

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: P317112

Luminaire Tested: **GAN-SA8A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317112
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-SA8A-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38178 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

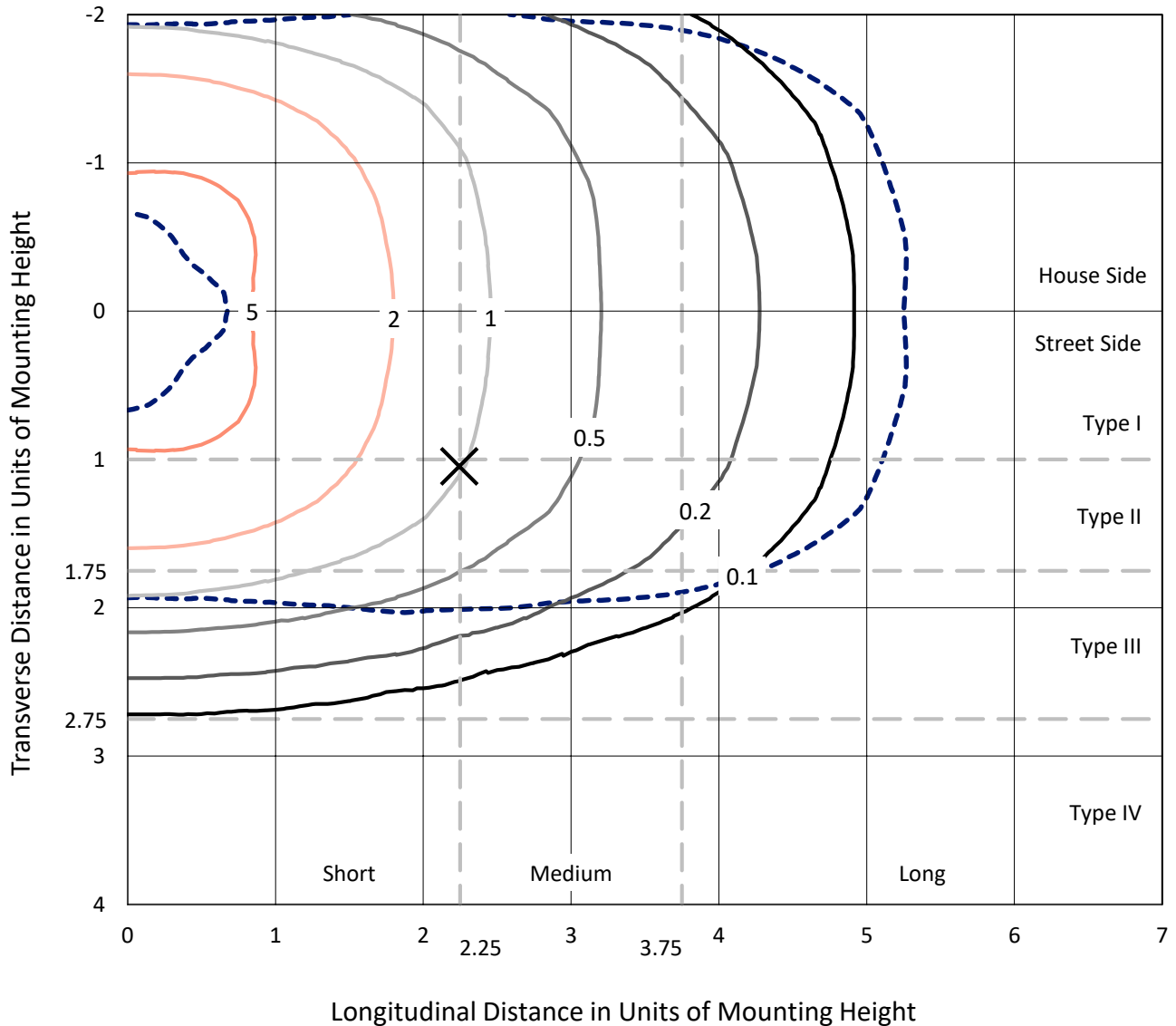
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

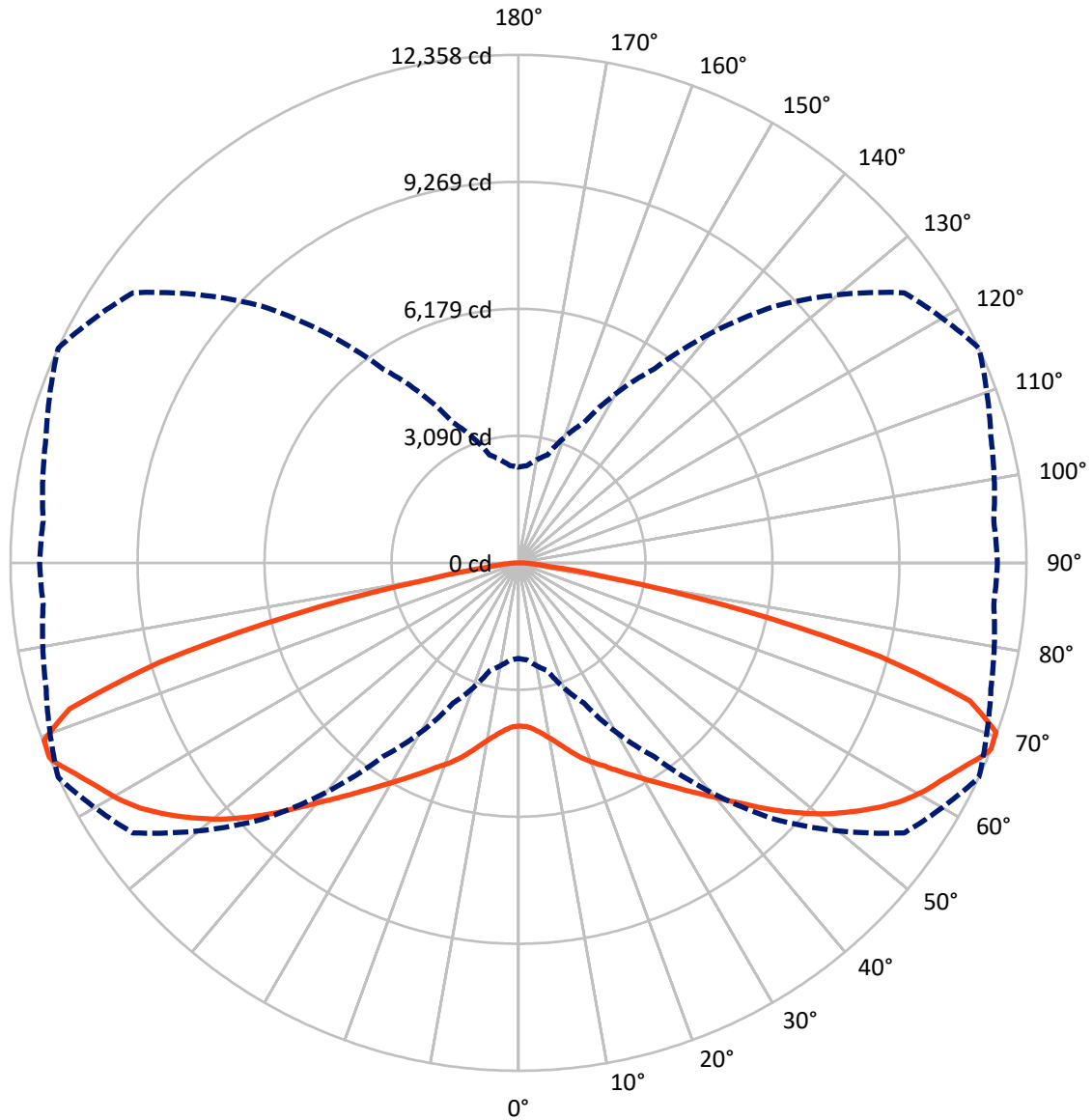
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	19089.0	0.0	19089.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19089.0	0.0	19089.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38178.0	0.0	38178.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.6	1.0
10°-20°	1301.4	3.4
20°-30°	2537.3	6.6
30°-40°	4262.5	11.2
40°-50°	6716.3	17.6
50°-60°	8981.9	23.5
60°-70°	8731.5	22.9
70°-80°	4773.1	12.5
80°-90°	485.4	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°	38178.0	100.0
0°-180°	38178.0	100.0

Coefficient of Utilization

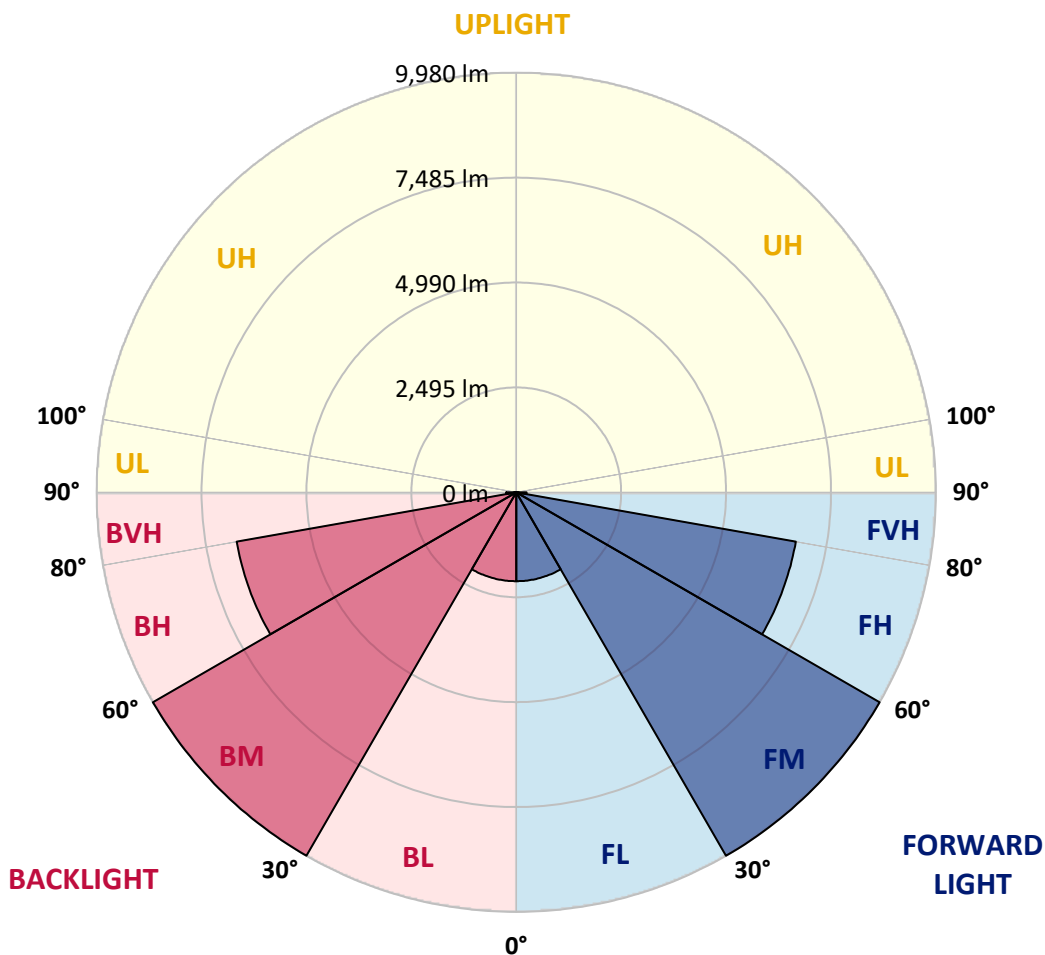


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2113.7	5.5			
FM (30°-60°)	9980.3	26.1			
FH (60°-80°)	6752.3	17.7			G3/7500
FVH (80°-90°)	242.7	0.6			G3/500
BL (0°-30°)	2113.7	5.5	B3/2500		
BM (30°-60°)	9980.3	26.1	B5		
BH (60°-80°)	6752.3	17.7	B5		G5
BVH (80°-90°)	242.7	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°	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6	3969.6
2.5°	3941.5	3942.7	3949.1	3956.8	3963.2	3979.9	3983.7	3990.1	3992.7	3999.1	3999.1
5°	3906.9	3909.4	3924.8	3945.3	3968.3	4009.3	4038.7	4072.0	4088.7	4106.6	4105.3
7.5°	3903.0	3909.4	3931.2	3964.5	4002.9	4070.7	4132.2	4198.8	4243.6	4284.5	4282.0
10°	3942.7	3953.0	3983.7	4033.6	4091.2	4175.7	4266.6	4356.2	4434.3	4497.0	4499.6
12.5°	4002.9	4015.7	4064.3	4139.9	4226.9	4335.7	4443.3	4544.4	4651.9	4745.4	4753.0
15°	4082.3	4098.9	4171.9	4284.5	4417.7	4546.9	4662.2	4765.8	4890.0	5019.3	5032.1
17.5°	4200.0	4223.1	4319.1	4471.4	4646.8	4788.9	4909.2	4987.3	5091.0	5224.1	5248.4
20°	4379.2	4408.7	4530.3	4712.1	4925.9	5074.3	5166.5	5183.2	5234.4	5353.4	5381.6
22.5°	4612.2	4637.8	4773.5	4989.9	5229.2	5390.5	5439.2	5372.6	5367.5	5463.5	5490.4
25°	4872.1	4895.1	5052.6	5295.8	5553.1	5731.0	5729.8	5600.5	5510.9	5585.1	5613.3
27.5°	5164.0	5199.8	5350.8	5606.9	5882.1	6057.5	6047.2	5847.5	5677.3	5696.5	5720.8
30°	5499.3	5539.0	5686.2	5946.1	6221.3	6392.9	6380.1	6116.4	5860.3	5809.1	5827.0
32.5°	5915.4	5962.7	6102.3	6358.3	6601.5	6756.4	6719.3	6408.2	6080.5	5969.1	5985.8
35°	6415.9	6444.1	6591.3	6843.5	7040.6	7146.8	7068.8	6746.2	6359.6	6225.2	6225.2
37.5°	6922.8	6944.6	7109.7	7354.2	7545.0	7601.3	7448.9	7116.1	6724.4	6533.7	6537.5
40°	7409.3	7468.1	7653.8	7904.7	8092.8	8108.2	7905.9	7538.6	7130.2	6933.1	6956.1
42.5°	7917.5	7975.1	8196.5	8480.7	8647.1	8672.7	8435.9	8012.2	7588.5	7428.5	7454.1
45°	8370.6	8416.7	8672.7	9003.0	9210.4	9276.9	8996.6	8555.0	8083.9	7927.7	7934.1
47.5°	8686.8	8747.0	9028.6	9417.8	9719.9	9822.3	9547.0	9083.6	8571.6	8382.1	8398.8
50°	8973.6	9005.6	9291.0	9716.0	10100.0	10311.3	10075.7	9605.9	9064.4	8863.5	8881.4
52.5°	9133.6	9174.5	9451.0	9894.0	10348.4	10688.9	10545.5	10075.7	9540.6	9344.8	9366.5
55°	9022.2	9052.9	9384.5	9933.6	10502.0	10921.9	10943.6	10535.3	10007.9	9836.3	9897.8
57.5°	8515.3	8553.7	8958.2	9677.6	10521.2	11079.3	11243.2	10961.6	10444.4	10304.9	10340.7
60°	7722.9	7747.2	8178.6	8987.6	10147.4	11144.6	11433.9	11309.8	10872.0	10732.4	10781.1
62.5°	6310.9	6346.8	6862.7	7946.9	9357.6	10951.3	11618.3	11597.8	11270.1	11142.1	11185.6
65°	4314.0	4376.7	4947.6	6318.6	8140.2	10359.9	11786.0	11933.2	11622.1	11460.8	11518.4
67.5°	2605.0	2651.1	3064.6	4171.9	6229.0	9166.9	11613.1	12314.6	11870.4	11610.6	11657.9
68°	2328.5	2370.8	2716.4	3764.8	5761.8	8830.2	11455.7	12358.2	11897.3	11608.0	11650.3
70°	1406.8	1435.0	1666.7	2327.2	3841.6	7004.7	10381.7	12322.3	12068.9	11643.9	11668.2
72.5°	916.6	925.5	963.9	1194.3	1962.4	3917.1	7792.0	11482.6	12326.2	11852.5	11848.7
75°	761.7	756.5	760.4	787.3	967.8	1717.9	4553.3	9070.8	11750.1	11523.5	11442.9
77.5°	643.9	640.1	638.8	640.1	647.7	829.5	1976.5	5650.4	8991.5	10193.5	10265.2
80°	521.0	515.9	532.5	524.8	501.8	515.9	828.2	2350.3	4238.4	4559.7	4273.0
82.5°	378.9	359.7	431.4	410.9	391.7	363.6	457.0	759.1	1011.3	693.8	487.7
85°	291.9	271.4	327.7	314.9	268.8	185.6	271.4	371.2	409.6	234.3	184.3
87.5°	119.1	125.5	236.8	186.9	157.5	89.6	111.4	148.5	199.7	99.8	76.8
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)