

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: P316471

Luminaire Tested: **GAN-SA7A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316471
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 34628 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

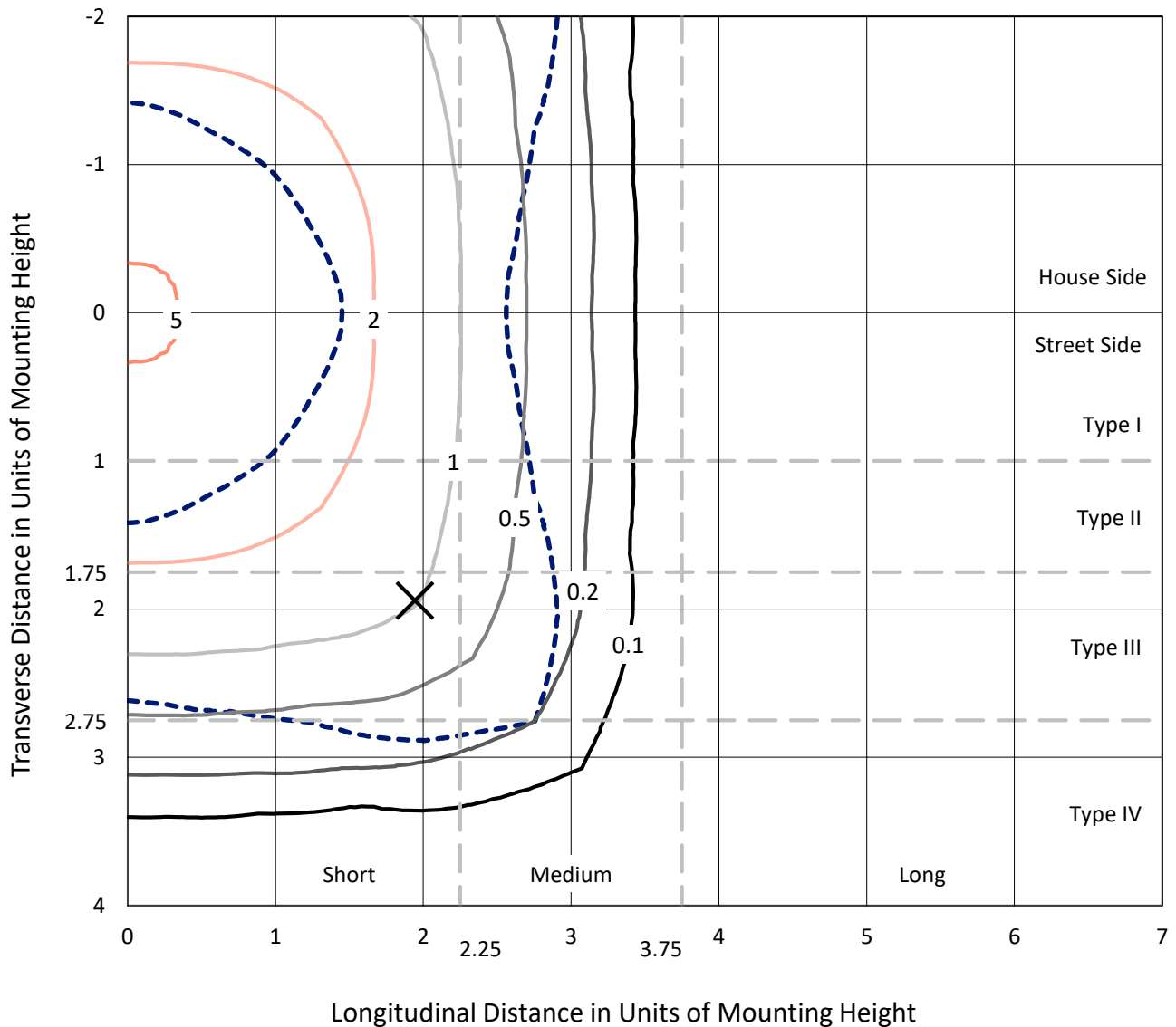
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

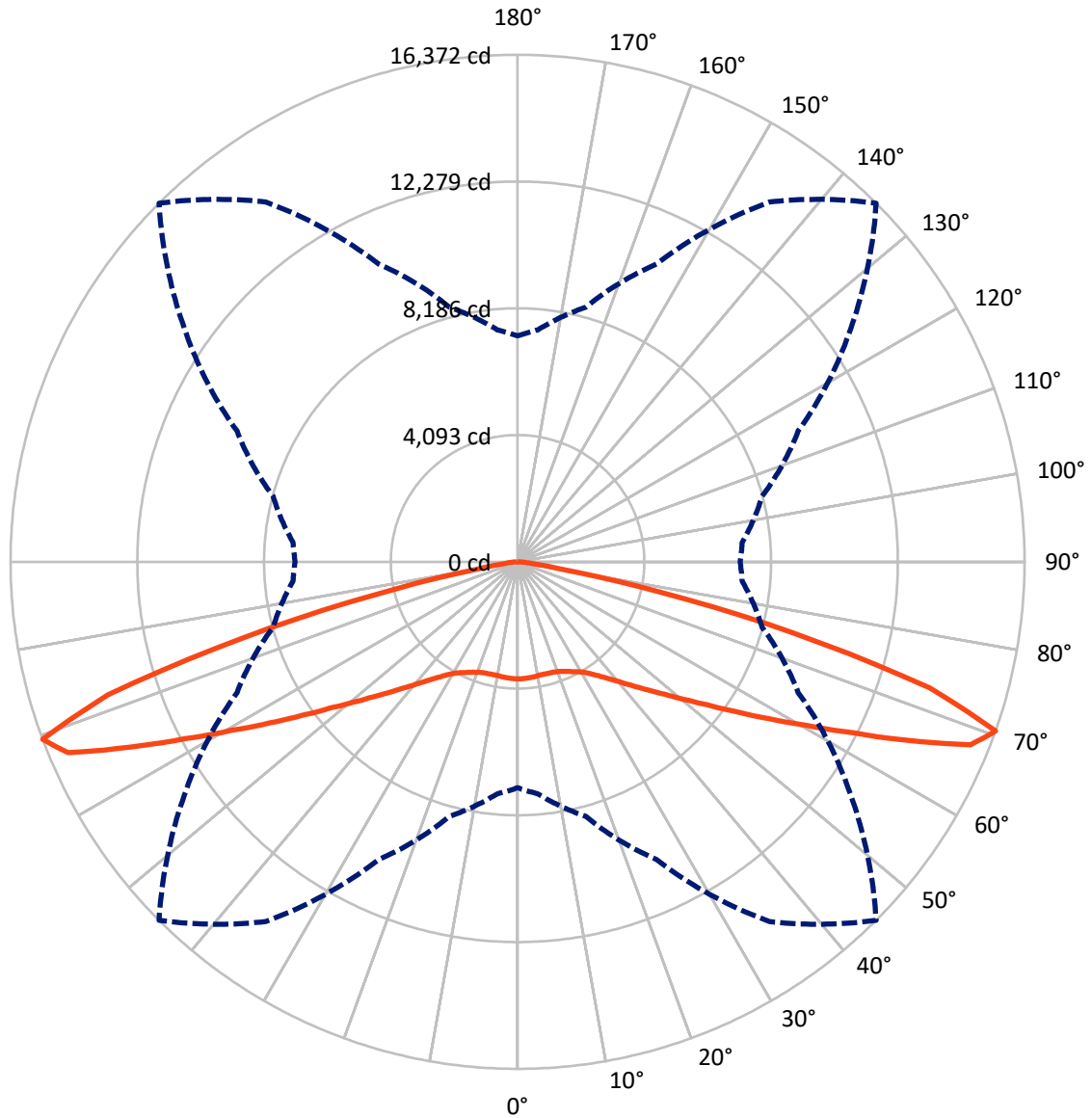
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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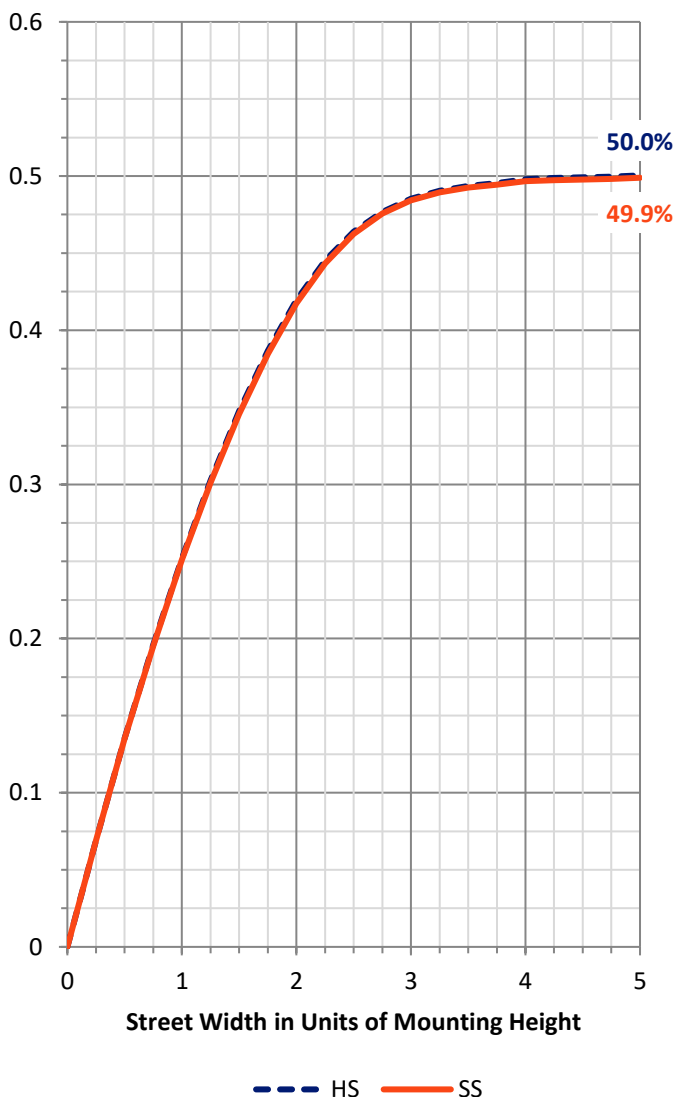
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17314.0	0.0	17314.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17314.0	0.0	17314.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34628.0	0.0	34628.0
	% 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°	1790.1	5.2
30°-40°	2839.0	8.2
40°-50°	4620.0	13.3
50°-60°	7617.5	22.0
60°-70°	11182.7	32.3
70°-80°	4945.0	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°	34628.0	100.0
0°-180°	34628.0	100.0

Coefficient of Utilization

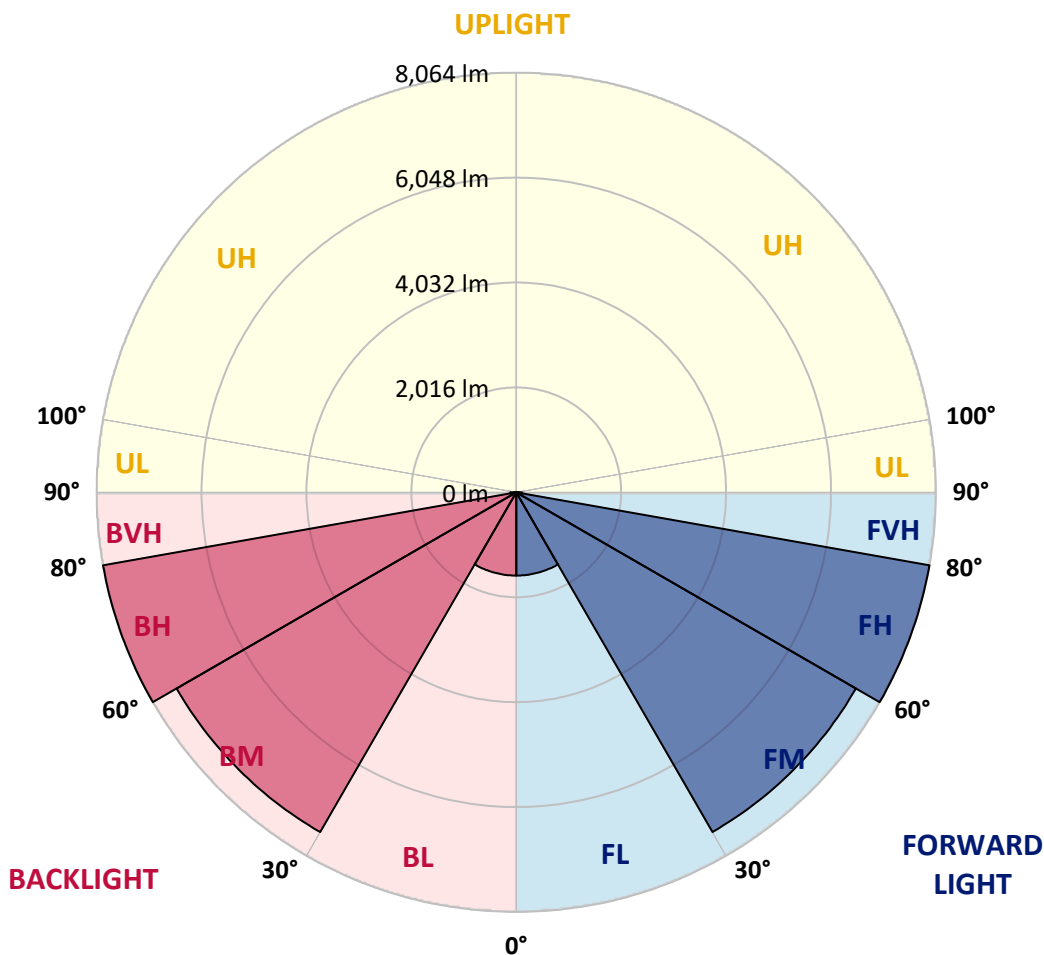


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1599.9	4.6			
FM (30°-60°)	7538.3	21.8			
FH (60°-80°)	8063.9	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°)	7538.3	21.8	B4/8500		
BH (60°-80°)	8063.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9	3781.9
2.5°	3776.2	3772.7	3780.8	3779.6	3772.7	3773.9	3773.9	3777.3	3777.3	3775.0	3775.0
5°	3762.4	3760.1	3769.3	3769.3	3762.4	3764.7	3767.0	3770.5	3769.3	3767.0	3765.9
7.5°	3745.2	3744.1	3753.3	3753.3	3748.7	3751.0	3748.7	3749.8	3747.5	3745.2	3741.8
10°	3716.6	3718.9	3726.9	3729.2	3729.2	3730.3	3728.1	3722.3	3718.9	3715.4	3712.0
12.5°	3690.2	3689.1	3700.5	3706.3	3715.4	3725.8	3718.9	3702.8	3696.0	3689.1	3686.8
15°	3673.0	3674.2	3685.6	3696.0	3712.0	3733.8	3725.8	3700.5	3686.8	3678.8	3676.5
17.5°	3669.6	3671.9	3686.8	3705.1	3722.3	3746.4	3741.8	3716.6	3693.7	3678.8	3675.3
20°	3677.6	3678.8	3701.7	3728.1	3757.8	3780.8	3770.5	3743.0	3712.0	3689.1	3683.4
22.5°	3692.5	3697.1	3725.8	3767.0	3812.9	3843.8	3831.2	3784.2	3736.1	3707.4	3699.4
25°	3739.5	3740.7	3779.6	3835.8	3890.8	3926.3	3911.4	3844.9	3783.1	3751.0	3740.7
27.5°	3836.9	3840.4	3879.3	3944.7	3991.6	4014.6	4005.4	3951.5	3898.8	3864.4	3867.9
30°	3977.9	3982.5	4026.0	4098.2	4126.9	4132.6	4130.3	4105.1	4057.0	4011.1	4014.6
32.5°	4149.8	4152.1	4210.5	4275.9	4298.8	4303.4	4298.8	4275.9	4218.6	4156.7	4160.1
35°	4371.0	4377.9	4434.0	4497.0	4515.4	4524.5	4516.5	4486.7	4427.1	4366.4	4364.1
37.5°	4643.7	4644.9	4703.3	4768.7	4791.6	4793.9	4784.7	4765.2	4690.7	4635.7	4632.3
40°	4960.0	4964.6	5033.4	5103.3	5112.5	5102.1	5114.8	5103.3	5026.5	4963.5	4973.8
42.5°	5345.1	5355.4	5437.9	5506.7	5480.3	5474.6	5482.6	5486.1	5424.2	5347.4	5340.5
45°	5793.2	5802.4	5905.5	5960.5	5943.3	5905.5	5921.6	5949.1	5863.1	5768.0	5777.2
47.5°	6304.3	6327.3	6437.3	6488.9	6446.4	6394.9	6425.8	6467.1	6366.2	6248.2	6242.5
50°	6872.8	6901.4	7048.1	7120.3	7077.9	6982.8	7034.4	7061.9	6916.3	6763.9	6751.3
52.5°	7479.0	7507.7	7692.2	7841.2	7813.7	7665.8	7738.0	7709.4	7542.1	7336.9	7320.9
55°	8165.5	8177.0	8376.4	8617.0	8644.5	8535.7	8531.1	8484.1	8236.6	7999.3	7987.9
57.5°	8871.5	8879.5	9137.3	9421.6	9551.1	9551.1	9422.7	9323.0	8994.1	8719.0	8690.4
60°	9633.6	9662.2	9947.6	10333.8	10636.4	10725.7	10498.8	10227.2	9869.7	9533.9	9500.6
62.5°	10312.0	10345.3	10781.9	11357.2	11843.1	12168.6	11613.9	11171.6	10520.6	9982.0	9918.9
65°	10398.0	10487.4	11123.4	12165.2	13252.8	13902.6	12839.0	11749.2	10563.0	9814.6	9750.5
67.5°	9496.0	9647.3	10506.9	12128.5	14375.9	15770.6	13621.8	11419.1	9802.0	8974.6	8903.5
70°	7296.8	7516.8	8508.2	10608.8	14182.2	16372.3	13131.3	9996.9	8172.4	7281.9	7182.2
72.5°	4003.1	4093.6	4985.3	7264.7	11369.8	13912.9	10952.7	7391.9	5419.6	4409.9	4242.6
75°	1269.8	1301.9	1755.7	2972.8	6431.6	9215.3	6957.6	3628.3	1997.5	1472.7	1455.5
77.5°	563.8	567.3	634.9	867.5	2215.3	4668.9	2661.1	987.9	680.7	594.8	614.3
80°	356.4	356.4	393.1	429.8	602.8	1355.8	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)