

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: P316211

Luminaire Tested: **GAN-SA7C-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316211
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-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 52695 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

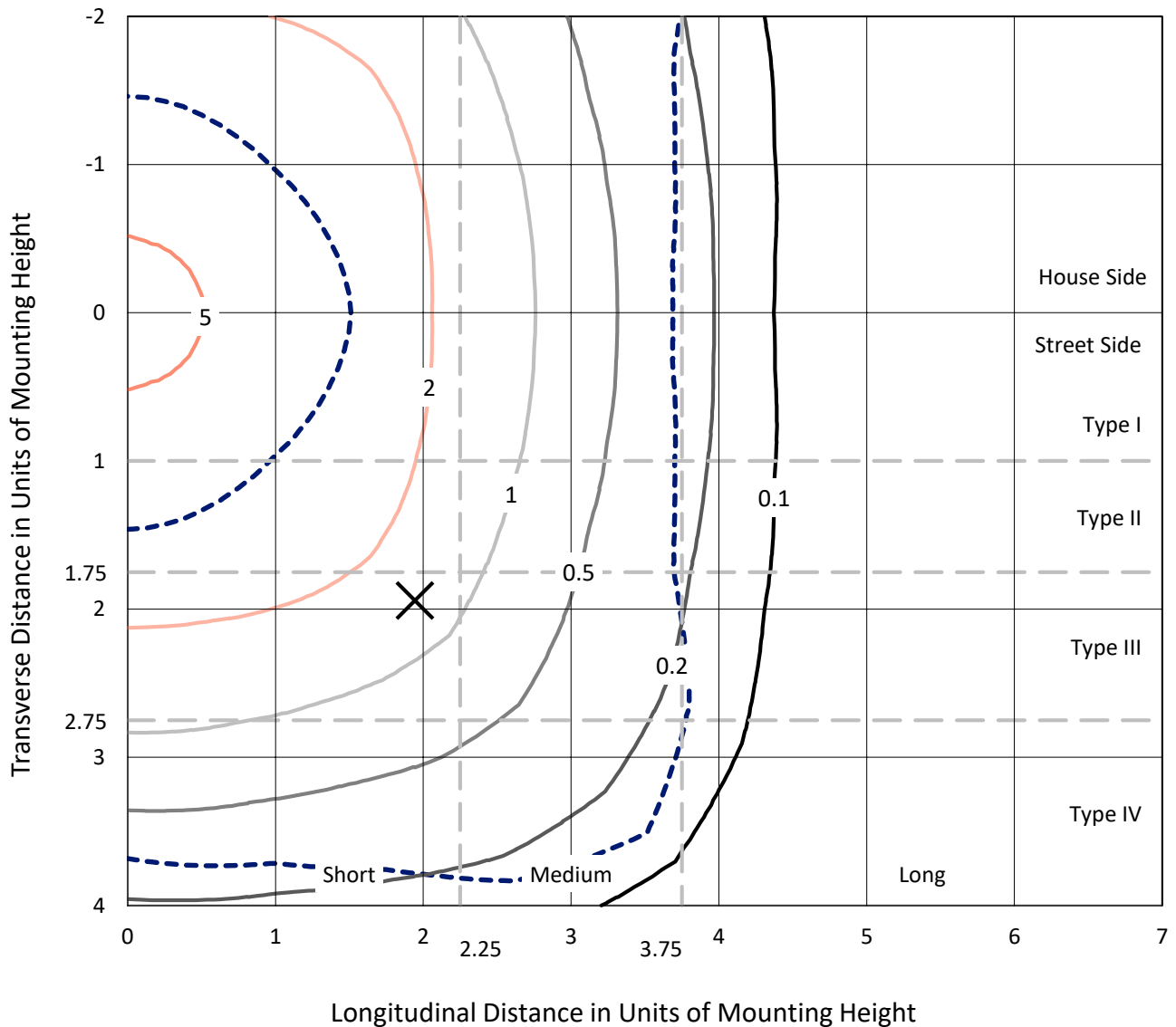
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

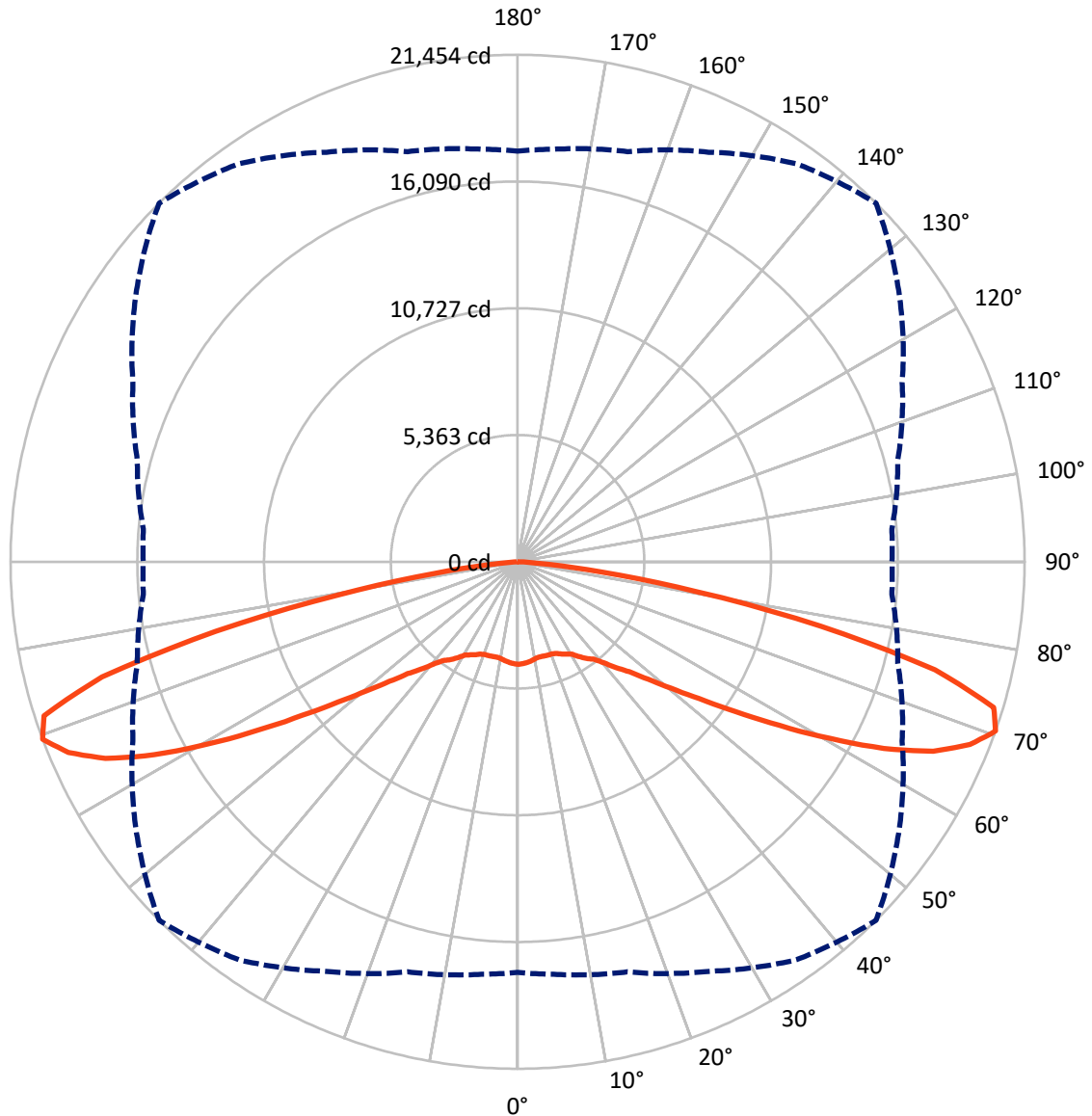
✕ Max cd
 - - - 1/2 Max cd



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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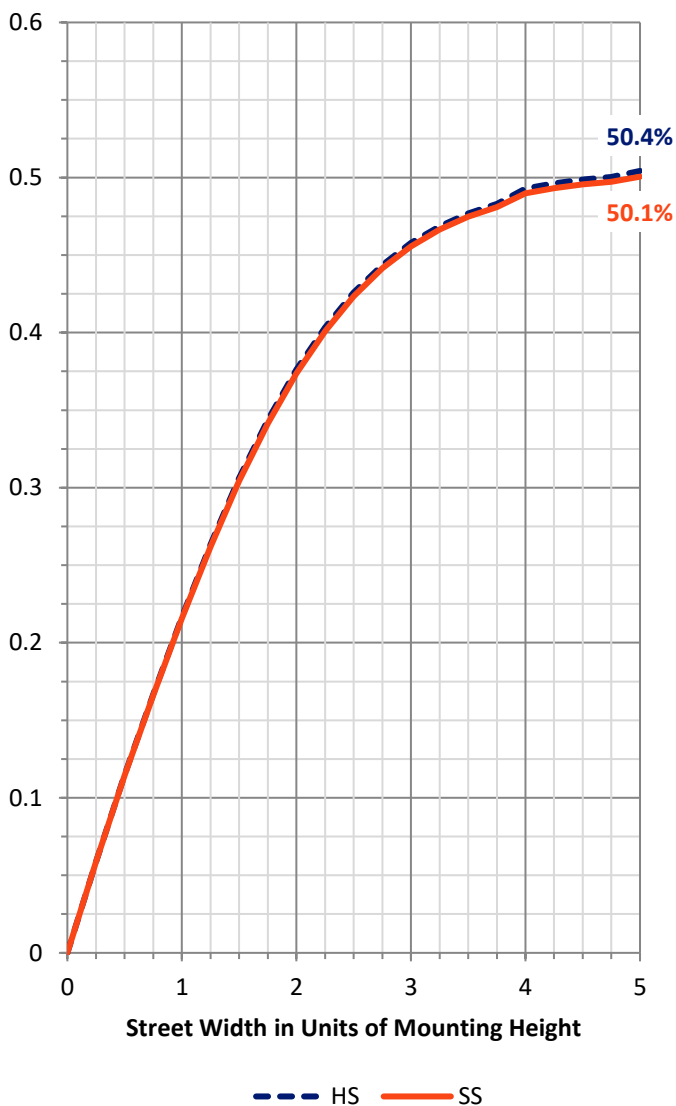
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26347.5	0.0	26347.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26347.5	0.0	26347.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52695.0	0.0	52695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.8	0.8
10°-20°	1182.3	2.2
20°-30°	2015.9	3.8
30°-40°	3149.8	6.0
40°-50°	5338.2	10.1
50°-60°	9734.7	18.5
60°-70°	16758.9	31.8
70°-80°	13136.3	24.9
80°-90°	974.0	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°	52695.0	100.0
0°-180°	52695.0	100.0

Coefficient of Utilization

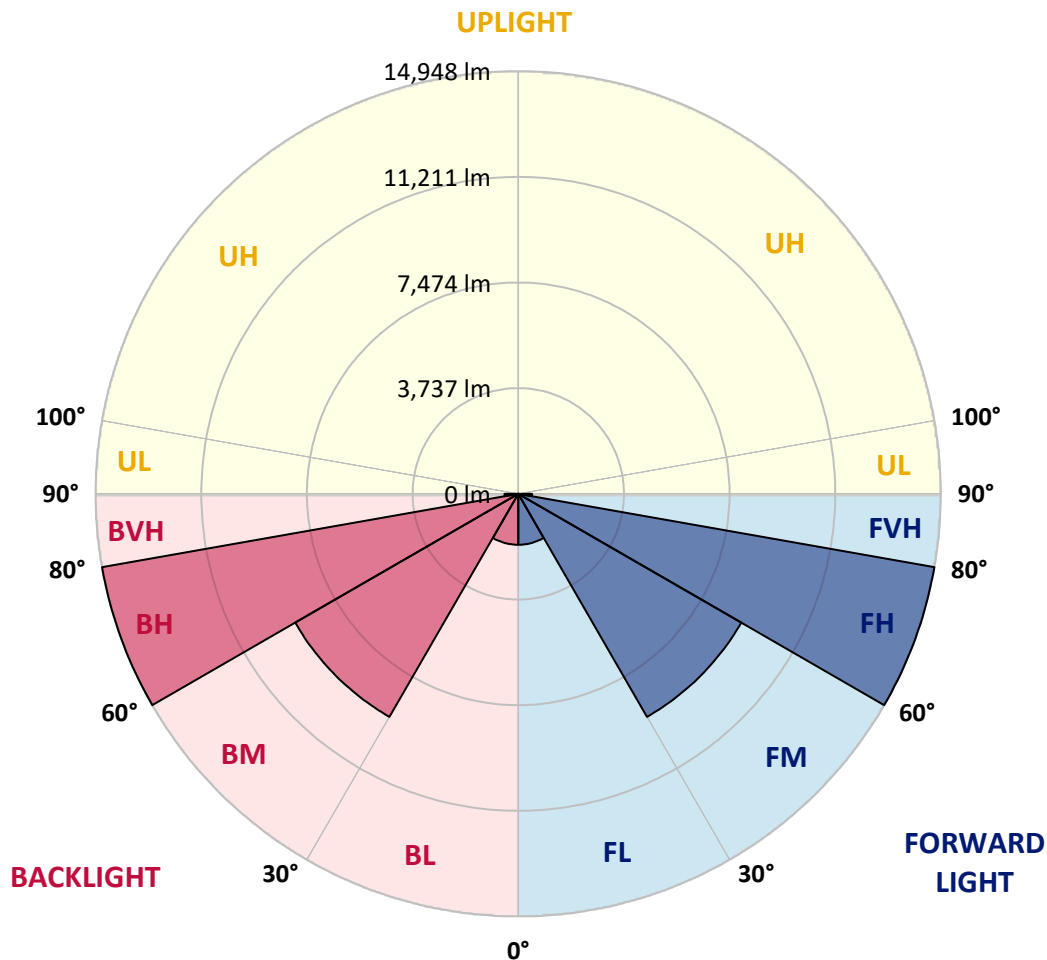


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.5	3.4			
FM (30°-60°)	9111.4	17.3			
FH (60°-80°)	14947.6	28.4			G5
FVH (80°-90°)	487.0	0.9			G3/500
BL (0°-30°)	1801.5	3.4	B3/2500		
BM (30°-60°)	9111.4	17.3	B5		
BH (60°-80°)	14947.6	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°	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8	4336.8
2.5°	4317.6	4322.9	4317.6	4321.1	4312.4	4315.9	4315.9	4315.9	4314.1	4315.9	4312.4
5°	4279.3	4282.8	4275.8	4279.3	4274.1	4279.3	4281.0	4279.3	4275.8	4277.5	4270.6
7.5°	4221.8	4225.2	4220.0	4225.2	4218.3	4227.0	4225.2	4220.0	4214.8	4214.8	4207.8
10°	4190.4	4192.1	4178.2	4173.0	4157.3	4160.8	4166.0	4171.2	4176.4	4186.9	4185.2
12.5°	4192.1	4192.1	4171.2	4148.6	4125.9	4131.1	4139.8	4159.0	4179.9	4199.1	4200.8
15°	4209.6	4207.8	4176.4	4139.8	4124.1	4139.8	4145.1	4157.3	4190.4	4223.5	4225.2
17.5°	4221.8	4221.8	4173.0	4131.1	4129.4	4153.8	4152.0	4157.3	4193.9	4242.7	4244.4
20°	4244.4	4244.4	4181.7	4136.4	4136.4	4162.5	4164.2	4173.0	4209.6	4263.6	4272.3
22.5°	4295.0	4296.7	4230.5	4193.9	4197.4	4213.0	4218.3	4232.2	4265.3	4324.6	4335.1
25°	4366.4	4369.9	4301.9	4281.0	4293.2	4322.9	4319.4	4329.8	4366.4	4424.0	4434.4
27.5°	4465.8	4457.1	4394.3	4385.6	4397.8	4418.7	4417.0	4418.7	4448.4	4500.7	4512.9
30°	4594.8	4591.3	4546.0	4551.2	4546.0	4539.0	4540.7	4554.7	4570.4	4612.2	4624.4
32.5°	4720.3	4723.8	4695.9	4722.0	4760.4	4786.5	4746.4	4708.1	4690.7	4713.3	4723.8
35°	4946.9	4955.6	4912.0	4894.6	4946.9	5023.6	4910.3	4847.5	4882.4	4912.0	4920.7
37.5°	5332.1	5337.3	5264.1	5194.4	5156.1	5229.3	5116.0	5121.2	5243.2	5299.0	5297.2
40°	5771.4	5773.1	5724.3	5663.3	5597.1	5614.5	5569.2	5583.1	5663.3	5713.8	5727.8
42.5°	6294.3	6289.1	6212.4	6125.2	6106.0	6123.5	6046.8	6036.3	6128.7	6219.3	6221.1
45°	6972.4	6960.2	6860.8	6764.9	6672.5	6634.2	6615.0	6665.6	6792.8	6876.5	6878.2
47.5°	7702.7	7669.6	7617.3	7540.6	7460.4	7422.1	7390.7	7415.1	7507.5	7540.6	7544.1
50°	8454.0	8461.0	8471.4	8441.8	8412.1	8399.9	8318.0	8271.0	8298.8	8237.8	8229.1
52.5°	9344.7	9358.6	9459.7	9545.2	9595.7	9621.9	9466.7	9304.6	9214.0	9095.4	9060.6
55°	10395.8	10418.4	10566.6	10803.7	11047.7	11176.7	10896.1	10592.8	10312.1	10090.7	10019.3
57.5°	11567.1	11607.2	11811.2	12266.1	12766.4	13071.4	12597.3	12046.5	11504.4	11185.4	11129.6
60°	12940.7	12979.0	13261.4	13913.3	14723.9	15182.3	14464.2	13563.0	12888.4	12583.4	12480.5
62.5°	14575.7	14579.2	14926.1	15687.8	16758.1	17396.0	16423.4	15218.9	14523.4	14155.6	14056.3
65°	16334.5	16343.2	16702.3	17525.0	18631.9	19325.6	18227.5	16972.5	16121.8	15579.7	15503.0
67.5°	17577.3	17613.9	17992.2	18982.2	20017.6	20643.4	19506.9	18088.0	17104.9	16458.2	16393.8
70°	17378.6	17521.5	17966.0	19121.7	20561.5	21453.9	19714.3	17955.6	16658.7	15895.2	15841.2
72.5°	15156.2	15429.8	16022.5	17539.0	19841.6	21070.5	18583.1	16081.7	14614.1	13963.9	13866.3
75°	10320.8	10765.3	11659.5	13847.1	16951.5	18243.2	15644.2	12822.2	11441.6	10542.2	10476.0
77.5°	4601.8	4702.9	5835.9	8354.6	11697.9	13101.1	11366.7	8387.7	6296.0	5021.8	4753.4
80°	1282.9	1298.6	1732.6	3111.4	5855.0	7697.5	6285.6	3268.3	1837.2	1295.1	1220.2
82.5°	407.9	442.7	540.4	807.1	1967.9	3512.3	2020.2	871.5	620.5	495.0	446.2
85°	198.7	197.0	273.7	327.7	502.0	777.4	535.1	404.4	353.8	235.3	212.7
87.5°	83.7	85.4	127.2	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)