

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: P316283

Luminaire Tested: **GAN-SA9B-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316283
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-SA9B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39558 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

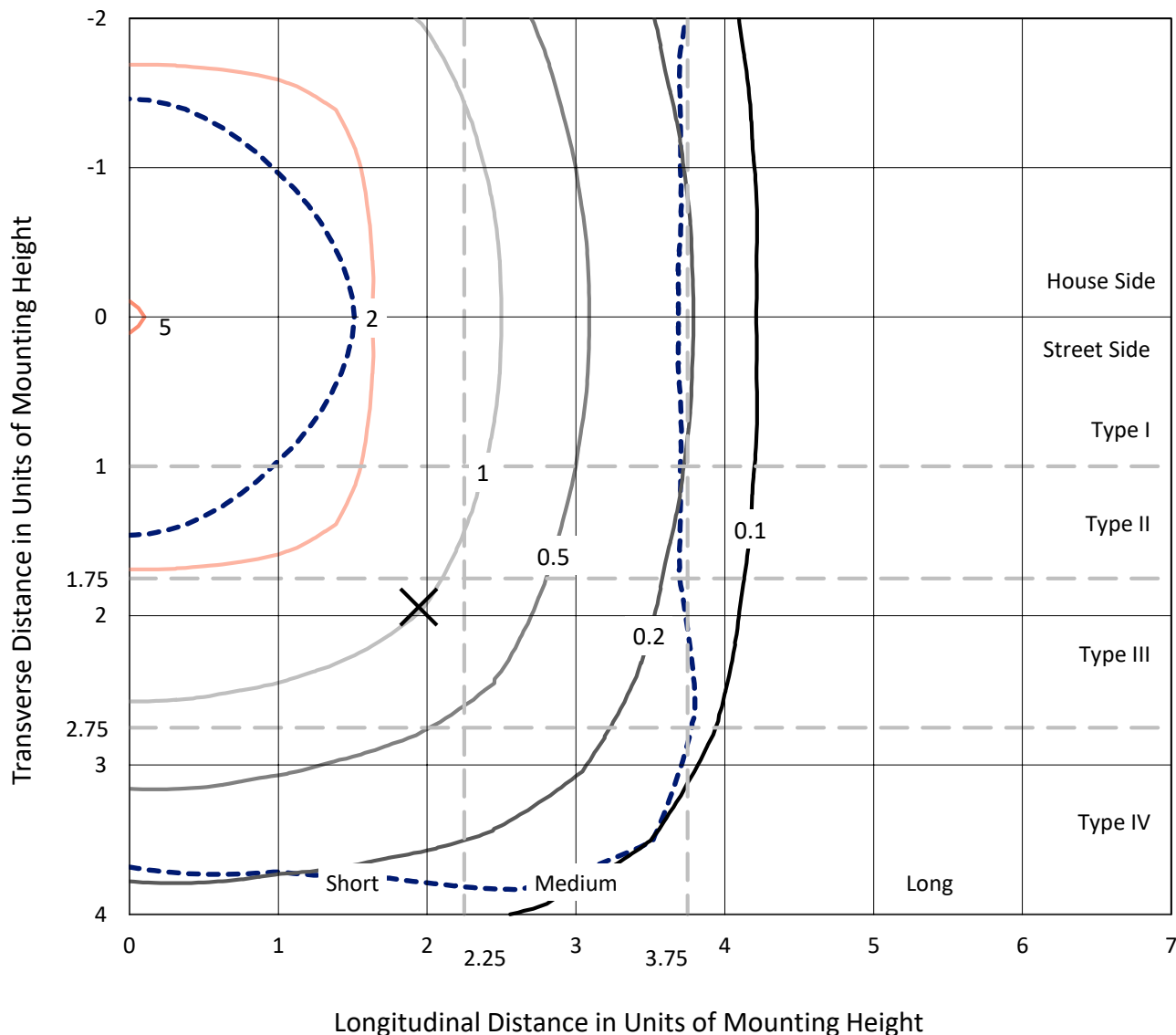
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

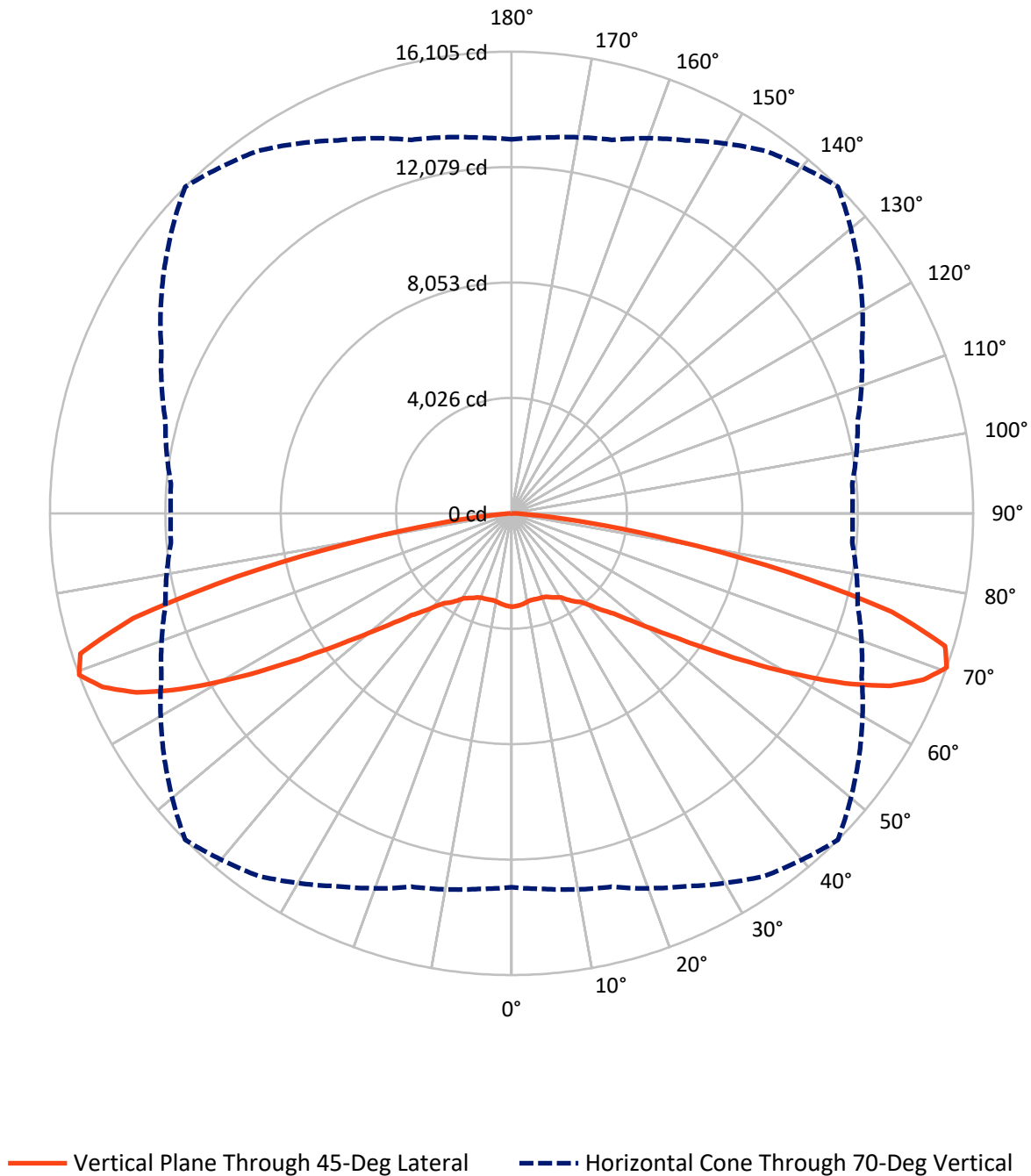
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	19779.0	0.0	19779.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19779.0	0.0	19779.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39558.0	0.0	39558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	0.8
10°-20°	887.6	2.2
20°-30°	1513.3	3.8
30°-40°	2364.6	6.0
40°-50°	4007.4	10.1
50°-60°	7307.8	18.5
60°-70°	12580.9	31.8
70°-80°	9861.4	24.9
80°-90°	731.2	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°	39558.0	100.0
0°-180°	39558.0	100.0

Coefficient of Utilization



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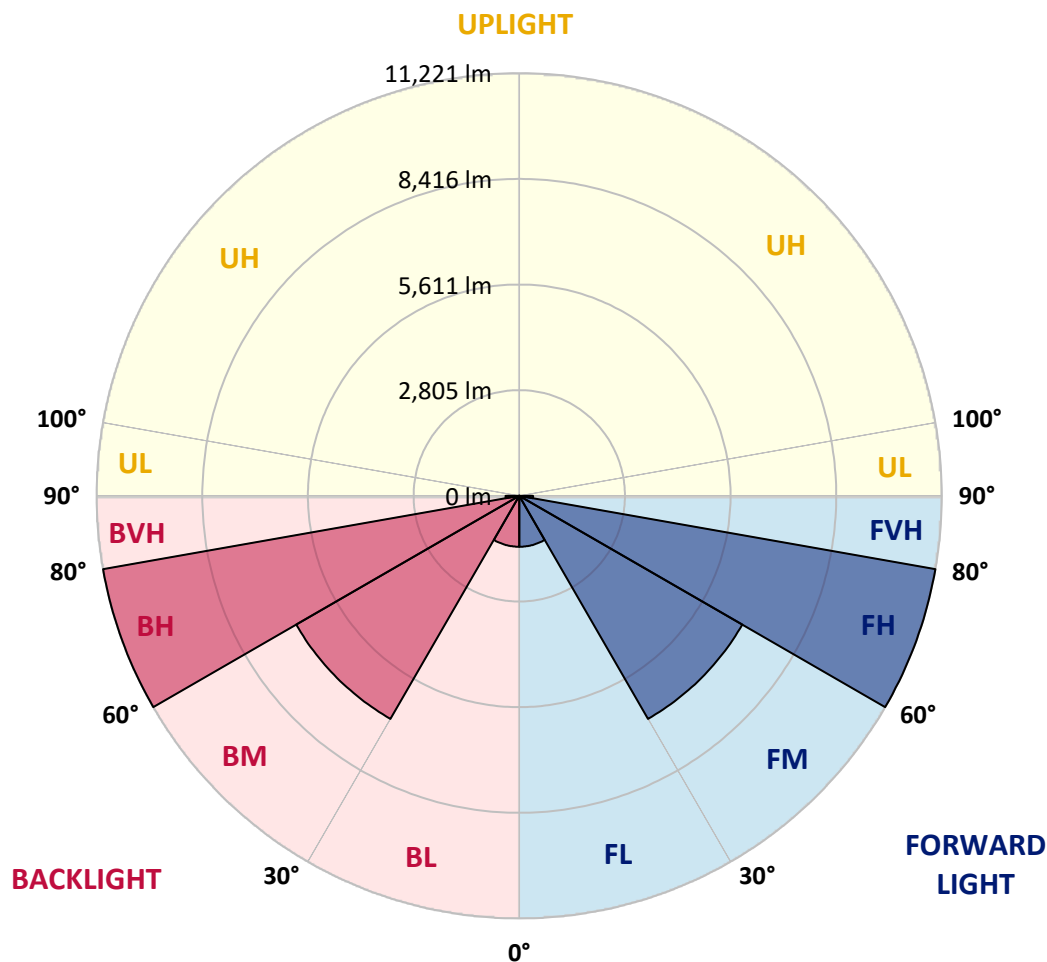
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1352.4	3.4			
FM	(30°-60°)	6839.9	17.3			
FH	(60°-80°)	11221.1	28.4			G4/12000
FVH	(80°-90°)	365.6	0.9			G3/500
BL	(0°-30°)	1352.4	3.4	B3/2500		
BM	(30°-60°)	6839.9	17.3	B4/8500		
BH	(60°-80°)	11221.1	28.4	B5		G4/12000
BVH	(80°-90°)	365.6	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6	3255.6
2.5°	3241.2	3245.2	3241.2	3243.9	3237.3	3239.9	3239.9	3239.9	3238.6	3239.9	3237.3
5°	3212.4	3215.1	3209.8	3212.4	3208.5	3212.4	3213.8	3212.4	3209.8	3211.1	3205.9
7.5°	3169.3	3171.9	3168.0	3171.9	3166.6	3173.2	3171.9	3168.0	3164.0	3164.0	3158.8
10°	3145.7	3147.0	3136.6	3132.6	3120.8	3123.5	3127.4	3131.3	3135.2	3143.1	3141.8
12.5°	3147.0	3147.0	3131.3	3114.3	3097.3	3101.2	3107.8	3122.2	3137.9	3152.3	3153.6
15°	3160.1	3158.8	3135.2	3107.8	3096.0	3107.8	3111.7	3120.8	3145.7	3170.6	3171.9
17.5°	3169.3	3169.3	3132.6	3101.2	3099.9	3118.2	3116.9	3120.8	3148.3	3185.0	3186.3
20°	3186.3	3186.3	3139.2	3105.1	3105.1	3124.8	3126.1	3132.6	3160.1	3200.7	3207.2
22.5°	3224.2	3225.5	3175.8	3148.3	3150.9	3162.7	3166.6	3177.1	3202.0	3246.5	3254.3
25°	3277.9	3280.5	3229.5	3213.8	3222.9	3245.2	3242.5	3250.4	3277.9	3321.1	3328.9
27.5°	3352.5	3345.9	3298.8	3292.3	3301.4	3317.1	3315.8	3317.1	3339.4	3378.6	3387.8
30°	3449.3	3446.7	3412.7	3416.6	3412.7	3407.4	3408.7	3419.2	3431.0	3462.4	3471.5
32.5°	3543.5	3546.1	3525.2	3544.8	3573.6	3593.2	3563.1	3534.3	3521.3	3538.3	3546.1
35°	3713.6	3720.2	3687.4	3674.4	3713.6	3771.2	3686.1	3639.0	3665.2	3687.4	3694.0
37.5°	4002.8	4006.7	3951.8	3899.4	3870.6	3925.6	3840.5	3844.5	3936.1	3977.9	3976.6
40°	4332.6	4333.9	4297.2	4251.4	4201.7	4214.8	4180.8	4191.2	4251.4	4289.4	4299.8
42.5°	4725.1	4721.2	4663.6	4598.2	4583.8	4596.9	4539.3	4531.4	4600.8	4668.8	4670.2
45°	5234.1	5225.0	5150.4	5078.4	5009.1	4980.3	4965.9	5003.8	5099.4	5162.2	5163.5
47.5°	5782.4	5757.5	5718.3	5660.7	5600.5	5571.7	5548.2	5566.5	5635.8	5660.7	5663.3
50°	6346.4	6351.6	6359.5	6337.2	6315.0	6305.8	6244.3	6209.0	6229.9	6184.1	6177.6
52.5°	7015.0	7025.5	7101.4	7165.5	7203.5	7223.1	7106.6	6984.9	6916.9	6827.9	6801.8
55°	7804.1	7821.1	7932.3	8110.3	8293.5	8390.3	8179.6	7952.0	7741.3	7575.1	7521.4
57.5°	8683.4	8713.5	8866.6	9208.1	9583.7	9812.7	9456.8	9043.3	8636.3	8396.9	8355.0
60°	9714.5	9743.3	9955.3	10444.7	11053.2	11397.3	10858.2	10181.7	9675.3	9446.3	9369.1
62.5°	10941.9	10944.6	11205.0	11776.8	12580.2	13059.2	12329.0	11424.8	10902.7	10626.6	10552.0
65°	12262.3	12268.8	12538.4	13156.0	13986.9	14507.7	13683.3	12741.2	12102.6	11695.7	11638.1
67.5°	13195.2	13222.7	13506.7	14249.9	15027.2	15497.0	14643.8	13578.6	12840.6	12355.2	12306.7
70°	13046.1	13153.4	13487.0	14354.6	15435.4	16105.4	14799.5	13479.2	12505.6	11932.5	11891.9
72.5°	11377.7	11583.1	12028.0	13166.5	14895.0	15817.5	13950.3	12072.5	10970.7	10482.7	10409.4
75°	7747.8	8081.5	8752.8	10395.0	12725.5	13695.1	11744.1	9625.6	8589.2	7914.0	7864.3
77.5°	3454.5	3530.4	4381.0	6271.8	8781.6	9834.9	8532.9	6296.7	4726.4	3769.9	3568.4
80°	963.1	974.9	1300.7	2335.7	4395.4	5778.5	4718.6	2453.5	1379.2	972.2	916.0
82.5°	306.2	332.4	405.6	605.9	1477.3	2636.7	1516.6	654.3	465.8	371.6	335.0
85°	149.2	147.9	205.4	246.0	376.9	583.6	401.7	303.6	265.6	176.7	159.6
87.5°	62.8	64.1	95.5	86.4	109.9	94.2	129.5	136.1	142.6	78.5	68.0
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)