

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: P316432

Luminaire Tested: **GAN-SA8A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316432
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-SA8A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 35731 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

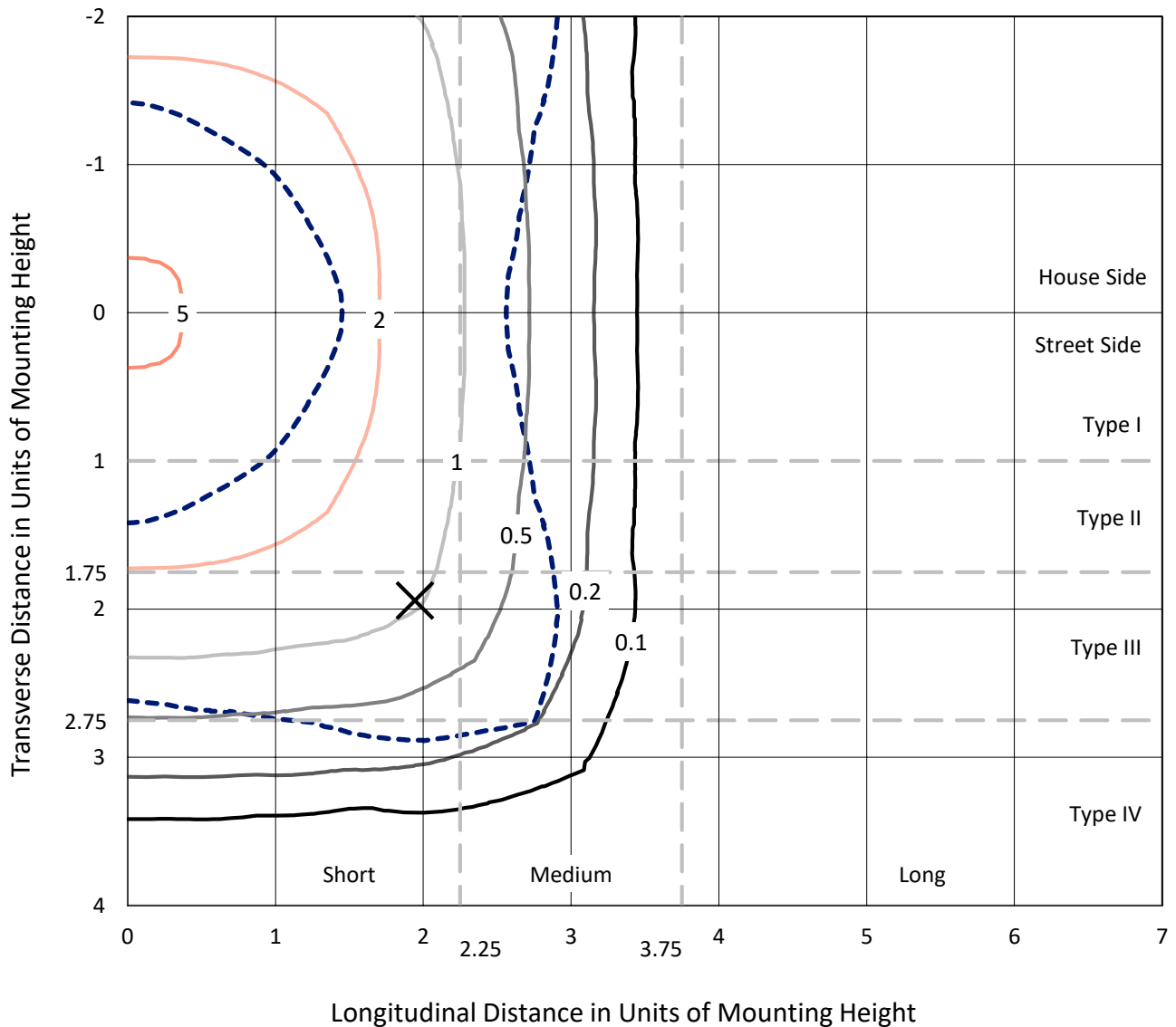
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

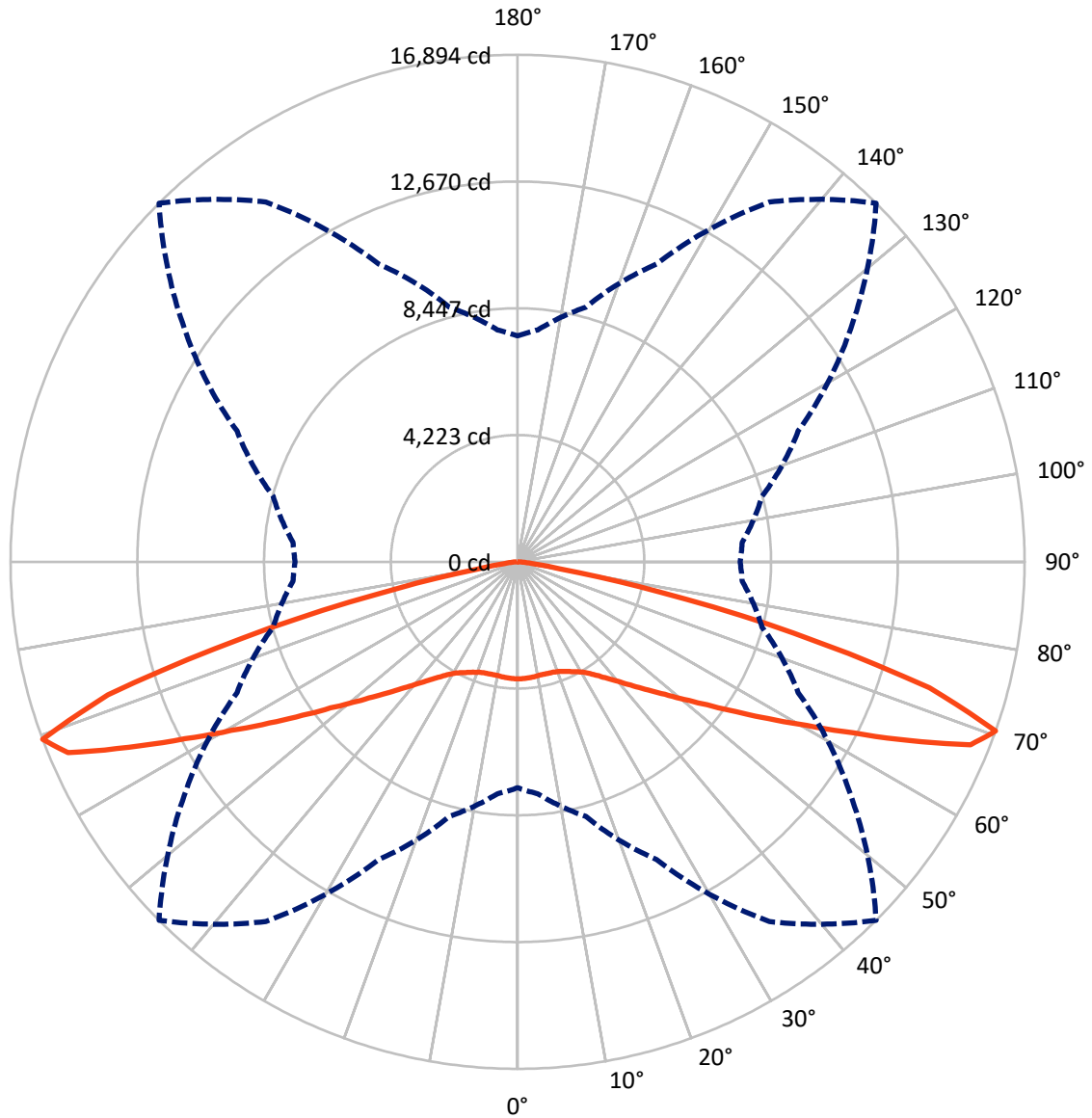
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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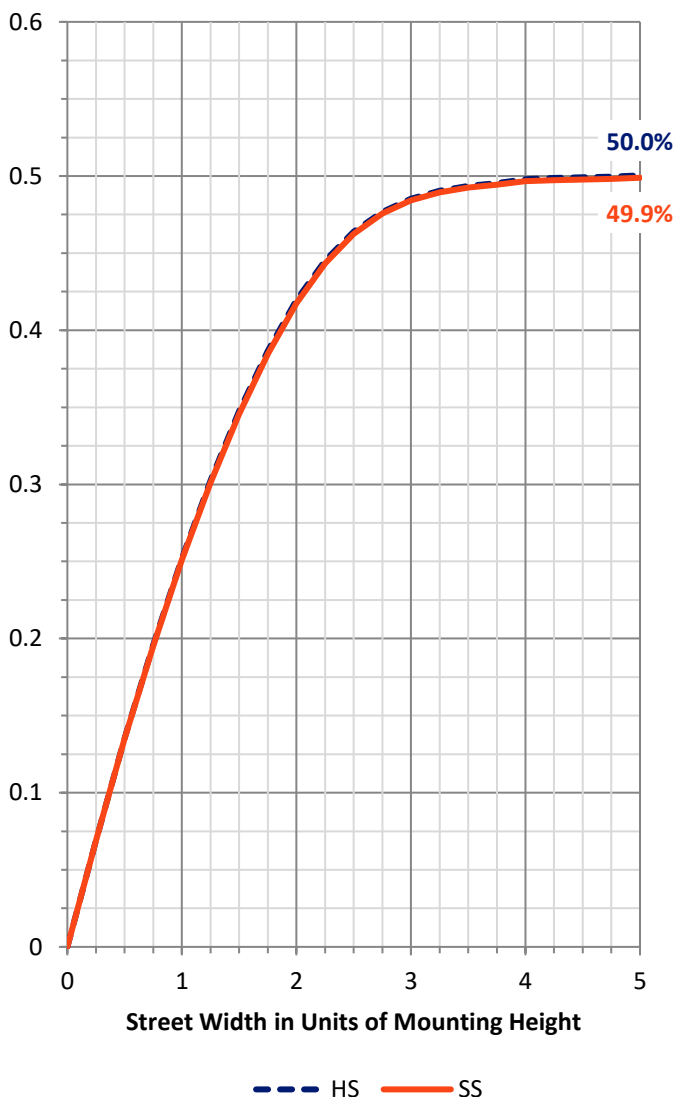
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17865.5	0.0	17865.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17865.5	0.0	17865.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35731.0	0.0	35731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	1.0
10°-20°	1085.0	3.0
20°-30°	1847.1	5.2
30°-40°	2929.5	8.2
40°-50°	4767.1	13.3
50°-60°	7860.2	22.0
60°-70°	11538.9	32.3
70°-80°	5102.5	14.3
80°-90°	231.1	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°	35731.0	100.0
0°-180°	35731.0	100.0

Coefficient of Utilization

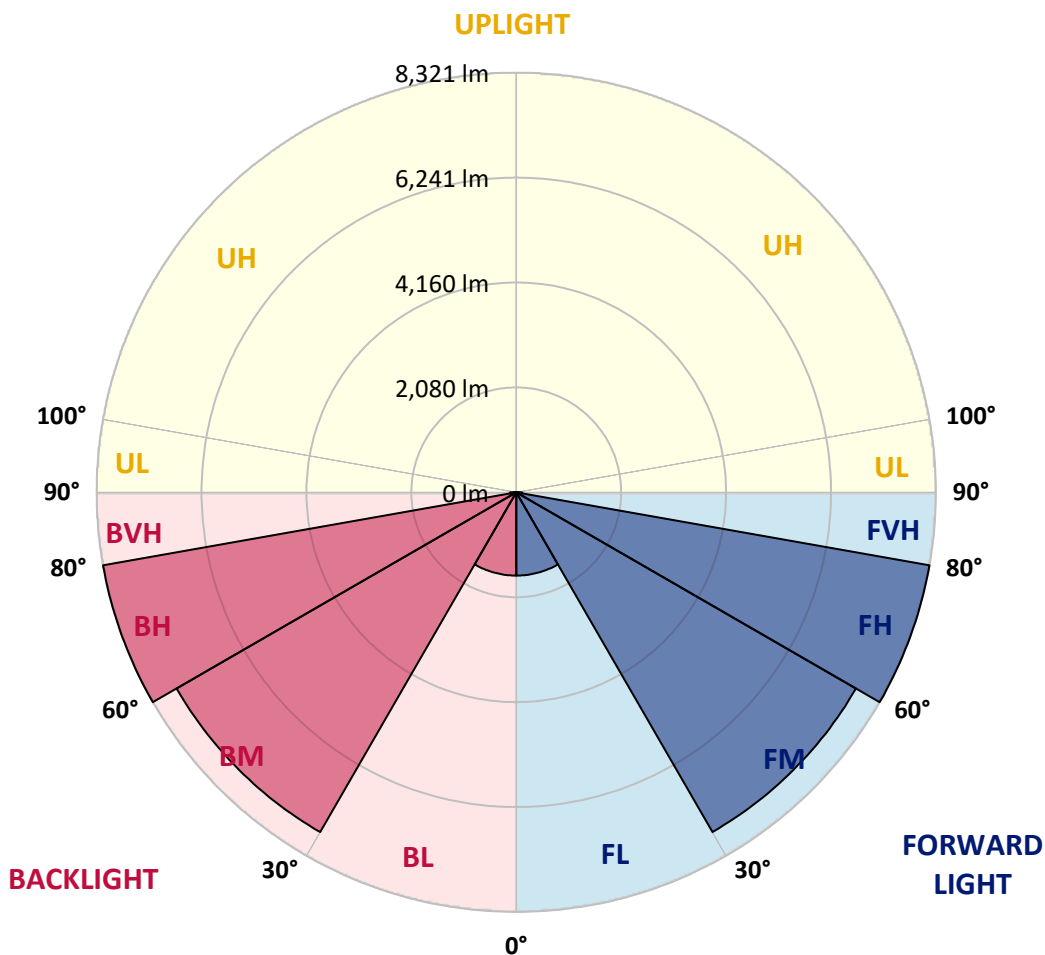


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.9	4.6			
FM (30°-60°)	7778.4	21.8			
FH (60°-80°)	8320.7	23.3			G4/12000
FVH (80°-90°)	115.5	0.3			G2/225
BL (0°-30°)	1650.9	4.6	B3/2500		
BM (30°-60°)	7778.4	21.8	B4/8500		
BH (60°-80°)	8320.7	23.3	B5		G4/12000
BVH (80°-90°)	115.5	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°	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4	3902.4
2.5°	3896.5	3892.9	3901.2	3900.0	3892.9	3894.1	3894.1	3897.7	3897.7	3895.3	3895.3
5°	3882.3	3879.9	3889.4	3889.4	3882.3	3884.6	3887.0	3890.6	3889.4	3887.0	3885.8
7.5°	3864.5	3863.4	3872.8	3872.8	3868.1	3870.5	3868.1	3869.3	3866.9	3864.5	3861.0
10°	3835.0	3837.3	3845.6	3848.0	3848.0	3849.2	3846.8	3840.9	3837.3	3833.8	3830.2
12.5°	3807.8	3806.6	3818.4	3824.3	3833.8	3844.4	3837.3	3820.8	3813.7	3806.6	3804.2
15°	3790.0	3791.2	3803.0	3813.7	3830.2	3852.7	3844.4	3818.4	3804.2	3796.0	3793.6
17.5°	3786.5	3788.9	3804.2	3823.2	3840.9	3865.7	3861.0	3835.0	3811.3	3796.0	3792.4
20°	3794.8	3796.0	3819.6	3846.8	3877.5	3901.2	3890.6	3862.2	3830.2	3806.6	3800.7
22.5°	3810.1	3814.9	3844.4	3887.0	3934.3	3966.2	3953.2	3904.7	3855.1	3825.5	3817.2
25°	3858.6	3859.8	3900.0	3958.0	4014.7	4051.4	4036.0	3967.4	3903.6	3870.5	3859.8
27.5°	3959.1	3962.7	4002.9	4070.3	4118.8	4142.4	4133.0	4077.4	4023.0	3987.5	3991.1
30°	4104.6	4109.3	4154.3	4228.8	4258.3	4264.2	4261.9	4235.9	4186.2	4138.9	4142.4
32.5°	4282.0	4284.3	4344.7	4412.1	4435.7	4440.4	4435.7	4412.1	4352.9	4289.1	4292.6
35°	4510.2	4517.3	4575.2	4640.3	4659.2	4668.7	4660.4	4629.6	4568.2	4505.5	4503.1
37.5°	4791.7	4792.8	4853.1	4920.5	4944.2	4946.6	4937.1	4917.0	4840.1	4783.4	4779.8
40°	5118.0	5122.8	5193.7	5265.8	5275.3	5264.7	5277.7	5265.8	5186.6	5121.6	5132.2
42.5°	5515.4	5526.0	5611.2	5682.1	5654.9	5649.0	5657.3	5660.8	5597.0	5517.7	5510.6
45°	5977.7	5987.2	6093.6	6150.4	6132.7	6093.6	6110.2	6138.6	6049.9	5951.7	5961.2
47.5°	6505.2	6528.8	6642.3	6695.5	6651.8	6598.6	6630.5	6673.1	6569.0	6447.2	6441.3
50°	7091.7	7121.3	7272.6	7347.1	7303.4	7205.2	7258.4	7286.8	7136.6	6979.3	6966.3
52.5°	7717.3	7746.8	7937.2	8090.9	8062.6	7910.0	7984.5	7954.9	7782.3	7570.6	7554.1
55°	8425.6	8437.4	8643.2	8891.5	8919.9	8807.6	8802.8	8754.3	8498.9	8254.1	8242.3
57.5°	9154.0	9162.3	9428.4	9721.7	9855.3	9855.3	9722.8	9620.0	9280.6	8996.8	8967.2
60°	9940.4	9970.0	10264.4	10663.0	10975.2	11067.4	10833.2	10553.0	10184.0	9837.5	9803.3
62.5°	10640.5	10674.8	11125.3	11719.0	12220.4	12556.2	11983.9	11527.4	10855.7	10299.9	10234.9
65°	10729.2	10821.4	11477.7	12552.7	13674.9	14345.4	13248.0	12123.4	10899.5	10127.3	10061.0
67.5°	9798.5	9954.6	10841.5	12514.8	14833.8	16272.9	14055.7	11782.8	10114.3	9260.5	9187.2
70°	7529.2	7756.3	8779.2	10946.8	14633.9	16893.8	13549.5	10315.3	8432.7	7513.9	7411.0
72.5°	4130.6	4224.0	5144.0	7496.1	11732.0	14356.0	11301.5	7627.4	5592.2	4550.4	4377.8
75°	1310.3	1343.4	1811.7	3067.5	6636.4	9508.8	7179.2	3743.9	2061.2	1519.6	1501.8
77.5°	581.8	585.4	655.1	895.2	2285.8	4817.7	2745.9	1019.3	702.4	613.7	633.8
80°	367.8	367.8	405.6	443.5	622.0	1398.9	742.6	484.8	413.9	384.3	392.6
82.5°	176.2	195.1	263.7	283.8	341.8	470.7	380.8	316.9	276.7	205.8	191.6
85°	115.9	97.0	166.7	188.0	198.7	225.9	221.1	209.3	180.9	102.9	114.7
87.5°	52.0	49.7	86.3	79.2	74.5	56.8	85.1	105.2	101.7	50.8	50.8
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)