

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: P317034

Luminaire Tested: **GAN-SA0A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317034
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-SA0A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39431 lumens
Efficiency: N/A
Efficacy: 122.1 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): 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

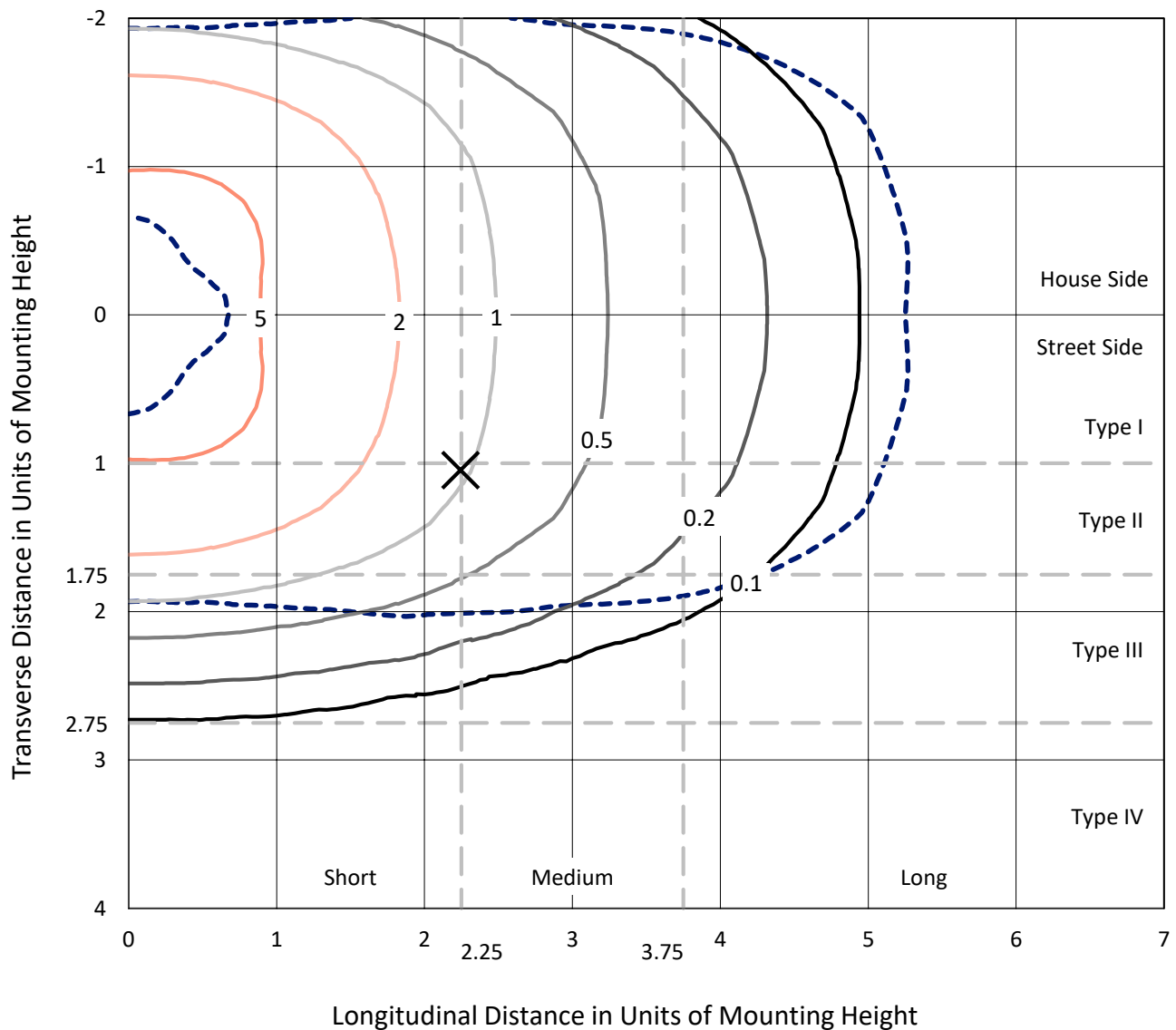


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Iso-Footcandle Lines of Horizontal Illumination

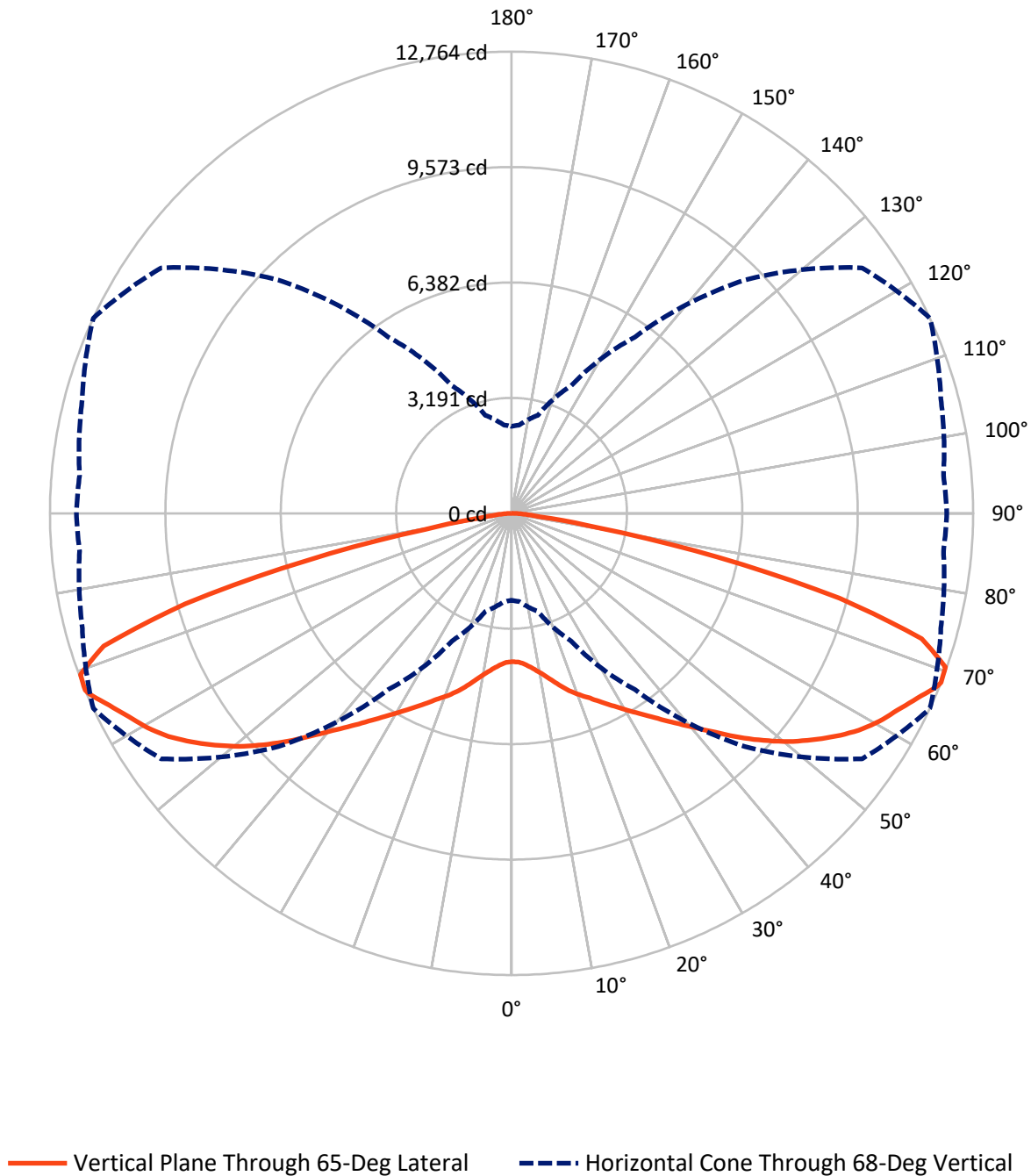
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19715.5	0.0	19715.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19715.5	0.0	19715.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39431.0	0.0	39431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.4	1.0
10°-20°	1344.1	3.4
20°-30°	2620.6	6.6
30°-40°	4402.4	11.2
40°-50°	6936.7	17.6
50°-60°	9276.6	23.5
60°-70°	9018.1	22.9
70°-80°	4929.7	12.5
80°-90°	501.4	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°	39431.0	100.0
0°-180°	39431.0	100.0

Coefficient of Utilization



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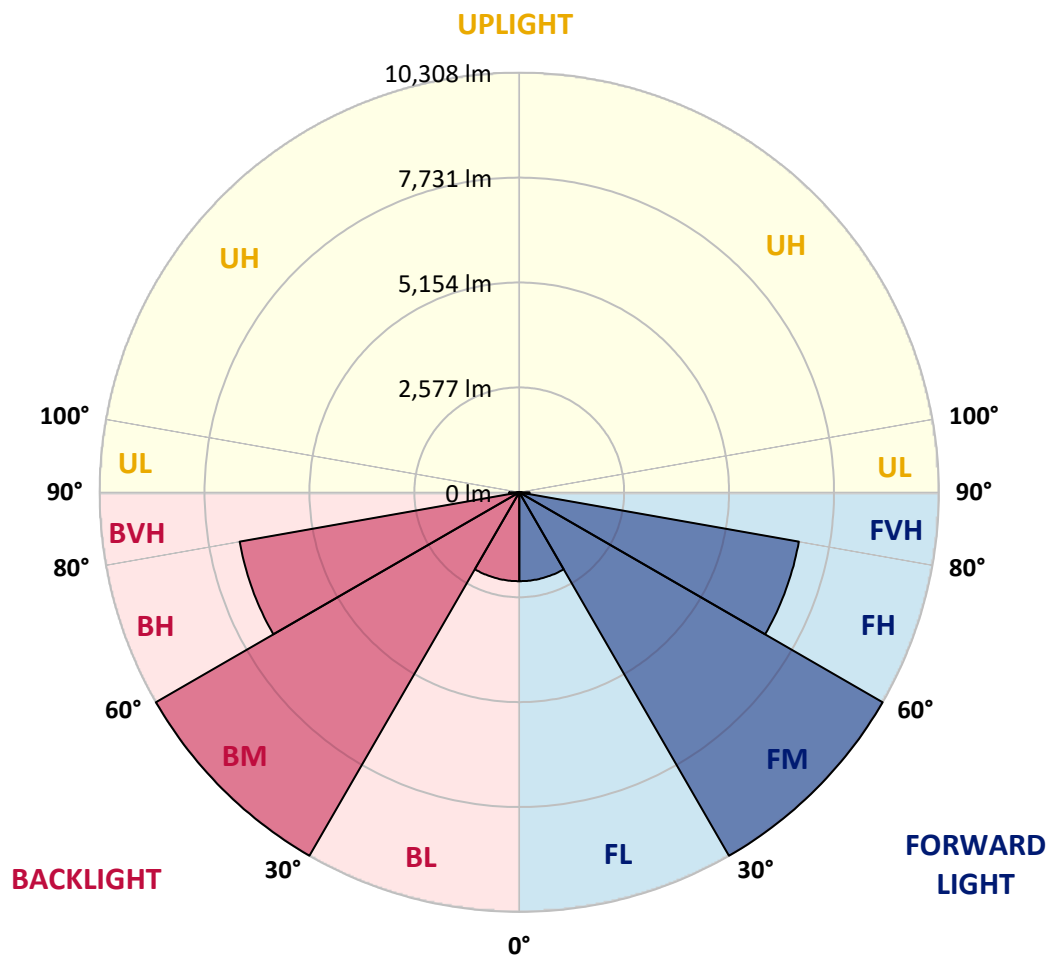
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2183.0	5.5			
FM	(30°-60°)	10307.9	26.1			
FH	(60°-80°)	6973.9	17.7			G3/7500
FVH	(80°-90°)	250.7	0.6			G3/500
BL	(0°-30°)	2183.0	5.5	B3/2500		
BM	(30°-60°)	10307.9	26.1	B5		
BH	(60°-80°)	6973.9	17.7	B5		G5
BVH	(80°-90°)	250.7	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°	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9	4099.9
2.5°	4070.8	4072.1	4078.7	4086.7	4093.3	4110.5	4114.4	4121.1	4123.7	4130.3	4130.3
5°	4035.1	4037.8	4053.6	4074.8	4098.6	4140.9	4171.3	4205.7	4222.9	4241.4	4240.0
7.5°	4031.1	4037.8	4060.2	4094.6	4134.3	4204.3	4267.8	4336.6	4382.8	4425.1	4422.5
10°	4072.1	4082.7	4114.4	4166.0	4225.5	4312.8	4406.6	4499.2	4579.8	4644.6	4647.3
12.5°	4134.3	4147.5	4197.7	4275.7	4365.6	4478.0	4589.1	4693.5	4804.6	4901.1	4909.0
15°	4216.2	4233.4	4308.8	4425.1	4562.6	4696.2	4815.2	4922.3	5050.5	5184.0	5197.3
17.5°	4337.9	4361.7	4460.8	4618.2	4799.3	4946.1	5070.3	5151.0	5258.1	5395.6	5420.7
20°	4523.0	4553.4	4679.0	4866.7	5087.5	5240.9	5336.1	5353.3	5406.2	5529.1	5558.2
22.5°	4763.6	4790.0	4930.2	5153.6	5400.9	5567.5	5617.7	5548.9	5543.7	5642.8	5670.6
25°	5032.0	5055.8	5218.4	5469.6	5735.4	5919.1	5917.8	5784.3	5691.7	5768.4	5797.5
27.5°	5333.4	5370.5	5526.5	5790.9	6075.1	6256.3	6245.7	6039.4	5863.6	5883.4	5908.6
30°	5679.8	5720.8	5872.9	6141.3	6425.5	6602.7	6589.4	6317.1	6052.7	5999.8	6018.3
32.5°	6109.5	6158.4	6302.5	6567.0	6818.2	6978.2	6939.8	6618.5	6280.1	6165.0	6182.2
35°	6626.5	6655.6	6807.6	7068.1	7271.7	7381.4	7300.8	6967.6	6568.3	6429.5	6429.5
37.5°	7150.0	7172.5	7343.1	7595.6	7792.6	7850.8	7693.4	7349.7	6945.1	6748.1	6752.1
40°	7652.4	7713.3	7905.0	8164.1	8358.4	8374.3	8165.4	7786.0	7364.2	7160.6	7184.4
42.5°	8177.3	8236.8	8465.5	8759.0	8930.9	8957.4	8712.8	8275.2	7837.5	7672.3	7698.7
45°	8645.3	8692.9	8957.4	9298.5	9512.7	9581.4	9291.9	8835.7	8349.2	8187.9	8194.5
47.5°	8971.9	9034.1	9324.9	9726.8	10038.9	10144.6	9860.4	9381.8	8852.9	8657.2	8674.4
50°	9268.1	9301.1	9596.0	10034.9	10431.5	10649.7	10406.4	9921.2	9361.9	9154.4	9172.9
52.5°	9433.3	9475.6	9761.2	10218.7	10688.0	11039.7	10891.6	10406.4	9853.8	9651.5	9674.0
55°	9318.3	9350.0	9692.5	10259.7	10846.7	11280.3	11302.8	10881.1	10336.3	10159.2	10222.6
57.5°	8794.7	8834.4	9252.2	9995.2	10866.5	11443.0	11612.2	11321.3	10787.2	10643.1	10680.1
60°	7976.4	8001.5	8447.0	9282.6	10480.5	11510.4	11809.2	11680.9	11228.8	11084.7	11134.9
62.5°	6518.1	6555.1	7087.9	8207.7	9664.7	11310.7	11999.6	11978.4	11640.0	11507.7	11552.7
65°	4455.5	4520.3	5110.0	6526.0	8407.4	10699.9	12172.8	12324.8	12003.5	11836.9	11896.4
67.5°	2690.5	2738.1	3165.2	4308.8	6433.4	9467.7	11994.3	12718.8	12260.0	11991.6	12040.6
68°	2404.9	2448.6	2805.5	3888.4	5950.9	9120.0	11831.7	12763.8	12287.8	11989.0	12032.6
70°	1453.0	1482.1	1721.4	2403.6	3967.7	7234.6	10722.4	12726.7	12465.0	12026.0	12051.1
72.5°	946.6	955.9	995.6	1233.5	2026.8	4045.7	8047.7	11859.4	12730.7	12241.5	12237.5
75°	786.7	781.4	785.3	813.1	999.5	1774.3	4702.8	9368.5	12135.7	11901.7	11818.4
77.5°	665.0	661.1	659.7	661.1	669.0	856.7	2041.4	5835.8	9286.6	10528.0	10602.1
80°	538.1	532.8	550.0	542.1	518.3	532.8	855.4	2427.4	4377.5	4709.4	4413.2
82.5°	391.3	371.5	445.6	424.4	404.6	375.5	472.0	784.0	1044.5	716.6	503.7
85°	301.4	280.3	338.5	325.2	277.6	191.7	280.3	383.4	423.1	241.9	190.4
87.5°	123.0	129.6	244.6	193.0	162.6	92.5	115.0	153.4	206.3	103.1	79.3
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)