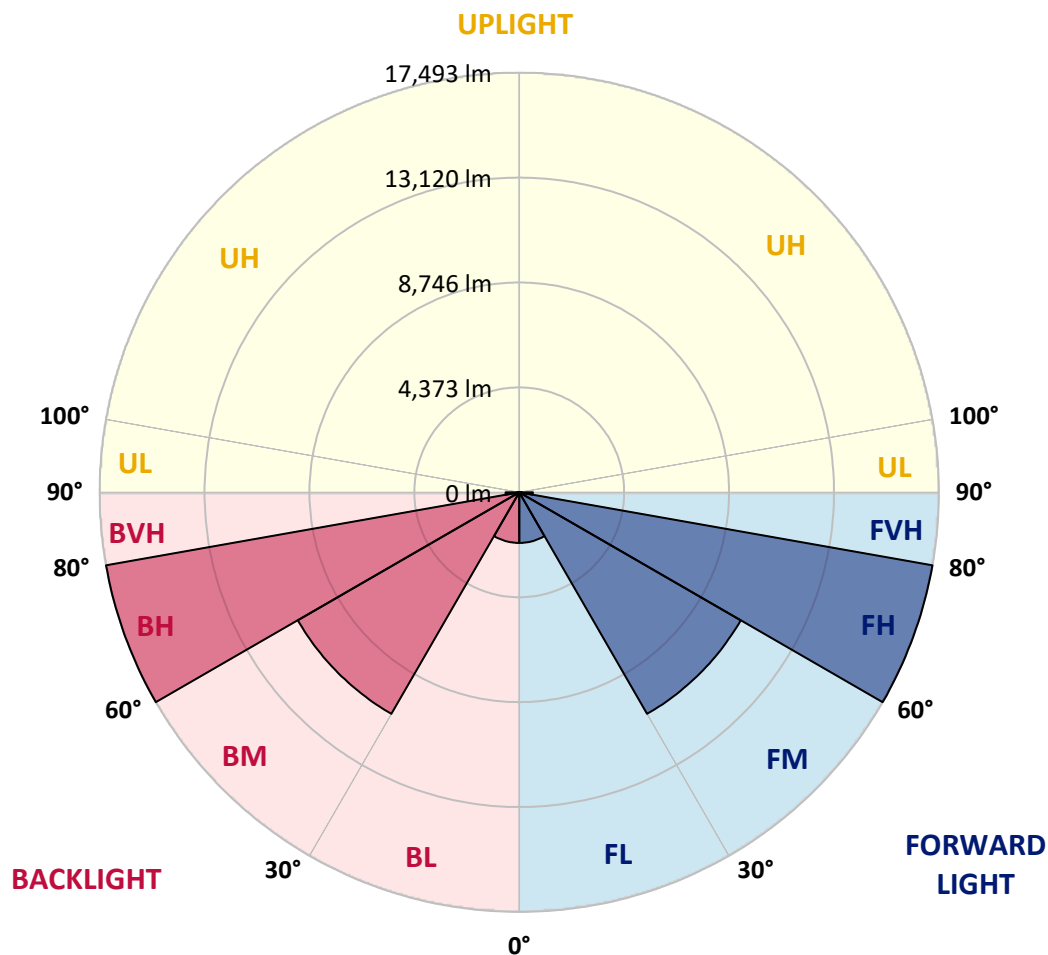
CATALOG NUMBER: GAN-SA0C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2108.2	3.4			
FM	(30°-60°)	10662.9	17.3			
FH	(60°-80°)	17492.9	28.4			G5
FVH	(80°-90°)	570.0	0.9			G4/750
BL	(0°-30°)	2108.2	3.4	B3/2500		
BM	(30°-60°)	10662.9	17.3	B5		
BH	(60°-80°)	17492.9	28.4	B5		G5
BVH	(80°-90°)	570.0	0.9			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





REPORT NUMBER: P316094

CATALOG NUMBER: GAN-SA0C-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3	5075.3
2.5°	5052.8	5059.0	5052.8	5056.9	5046.7	5050.8	5050.8	5050.8	5048.8	5050.8	5046.7
5°	5008.0	5012.0	5003.9	5008.0	5001.8	5008.0	5010.0	5008.0	5003.9	5005.9	4997.8
7.5°	4940.7	4944.7	4938.6	4944.7	4936.6	4946.8	4944.7	4938.6	4932.5	4932.5	4924.3
10°	4903.9	4906.0	4889.7	4883.5	4865.2	4869.3	4875.4	4881.5	4887.6	4899.9	4897.8
12.5°	4906.0	4906.0	4881.5	4855.0	4828.5	4834.6	4844.8	4867.2	4891.7	4914.1	4916.2
15°	4926.4	4924.3	4887.6	4844.8	4826.4	4844.8	4850.9	4865.2	4903.9	4942.7	4944.7
17.5°	4940.7	4940.7	4883.5	4834.6	4832.5	4861.1	4859.1	4865.2	4908.0	4965.1	4967.2
20°	4967.2	4967.2	4893.7	4840.7	4840.7	4871.3	4873.3	4883.5	4926.4	4989.6	4999.8
22.5°	5026.3	5028.4	4950.9	4908.0	4912.1	4930.5	4936.6	4952.9	4991.6	5061.0	5073.2
25°	5110.0	5114.0	5034.5	5010.0	5024.3	5059.0	5054.9	5067.1	5110.0	5177.3	5189.5
27.5°	5226.2	5216.0	5142.6	5132.4	5146.7	5171.2	5169.1	5171.2	5205.8	5267.0	5281.3
30°	5377.2	5373.1	5320.1	5326.2	5320.1	5311.9	5314.0	5330.3	5348.6	5397.6	5411.9
32.5°	5524.1	5528.1	5495.5	5526.1	5571.0	5601.6	5554.7	5509.8	5489.4	5515.9	5528.1
35°	5789.3	5799.5	5748.5	5728.1	5789.3	5879.0	5746.4	5673.0	5713.8	5748.5	5758.7
37.5°	6240.1	6246.2	6160.5	6078.9	6034.0	6119.7	5987.1	5993.2	6136.0	6201.3	6199.3
40°	6754.1	6756.2	6699.0	6627.7	6550.1	6570.5	6517.5	6533.8	6627.7	6686.8	6703.1
42.5°	7366.1	7360.0	7270.2	7168.2	7145.8	7166.2	7076.4	7064.2	7172.3	7278.4	7280.4
45°	8159.6	8145.3	8029.1	7916.9	7808.8	7763.9	7741.4	7800.6	7949.5	8047.4	8049.5
47.5°	9014.3	8975.6	8914.4	8824.6	8730.8	8685.9	8649.2	8677.8	8785.9	8824.6	8828.7
50°	9893.5	9901.7	9913.9	9879.3	9844.6	9830.3	9734.4	9679.4	9712.0	9640.6	9630.4
52.5°	10935.9	10952.3	11070.6	11170.5	11229.7	11260.3	11078.7	10889.0	10782.9	10644.2	10603.4
55°	12166.0	12192.5	12365.9	12643.3	12928.9	13079.9	12751.4	12396.5	12068.1	11809.0	11725.4
57.5°	13536.8	13583.7	13822.4	14354.8	14940.3	15297.3	14742.4	14097.8	13463.4	13090.1	13024.8
60°	15144.3	15189.1	15519.6	16282.5	17231.1	17767.6	16927.1	15872.5	15083.1	14726.1	14605.7
62.5°	17057.7	17061.8	17467.7	18359.1	19611.7	20358.3	19220.0	17810.4	16996.5	16566.1	16449.8
65°	19116.0	19126.2	19546.4	20509.2	21804.5	22616.4	21331.3	19862.6	18867.1	18232.7	18142.9
67.5°	20570.4	20613.2	21055.9	22214.6	23426.3	24158.6	22828.6	21168.1	20017.6	19260.8	19185.3
70°	20337.9	20505.1	21025.3	22377.8	24062.7	25107.2	23071.3	21013.1	19495.4	18601.9	18538.7
72.5°	17737.0	18057.2	18750.8	20525.5	23220.2	24658.4	21747.4	18820.2	17102.6	16341.7	16227.4
75°	12078.3	12598.5	13644.9	16205.0	19838.1	21349.7	18308.2	15005.5	13389.9	12337.3	12259.8
77.5°	5385.4	5503.7	6829.6	9777.3	13689.8	15331.9	13302.2	9816.0	7368.1	5877.0	5562.8
80°	1501.4	1519.7	2027.7	3641.2	6852.0	9008.2	7355.9	3824.8	2150.1	1515.6	1427.9
82.5°	477.3	518.1	632.4	944.5	2303.1	4110.4	2364.3	1020.0	726.2	579.3	522.2
85°	232.5	230.5	320.3	383.5	587.5	909.8	626.3	473.3	414.1	275.4	248.9
87.5°	97.9	100.0	148.9	134.6	171.4	146.9	202.0	212.2	222.3	122.4	106.1
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)