

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: P316711

Luminaire Tested: **GAN-SA7A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28435 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

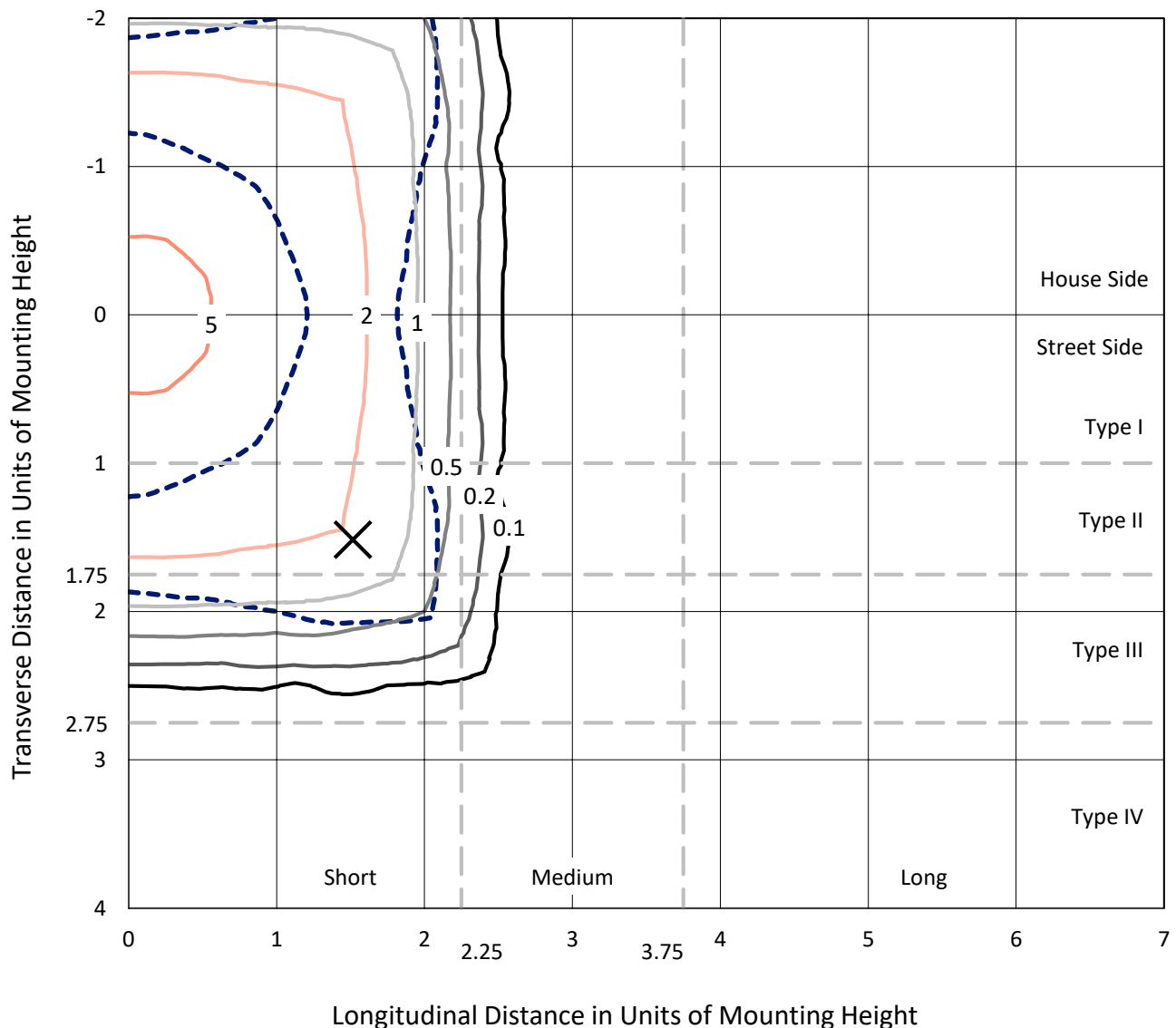
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

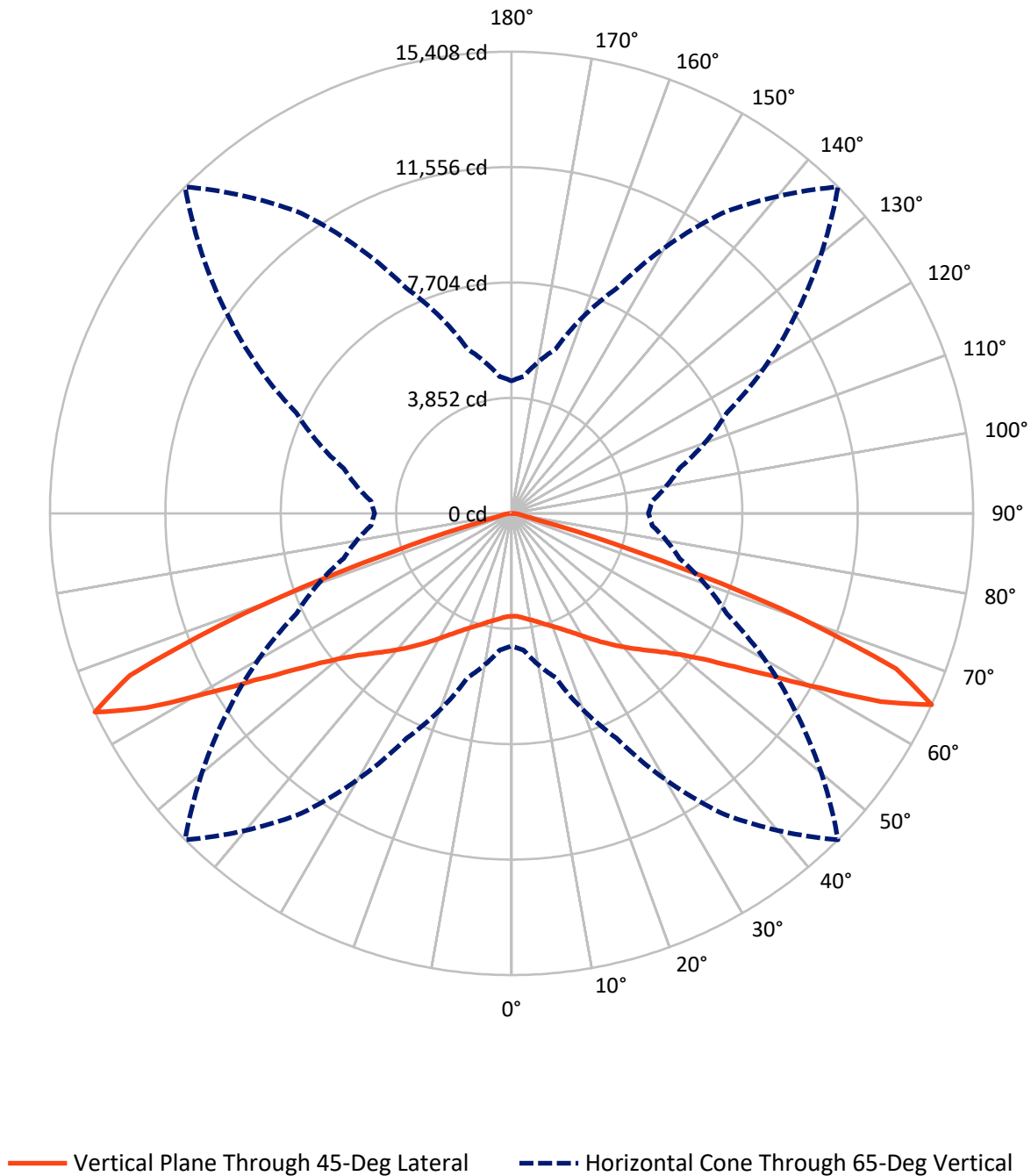
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14217.5	0.0	14217.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14217.5	0.0	14217.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28435.0	0.0	28435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	1.2
10°-20°	1082.9	3.8
20°-30°	2031.8	7.1
30°-40°	3360.1	11.8
40°-50°	5204.4	18.3
50°-60°	7982.1	28.1
60°-70°	7448.2	26.2
70°-80°	866.9	3.0
80°-90°	121.8	0.4
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°	28435.0	100.0
0°-180°	28435.0	100.0

Coefficient of Utilization



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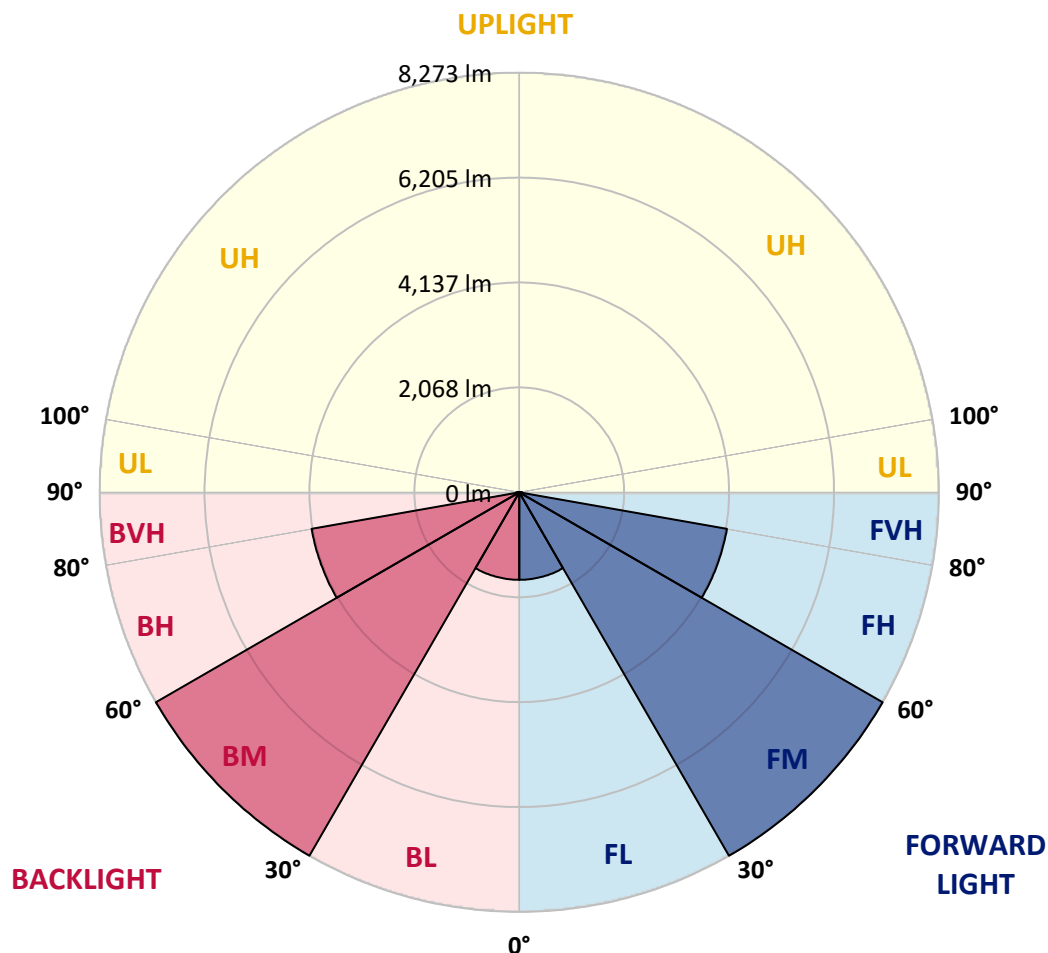
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1725.8	6.1			
FM	(30°-60°)	8273.3	29.1			
FH	(60°-80°)	4157.5	14.6			G2/5000
FVH	(80°-90°)	60.9	0.2			G1/100
BL	(0°-30°)	1725.8	6.1	B3/2500		
BM	(30°-60°)	8273.3	29.1	B4/8500		
BH	(60°-80°)	4157.5	14.6	B4/5000		G2/5000
BVH	(80°-90°)	60.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9	3433.9
2.5°	3445.2	3443.3	3445.2	3446.2	3440.5	3443.3	3442.4	3447.1	3449.0	3447.1	3447.1
5°	3484.9	3482.0	3485.8	3490.5	3483.0	3484.9	3482.0	3487.7	3489.6	3485.8	3488.6
7.5°	3539.6	3540.5	3544.3	3552.8	3548.1	3551.9	3546.2	3547.2	3546.2	3540.5	3541.5
10°	3599.1	3600.0	3606.6	3617.9	3619.8	3619.8	3616.1	3613.2	3609.5	3605.7	3606.6
12.5°	3670.8	3675.5	3680.2	3694.4	3694.4	3702.0	3700.1	3692.5	3685.9	3680.2	3680.2
15°	3768.0	3767.1	3772.7	3786.9	3793.5	3805.8	3805.8	3795.4	3786.9	3781.2	3779.4
17.5°	3870.0	3872.8	3876.6	3893.6	3903.9	3918.1	3920.0	3911.5	3905.8	3898.3	3893.6
20°	3988.9	3993.6	4008.7	4015.3	4024.8	4038.0	4042.7	4040.8	4035.1	4031.4	4032.3
22.5°	4127.6	4139.9	4149.4	4158.8	4170.1	4179.6	4184.3	4190.9	4185.2	4182.4	4180.5
25°	4295.7	4304.2	4323.0	4340.0	4347.6	4350.4	4356.1	4365.5	4364.6	4358.0	4358.0
27.5°	4486.3	4502.4	4526.0	4550.5	4550.5	4541.1	4560.0	4576.0	4570.3	4561.8	4550.5
30°	4717.6	4732.7	4760.1	4794.0	4777.0	4770.4	4795.9	4825.2	4816.7	4802.5	4800.6
32.5°	4966.8	4980.9	5016.8	5053.6	5031.9	5022.5	5049.8	5092.3	5077.2	5048.9	5031.9
35°	5236.7	5250.9	5301.9	5346.2	5309.4	5293.4	5316.0	5362.3	5335.8	5283.0	5269.8
37.5°	5530.3	5537.8	5603.9	5649.2	5623.7	5581.2	5609.6	5643.5	5620.9	5556.7	5531.2
40°	5835.2	5862.5	5939.0	5991.8	5947.5	5880.5	5927.7	5974.8	5940.9	5858.8	5815.3
42.5°	6191.0	6211.8	6313.7	6360.9	6289.2	6194.8	6259.0	6323.1	6289.2	6209.9	6172.1
45°	6561.0	6593.1	6714.9	6762.1	6658.2	6538.4	6616.7	6729.0	6726.2	6612.0	6572.3
47.5°	6964.0	6996.1	7141.5	7203.8	7091.5	6931.0	7041.4	7200.0	7188.7	7063.2	7031.1
50°	7429.4	7463.4	7644.6	7722.9	7618.2	7431.3	7597.4	7737.1	7716.3	7561.5	7564.4
52.5°	8013.7	8011.8	8237.4	8373.3	8265.7	8100.5	8253.4	8389.3	8303.4	8089.2	8082.6
55°	8525.3	8556.4	8835.8	9093.5	9086.9	9023.6	9085.0	9090.6	8845.2	8560.2	8525.3
57.5°	8861.3	8920.7	9314.3	9780.6	10129.9	10213.9	10094.9	9734.4	9159.5	8703.6	8648.0
60°	8654.6	8745.2	9363.4	10313.9	11342.8	11836.4	11165.3	10046.8	8915.1	8279.8	8204.3
62.5°	7259.5	7412.4	8317.6	10056.2	12386.7	13829.9	11941.2	9545.6	7942.9	7067.9	6938.6
65°	4421.2	4582.6	5673.7	8277.0	12217.8	15408.1	11587.2	7923.0	5797.4	4709.1	4569.4
67.5°	1473.4	1520.6	2163.4	4575.1	9602.2	13844.1	9618.3	4743.1	2523.0	1672.6	1623.5
70°	576.7	581.4	686.2	1326.2	4534.5	9508.8	5003.6	1349.8	717.4	567.3	579.6
72.5°	423.8	425.7	455.0	554.1	1181.8	4189.0	1224.2	556.9	442.7	397.4	397.4
75°	340.7	340.7	361.5	404.0	529.5	960.9	537.1	399.3	346.4	317.1	313.4
77.5°	269.0	274.7	290.7	318.1	358.7	462.5	371.9	316.2	279.4	252.0	246.4
80°	200.1	205.8	232.2	245.4	257.7	320.9	274.7	247.3	220.9	188.8	183.1
82.5°	131.2	136.9	169.9	177.5	174.6	209.5	185.0	182.2	162.3	121.8	116.1
85°	85.9	87.8	113.3	118.0	108.5	95.3	118.0	124.6	113.3	79.3	76.5
87.5°	40.6	40.6	57.6	53.8	49.1	39.6	53.8	63.2	64.2	38.7	37.8
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)