

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: P316713

Luminaire Tested: **GAN-SA9A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316713
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-SA9A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 35939 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

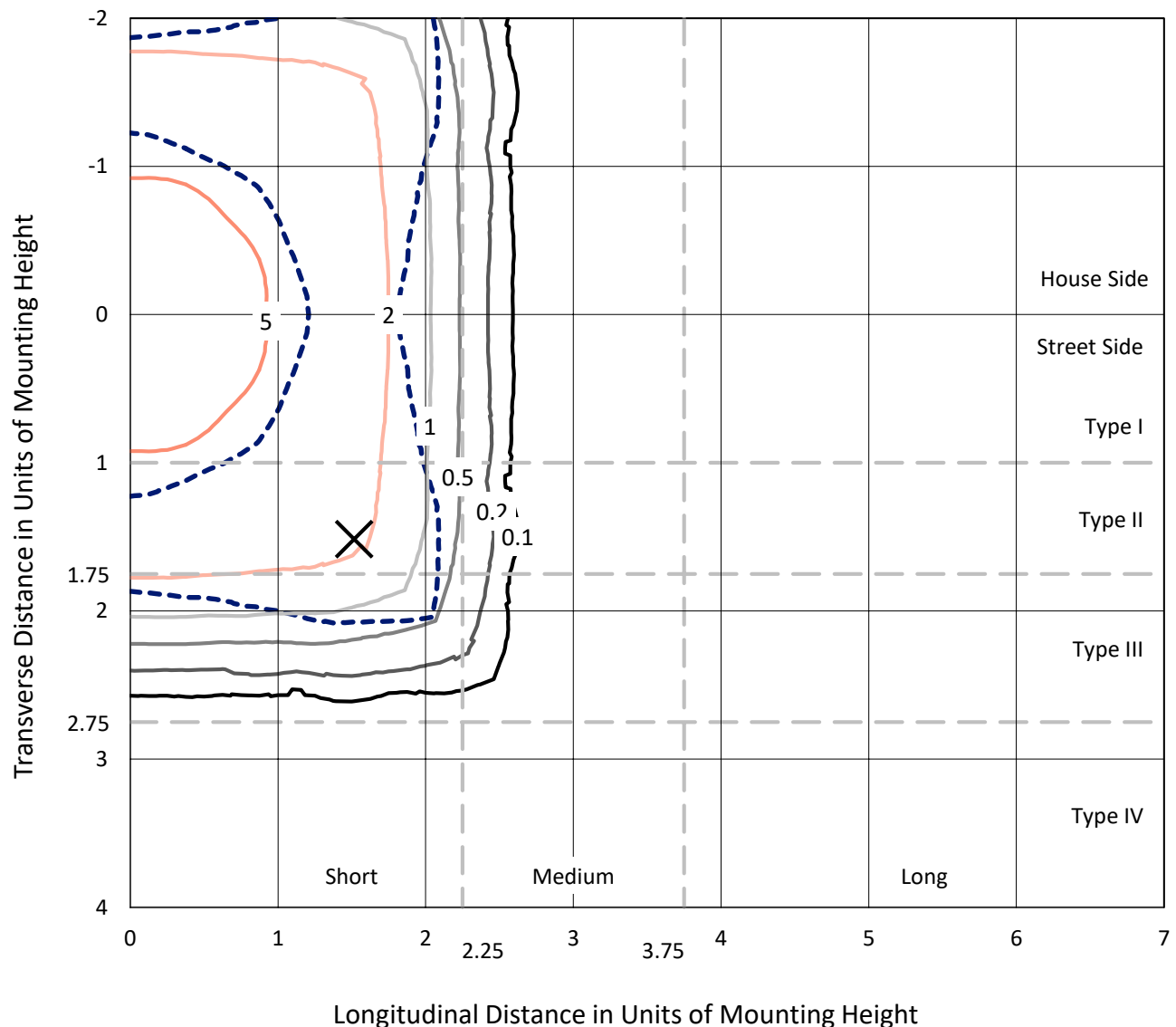
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

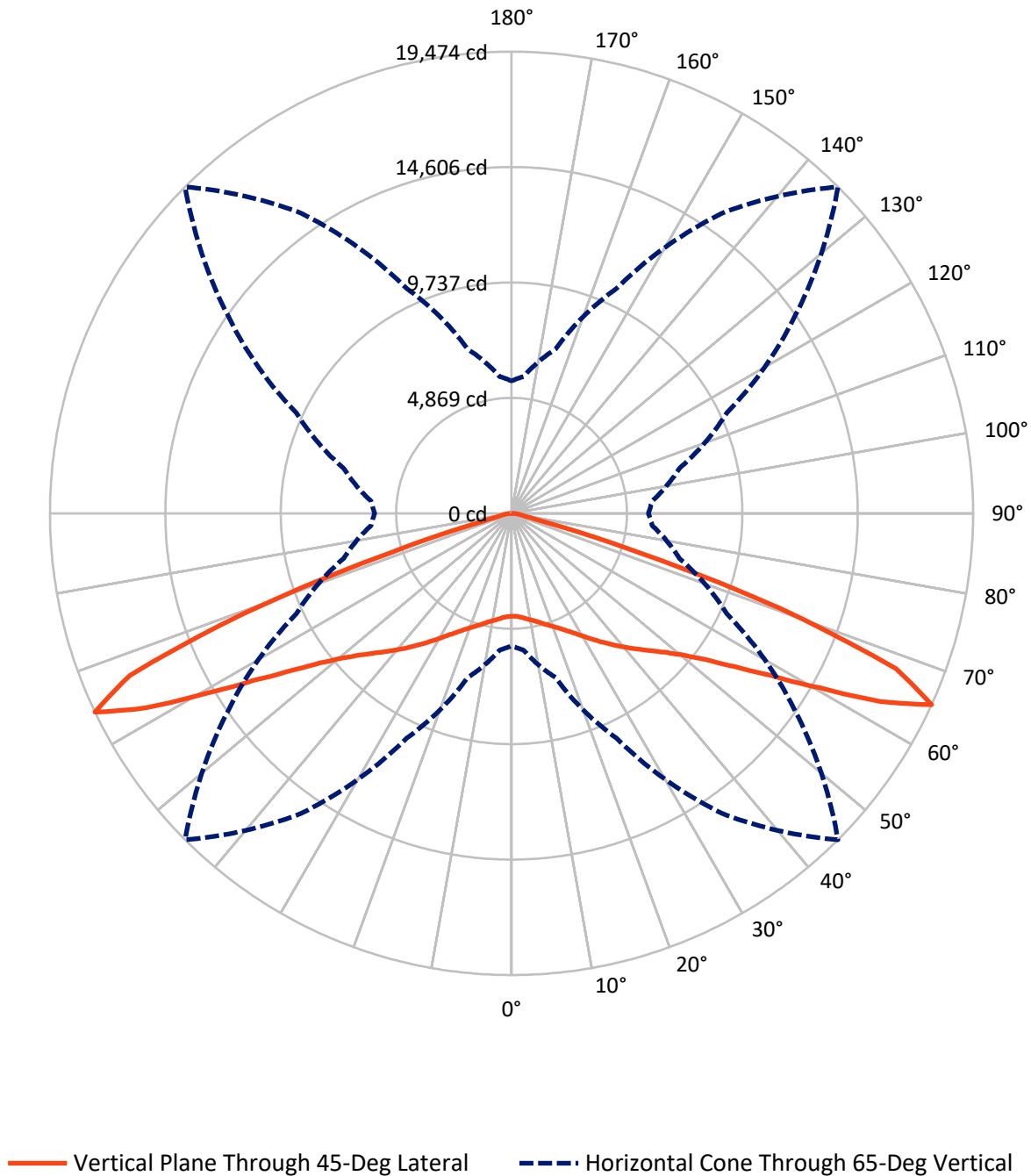
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	17969.5	0.0	17969.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17969.5	0.0	17969.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35939.0	0.0	35939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.8	1.2
10°-20°	1368.7	3.8
20°-30°	2567.9	7.1
30°-40°	4246.9	11.8
40°-50°	6577.8	18.3
50°-60°	10088.5	28.1
60°-70°	9413.7	26.2
70°-80°	1095.6	3.0
80°-90°	153.9	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°	35939.0	100.0
0°-180°	35939.0	100.0

Coefficient of Utilization



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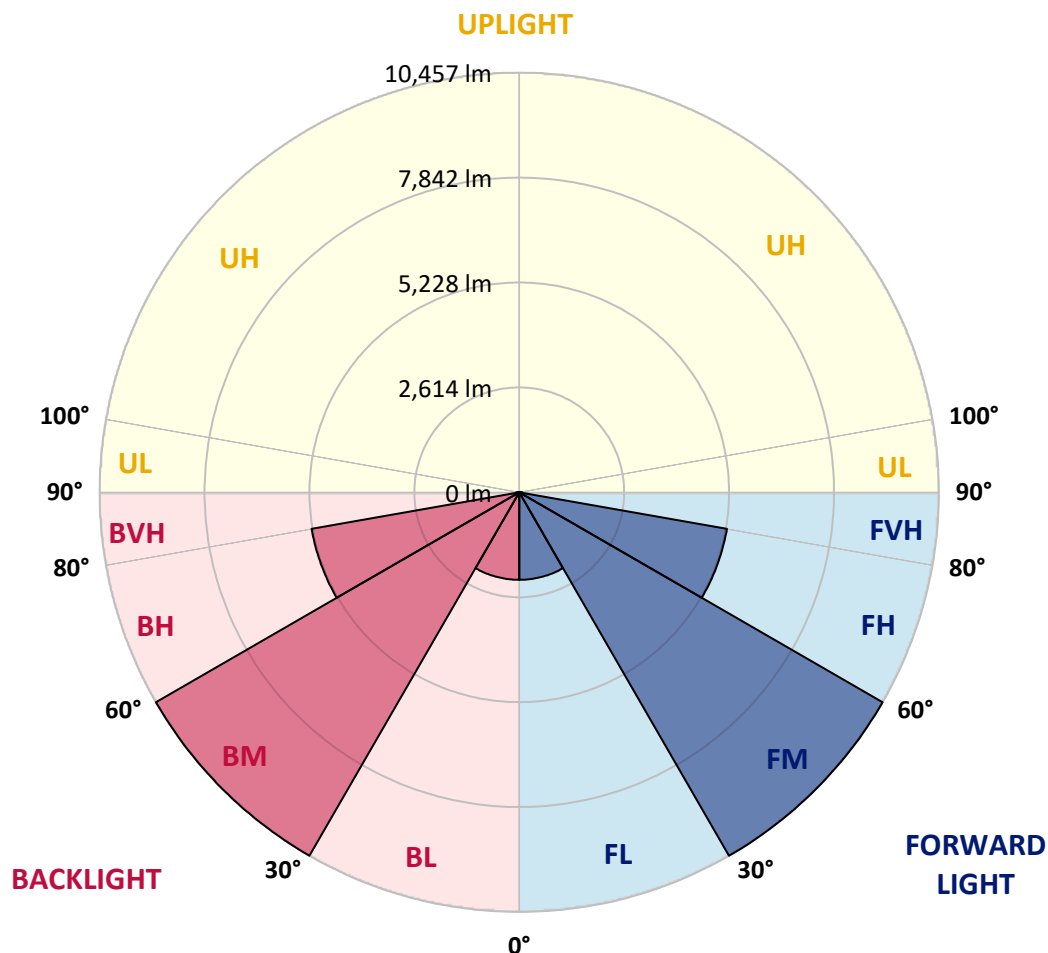
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2181.2	6.1			
FM	(30°-60°)	10456.6	29.1			
FH	(60°-80°)	5254.7	14.6			G3/7500
FVH	(80°-90°)	77.0	0.2			G1/100
BL	(0°-30°)	2181.2	6.1	B3/2500		
BM	(30°-60°)	10456.6	29.1	B5		
BH	(60°-80°)	5254.7	14.6	B5		G3/7500
BVH	(80°-90°)	77.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1	4340.1
2.5°	4354.4	4352.0	4354.4	4355.6	4348.4	4352.0	4350.8	4356.8	4359.2	4356.8	4356.8
5°	4404.5	4400.9	4405.7	4411.7	4402.1	4404.5	4400.9	4408.1	4410.5	4405.7	4409.3
7.5°	4473.7	4474.9	4479.7	4490.4	4484.4	4489.2	4482.1	4483.2	4482.1	4474.9	4476.1
10°	4548.9	4550.1	4558.4	4572.7	4575.1	4575.1	4570.3	4566.8	4562.0	4557.2	4558.4
12.5°	4639.5	4645.5	4651.5	4669.4	4669.4	4678.9	4676.5	4667.0	4658.6	4651.5	4651.5
15°	4762.4	4761.2	4768.4	4786.3	4794.6	4810.1	4810.1	4797.0	4786.3	4779.1	4776.7
17.5°	4891.2	4894.8	4899.6	4921.1	4934.2	4952.1	4954.5	4943.7	4936.6	4927.0	4921.1
20°	5041.6	5047.5	5066.6	5075.0	5086.9	5103.6	5109.6	5107.2	5100.0	5095.3	5096.4
22.5°	5216.9	5232.4	5244.4	5256.3	5270.6	5282.5	5288.5	5296.9	5289.7	5286.1	5283.7
25°	5429.3	5440.0	5463.9	5485.4	5494.9	5498.5	5505.6	5517.6	5516.4	5508.0	5508.0
27.5°	5670.3	5690.6	5720.4	5751.4	5751.4	5739.5	5763.3	5783.6	5776.4	5765.7	5751.4
30°	5962.6	5981.6	6016.2	6059.2	6037.7	6029.4	6061.6	6098.6	6087.8	6069.9	6067.5
32.5°	6277.5	6295.4	6340.7	6387.3	6359.8	6347.9	6382.5	6436.2	6417.1	6381.3	6359.8
35°	6618.7	6636.6	6701.0	6757.1	6710.6	6690.3	6718.9	6777.4	6744.0	6677.2	6660.5
37.5°	6989.7	6999.3	7082.8	7140.0	7107.8	7054.1	7089.9	7132.9	7104.2	7023.1	6990.9
40°	7375.1	7409.6	7506.3	7573.1	7517.0	7432.3	7492.0	7551.6	7508.7	7404.9	7350.0
42.5°	7824.8	7851.1	7979.9	8039.5	7948.9	7829.6	7910.7	7991.8	7948.9	7848.7	7800.9
45°	8292.5	8333.0	8486.9	8546.6	8415.3	8263.8	8362.8	8504.8	8501.2	8356.9	8306.8
47.5°	8801.9	8842.4	9026.1	9104.9	8962.9	8760.1	8899.7	9100.1	9085.8	8927.1	8886.6
50°	9390.0	9433.0	9662.0	9761.0	9628.6	9392.4	9602.4	9778.9	9752.7	9557.0	9560.6
52.5°	10128.5	10126.1	10411.2	10583.0	10447.0	10238.2	10431.5	10603.3	10494.7	10223.9	10215.6
55°	10775.1	10814.4	11167.6	11493.2	11484.9	11405.0	11482.5	11489.7	11179.5	10819.2	10775.1
57.5°	11199.8	11274.9	11772.4	12361.7	12803.1	12909.3	12759.0	12303.3	11576.8	11000.5	10930.2
60°	10938.5	11053.0	11834.4	13035.8	14336.1	14960.1	14111.9	12698.2	11267.8	10464.9	10369.4
62.5°	9175.3	9368.5	10512.6	12710.1	15655.6	17479.7	15092.5	12064.7	10039.0	8933.1	8769.7
65°	5588.0	5792.0	7171.0	10461.3	15442.0	19474.3	14645.1	10013.9	7327.3	5951.8	5775.3
67.5°	1862.3	1921.9	2734.3	5782.4	12136.3	17497.6	12156.5	5994.8	3188.9	2114.0	2051.9
70°	728.9	734.9	867.3	1676.1	5731.1	12018.2	6324.0	1706.0	906.7	717.0	732.5
72.5°	535.7	538.0	575.0	700.3	1493.6	5294.5	1547.3	703.9	559.5	502.2	502.2
75°	430.7	430.7	456.9	510.6	669.3	1214.5	678.8	504.6	437.8	400.8	396.1
77.5°	340.0	347.2	367.4	402.0	453.3	584.6	470.0	399.7	353.1	318.5	311.4
80°	252.9	260.1	293.5	310.2	325.7	405.6	347.2	312.6	279.2	238.6	231.4
82.5°	165.8	173.0	214.7	224.3	220.7	264.8	233.8	230.2	205.2	153.9	146.7
85°	108.6	110.9	143.2	149.1	137.2	120.5	149.1	157.5	143.2	100.2	96.6
87.5°	51.3	51.3	72.8	68.0	62.0	50.1	68.0	79.9	81.1	48.9	47.7
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)