

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: P316411

Luminaire Tested: **GAN-SA7C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316411
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-SA7C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43951 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

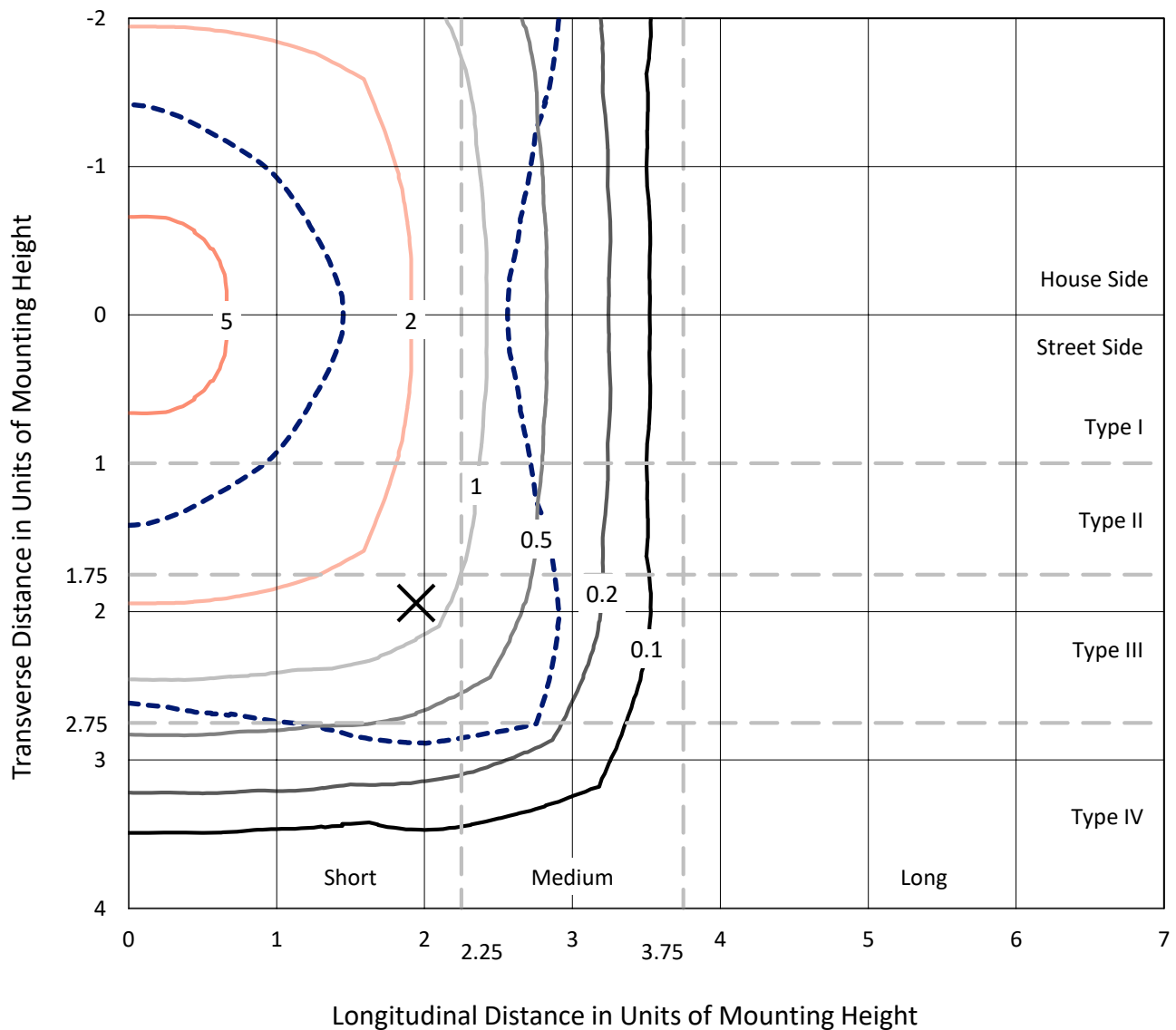
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

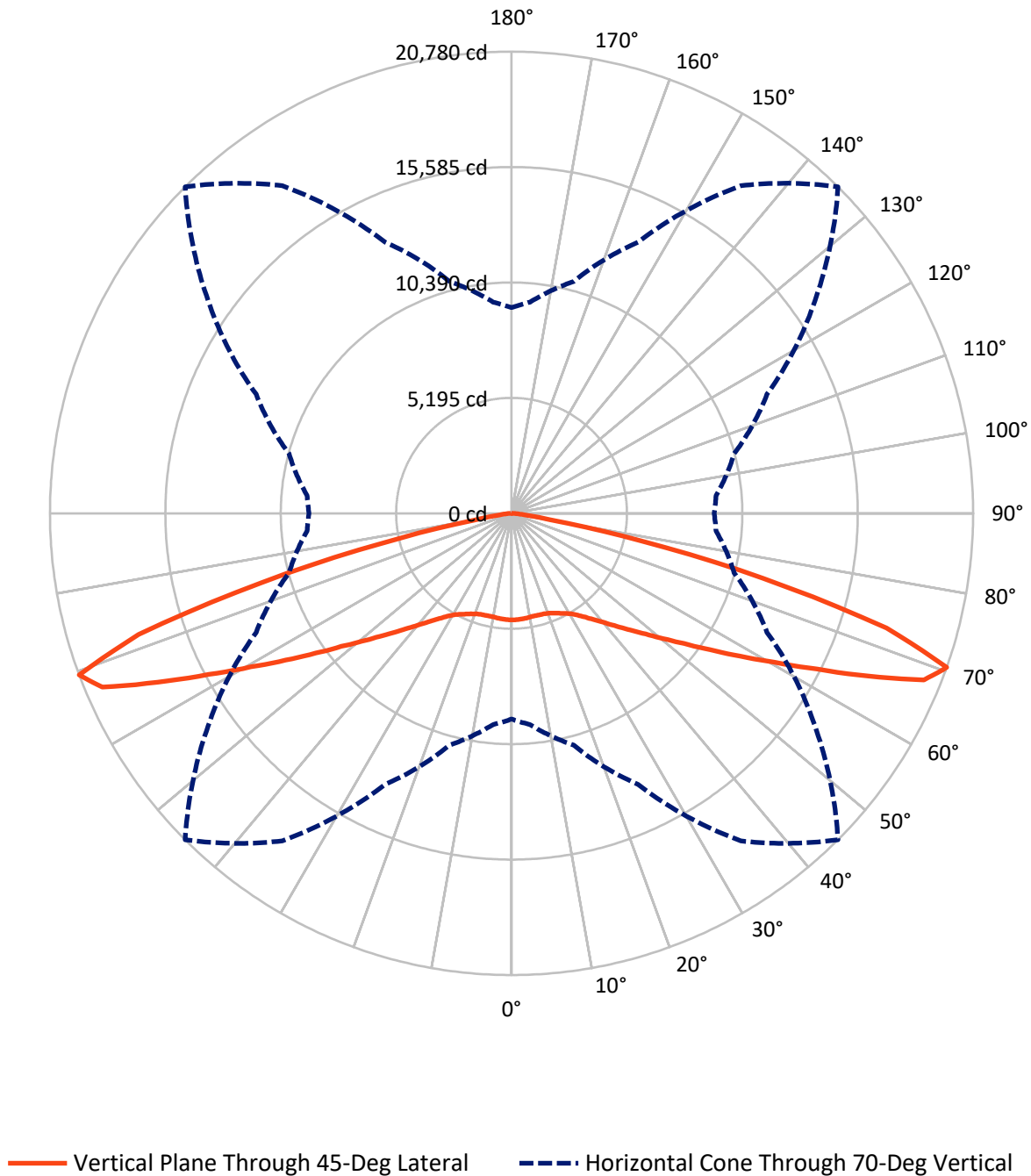
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	21975.5	0.0	21975.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21975.5	0.0	21975.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43951.0	0.0	43951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.6	1.0
10°-20°	1334.7	3.0
20°-30°	2272.0	5.2
30°-40°	3603.4	8.2
40°-50°	5863.8	13.3
50°-60°	9668.4	22.0
60°-70°	14193.5	32.3
70°-80°	6276.3	14.3
80°-90°	284.2	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°	43951.0	100.0
0°-180°	43951.0	100.0

Coefficient of Utilization



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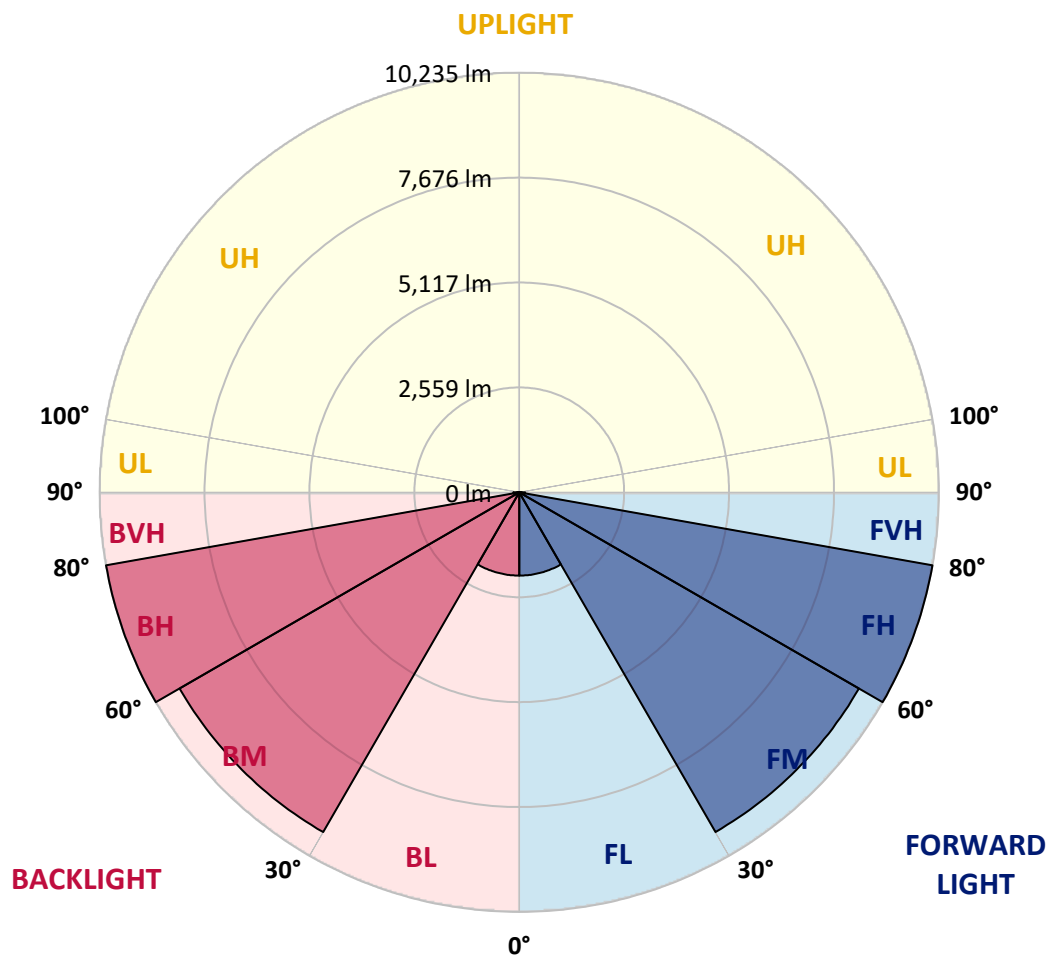
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2030.6	4.6			
FM	(30°-60°)	9567.8	21.8			
FH	(60°-80°)	10234.9	23.3			G4/12000
FVH	(80°-90°)	142.1	0.3			G2/225
BL	(0°-30°)	2030.6	4.6	B3/2500		
BM	(30°-60°)	9567.8	21.8	B5		
BH	(60°-80°)	10234.9	23.3	B5		G4/12000
BVH	(80°-90°)	142.1	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°	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1	4800.1
2.5°	4792.9	4788.5	4798.7	4797.2	4788.5	4790.0	4790.0	4794.3	4794.3	4791.4	4791.4
5°	4775.4	4772.5	4784.1	4784.1	4775.4	4778.3	4781.2	4785.6	4784.1	4781.2	4779.8
7.5°	4753.6	4752.1	4763.8	4763.8	4758.0	4760.9	4758.0	4759.4	4756.5	4753.6	4749.2
10°	4717.2	4720.1	4730.3	4733.2	4733.2	4734.7	4731.8	4724.5	4720.1	4715.8	4711.4
12.5°	4683.8	4682.3	4696.9	4704.1	4715.8	4728.9	4720.1	4699.8	4691.0	4682.3	4679.4
15°	4661.9	4663.4	4677.9	4691.0	4711.4	4739.0	4728.9	4696.9	4679.4	4669.2	4666.3
17.5°	4657.6	4660.5	4679.4	4702.7	4724.5	4755.0	4749.2	4717.2	4688.1	4669.2	4664.9
20°	4667.8	4669.2	4698.3	4731.8	4769.6	4798.7	4785.6	4750.7	4711.4	4682.3	4675.0
22.5°	4686.7	4692.5	4728.9	4781.2	4839.4	4878.7	4862.7	4803.0	4741.9	4705.6	4695.4
25°	4746.3	4747.8	4797.2	4868.5	4938.3	4983.4	4964.5	4880.1	4801.6	4760.9	4747.8
27.5°	4870.0	4874.3	4923.8	5006.7	5066.3	5095.4	5083.8	5015.4	4948.5	4904.9	4909.2
30°	5048.9	5054.7	5110.0	5201.6	5238.0	5245.2	5242.3	5210.3	5149.2	5091.1	5095.4
32.5°	5267.1	5270.0	5344.1	5427.1	5456.2	5462.0	5456.2	5427.1	5354.3	5275.8	5280.1
35°	5547.8	5556.5	5627.8	5707.8	5731.1	5742.7	5732.5	5694.7	5619.1	5542.0	5539.1
37.5°	5894.0	5895.4	5969.6	6052.5	6081.6	6084.5	6072.9	6048.2	5953.6	5883.8	5879.4
40°	6295.4	6301.3	6388.5	6477.3	6488.9	6475.8	6491.8	6477.3	6379.8	6299.8	6312.9
42.5°	6784.2	6797.3	6902.0	6989.3	6955.8	6948.6	6958.7	6963.1	6884.6	6787.1	6778.4
45°	7352.9	7364.6	7495.5	7565.3	7543.5	7495.5	7515.8	7550.8	7441.7	7320.9	7332.6
47.5°	8001.7	8030.8	8170.4	8235.9	8182.0	8116.6	8155.9	8208.2	8080.2	7930.4	7923.1
50°	8723.2	8759.5	8945.7	9037.3	8983.5	8862.8	8928.2	8963.2	8778.4	8585.0	8569.0
52.5°	9492.6	9529.0	9763.2	9952.3	9917.4	9729.7	9821.4	9785.0	9572.6	9312.3	9291.9
55°	10363.9	10378.5	10631.6	10937.0	10971.9	10833.8	10827.9	10768.3	10454.1	10153.0	10138.5
57.5°	11259.9	11270.1	11597.4	11958.1	12122.5	12122.5	11959.6	11833.1	11415.6	11066.5	11030.1
60°	12227.2	12263.6	12625.8	13116.0	13500.0	13613.5	13325.5	12980.7	12526.9	12100.7	12058.5
62.5°	13088.4	13130.5	13684.7	14414.9	15031.7	15444.8	14740.8	14179.3	13353.1	12669.4	12589.4
65°	13197.5	13310.9	14118.2	15440.4	16820.8	17645.6	16295.7	14912.4	13406.9	12457.1	12375.6
67.5°	12052.7	12244.7	13335.6	15393.9	18246.3	20016.6	17289.2	14493.5	12441.1	11390.9	11300.7
70°	9261.3	9540.6	10798.8	13465.1	18000.5	20780.2	16666.6	12688.4	10372.7	9242.4	9115.9
72.5°	5080.9	5195.8	6327.4	9220.6	14430.9	17658.7	13901.5	9382.1	6878.7	5597.2	5384.9
75°	1611.7	1652.4	2228.4	3773.2	8163.1	11696.3	8830.8	4605.2	2535.3	1869.1	1847.3
77.5°	715.7	720.0	805.8	1101.1	2811.7	5926.0	3377.5	1253.9	864.0	754.9	779.7
80°	452.4	452.4	498.9	545.5	765.1	1720.8	913.5	596.4	509.1	472.7	482.9
82.5°	216.7	240.0	324.4	349.1	420.4	578.9	468.4	389.8	340.4	253.1	235.6
85°	142.5	119.3	205.1	231.3	244.4	277.8	272.0	257.5	222.6	126.5	141.1
87.5°	64.0	61.1	106.2	97.5	91.6	69.8	104.7	129.5	125.1	62.5	62.5
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)