

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: P317032

Luminaire Tested: **GAN-SA8A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31928 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

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

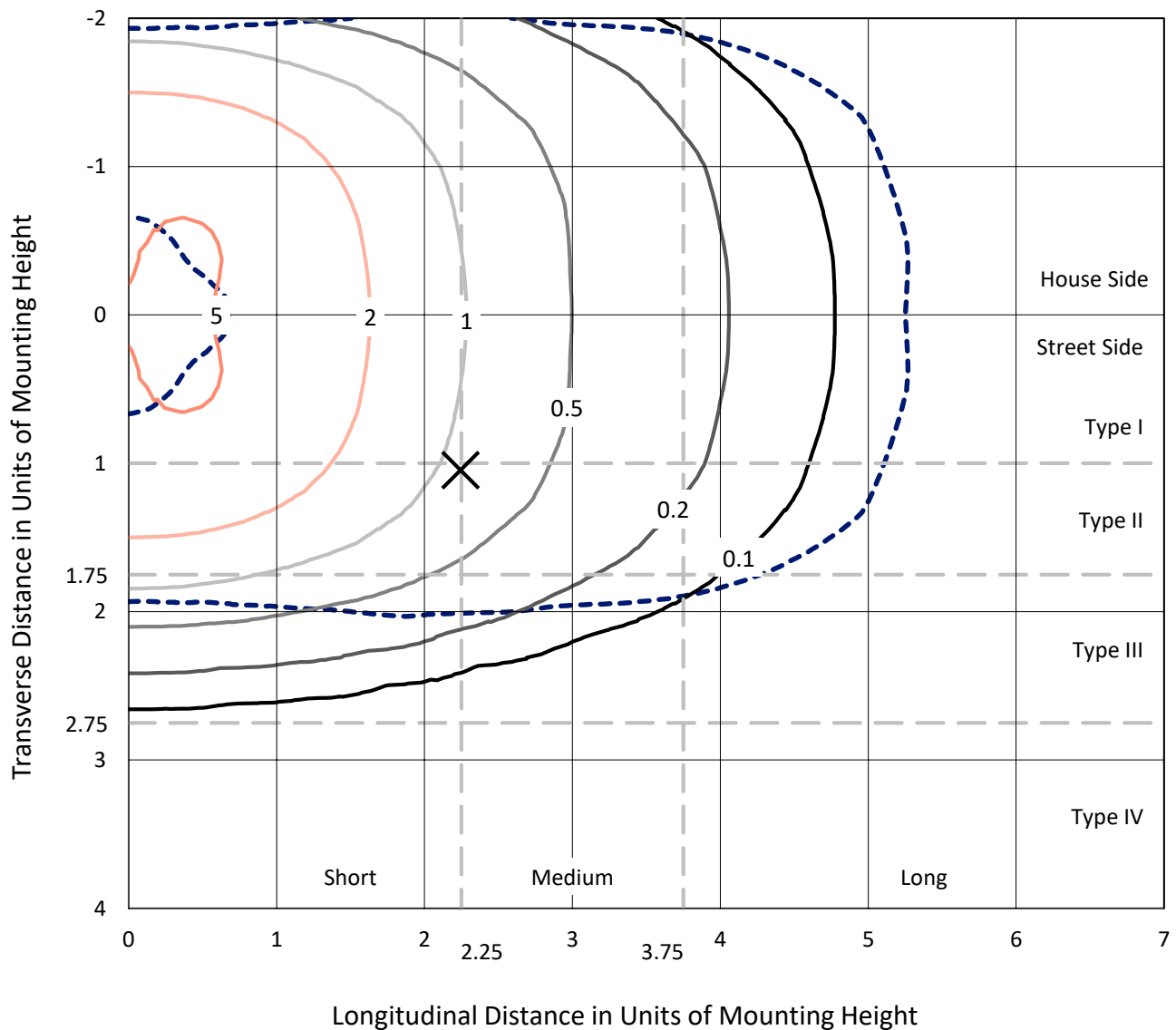


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Iso-Footcandle Lines of Horizontal Illumination

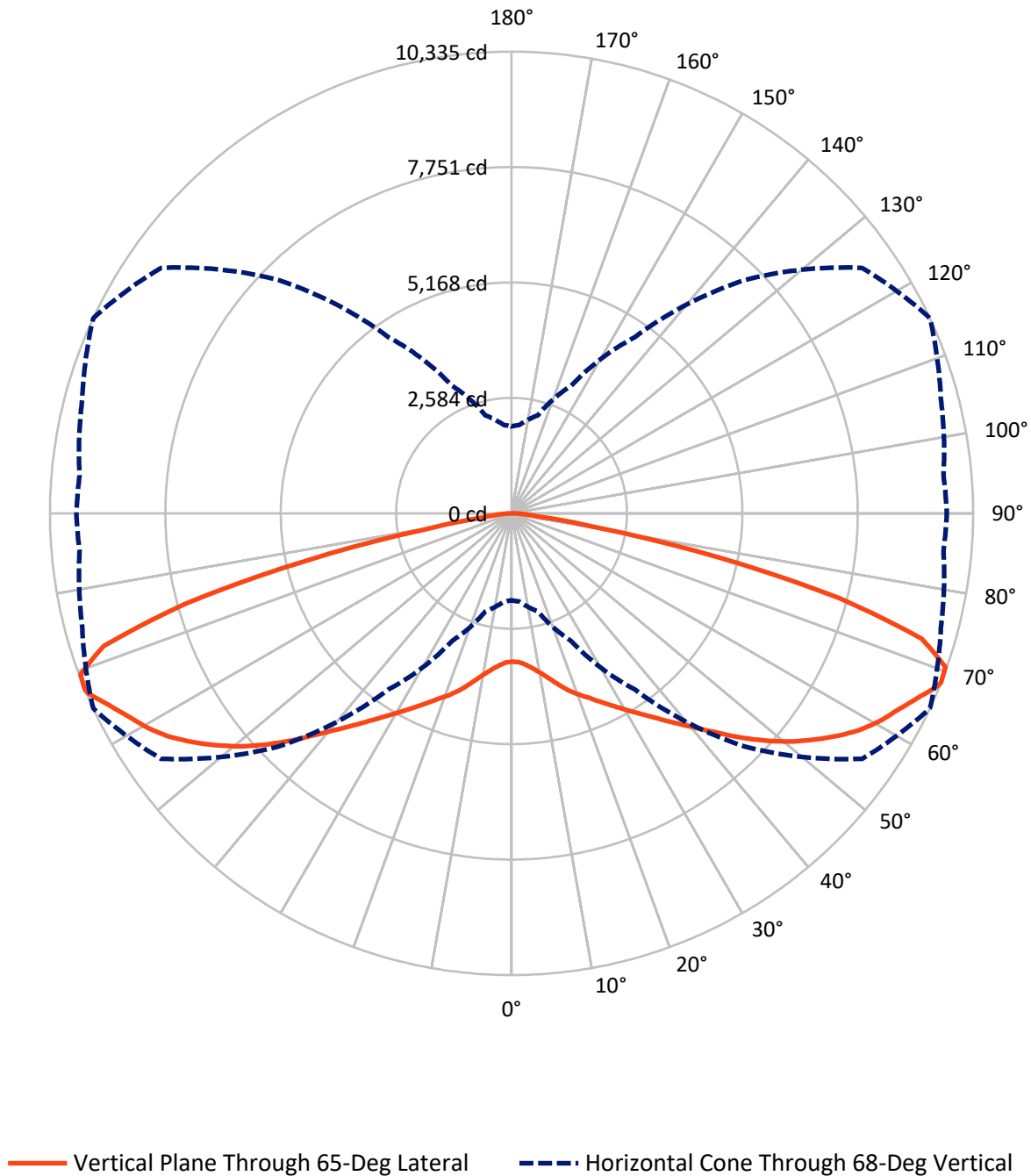
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15964.0	0.0	15964.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15964.0	0.0	15964.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31928.0	0.0	31928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.0	1.0
10°-20°	1088.3	3.4
20°-30°	2122.0	6.6
30°-40°	3564.7	11.2
40°-50°	5616.8	17.6
50°-60°	7511.5	23.5
60°-70°	7302.1	22.9
70°-80°	3991.7	12.5
80°-90°	406.0	1.3
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°	31928.0	100.0
0°-180°	31928.0	100.0

Coefficient of Utilization



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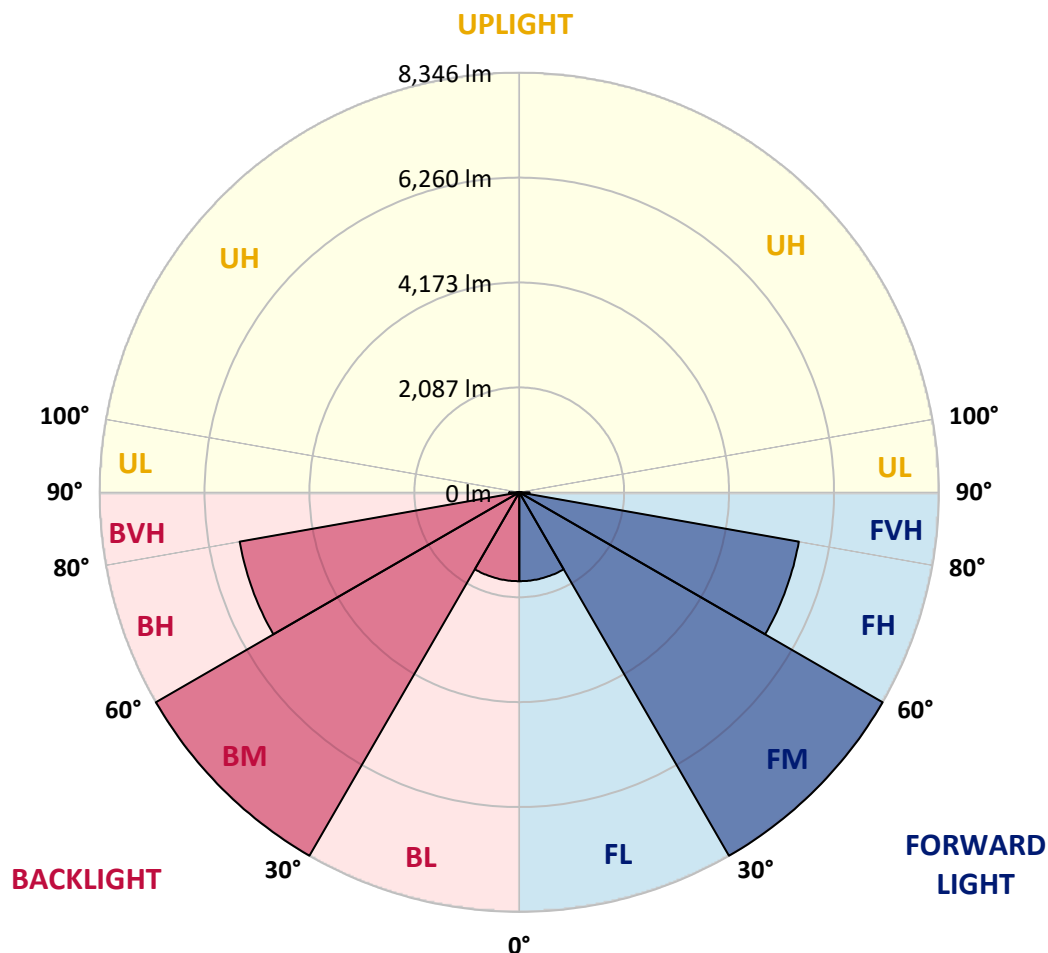
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1767.7	5.5			
FM	(30°-60°)	8346.5	26.1			
FH	(60°-80°)	5646.9	17.7			G3/7500
FVH	(80°-90°)	203.0	0.6			G2/225
BL	(0°-30°)	1767.7	5.5	B3/2500		
BM	(30°-60°)	8346.5	26.1	B4/8500		
BH	(60°-80°)	5646.9	17.7	B5		G5
BVH	(80°-90°)	203.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8	3319.8
2.5°	3296.2	3297.3	3302.6	3309.1	3314.4	3328.3	3331.5	3336.9	3339.0	3344.4	3344.4
5°	3267.3	3269.4	3282.3	3299.4	3318.7	3352.9	3377.6	3405.4	3419.3	3434.3	3433.2
7.5°	3264.1	3269.4	3287.6	3315.5	3347.6	3404.3	3455.7	3511.4	3548.9	3583.1	3581.0
10°	3297.3	3305.8	3331.5	3373.3	3421.5	3492.1	3568.1	3643.1	3708.4	3760.8	3763.0
12.5°	3347.6	3358.3	3399.0	3462.1	3534.9	3625.9	3715.9	3800.4	3890.4	3968.5	3974.9
15°	3414.0	3427.9	3488.9	3583.1	3694.5	3802.6	3898.9	3985.6	4089.5	4197.6	4208.3
17.5°	3512.5	3531.7	3612.0	3739.4	3886.1	4004.9	4105.5	4170.8	4257.6	4368.9	4389.2
20°	3662.3	3687.0	3788.7	3940.7	4119.5	4243.6	4320.7	4334.6	4377.5	4477.0	4500.6
22.5°	3857.2	3878.6	3992.1	4173.0	4373.2	4508.1	4548.7	4493.1	4488.8	4569.1	4591.6
25°	4074.5	4093.8	4225.4	4428.8	4644.0	4792.8	4791.8	4683.6	4608.7	4670.8	4694.3
27.5°	4318.6	4348.6	4474.9	4689.0	4919.2	5065.8	5057.3	4890.3	4747.9	4763.9	4784.3
30°	4599.1	4632.2	4755.4	4972.7	5202.8	5346.3	5335.6	5115.1	4901.0	4858.1	4873.1
32.5°	4947.0	4986.6	5103.3	5317.4	5520.8	5650.3	5619.3	5359.1	5085.1	4992.0	5005.9
35°	5365.6	5389.1	5512.2	5723.1	5888.0	5976.9	5911.6	5641.8	5318.5	5206.1	5206.1
37.5°	5789.5	5807.7	5945.8	6150.3	6309.8	6356.9	6229.5	5951.2	5623.6	5464.1	5467.3
40°	6196.3	6245.6	6400.8	6610.6	6768.0	6780.8	6611.7	6304.4	5962.9	5798.1	5817.3
42.5°	6621.3	6669.5	6854.7	7092.4	7231.5	7252.9	7054.9	6700.5	6346.2	6212.4	6233.8
45°	7000.3	7038.8	7252.9	7529.1	7702.6	7758.2	7523.8	7154.5	6760.5	6629.9	6635.2
47.5°	7264.7	7315.0	7550.6	7876.0	8128.6	8214.3	7984.1	7596.6	7168.4	7009.9	7023.8
50°	7504.5	7531.3	7770.0	8125.4	8446.6	8623.2	8426.3	8033.4	7580.5	7412.5	7427.4
52.5°	7638.3	7672.6	7903.8	8274.2	8654.3	8939.1	8819.2	8426.3	7978.8	7815.0	7833.2
55°	7545.2	7570.9	7848.2	8307.4	8782.8	9133.9	9152.1	8810.6	8369.5	8226.1	8277.5
57.5°	7121.3	7153.4	7491.7	8093.3	8798.8	9265.6	9402.6	9167.1	8734.6	8617.9	8647.9
60°	6458.6	6478.9	6839.7	7516.3	8486.2	9320.2	9562.1	9458.3	9092.1	8975.5	9016.1
62.5°	5277.8	5307.8	5739.2	6645.9	7825.7	9158.5	9716.3	9699.1	9425.1	9318.0	9354.4
65°	3607.7	3660.2	4137.7	5284.2	6807.6	8663.9	9856.5	9979.6	9719.5	9584.6	9632.8
67.5°	2178.6	2217.1	2562.9	3488.9	5209.3	7666.2	9712.0	10298.6	9927.2	9709.8	9749.5
68°	1947.3	1982.6	2271.7	3148.5	4818.5	7384.6	9580.3	10335.0	9949.6	9707.7	9743.0
70°	1176.5	1200.1	1393.8	1946.3	3212.7	5858.0	8682.1	10305.1	10093.1	9737.7	9758.0
72.5°	766.5	774.0	806.1	998.8	1641.1	3275.9	6516.4	9602.8	10308.3	9912.2	9909.0
75°	637.0	632.7	635.9	658.4	809.3	1436.7	3807.9	7585.9	9826.5	9637.0	9569.6
77.5°	538.5	535.3	534.2	535.3	541.7	693.7	1652.9	4725.4	7519.5	8524.8	8584.7
80°	435.7	431.4	445.3	438.9	419.7	431.4	692.6	1965.5	3544.6	3813.3	3573.5
82.5°	316.9	300.8	360.8	343.6	327.6	304.0	382.2	634.8	845.7	580.2	407.9
85°	244.1	227.0	274.1	263.4	224.8	155.2	227.0	310.5	342.6	195.9	154.2
87.5°	99.6	104.9	198.1	156.3	131.7	74.9	93.1	124.2	167.0	83.5	64.2
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)