

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: P317073

Luminaire Tested: **GAN-SA9A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38784 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

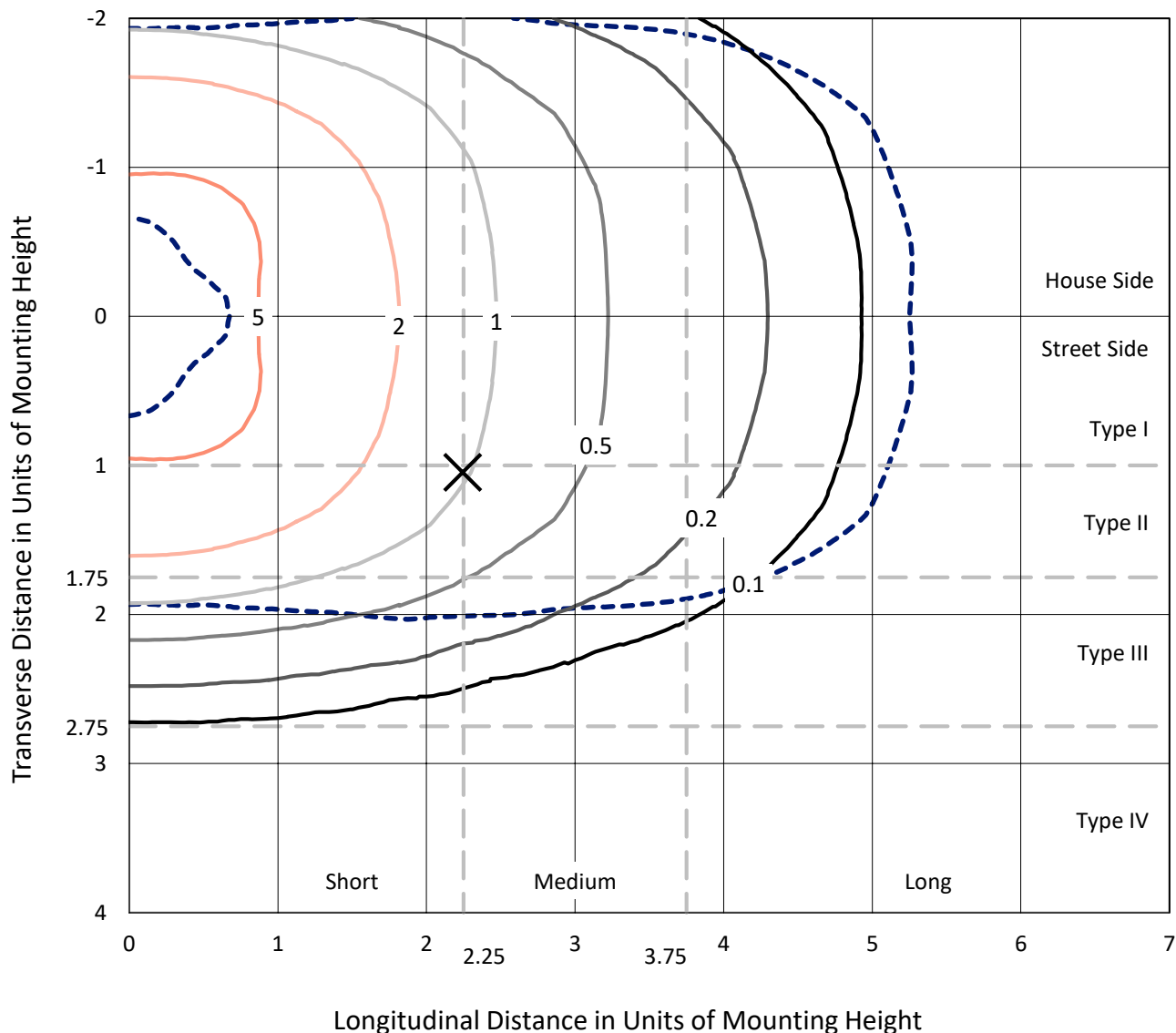
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

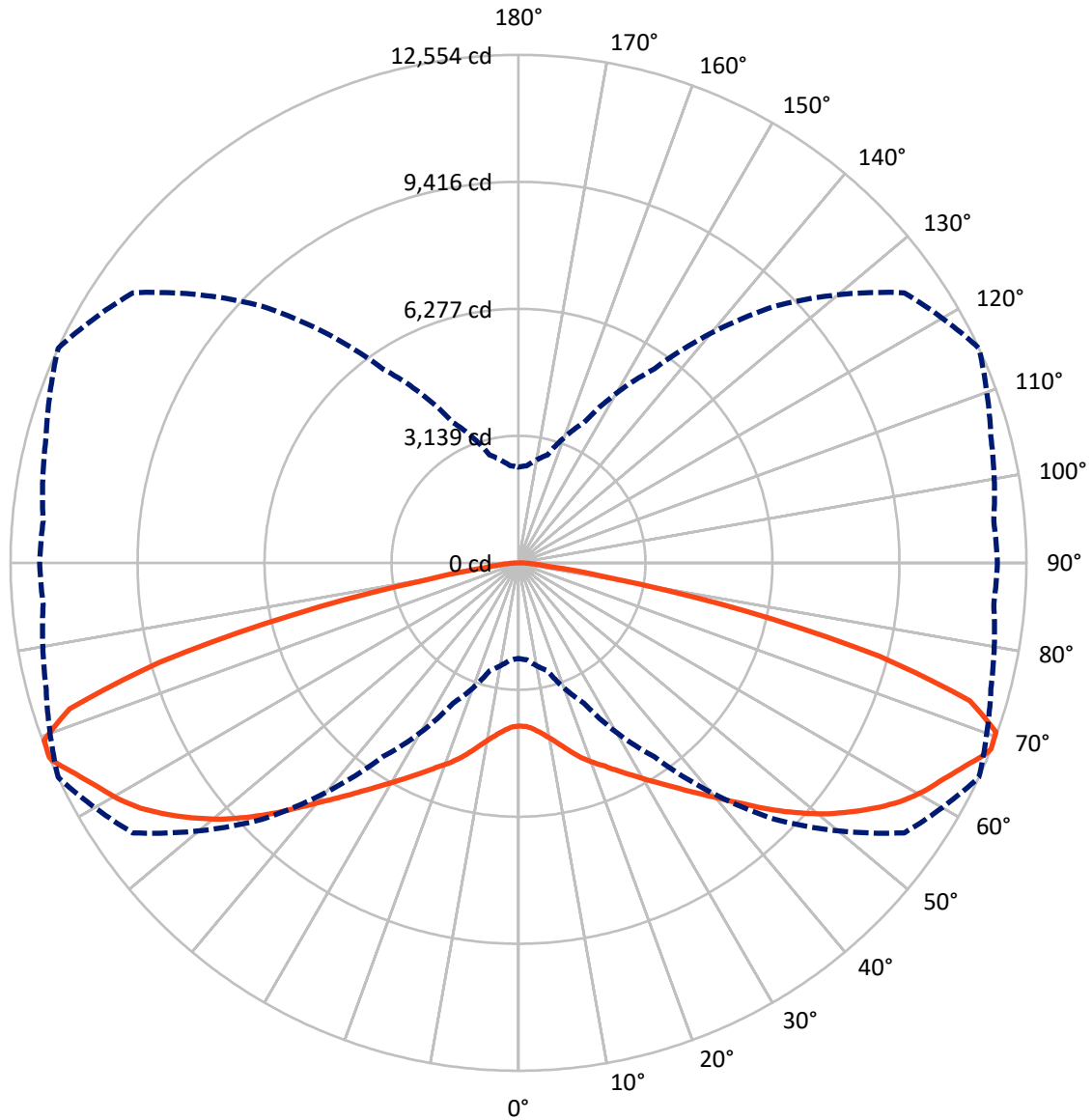
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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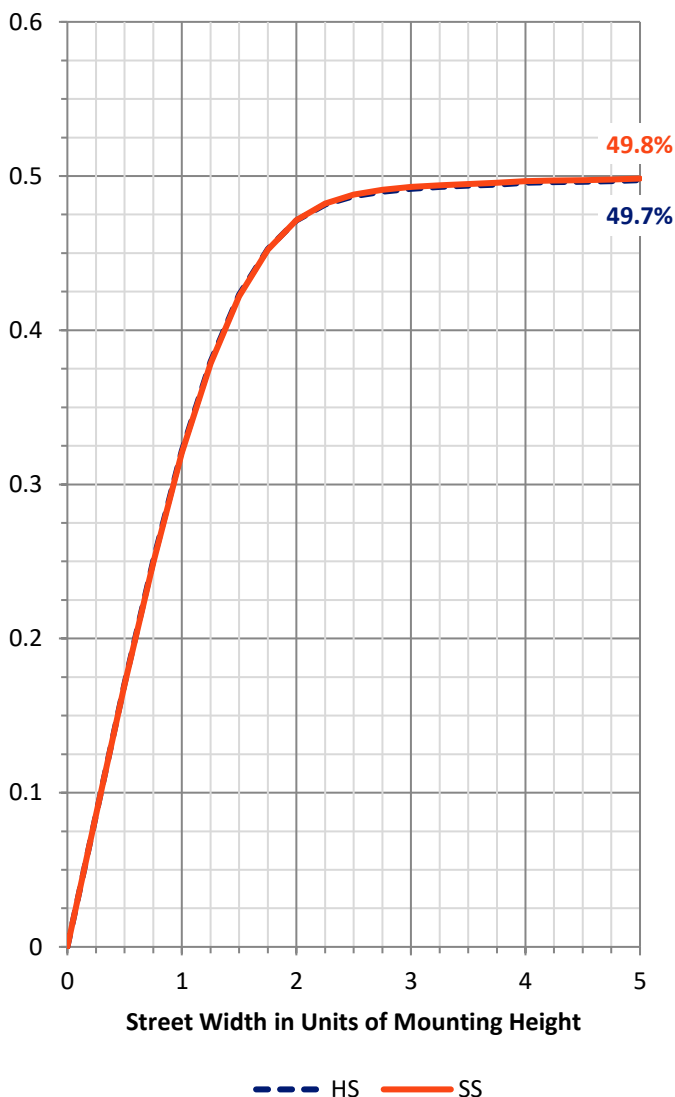
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19392.0	0.0	19392.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19392.0	0.0	19392.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38784.0	0.0	38784.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.8	1.0
10°-20°	1322.0	3.4
20°-30°	2577.6	6.6
30°-40°	4330.2	11.2
40°-50°	6822.9	17.6
50°-60°	9124.4	23.5
60°-70°	8870.1	22.9
70°-80°	4848.8	12.5
80°-90°	493.1	1.3
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°	38784.0	100.0
0°-180°	38784.0	100.0

Coefficient of Utilization

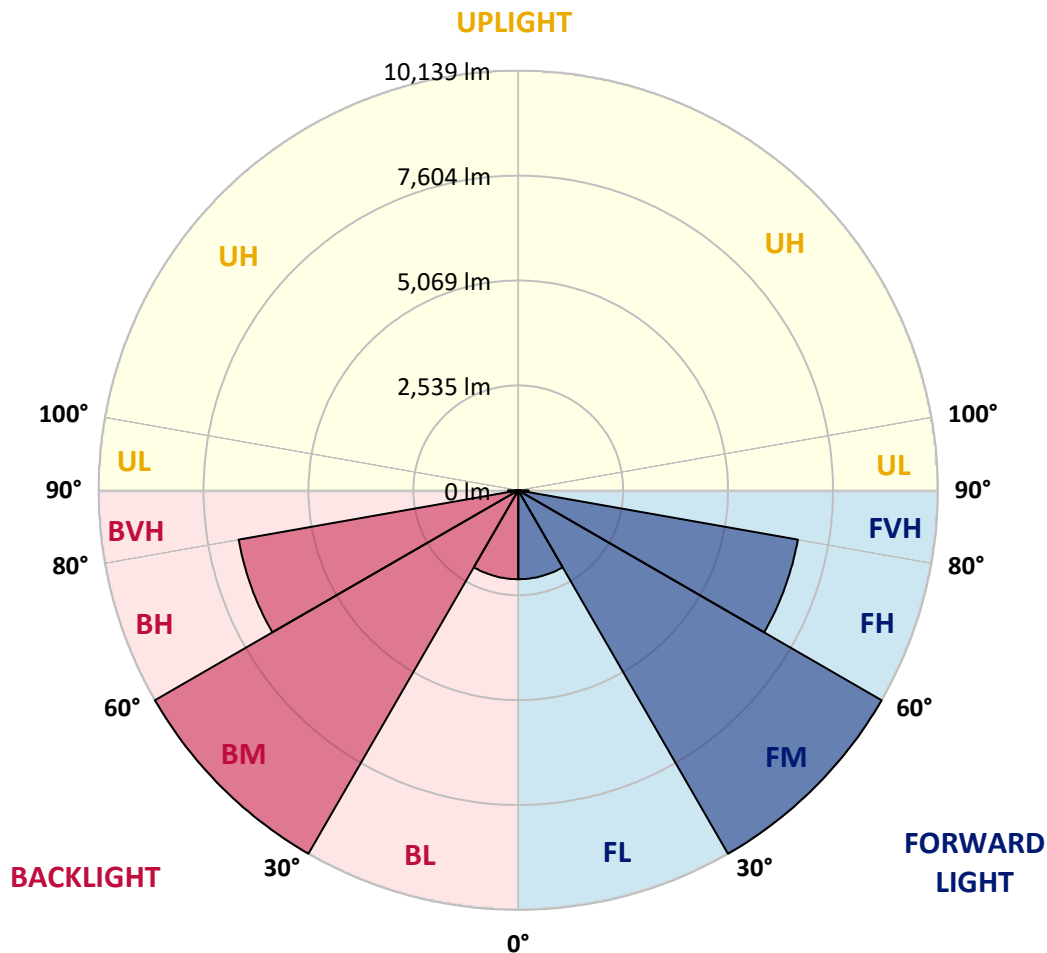


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2147.2	5.5			
FM (30°-60°)	10138.7	26.1			
FH (60°-80°)	6859.5	17.7			G3/7500
FVH (80°-90°)	246.6	0.6			G3/500
BL (0°-30°)	2147.2	5.5	B3/2500		
BM (30°-60°)	10138.7	26.1	B5		
BH (60°-80°)	6859.5	17.7	B5		G5
BVH (80°-90°)	246.6	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6	4032.6
2.5°	4004.0	4005.3	4011.8	4019.6	4026.1	4043.0	4046.9	4053.4	4056.0	4062.5	4062.5
5°	3968.9	3971.5	3987.1	4007.9	4031.3	4072.9	4102.8	4136.7	4153.6	4171.8	4170.5
7.5°	3965.0	3971.5	3993.6	4027.4	4066.4	4135.4	4197.8	4265.4	4310.9	4352.5	4349.9
10°	4005.3	4015.7	4046.9	4097.6	4156.2	4242.0	4334.3	4425.4	4504.7	4568.4	4571.0
12.5°	4066.4	4079.4	4128.9	4205.6	4294.0	4404.5	4513.8	4616.5	4725.8	4820.7	4828.5
15°	4147.1	4164.0	4238.1	4352.5	4487.8	4619.1	4736.2	4841.5	4967.6	5099.0	5112.0
17.5°	4266.7	4290.1	4387.6	4542.4	4720.5	4864.9	4987.1	5066.5	5171.8	5307.0	5331.7
20°	4448.8	4478.7	4602.2	4786.9	5004.0	5154.9	5248.5	5265.4	5317.4	5438.4	5467.0
22.5°	4685.4	4711.4	4849.3	5069.1	5312.2	5476.1	5525.5	5457.9	5452.7	5550.2	5577.5
25°	4949.4	4972.8	5132.8	5379.9	5641.3	5822.0	5820.7	5689.4	5598.3	5673.8	5702.4
27.5°	5245.9	5282.3	5435.8	5695.9	5975.5	6153.6	6143.2	5940.3	5767.4	5786.9	5811.6
30°	5586.6	5626.9	5776.5	6040.5	6320.1	6494.3	6481.3	6213.4	5953.4	5901.3	5919.5
32.5°	6009.3	6057.4	6199.1	6459.2	6706.3	6863.7	6825.9	6509.9	6177.0	6063.9	6080.8
35°	6517.7	6546.3	6695.9	6952.1	7152.3	7260.3	7181.0	6853.2	6460.5	6324.0	6324.0
37.5°	7032.7	7054.8	7222.6	7471.0	7664.7	7721.9	7567.2	7229.1	6831.1	6637.4	6641.3
40°	7526.9	7586.7	7775.3	8030.1	8221.3	8236.9	8031.4	7658.2	7243.4	7043.1	7066.5
42.5°	8043.1	8101.7	8326.6	8615.3	8784.4	8810.4	8569.8	8139.4	7708.9	7546.4	7572.4
45°	8503.5	8550.3	8810.4	9145.9	9356.6	9424.2	9139.4	8690.8	8212.2	8053.5	8060.0
47.5°	8824.7	8885.8	9171.9	9567.2	9874.1	9978.2	9698.6	9227.8	8707.7	8515.2	8532.1
50°	9116.0	9148.5	9438.5	9870.2	10260.4	10474.9	10235.7	9758.4	9208.3	9004.2	9022.4
52.5°	9278.5	9320.2	9601.1	10051.0	10512.6	10858.6	10712.9	10235.7	9692.1	9493.1	9515.2
55°	9165.4	9196.6	9533.4	10091.3	10668.7	11095.2	11117.3	10702.5	10166.7	9992.5	10054.9
57.5°	8650.4	8689.5	9100.4	9831.2	10688.2	11255.2	11421.6	11135.6	10610.2	10468.4	10504.8
60°	7845.5	7870.2	8308.4	9130.3	10308.5	11321.5	11615.4	11489.3	11044.5	10902.8	10952.2
62.5°	6411.1	6447.5	6971.6	8073.0	9506.1	11125.2	11802.7	11781.9	11449.0	11318.9	11363.1
65°	4382.4	4446.2	5026.1	6418.9	8269.4	10524.4	11973.0	12122.6	11806.6	11642.7	11701.2
67.5°	2646.4	2693.2	3113.2	4238.1	6327.9	9312.4	11797.5	12510.1	12058.9	11794.9	11843.0
68°	2365.5	2408.4	2759.5	3824.6	5853.2	8970.3	11637.5	12554.3	12086.2	11792.3	11835.2
70°	1429.2	1457.8	1693.2	2364.2	3902.6	7115.9	10546.5	12517.9	12260.4	11828.7	11853.4
72.5°	931.1	940.2	979.2	1213.3	1993.6	3979.3	7915.7	11664.8	12521.8	12040.7	12036.8
75°	773.8	768.6	772.5	799.8	983.1	1745.2	4625.6	9214.8	11936.6	11706.4	11624.5
77.5°	654.1	650.2	648.9	650.2	658.0	842.7	2007.9	5740.1	9134.2	10355.3	10428.1
80°	529.3	524.1	541.0	533.2	509.8	524.1	841.4	2387.6	4305.7	4632.1	4340.8
82.5°	384.9	365.4	438.2	417.4	397.9	369.3	464.3	771.2	1027.3	704.8	495.5
85°	296.5	275.7	332.9	319.9	273.1	188.6	275.7	377.1	416.1	238.0	187.3
87.5°	120.9	127.4	240.6	189.9	160.0	91.0	113.1	150.8	202.9	101.4	78.0
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)