

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: P316091

Luminaire Tested: **GAN-SA7C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316091
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-SA7C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 44069 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

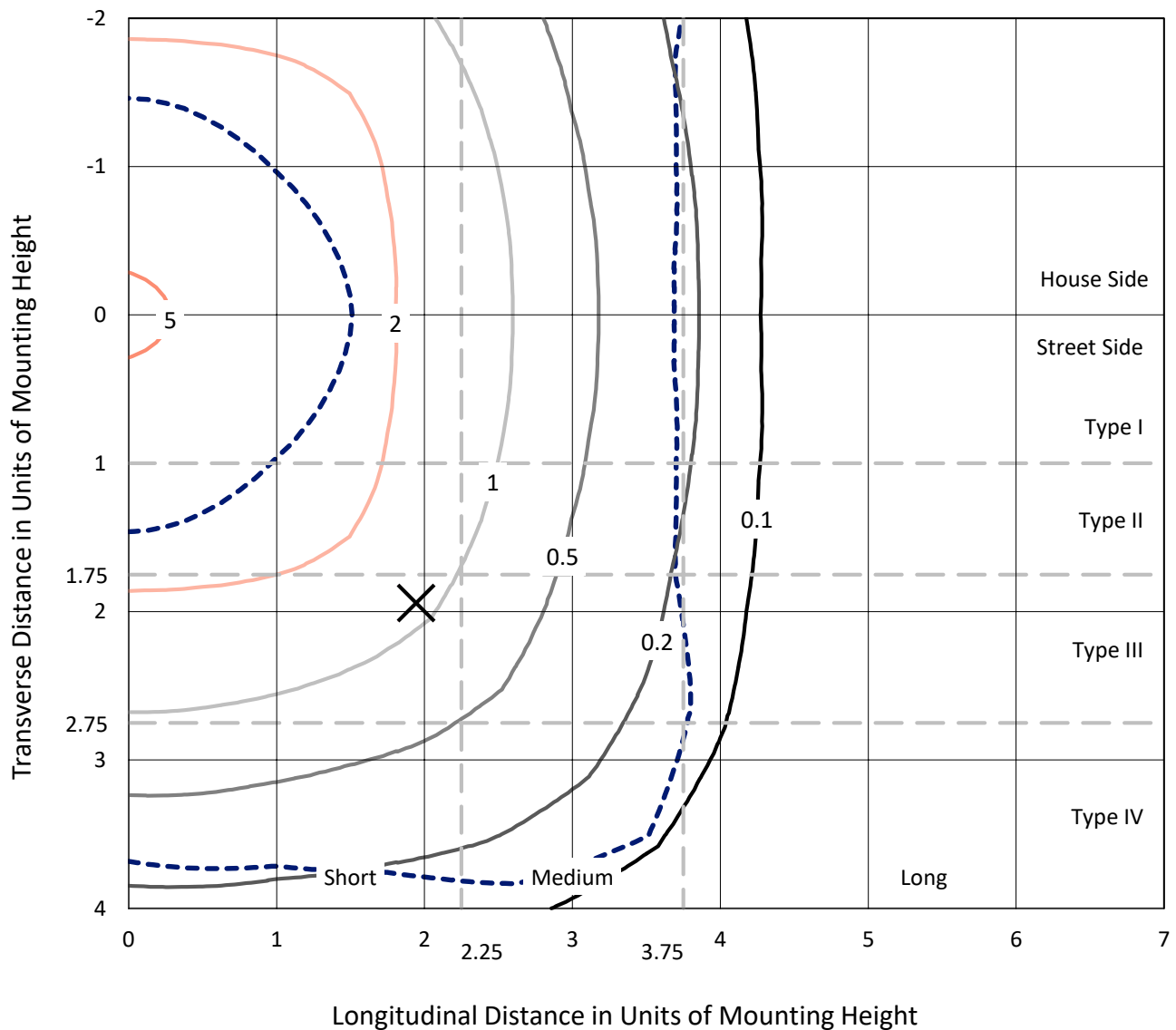
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316091
 CATALOG NUMBER: GAN-SA7C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

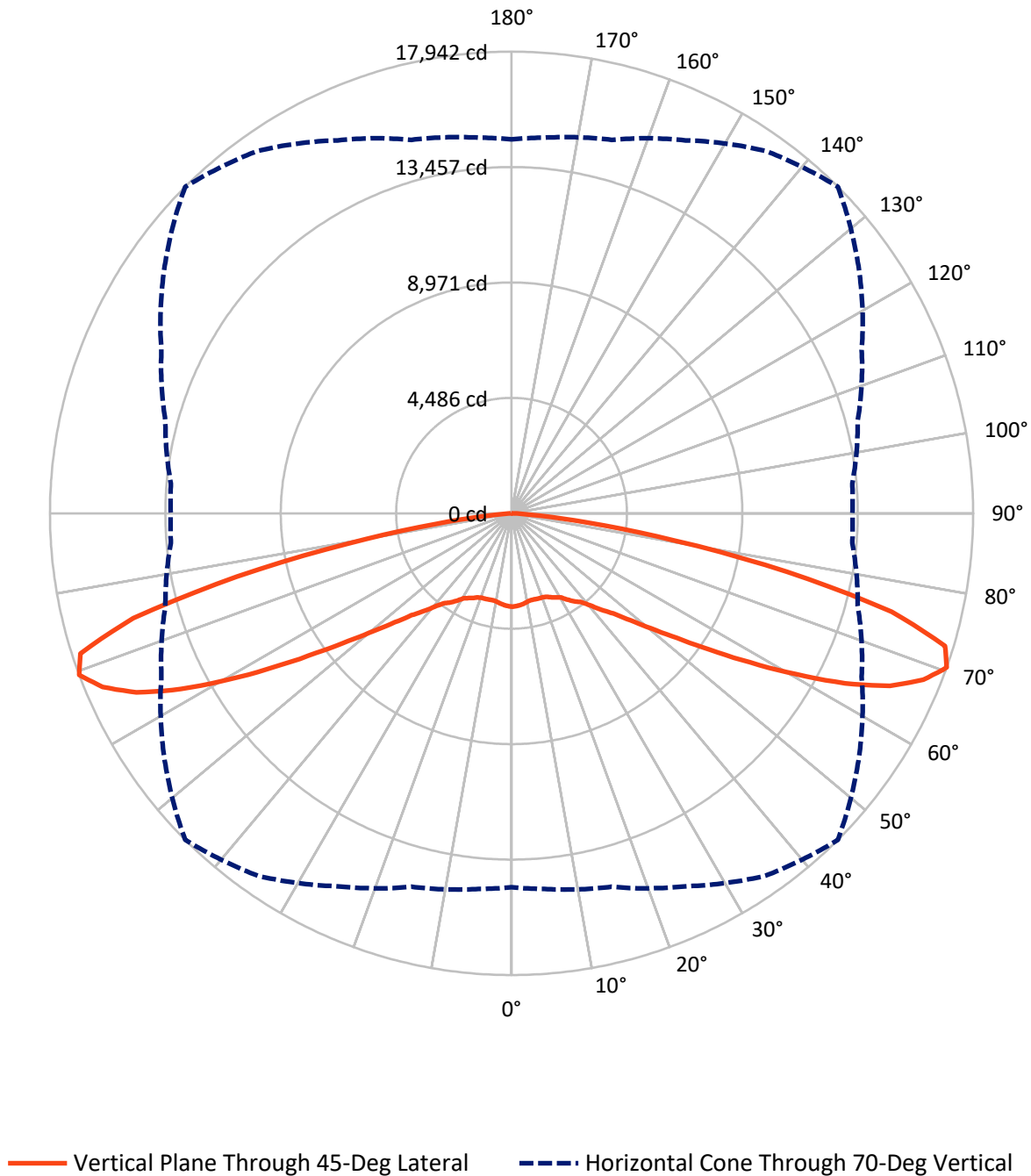
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316091
CATALOG NUMBER: GAN-SA7C-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316091

CATALOG NUMBER: GAN-SA7C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22034.5	0.0	22034.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22034.5	0.0	22034.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44069.0	0.0	44069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	0.8
10°-20°	988.8	2.2
20°-30°	1685.9	3.8
30°-40°	2634.2	6.0
40°-50°	4464.4	10.1
50°-60°	8141.2	18.5
60°-70°	14015.6	31.8
70°-80°	10985.9	24.9
80°-90°	814.6	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°	44069.0	100.0
0°-180°	44069.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316091

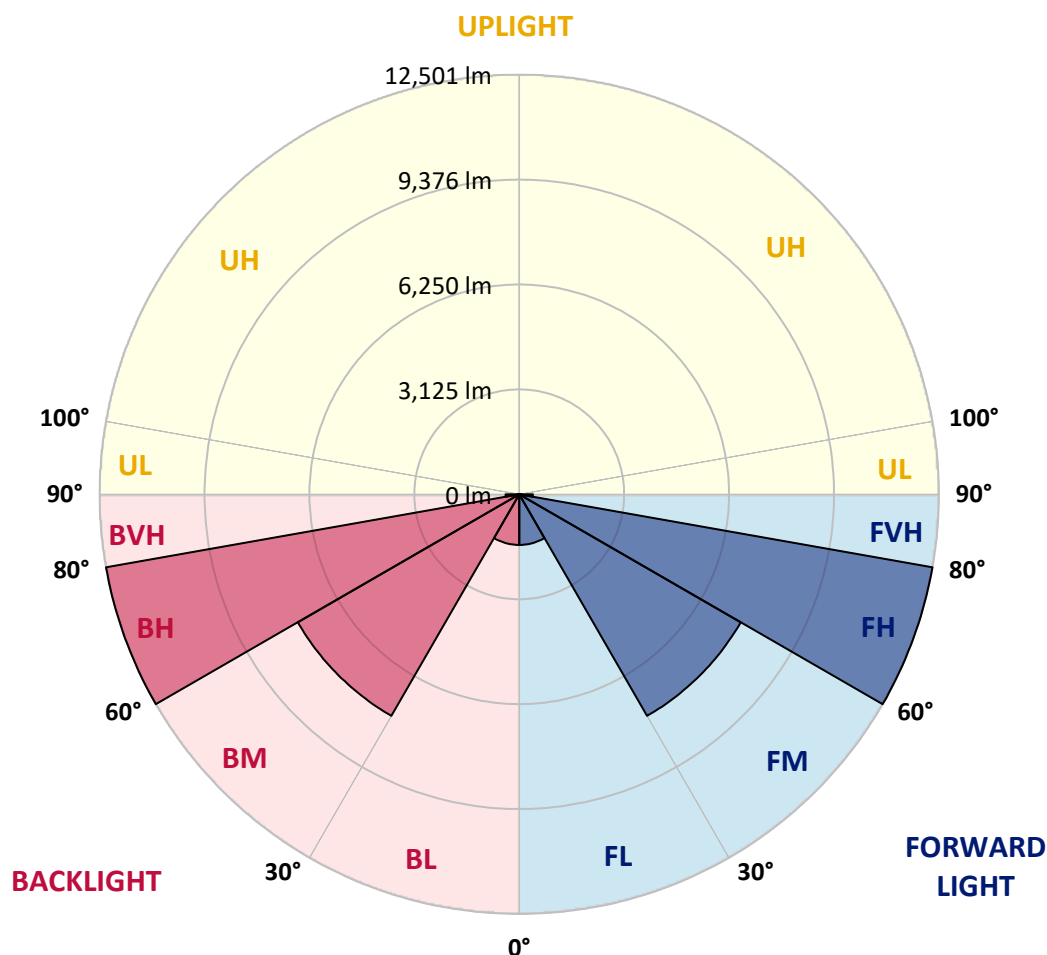
CATALOG NUMBER: GAN-SA7C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1506.6	3.4			
FM	(30°-60°)	7619.9	17.3			
FH	(60°-80°)	12500.7	28.4			G5
FVH	(80°-90°)	407.3	0.9			G3/500
BL	(0°-30°)	1506.6	3.4	B3/2500		
BM	(30°-60°)	7619.9	17.3	B4/8500		
BH	(60°-80°)	12500.7	28.4	B5		G5
BVH	(80°-90°)	407.3	0.9			G3/500
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: P316091

CATALOG NUMBER: GAN-SA7C-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9	3626.9
2.5°	3610.8	3615.2	3610.8	3613.8	3606.5	3609.4	3609.4	3609.4	3607.9	3609.4	3606.5
5°	3578.8	3581.7	3575.9	3578.8	3574.4	3578.8	3580.2	3578.8	3575.9	3577.3	3571.5
7.5°	3530.7	3533.6	3529.2	3533.6	3527.8	3535.0	3533.6	3529.2	3524.8	3524.8	3519.0
10°	3504.4	3505.9	3494.2	3489.9	3476.7	3479.7	3484.0	3488.4	3492.8	3501.5	3500.1
12.5°	3505.9	3505.9	3488.4	3469.4	3450.5	3454.9	3462.2	3478.2	3495.7	3511.7	3513.2
15°	3520.5	3519.0	3492.8	3462.2	3449.0	3462.2	3466.5	3476.7	3504.4	3532.1	3533.6
17.5°	3530.7	3530.7	3489.9	3454.9	3453.4	3473.8	3472.4	3476.7	3507.3	3548.2	3549.6
20°	3549.6	3549.6	3497.1	3459.2	3459.2	3481.1	3482.6	3489.9	3520.5	3565.7	3572.9
22.5°	3591.9	3593.4	3538.0	3507.3	3510.3	3523.4	3527.8	3539.4	3567.1	3616.7	3625.4
25°	3651.7	3654.6	3597.7	3580.2	3590.4	3615.2	3612.3	3621.1	3651.7	3699.8	3708.5
27.5°	3734.8	3727.5	3675.0	3667.7	3677.9	3695.4	3693.9	3695.4	3720.2	3763.9	3774.1
30°	3842.6	3839.7	3801.8	3806.2	3801.8	3796.0	3797.4	3809.1	3822.2	3857.2	3867.4
32.5°	3947.6	3950.5	3927.2	3949.0	3981.1	4003.0	3969.5	3937.4	3922.8	3941.8	3950.5
35°	4137.1	4144.4	4107.9	4093.4	4137.1	4201.2	4106.5	4054.0	4083.2	4107.9	4115.2
37.5°	4459.3	4463.6	4402.4	4344.1	4312.0	4373.3	4278.5	4282.9	4384.9	4431.6	4430.1
40°	4826.6	4828.1	4787.3	4736.2	4680.8	4695.4	4657.5	4669.2	4736.2	4778.5	4790.2
42.5°	5263.9	5259.6	5195.4	5122.5	5106.5	5121.1	5056.9	5048.2	5125.5	5201.3	5202.7
45°	5831.0	5820.8	5737.7	5657.5	5580.3	5548.2	5532.2	5574.4	5680.9	5750.8	5752.3
47.5°	6441.8	6414.1	6370.4	6306.2	6239.2	6207.1	6180.9	6201.3	6278.5	6306.2	6309.1
50°	7070.1	7075.9	7084.7	7059.9	7035.1	7024.9	6956.4	6917.0	6940.4	6889.3	6882.0
52.5°	7815.0	7826.7	7911.2	7982.6	8024.9	8046.8	7917.0	7781.5	7705.7	7606.5	7577.4
55°	8694.0	8713.0	8836.9	9035.1	9239.2	9347.1	9112.4	8858.8	8624.1	8438.9	8379.2
57.5°	9673.6	9707.2	9877.7	10258.2	10676.6	10931.7	10535.2	10074.5	9621.2	9354.4	9307.7
60°	10822.3	10854.4	11090.6	11635.8	12313.6	12697.0	12096.4	11342.8	10778.6	10523.5	10437.5
62.5°	12189.7	12192.6	12482.7	13119.8	14014.8	14548.4	13734.9	12727.6	12146.0	11838.4	11755.3
65°	13660.6	13667.9	13968.2	14656.2	15581.9	16162.1	15243.7	14194.1	13482.7	13029.4	12965.2
67.5°	14700.0	14730.6	15046.9	15874.9	16740.8	17264.1	16313.7	15127.1	14304.9	13764.1	13710.1
70°	14533.8	14653.3	15025.0	15991.5	17195.6	17942.0	16487.2	15016.3	13931.7	13293.2	13248.0
72.5°	12675.1	12904.0	13399.6	14667.9	16593.6	17621.3	15541.1	13449.2	12221.8	11678.0	11596.4
75°	8631.3	9003.1	9750.9	11580.4	14176.6	15256.8	13083.3	10723.2	9568.7	8816.5	8761.1
77.5°	3848.5	3933.0	4880.6	6987.0	9783.0	10956.5	9506.0	7014.7	5265.4	4199.8	3975.3
80°	1072.9	1086.0	1449.0	2602.1	4896.6	6437.4	5256.7	2733.3	1536.5	1083.1	1020.4
82.5°	341.1	370.3	451.9	674.9	1645.8	2937.4	1689.5	728.9	519.0	414.0	373.2
85°	166.2	164.7	228.9	274.1	419.8	650.2	447.5	338.2	295.9	196.8	177.8
87.5°	70.0	71.4	106.4	96.2	122.5	105.0	144.3	151.6	158.9	87.5	75.8
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)