

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: P316634

Luminaire Tested: **GAN-SA0A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316634
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-SA0A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38506 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

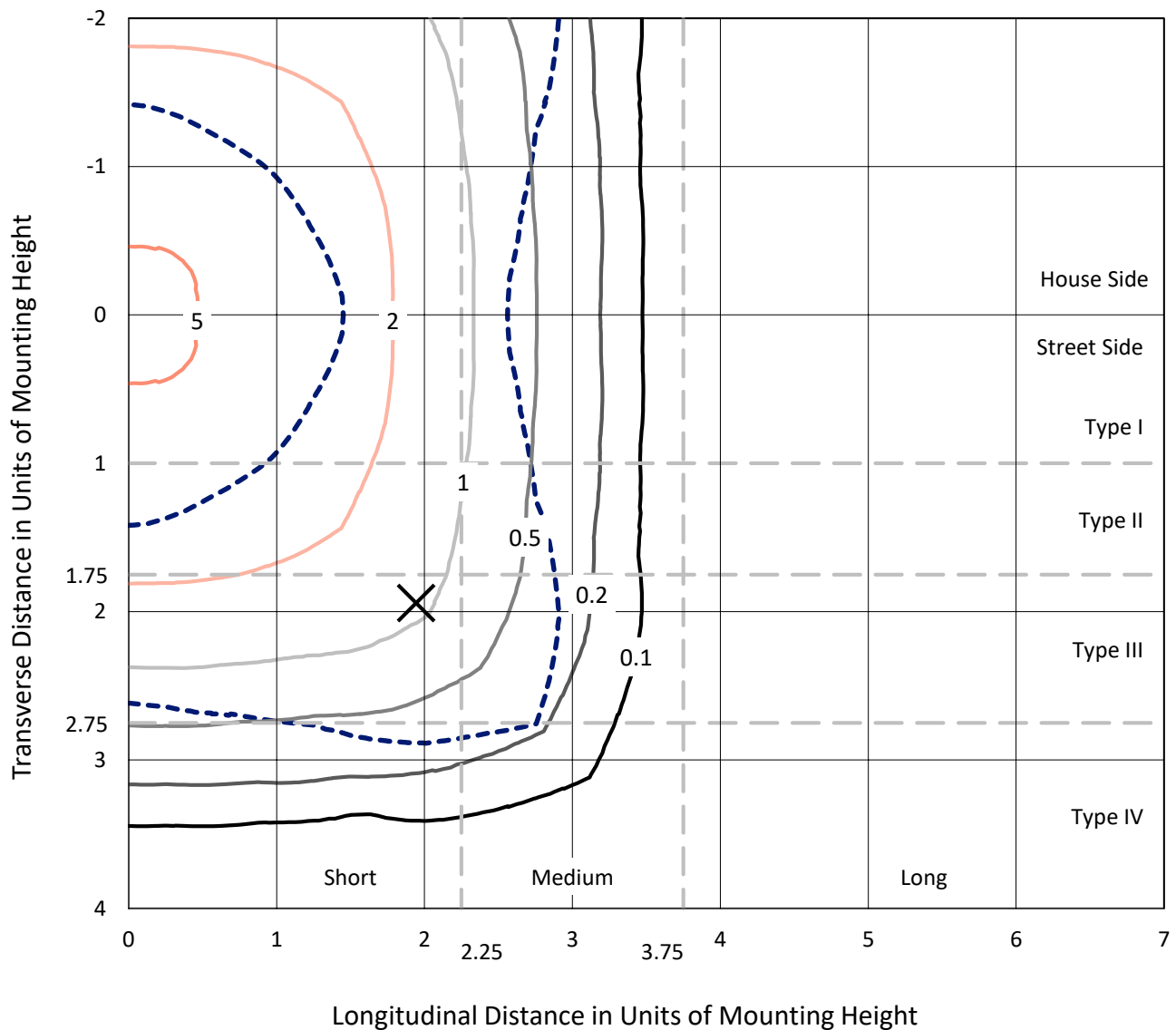
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

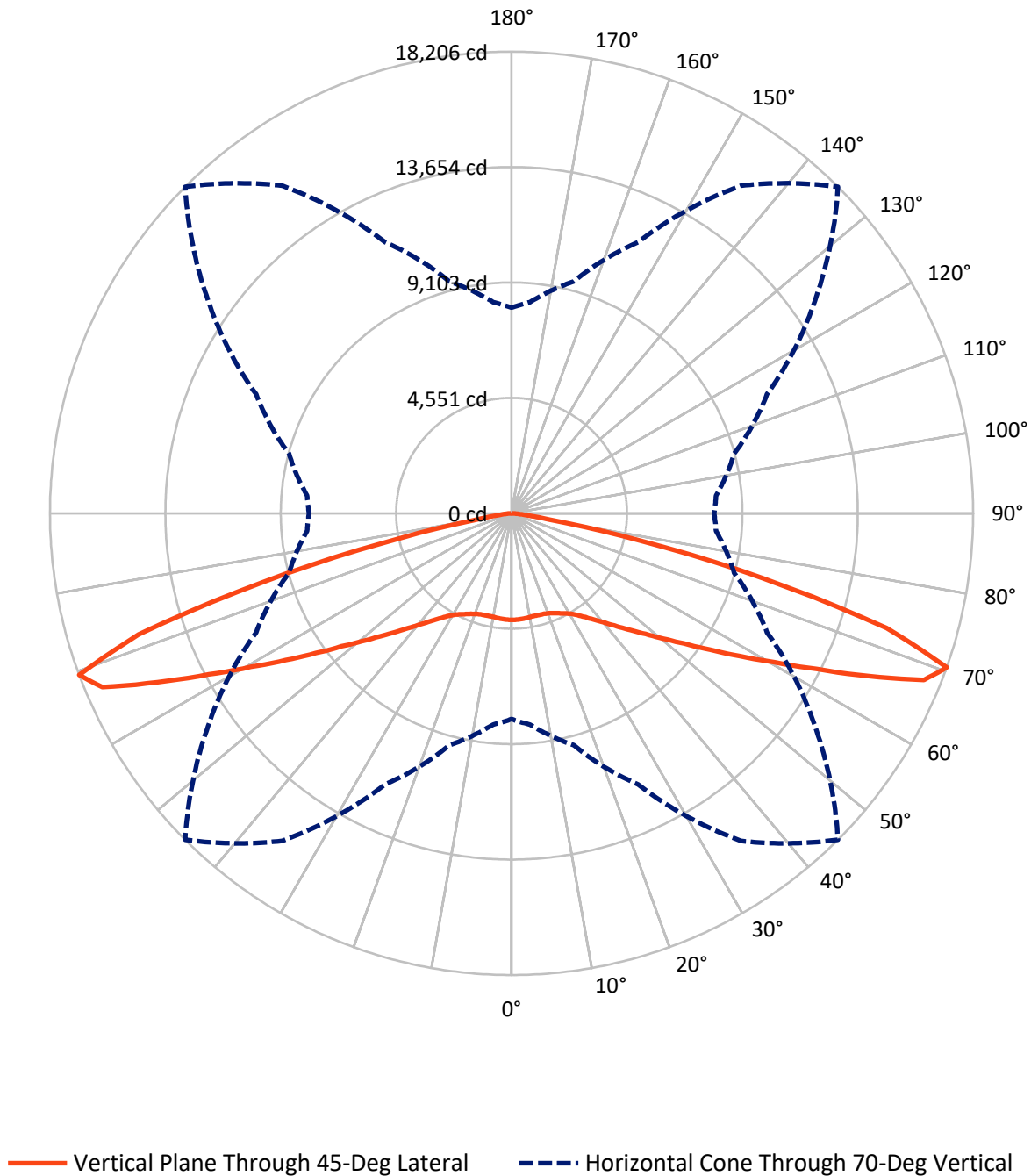
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	19253.0	0.0	19253.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19253.0	0.0	19253.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38506.0	0.0	38506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.3	1.0
10°-20°	1169.3	3.0
20°-30°	1990.5	5.2
30°-40°	3157.0	8.2
40°-50°	5137.4	13.3
50°-60°	8470.6	22.0
60°-70°	12435.1	32.3
70°-80°	5498.8	14.3
80°-90°	249.0	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°	38506.0	100.0
0°-180°	38506.0	100.0

Coefficient of Utilization



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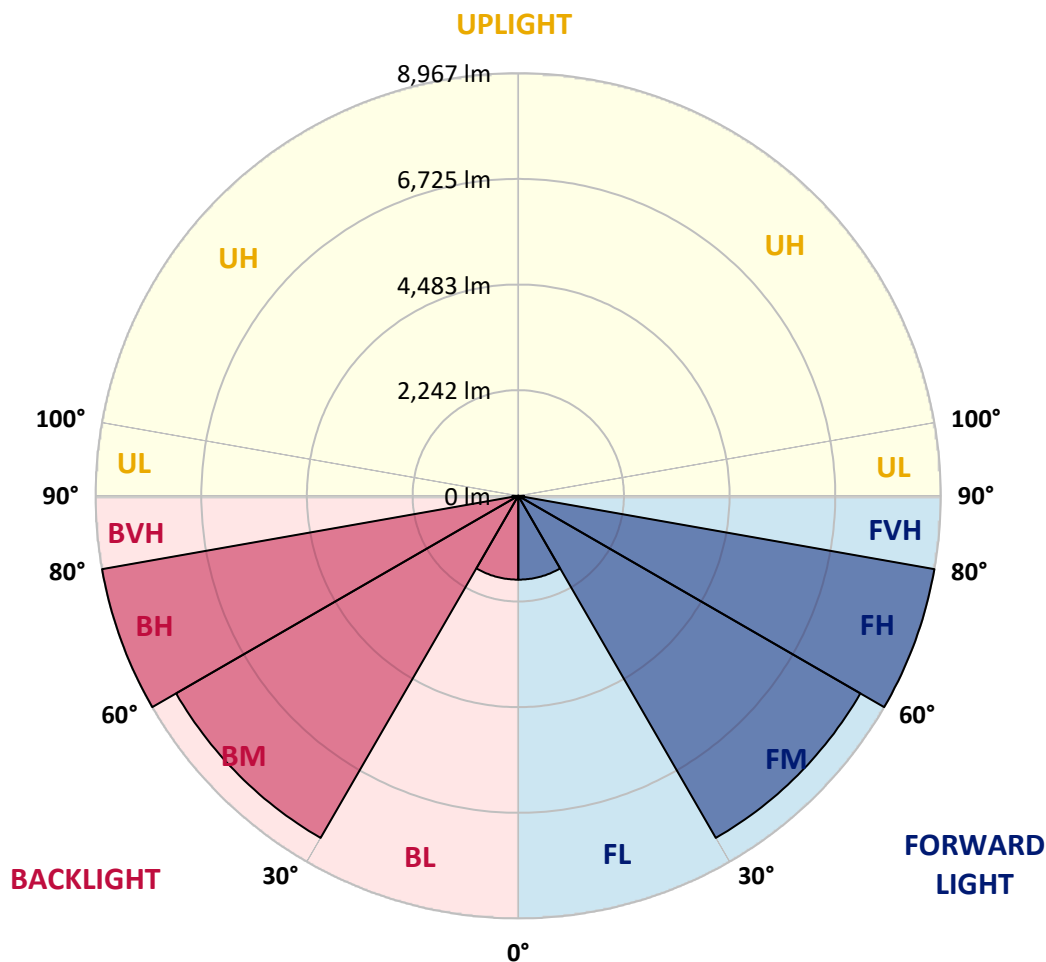
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1779.1	4.6			
FM	(30°-60°)	8382.5	21.8			
FH	(60°-80°)	8966.9	23.3			G4/12000
FVH	(80°-90°)	124.5	0.3			G2/225
BL	(0°-30°)	1779.1	4.6	B3/2500		
BM	(30°-60°)	8382.5	21.8	B4/8500		
BH	(60°-80°)	8966.9	23.3	B5		G4/12000
BVH	(80°-90°)	124.5	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°	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5
2.5°	4199.1	4195.3	4204.2	4202.9	4195.3	4196.5	4196.5	4200.4	4200.4	4197.8	4197.8
5°	4183.8	4181.2	4191.4	4191.4	4183.8	4186.3	4188.9	4192.7	4191.4	4188.9	4187.6
7.5°	4164.7	4163.4	4173.6	4173.6	4168.5	4171.0	4168.5	4169.8	4167.2	4164.7	4160.9
10°	4132.8	4135.4	4144.3	4146.8	4146.8	4148.1	4145.6	4139.2	4135.4	4131.5	4127.7
12.5°	4103.5	4102.2	4115.0	4121.3	4131.5	4143.0	4135.4	4117.5	4109.9	4102.2	4099.7
15°	4084.4	4085.7	4098.4	4109.9	4127.7	4151.9	4143.0	4115.0	4099.7	4090.8	4088.2
17.5°	4080.6	4083.1	4099.7	4120.1	4139.2	4165.9	4160.9	4132.8	4107.3	4090.8	4086.9
20°	4089.5	4090.8	4116.2	4145.6	4178.7	4204.2	4192.7	4162.1	4127.7	4102.2	4095.9
22.5°	4106.1	4111.2	4143.0	4188.9	4239.9	4274.3	4260.3	4208.0	4154.5	4122.6	4113.7
25°	4158.3	4159.6	4202.9	4265.4	4326.5	4366.0	4349.5	4275.5	4206.7	4171.0	4159.6
27.5°	4266.6	4270.4	4313.8	4386.4	4438.7	4464.2	4454.0	4394.1	4335.4	4297.2	4301.0
30°	4423.4	4428.5	4476.9	4557.2	4589.0	4595.4	4592.9	4564.8	4511.3	4460.3	4464.2
32.5°	4614.5	4617.1	4682.1	4754.7	4780.2	4785.3	4780.2	4754.7	4691.0	4622.2	4626.0
35°	4860.5	4868.1	4930.6	5000.7	5021.1	5031.3	5022.3	4989.2	4922.9	4855.4	4852.8
37.5°	5163.8	5165.1	5230.1	5302.7	5328.2	5330.7	5320.5	5298.9	5216.0	5154.9	5151.0
40°	5515.5	5520.6	5597.1	5674.8	5685.0	5673.5	5687.6	5674.8	5589.4	5519.3	5530.8
42.5°	5943.7	5955.2	6046.9	6123.4	6094.1	6087.7	6096.6	6100.5	6031.6	5946.3	5938.6
45°	6442.0	6452.2	6566.9	6628.1	6608.9	6566.9	6584.7	6615.3	6519.7	6414.0	6424.2
47.5°	7010.4	7035.9	7158.2	7215.5	7168.4	7111.0	7145.4	7191.3	7079.2	6947.9	6941.5
50°	7642.5	7674.3	7837.4	7917.7	7870.6	7764.8	7822.1	7852.7	7690.9	7521.4	7507.4
52.5°	8316.6	8348.5	8553.6	8719.3	8688.7	8524.3	8604.6	8572.8	8386.7	8158.6	8140.7
55°	9080.0	9092.7	9314.4	9582.1	9612.6	9491.6	9486.5	9434.2	9159.0	8895.2	8882.4
57.5°	9865.0	9873.9	10160.6	10476.7	10620.7	10620.7	10478.0	10367.1	10001.3	9695.5	9663.6
60°	10712.4	10744.3	11061.6	11491.1	11827.5	11926.9	11674.6	11372.6	10975.0	10601.6	10564.6
62.5°	11466.9	11503.8	11989.4	12629.1	13169.4	13531.4	12914.6	12422.7	11698.8	11099.9	11029.8
65°	11562.5	11661.9	12369.1	13527.5	14736.9	15459.5	14276.9	13064.9	11746.0	10913.8	10842.4
67.5°	10559.5	10727.7	11683.5	13486.8	15985.8	17536.7	15147.3	12697.9	10899.8	9979.7	9900.7
70°	8114.0	8358.7	9461.0	11796.9	15770.5	18205.8	14601.8	11116.4	9087.6	8097.4	7986.5
72.5°	4451.4	4552.1	5543.6	8078.3	12643.1	15471.0	12179.3	8219.8	6026.5	4903.8	4717.8
75°	1412.0	1447.7	1952.4	3305.7	7151.8	10247.3	7736.8	4034.7	2221.2	1637.6	1618.5
77.5°	627.0	630.8	706.0	964.7	2463.4	5191.8	2959.1	1098.5	757.0	661.4	683.1
80°	396.3	396.3	437.1	477.9	670.3	1507.6	800.3	522.5	446.0	414.2	423.1
82.5°	189.9	210.3	284.2	305.9	368.3	507.2	410.4	341.5	298.2	221.7	206.4
85°	124.9	104.5	179.7	202.6	214.1	243.4	238.3	225.6	195.0	110.9	123.6
87.5°	56.1	53.5	93.0	85.4	80.3	61.2	91.8	113.4	109.6	54.8	54.8
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)