

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: P316511

Luminaire Tested: **GAN-SA7A-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316511
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-SA7A-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34627 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

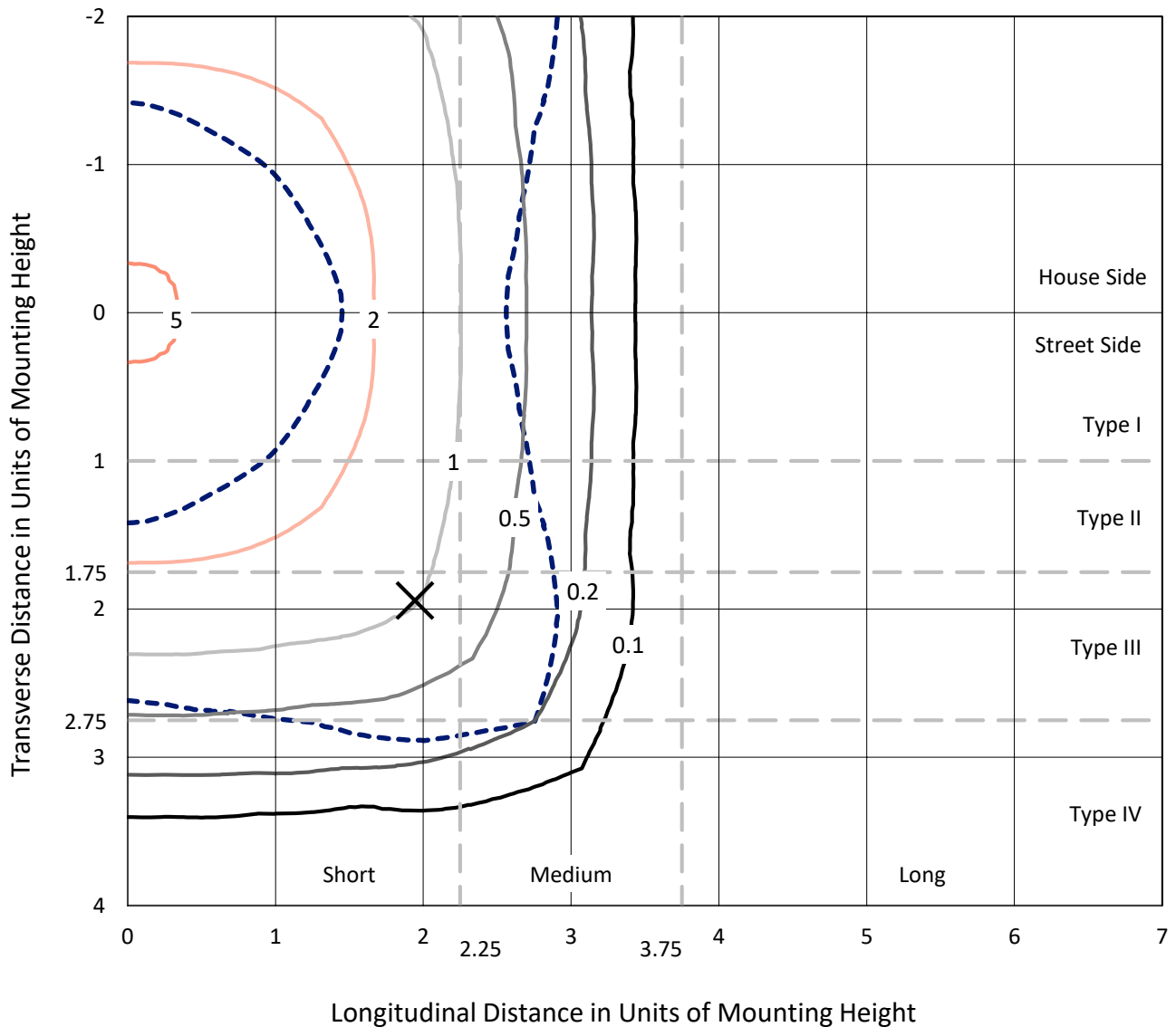
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316511
 CATALOG NUMBER: GAN-SA7A-750-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

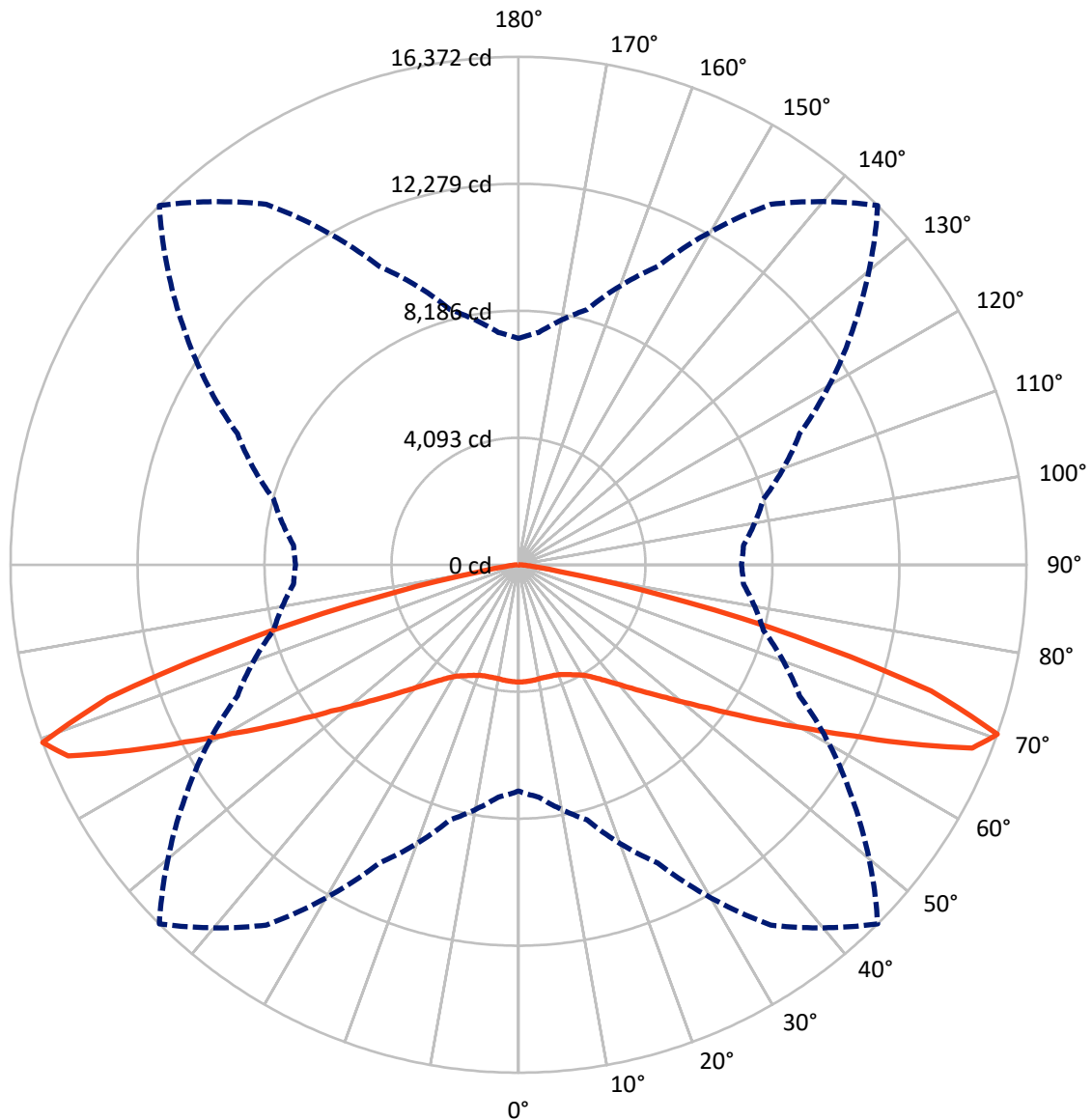
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316511
CATALOG NUMBER: GAN-SA7A-750-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P316511
 CATALOG NUMBER: GAN-SA7A-750-U-5MQ

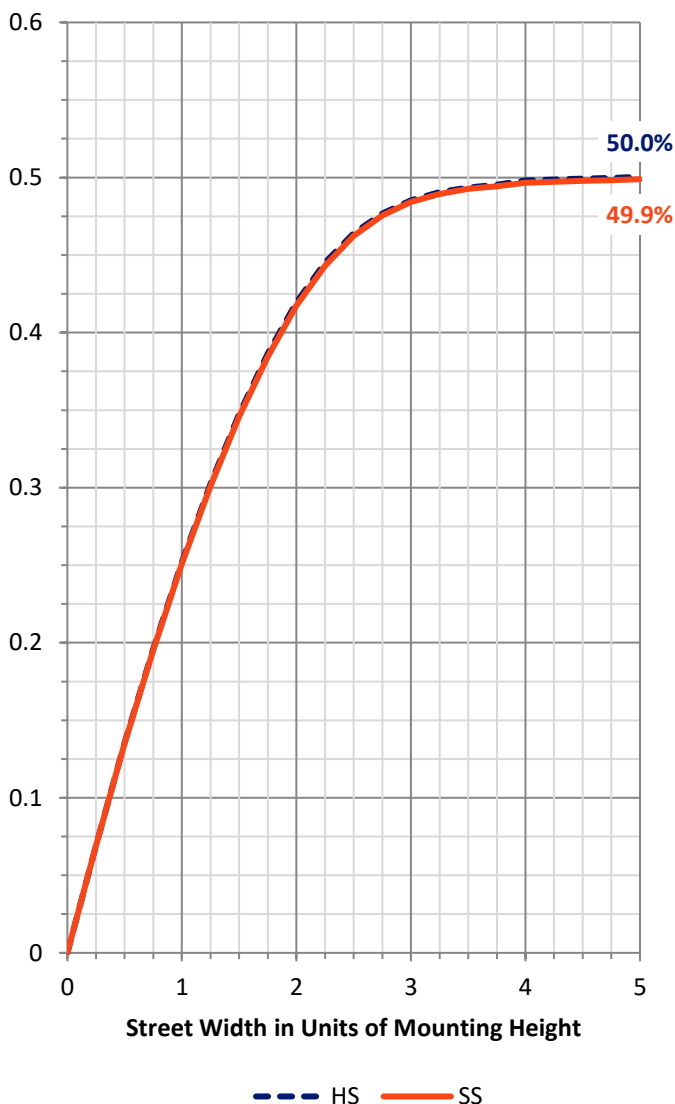
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17313.5	0.0	17313.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17313.5	0.0	17313.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34627.0	0.0	34627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	1.0
10°-20°	1051.5	3.0
20°-30°	1790.0	5.2
30°-40°	2838.9	8.2
40°-50°	4619.8	13.3
50°-60°	7617.3	22.0
60°-70°	11182.4	32.3
70°-80°	4944.8	14.3
80°-90°	223.9	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°	34627.0	100.0
0°-180°	34627.0	100.0

Coefficient of Utilization



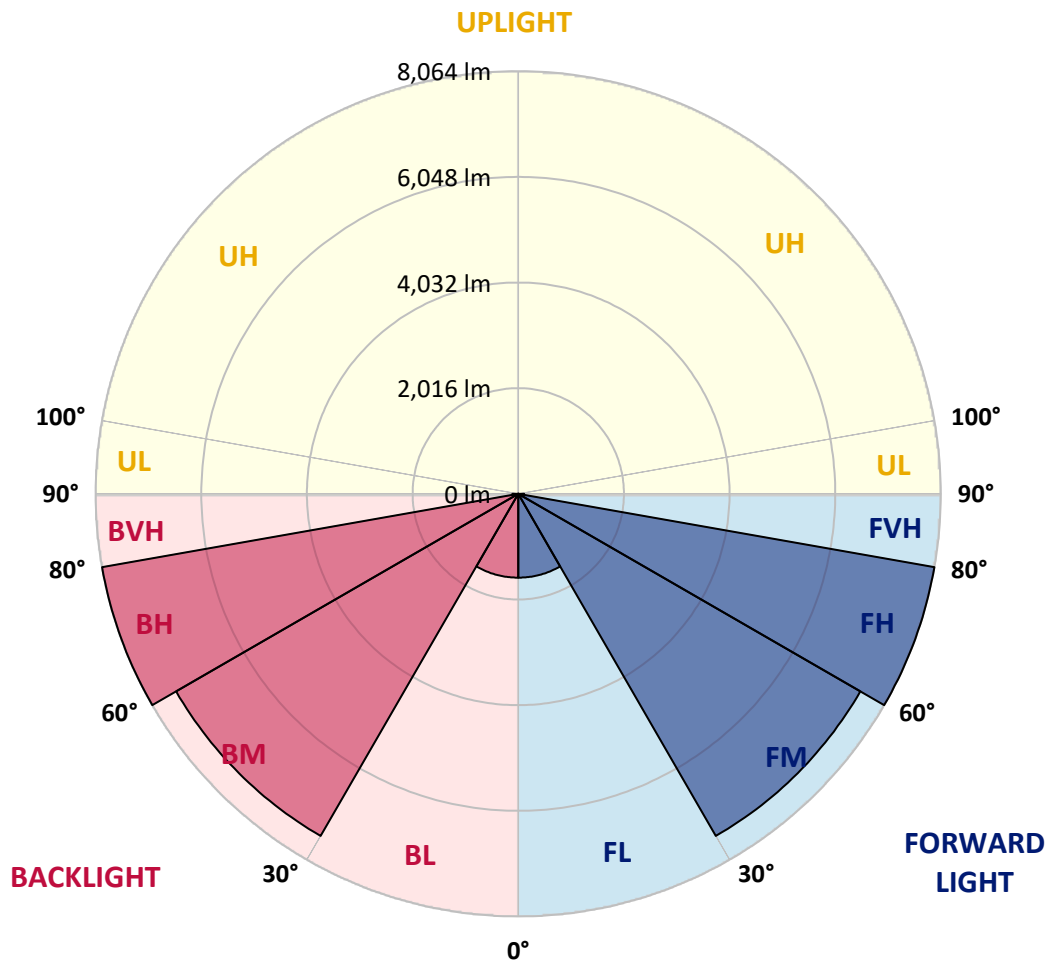
REPORT NUMBER: P316511
 CATALOG NUMBER: GAN-SA7A-750-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1599.9	4.6			
FM (30°-60°)	7538.0	21.8			
FH (60°-80°)	8063.6	23.3			G4/12000
FVH (80°-90°)	112.0	0.3			G2/225
BL (0°-30°)	1599.9	4.6	B3/2500		
BM (30°-60°)	7538.0	21.8	B4/8500		
BH (60°-80°)	8063.6	23.3	B5		G4/12000
BVH (80°-90°)	112.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P316511

CATALOG NUMBER: GAN-SA7A-750-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8
2.5°	3776.1	3772.6	3780.7	3779.5	3772.6	3773.8	3773.8	3777.2	3777.2	3774.9	3774.9
5°	3762.3	3760.0	3769.2	3769.2	3762.3	3764.6	3766.9	3770.3	3769.2	3766.9	3765.8
7.5°	3745.1	3744.0	3753.2	3753.2	3748.6	3750.9	3748.6	3749.7	3747.4	3745.1	3741.7
10°	3716.5	3718.8	3726.8	3729.1	3729.1	3730.2	3727.9	3722.2	3718.8	3715.3	3711.9
12.5°	3690.1	3689.0	3700.4	3706.2	3715.3	3725.7	3718.8	3702.7	3695.9	3689.0	3686.7
15°	3672.9	3674.1	3685.5	3695.9	3711.9	3733.7	3725.7	3700.4	3686.7	3678.7	3676.4
17.5°	3669.5	3671.8	3686.7	3705.0	3722.2	3746.3	3741.7	3716.5	3693.6	3678.7	3675.2
20°	3677.5	3678.7	3701.6	3727.9	3757.7	3780.7	3770.3	3742.8	3711.9	3689.0	3683.3
22.5°	3692.4	3697.0	3725.7	3766.9	3812.7	3843.7	3831.1	3784.1	3736.0	3707.3	3699.3
25°	3739.4	3740.6	3779.5	3835.7	3890.7	3926.2	3911.3	3844.8	3783.0	3750.9	3740.6
27.5°	3836.8	3840.3	3879.2	3944.5	3991.5	4014.4	4005.3	3951.4	3898.7	3864.3	3867.8
30°	3977.8	3982.4	4025.9	4098.1	4126.8	4132.5	4130.2	4105.0	4056.8	4011.0	4014.4
32.5°	4149.7	4152.0	4210.4	4275.7	4298.7	4303.2	4298.7	4275.7	4218.4	4156.5	4160.0
35°	4370.9	4377.7	4433.9	4496.9	4515.2	4524.4	4516.4	4486.6	4427.0	4366.3	4364.0
37.5°	4643.6	4644.7	4703.2	4768.5	4791.4	4793.7	4784.6	4765.1	4690.6	4635.6	4632.1
40°	4959.9	4964.5	5033.2	5103.1	5112.3	5102.0	5114.6	5103.1	5026.4	4963.3	4973.6
42.5°	5345.0	5355.3	5437.8	5506.5	5480.2	5474.5	5482.5	5485.9	5424.0	5347.2	5340.4
45°	5793.0	5802.2	5905.3	5960.4	5943.2	5905.3	5921.4	5948.9	5862.9	5767.8	5777.0
47.5°	6304.2	6327.1	6437.1	6488.7	6446.3	6394.7	6425.6	6466.9	6366.0	6248.0	6242.3
50°	6872.6	6901.2	7047.9	7120.1	7077.7	6982.6	7034.2	7061.7	6916.1	6763.7	6751.1
52.5°	7478.8	7507.5	7692.0	7840.9	7813.4	7665.6	7737.8	7709.2	7541.8	7336.7	7320.7
55°	8165.3	8176.7	8376.1	8616.8	8644.3	8535.4	8530.8	8483.9	8236.3	7999.1	7987.6
57.5°	8871.2	8879.2	9137.1	9421.3	9550.8	9550.8	9422.4	9322.7	8993.8	8718.8	8690.1
60°	9633.3	9661.9	9947.3	10333.5	10636.0	10725.4	10498.5	10226.9	9869.4	9533.6	9500.4
62.5°	10311.7	10345.0	10781.6	11356.9	11842.8	12168.3	11613.6	11171.2	10520.3	9981.7	9918.6
65°	10397.7	10487.1	11123.1	12164.8	13252.4	13902.2	12838.7	11748.8	10562.7	9814.4	9750.2
67.5°	9495.8	9647.0	10506.5	12128.1	14375.5	15770.1	13621.4	11418.8	9801.8	8974.3	8903.3
70°	7296.6	7516.6	8507.9	10608.5	14181.8	16371.8	13130.9	9996.6	8172.1	7281.7	7182.0
72.5°	4003.0	4093.5	4985.1	7264.5	11369.5	13912.5	10952.3	7391.7	5419.4	4409.8	4242.5
75°	1269.8	1301.9	1755.7	2972.7	6431.4	9215.0	6957.4	3628.2	1997.5	1472.6	1455.4
77.5°	563.8	567.3	634.9	867.5	2215.2	4668.8	2661.0	987.9	680.7	594.8	614.3
80°	356.4	356.4	393.1	429.8	602.8	1355.7	719.7	469.9	401.1	372.5	380.5
82.5°	170.8	189.1	255.6	275.0	331.2	456.1	369.0	307.1	268.2	199.4	185.7
85°	112.3	94.0	161.6	182.2	192.5	218.9	214.3	202.8	175.3	99.7	111.2
87.5°	50.4	48.1	83.7	76.8	72.2	55.0	82.5	102.0	98.6	49.3	49.3
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)