

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: P317031

Luminaire Tested: **GAN-SA7A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317031
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-SA7A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 28178 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

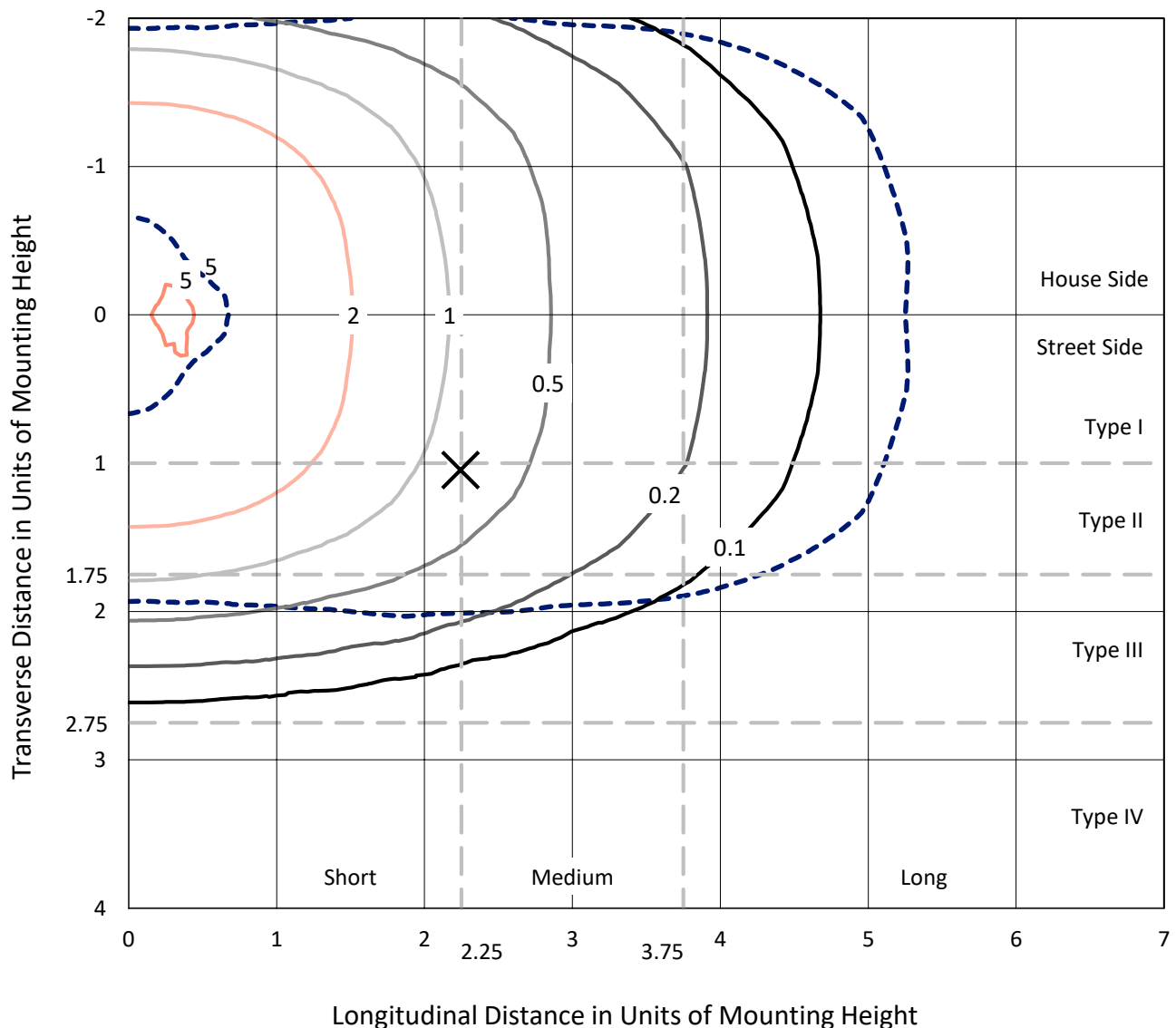
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

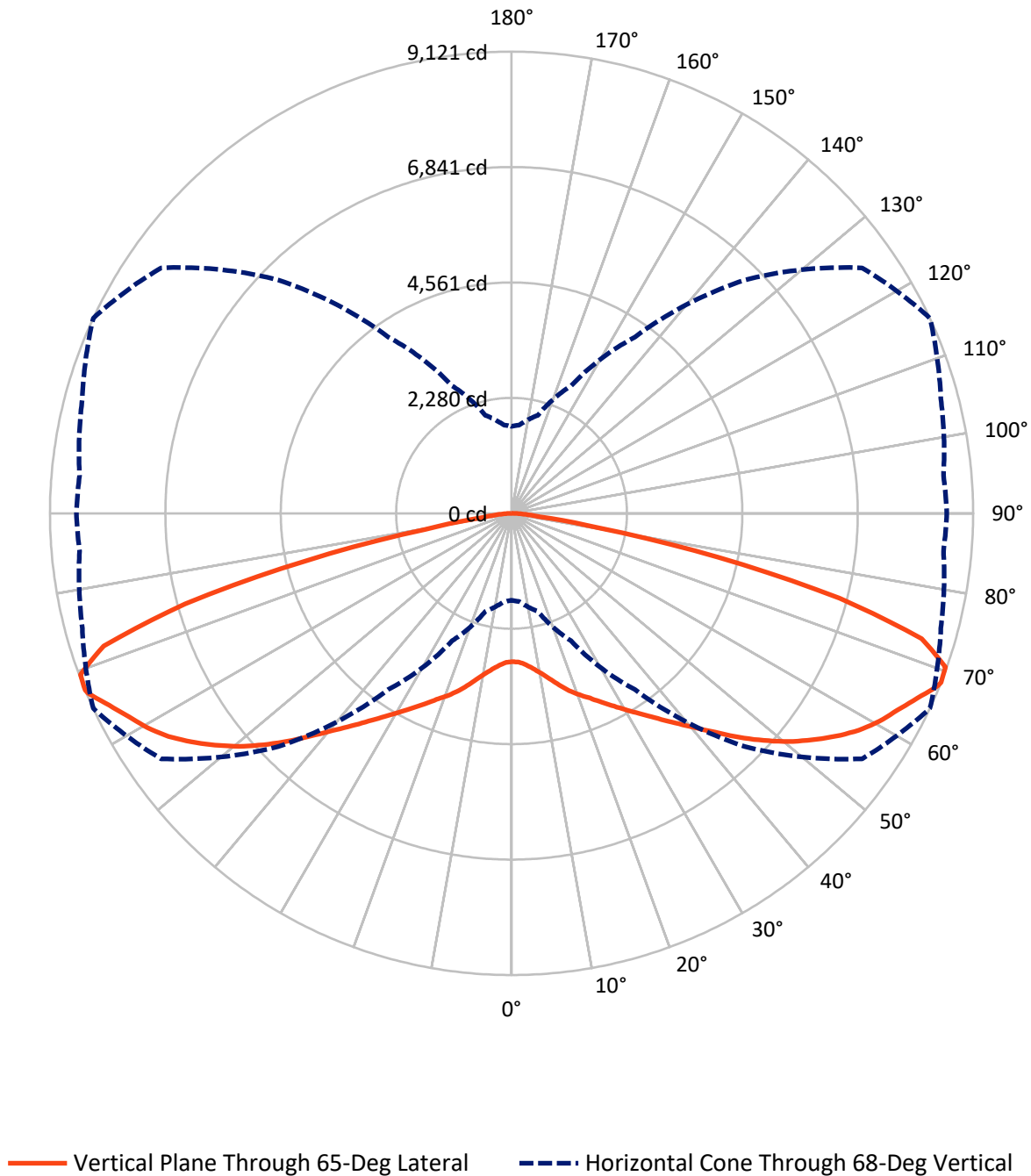
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	14089.0	0.0	14089.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14089.0	0.0	14089.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28178.0	0.0	28178.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	1.0
10°-20°	960.5	3.4
20°-30°	1872.7	6.6
30°-40°	3146.1	11.2
40°-50°	4957.1	17.6
50°-60°	6629.2	23.5
60°-70°	6444.4	22.9
70°-80°	3522.9	12.5
80°-90°	358.3	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°	28178.0	100.0
0°-180°	28178.0	100.0

Coefficient of Utilization



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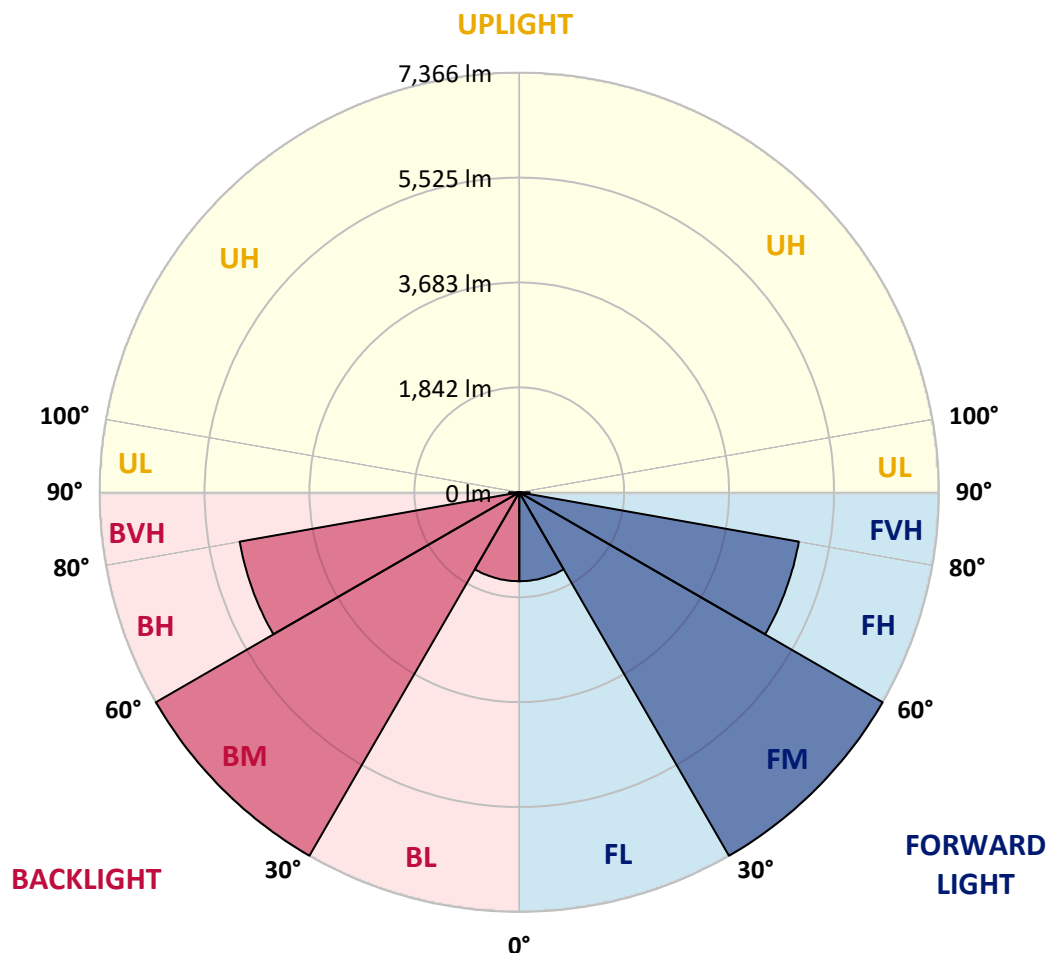
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1560.0	5.5			
FM	(30°-60°)	7366.2	26.1			
FH	(60°-80°)	4983.6	17.7			G2/5000
FVH	(80°-90°)	179.1	0.6			G2/225
BL	(0°-30°)	1560.0	5.5	B3/2500		
BM	(30°-60°)	7366.2	26.1	B4/8500		
BH	(60°-80°)	4983.6	17.7	B4/5000		G4/5000
BVH	(80°-90°)	179.1	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8
2.5°	2909.1	2910.0	2914.7	2920.4	2925.1	2937.4	2940.2	2945.0	2946.9	2951.6	2951.6
5°	2883.6	2885.4	2896.8	2911.9	2928.9	2959.1	2980.9	3005.4	3017.7	3030.9	3030.0
7.5°	2880.7	2885.4	2901.5	2926.1	2954.4	3004.5	3049.8	3099.0	3132.0	3162.3	3160.4
10°	2910.0	2917.6	2940.2	2977.1	3019.6	3082.0	3149.0	3215.2	3272.8	3319.1	3321.0
12.5°	2954.4	2963.9	2999.8	3055.5	3119.8	3200.1	3279.4	3354.1	3433.4	3502.4	3508.1
15°	3013.0	3025.3	3079.1	3162.3	3260.5	3356.0	3441.0	3517.5	3609.2	3704.6	3714.0
17.5°	3099.9	3116.9	3187.8	3300.2	3429.7	3534.5	3623.3	3681.0	3757.5	3855.8	3873.7
20°	3232.2	3253.9	3343.7	3477.8	3635.6	3745.2	3813.2	3825.5	3863.3	3951.2	3972.0
22.5°	3404.1	3423.0	3523.2	3682.9	3859.5	3978.6	4014.5	3965.4	3961.6	4032.4	4052.3
25°	3595.9	3612.9	3729.2	3908.7	4098.6	4229.9	4229.0	4133.5	4067.4	4122.2	4143.0
27.5°	3811.4	3837.8	3949.3	4138.3	4341.4	4470.8	4463.3	4315.9	4190.2	4204.4	4222.3
30°	4058.9	4088.2	4196.8	4388.6	4591.8	4718.4	4708.9	4514.3	4325.3	4287.5	4300.8
32.5°	4366.0	4400.9	4503.9	4692.9	4872.4	4986.7	4959.3	4729.7	4487.8	4405.6	4417.9
35°	4735.4	4756.2	4864.8	5050.9	5196.4	5274.9	5217.2	4979.1	4693.8	4594.6	4594.6
37.5°	5109.5	5125.6	5247.5	5427.9	5568.7	5610.3	5497.8	5252.2	4963.1	4822.3	4825.1
40°	5468.5	5512.0	5649.0	5834.2	5973.1	5984.4	5835.1	5564.0	5262.6	5117.1	5134.1
42.5°	5843.6	5886.2	6049.6	6259.4	6382.2	6401.1	6226.3	5913.6	5600.8	5482.7	5501.6
45°	6178.1	6212.1	6401.1	6644.8	6797.9	6847.0	6640.1	6314.2	5966.5	5851.2	5855.9
47.5°	6411.5	6455.9	6663.7	6951.0	7173.9	7249.5	7046.4	6704.4	6326.4	6186.6	6198.9
50°	6623.1	6646.7	6857.4	7171.1	7454.5	7610.4	7436.6	7089.8	6690.2	6541.8	6555.1
52.5°	6741.2	6771.4	6975.5	7302.4	7637.8	7889.1	7783.3	7436.6	7041.7	6897.1	6913.2
55°	6659.0	6681.7	6926.4	7331.7	7751.2	8061.1	8077.2	7775.8	7386.5	7259.9	7305.3
57.5°	6284.9	6313.2	6611.8	7142.7	7765.4	8177.3	8298.2	8090.4	7708.7	7605.7	7632.2
60°	5700.0	5718.0	6036.4	6633.5	7489.5	8225.5	8439.0	8347.4	8024.3	7921.3	7957.2
62.5°	4657.9	4684.4	5065.1	5865.4	6906.5	8082.8	8575.1	8560.0	8318.1	8223.6	8255.7
65°	3184.0	3230.3	3651.7	4663.6	6008.0	7646.3	8698.8	8807.5	8577.9	8458.9	8501.4
67.5°	1922.7	1956.7	2261.9	3079.1	4597.4	6765.8	8571.3	9089.1	8761.2	8569.4	8604.4
68°	1718.6	1749.8	2004.9	2778.7	4252.6	6517.3	8455.1	9121.2	8781.0	8567.5	8598.7
70°	1038.3	1059.1	1230.1	1717.7	2835.4	5170.0	7662.4	9094.7	8907.6	8594.0	8611.9
72.5°	676.5	683.1	711.4	881.5	1448.4	2891.1	5751.0	8474.9	9097.6	8748.0	8745.1
75°	562.2	558.4	561.2	581.1	714.3	1267.9	3360.7	6694.9	8672.4	8505.2	8445.6
77.5°	475.2	472.4	471.5	472.4	478.1	612.2	1458.8	4170.4	6636.3	7523.5	7576.4
80°	384.5	380.8	393.0	387.4	370.4	380.8	611.3	1734.7	3128.3	3365.4	3153.8
82.5°	279.7	265.5	318.4	303.3	289.1	268.3	337.3	560.3	746.4	512.1	360.0
85°	215.4	200.3	241.9	232.4	198.4	137.0	200.3	274.0	302.3	172.9	136.1
87.5°	87.9	92.6	174.8	137.9	116.2	66.1	82.2	109.6	147.4	73.7	56.7
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)