

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: P316084

Luminaire Tested: **GAN-SA0B-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316084
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-SA0B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49826 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

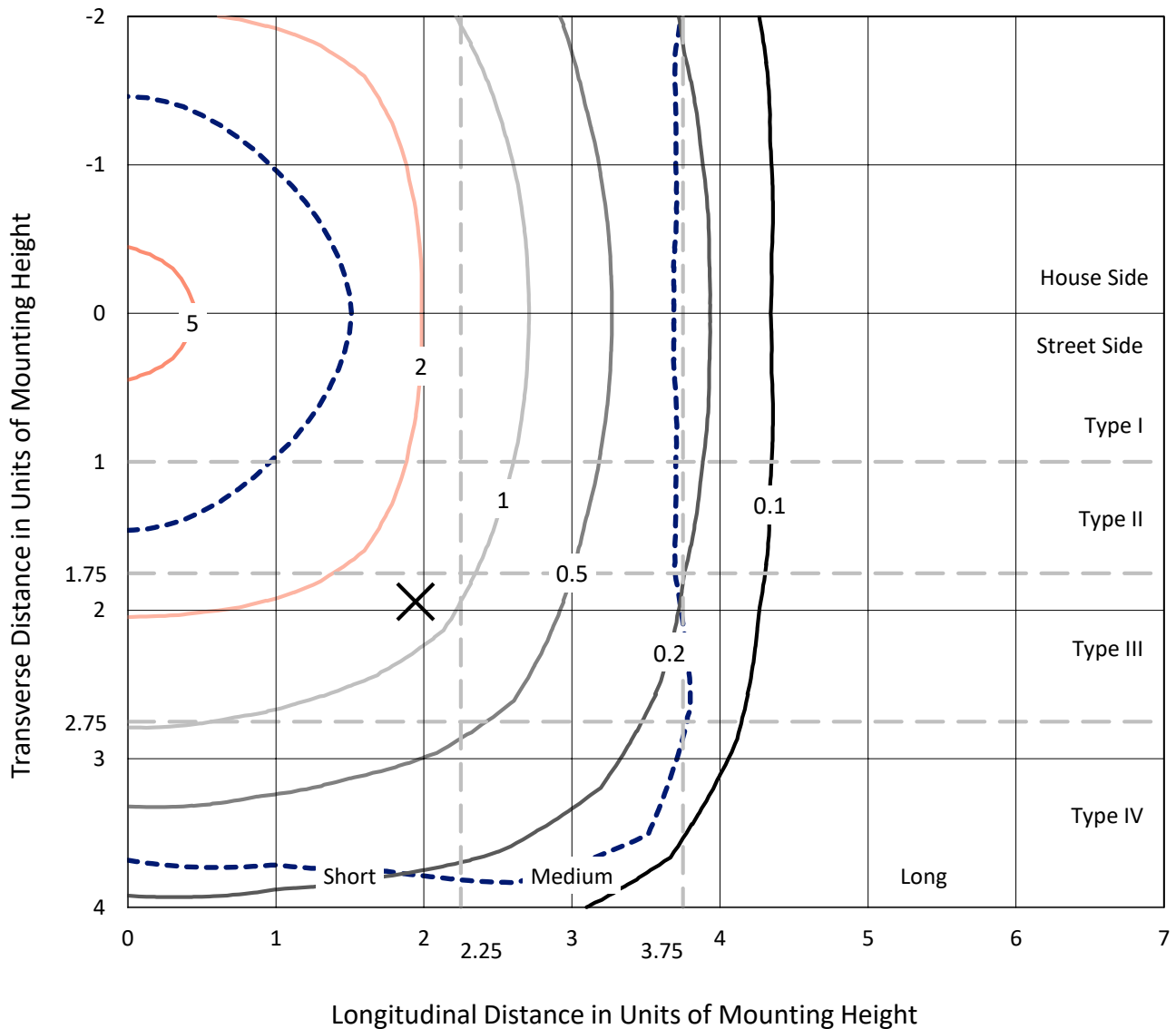
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316084
 CATALOG NUMBER: GAN-SA0B-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

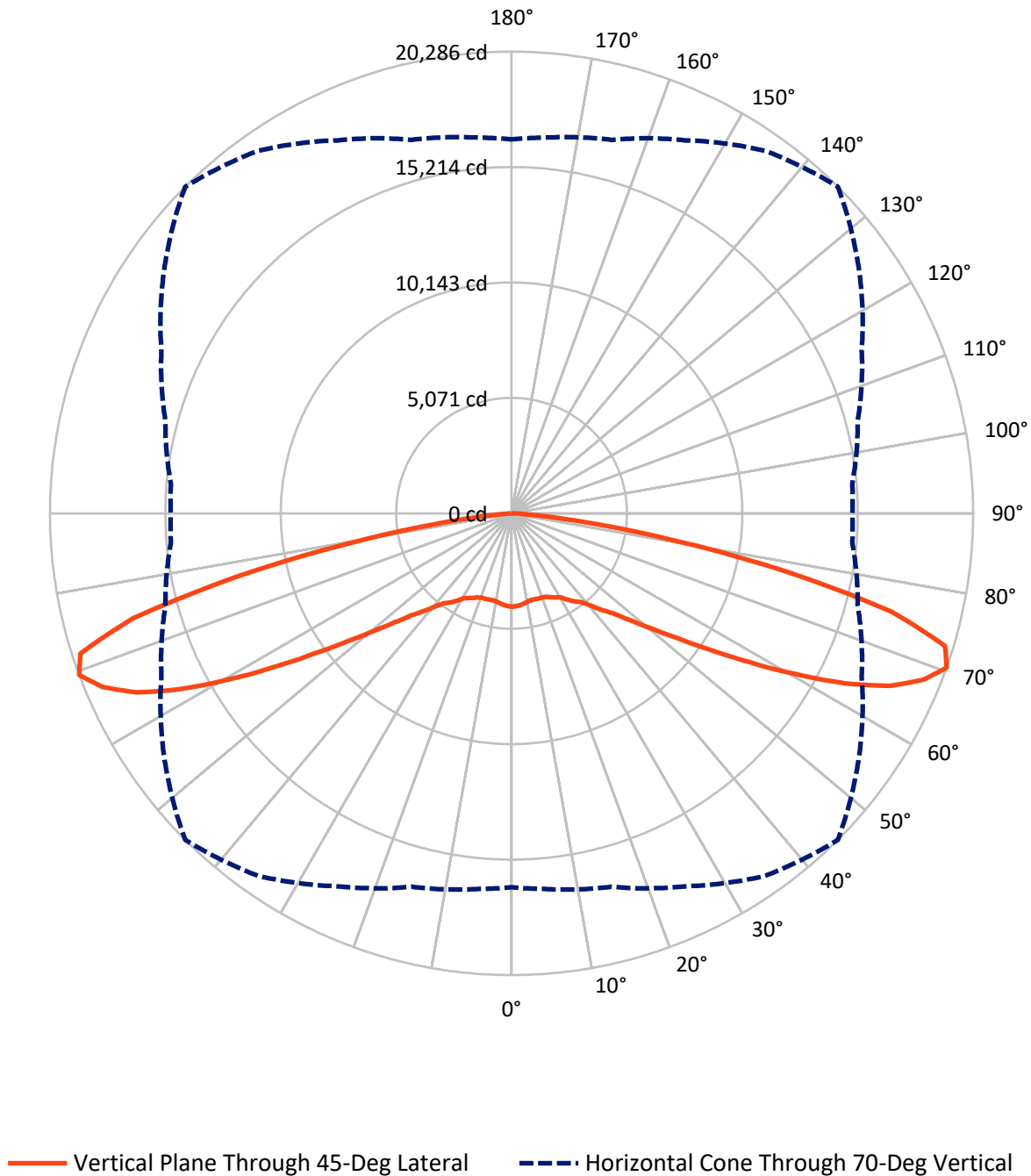
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316084
CATALOG NUMBER: GAN-SA0B-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316084

CATALOG NUMBER: GAN-SA0B-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24913.0	0.0	24913.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24913.0	0.0	24913.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49826.0	0.0	49826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	0.8
10°-20°	1118.0	2.2
20°-30°	1906.1	3.8
30°-40°	2978.3	6.0
40°-50°	5047.6	10.1
50°-60°	9204.7	18.5
60°-70°	15846.5	31.8
70°-80°	12421.1	24.9
80°-90°	921.0	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°	49826.0	100.0
0°-180°	49826.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316084

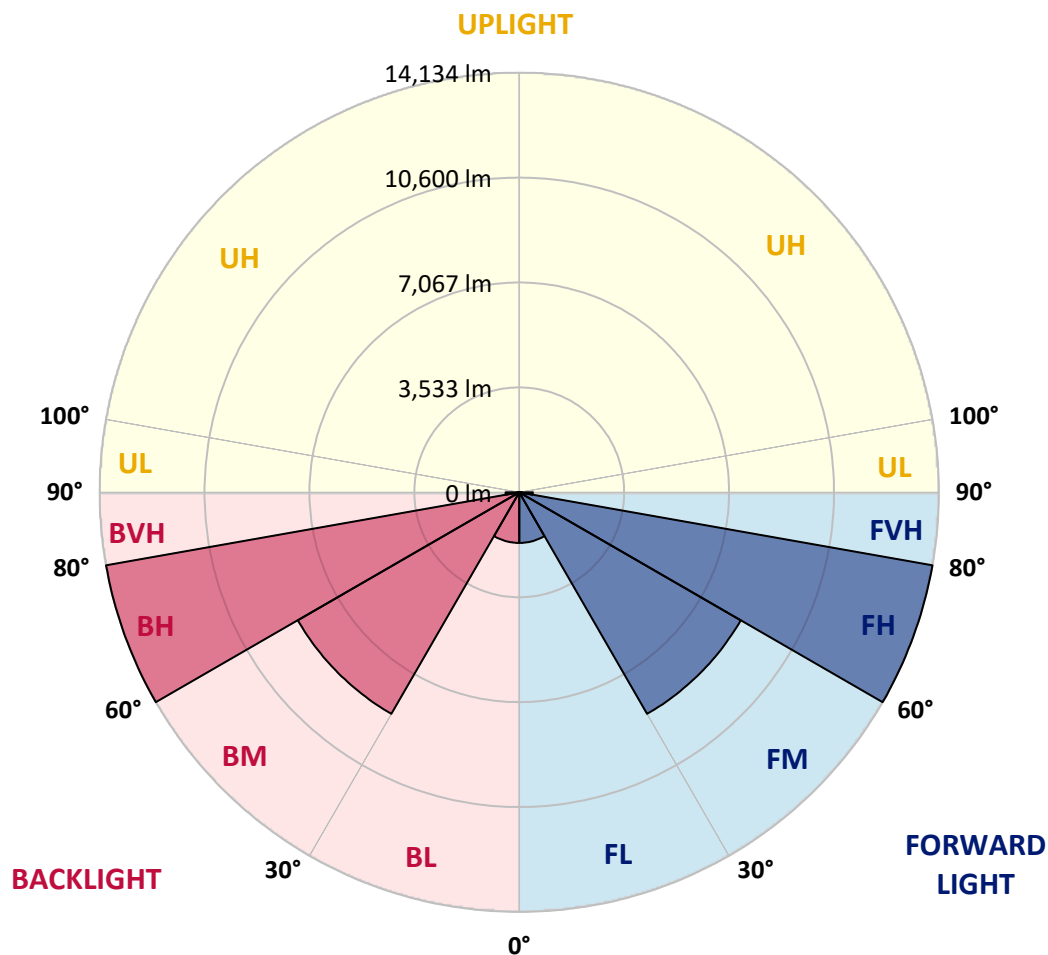
CATALOG NUMBER: GAN-SA0B-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1703.4	3.4			
FM	(30°-60°)	8615.3	17.3			
FH	(60°-80°)	14133.8	28.4			G5
FVH	(80°-90°)	460.5	0.9			G3/500
BL	(0°-30°)	1703.4	3.4	B3/2500		
BM	(30°-60°)	8615.3	17.3	B5		
BH	(60°-80°)	14133.8	28.4	B5		G5
BVH	(80°-90°)	460.5	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: P316084

CATALOG NUMBER: GAN-SA0B-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7	4100.7
2.5°	4082.6	4087.5	4082.6	4085.9	4077.6	4080.9	4080.9	4080.9	4079.3	4080.9	4077.6
5°	4046.3	4049.6	4043.0	4046.3	4041.4	4046.3	4047.9	4046.3	4043.0	4044.6	4038.1
7.5°	3991.9	3995.2	3990.3	3995.2	3988.6	3996.9	3995.2	3990.3	3985.3	3985.3	3978.7
10°	3962.2	3963.9	3950.7	3945.8	3930.9	3934.2	3939.2	3944.1	3949.1	3958.9	3957.3
12.5°	3963.9	3963.9	3944.1	3922.7	3901.3	3906.2	3914.4	3932.6	3952.3	3970.5	3972.1
15°	3980.4	3978.7	3949.1	3914.4	3899.6	3914.4	3919.4	3930.9	3962.2	3993.6	3995.2
17.5°	3991.9	3991.9	3945.8	3906.2	3904.6	3927.6	3926.0	3930.9	3965.5	4011.7	4013.3
20°	4013.3	4013.3	3954.0	3911.1	3911.1	3935.9	3937.5	3945.8	3980.4	4031.5	4039.7
22.5°	4061.1	4062.8	4000.1	3965.5	3968.8	3983.7	3988.6	4001.8	4033.1	4089.1	4099.0
25°	4128.7	4132.0	4067.7	4047.9	4059.5	4087.5	4084.2	4094.1	4128.7	4183.1	4193.0
27.5°	4222.7	4214.4	4155.1	4146.8	4158.4	4178.2	4176.5	4178.2	4206.2	4255.6	4267.2
30°	4344.6	4341.3	4298.5	4303.4	4298.5	4291.9	4293.5	4306.7	4321.5	4361.1	4372.6
32.5°	4463.3	4466.6	4440.2	4464.9	4501.2	4525.9	4488.0	4451.8	4435.3	4456.7	4466.6
35°	4677.6	4685.8	4644.6	4628.1	4677.6	4750.1	4642.9	4583.6	4616.6	4644.6	4652.8
37.5°	5041.8	5046.7	4977.5	4911.6	4875.3	4944.6	4837.4	4842.4	4957.7	5010.5	5008.8
40°	5457.1	5458.8	5412.6	5355.0	5292.3	5308.8	5266.0	5279.1	5355.0	5402.8	5415.9
42.5°	5951.6	5946.7	5874.1	5791.7	5773.6	5790.1	5717.6	5707.7	5795.0	5880.7	5882.4
45°	6592.7	6581.2	6487.3	6396.6	6309.3	6273.0	6254.9	6302.7	6423.0	6502.1	6503.7
47.5°	7283.3	7252.0	7202.6	7130.1	7054.2	7018.0	6988.3	7011.4	7098.7	7130.1	7133.3
50°	7993.7	8000.3	8010.2	7982.2	7954.1	7942.6	7865.1	7820.6	7847.0	7789.3	7781.1
52.5°	8835.9	8849.1	8944.7	9025.5	9073.3	9098.0	8951.3	8798.0	8712.3	8600.2	8567.3
55°	9829.8	9851.2	9991.3	10215.5	10446.2	10568.2	10302.8	10016.0	9750.7	9541.3	9473.8
57.5°	10937.4	10975.3	11168.1	11598.3	12071.3	12359.7	11911.4	11390.6	10878.0	10576.4	10523.7
60°	12236.1	12272.4	12539.4	13155.8	13922.2	14355.7	13676.6	12824.5	12186.7	11898.3	11801.0
62.5°	13782.1	13785.4	14113.4	14833.7	15845.7	16448.9	15529.2	14390.3	13732.7	13384.9	13291.0
65°	15445.2	15453.4	15792.9	16570.9	17617.5	18273.4	17235.1	16048.4	15244.1	14731.5	14659.0
67.5°	16620.3	16654.9	17012.6	17948.7	18927.8	19519.5	18444.8	17103.2	16173.6	15562.2	15501.2
70°	16432.4	16567.6	16987.9	18080.6	19442.0	20285.9	18641.0	16978.0	15751.7	15029.8	14978.7
72.5°	14331.0	14589.7	15150.1	16584.0	18761.3	19923.3	17571.3	15206.2	13818.4	13203.6	13111.3
75°	9758.9	10179.2	11024.7	13093.2	16028.6	17249.9	14792.5	12124.1	10818.7	9968.2	9905.6
77.5°	4351.2	4446.8	5518.1	7899.8	11061.0	12387.8	10747.8	7931.1	5953.2	4748.4	4494.6
80°	1213.1	1227.9	1638.3	2942.0	5536.3	7278.4	5943.4	3090.3	1737.2	1224.6	1153.7
82.5°	385.7	418.6	510.9	763.1	1860.8	3321.1	1910.2	824.1	586.8	468.1	421.9
85°	187.9	186.2	258.8	309.9	474.7	735.1	506.0	382.4	334.6	222.5	201.1
87.5°	79.1	80.8	120.3	108.8	138.4	118.7	163.2	171.4	179.7	98.9	85.7
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)