

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: P316171

Luminaire Tested: **GAN-SA7C-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52697 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

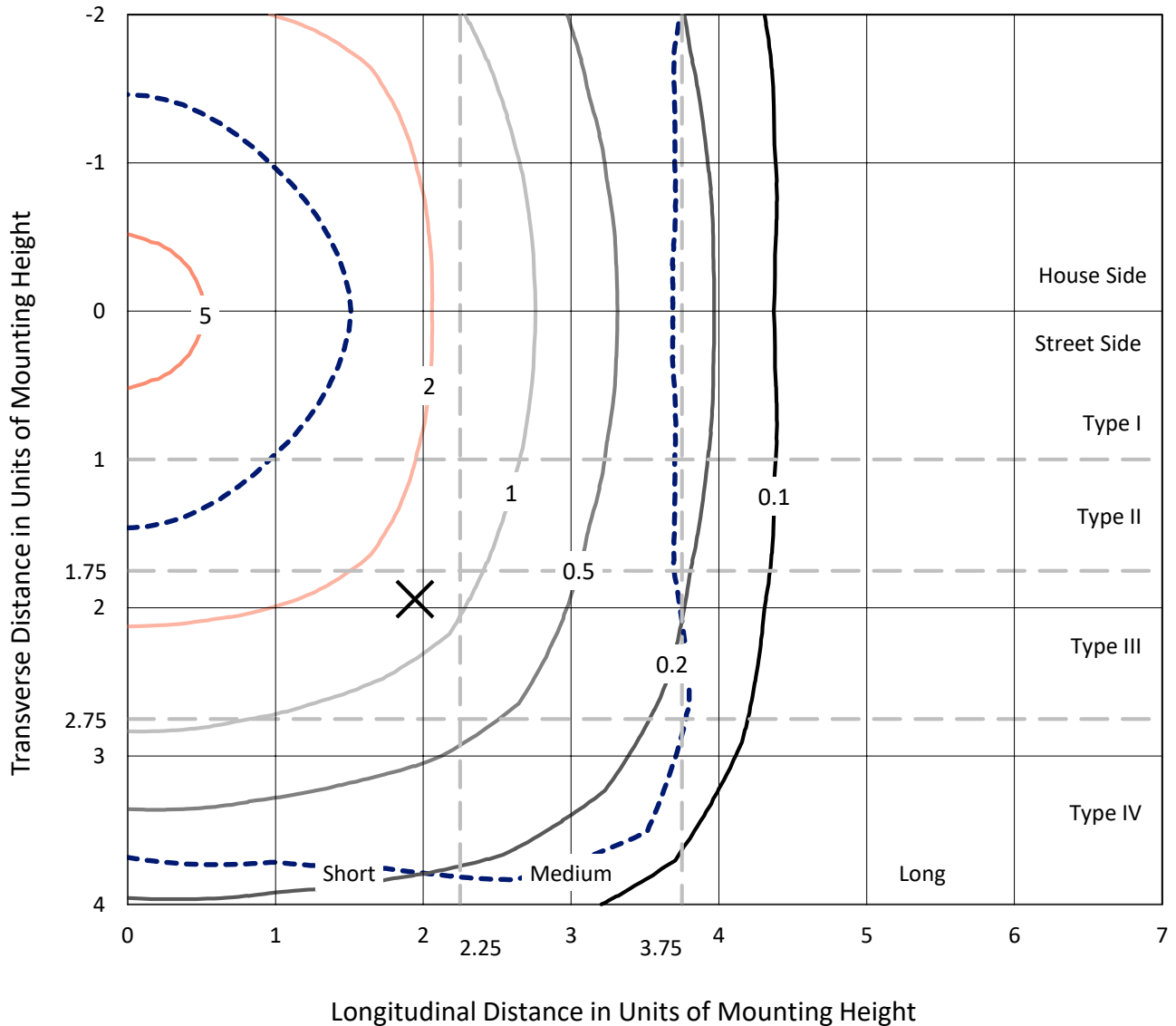
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

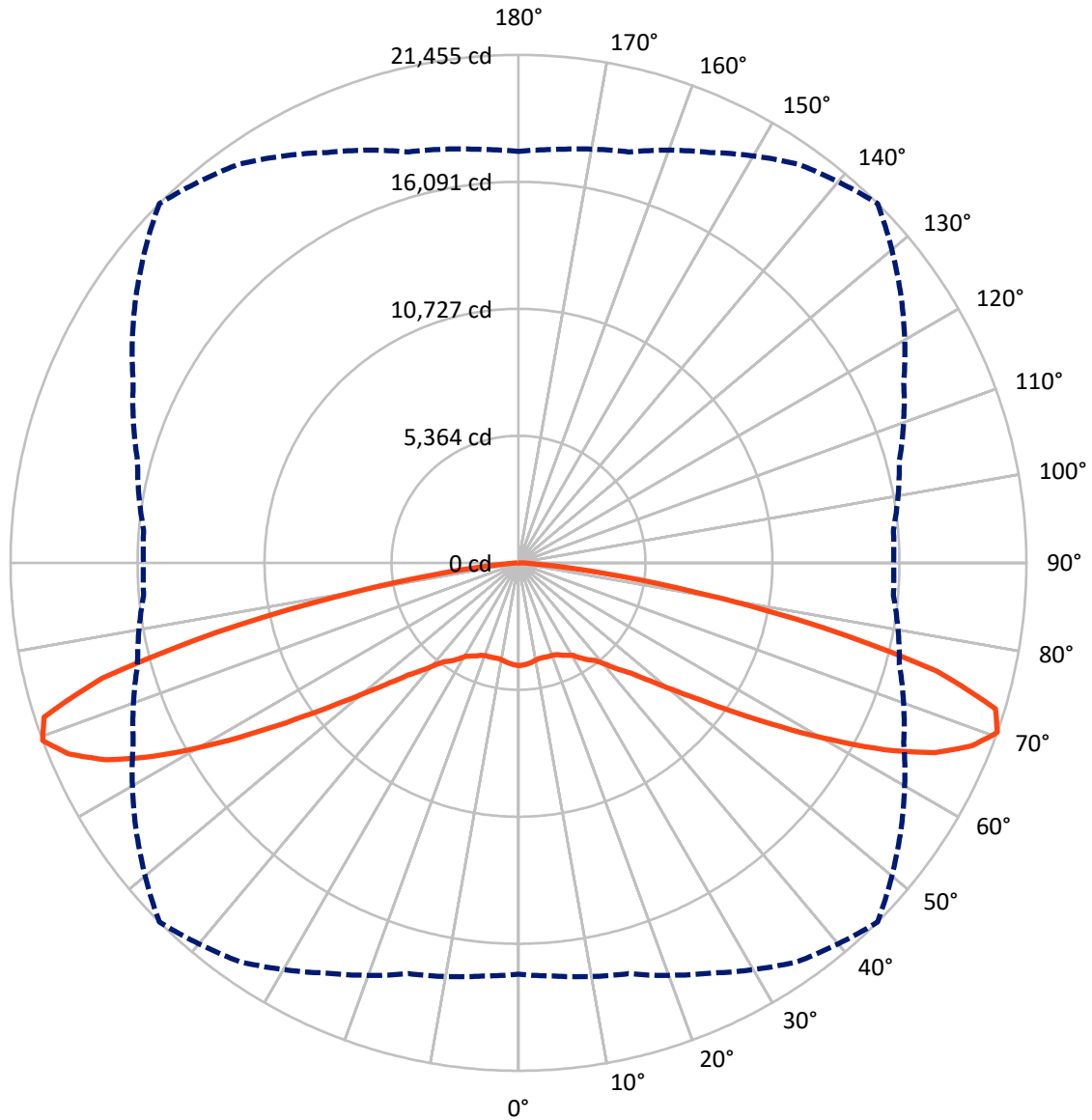
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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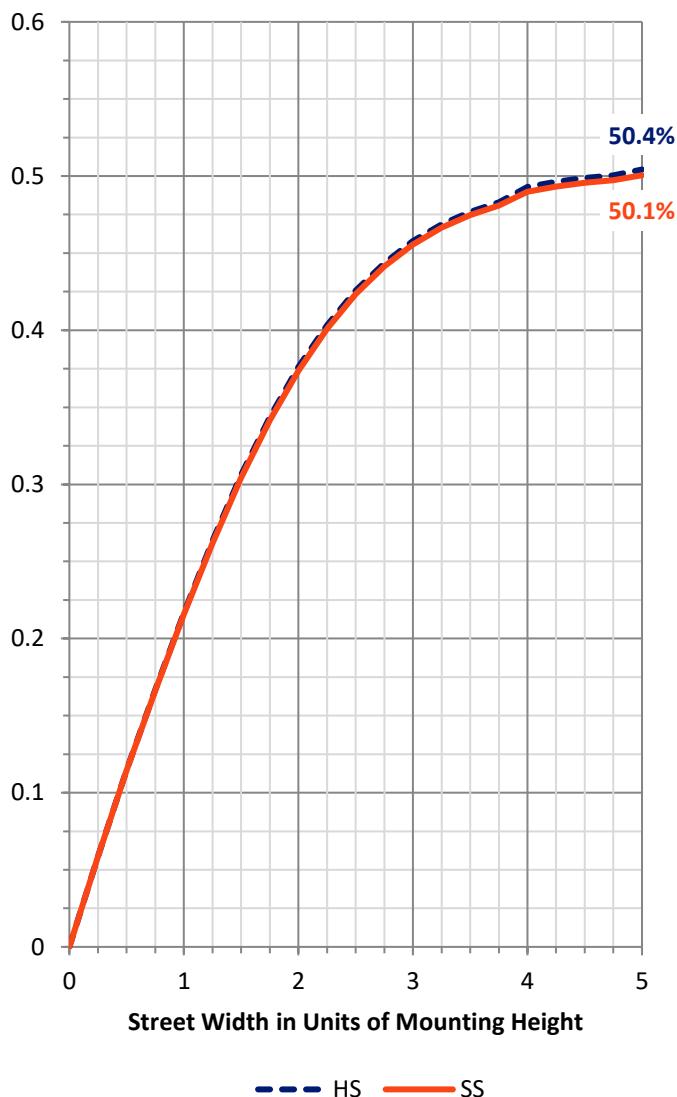
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26348.5	0.0	26348.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26348.5	0.0	26348.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52697.0	0.0	52697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.8	0.8
10°-20°	1182.4	2.2
20°-30°	2015.9	3.8
30°-40°	3150.0	6.0
40°-50°	5338.4	10.1
50°-60°	9735.1	18.5
60°-70°	16759.6	31.8
70°-80°	13136.8	24.9
80°-90°	974.1	1.8
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°	52697.0	100.0
0°-180°	52697.0	100.0

Coefficient of Utilization



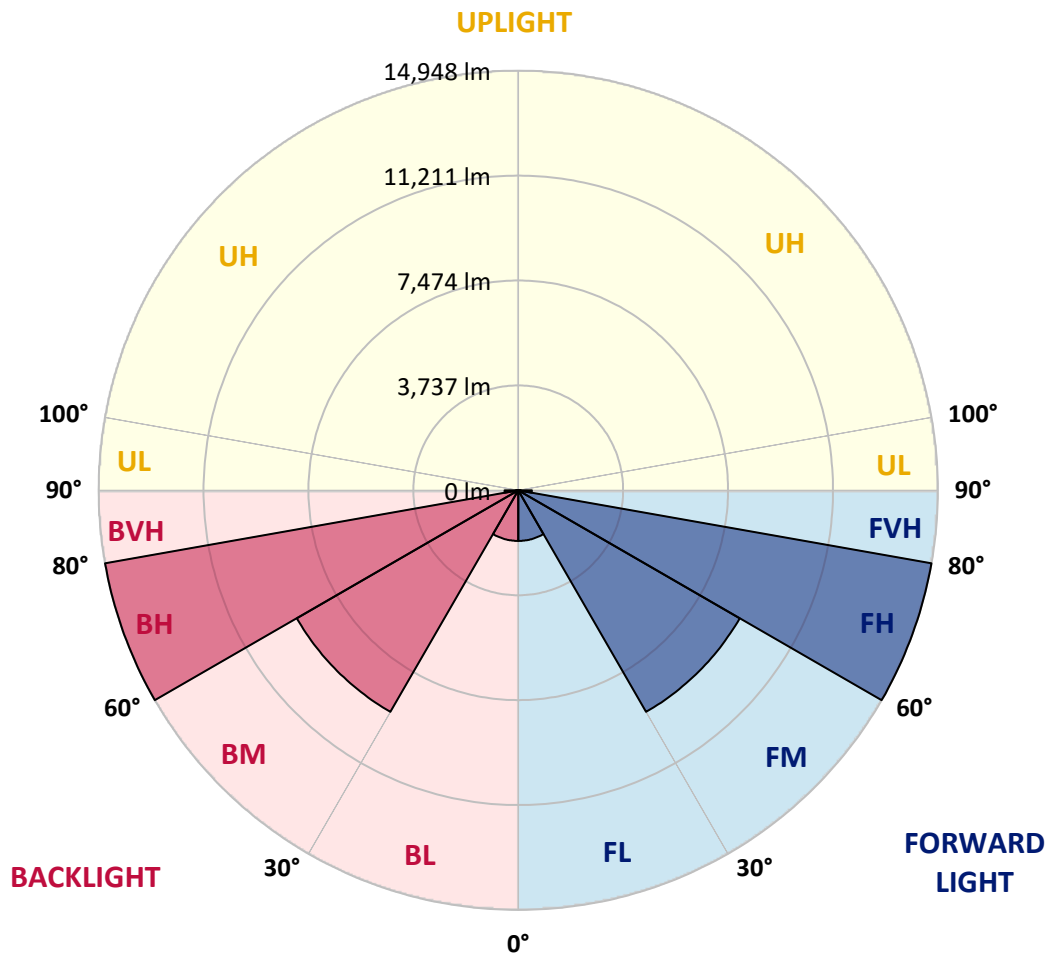
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.6	3.4			
FM (30°-60°)	9111.7	17.3			
FH (60°-80°)	14948.2	28.4			G5
FVH (80°-90°)	487.0	0.9			G3/500
BL (0°-30°)	1801.6	3.4	B3/2500		
BM (30°-60°)	9111.7	17.3	B5		
BH (60°-80°)	14948.2	28.4	B5		G5
BVH (80°-90°)	487.0	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0
2.5°	4317.8	4323.0	4317.8	4321.3	4312.6	4316.1	4316.1	4316.1	4314.3	4316.1	4312.6
5°	4279.4	4282.9	4276.0	4279.4	4274.2	4279.4	4281.2	4279.4	4276.0	4277.7	4270.7
7.5°	4221.9	4225.4	4220.2	4225.4	4218.4	4227.2	4225.4	4220.2	4214.9	4214.9	4208.0
10°	4190.5	4192.3	4178.3	4173.1	4157.4	4160.9	4166.1	4171.4	4176.6	4187.1	4185.3
12.5°	4192.3	4192.3	4171.4	4148.7	4126.0	4131.3	4140.0	4159.2	4180.1	4199.3	4201.0
15°	4209.7	4208.0	4176.6	4140.0	4124.3	4140.0	4145.2	4157.4	4190.5	4223.7	4225.4
17.5°	4221.9	4221.9	4173.1	4131.3	4129.5	4153.9	4152.2	4157.4	4194.0	4242.8	4244.6
20°	4244.6	4244.6	4181.8	4136.5	4136.5	4162.7	4164.4	4173.1	4209.7	4263.8	4272.5
22.5°	4295.1	4296.9	4230.6	4194.0	4197.5	4213.2	4218.4	4232.4	4265.5	4324.8	4335.2
25°	4366.6	4370.1	4302.1	4281.2	4293.4	4323.0	4319.5	4330.0	4366.6	4424.1	4434.6
27.5°	4466.0	4457.2	4394.5	4385.8	4398.0	4418.9	4417.2	4418.9	4448.5	4500.8	4513.0
30°	4595.0	4591.5	4546.1	4551.4	4546.1	4539.2	4540.9	4554.9	4570.6	4612.4	4624.6
32.5°	4720.5	4724.0	4696.1	4722.2	4760.6	4786.7	4746.6	4708.3	4690.8	4713.5	4724.0
35°	4947.1	4955.8	4912.2	4894.8	4947.1	5023.8	4910.5	4847.7	4882.6	4912.2	4920.9
37.5°	5332.3	5337.5	5264.3	5194.6	5156.3	5229.5	5116.2	5121.4	5243.4	5299.2	5297.4
40°	5771.6	5773.3	5724.5	5663.5	5597.3	5614.7	5569.4	5583.3	5663.5	5714.1	5728.0
42.5°	6294.5	6289.3	6212.6	6125.4	6106.3	6123.7	6047.0	6036.5	6128.9	6219.6	6221.3
45°	6972.6	6960.4	6861.1	6765.2	6672.8	6634.4	6615.3	6665.8	6793.1	6876.7	6878.5
47.5°	7703.0	7669.9	7617.6	7540.9	7460.7	7422.4	7391.0	7415.4	7507.8	7540.9	7544.4
50°	8454.3	8461.3	8471.7	8442.1	8412.5	8400.3	8318.3	8271.3	8299.2	8238.2	8229.4
52.5°	9345.1	9359.0	9460.1	9545.5	9596.1	9622.2	9467.1	9305.0	9214.3	9095.8	9060.9
55°	10396.2	10418.8	10567.0	10804.1	11048.1	11177.1	10896.5	10593.2	10312.5	10091.1	10019.7
57.5°	11567.6	11607.7	11811.6	12266.6	12766.9	13071.9	12597.8	12046.9	11504.8	11185.8	11130.0
60°	12941.2	12979.5	13261.9	13913.9	14724.4	15182.9	14464.7	13563.5	12888.9	12583.8	12481.0
62.5°	14576.3	14579.8	14926.6	15688.4	16758.7	17396.7	16424.0	15219.5	14524.0	14156.2	14056.8
65°	16335.1	16343.8	16702.9	17525.7	18632.6	19326.4	18228.2	16973.1	16122.4	15580.3	15503.6
67.5°	17578.0	17614.6	17992.8	18983.0	20018.4	20644.2	19507.7	18088.7	17105.6	16458.9	16394.4
70°	17379.3	17522.2	17966.7	19122.4	20562.3	21454.8	19715.1	17956.2	16659.3	15895.8	15841.8
72.5°	15156.7	15430.4	16023.1	17539.6	19842.3	21071.3	18583.8	16082.4	14614.6	13964.4	13866.8
75°	10321.2	10765.7	11660.0	13847.6	16952.2	18243.9	15644.8	12822.7	11442.1	10542.6	10476.4
77.5°	4601.9	4703.0	5836.1	8354.9	11698.3	13101.6	11367.1	8388.1	6296.3	5022.0	4753.6
80°	1283.0	1298.7	1732.7	3111.5	5855.3	7697.8	6285.8	3268.4	1837.3	1295.2	1220.2
82.5°	407.9	442.8	540.4	807.1	1968.0	3512.5	2020.3	871.6	620.6	495.1	446.2
85°	198.7	197.0	273.7	327.7	502.0	777.4	535.1	404.4	353.9	235.3	212.7
87.5°	83.7	85.4	127.3	115.0	146.4	125.5	172.6	181.3	190.0	104.6	90.6
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)