

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: P316408

Luminaire Tested: **GAN-SA4C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316408
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-SA4C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25065 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

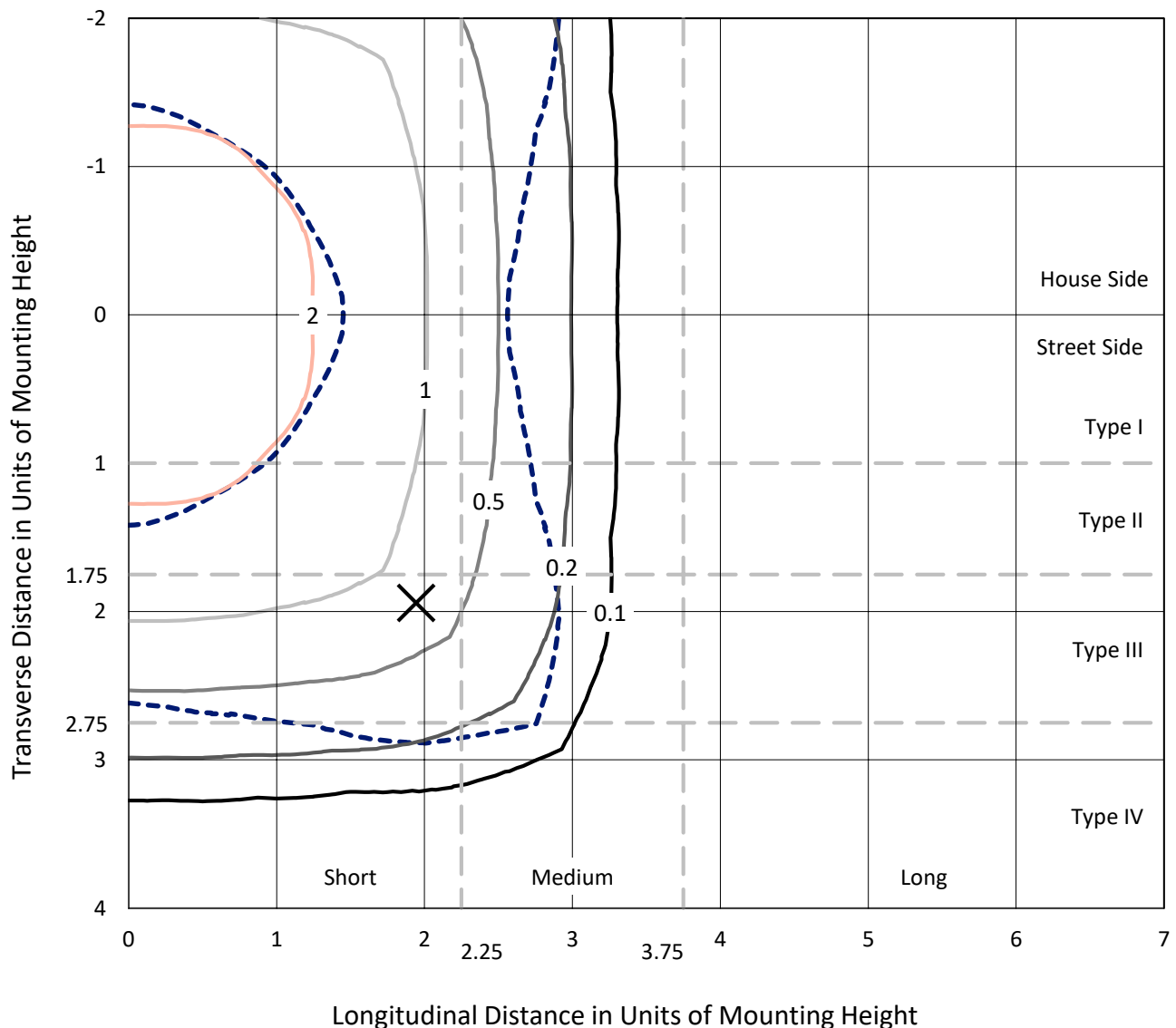
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

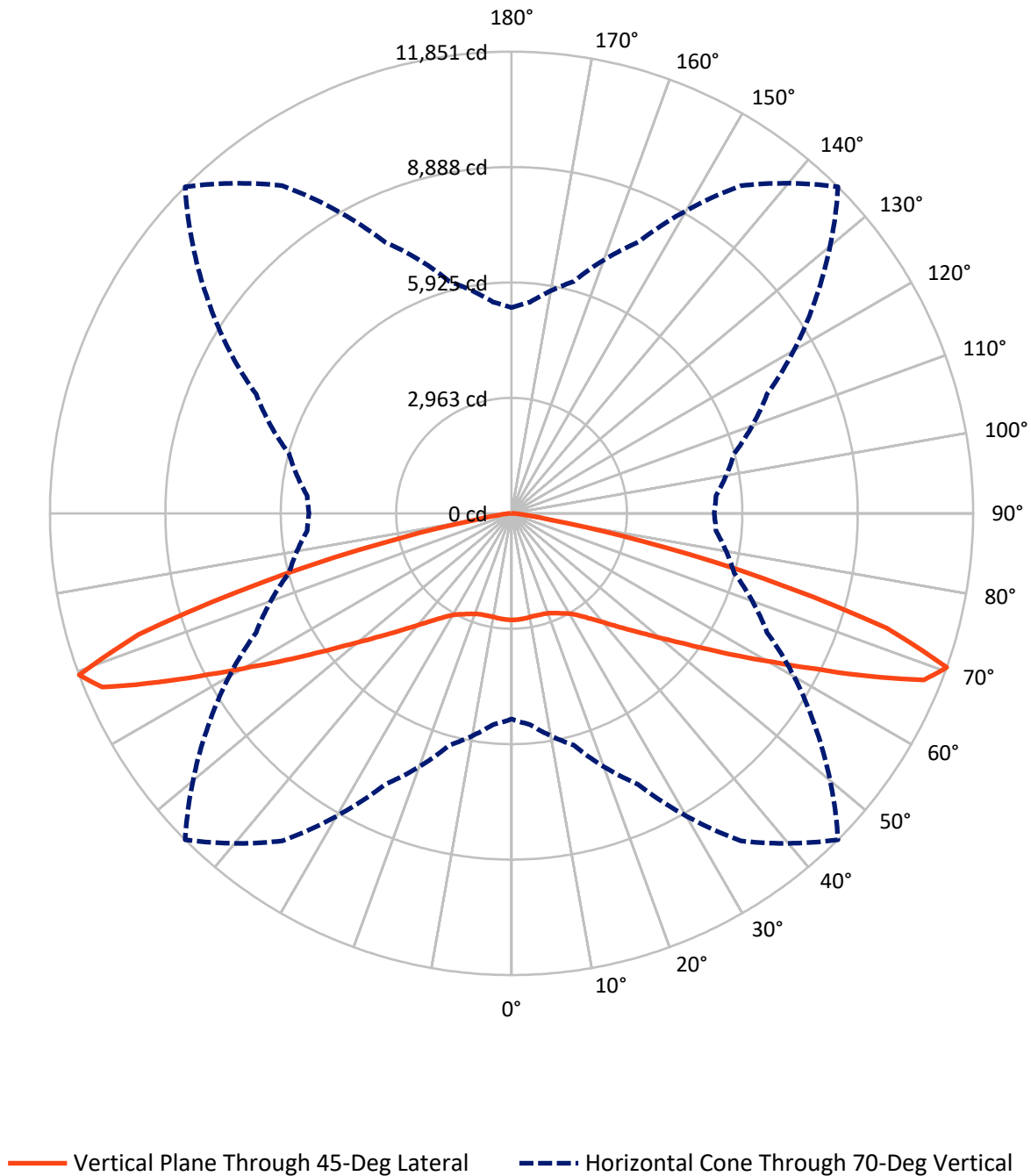
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	12532.5	0.0	12532.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12532.5	0.0	12532.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25065.0	0.0	25065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.0
10°-20°	761.1	3.0
20°-30°	1295.7	5.2
30°-40°	2055.0	8.2
40°-50°	3344.1	13.3
50°-60°	5513.8	22.0
60°-70°	8094.5	32.3
70°-80°	3579.4	14.3
80°-90°	162.1	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°	25065.0	100.0
0°-180°	25065.0	100.0

Coefficient of Utilization



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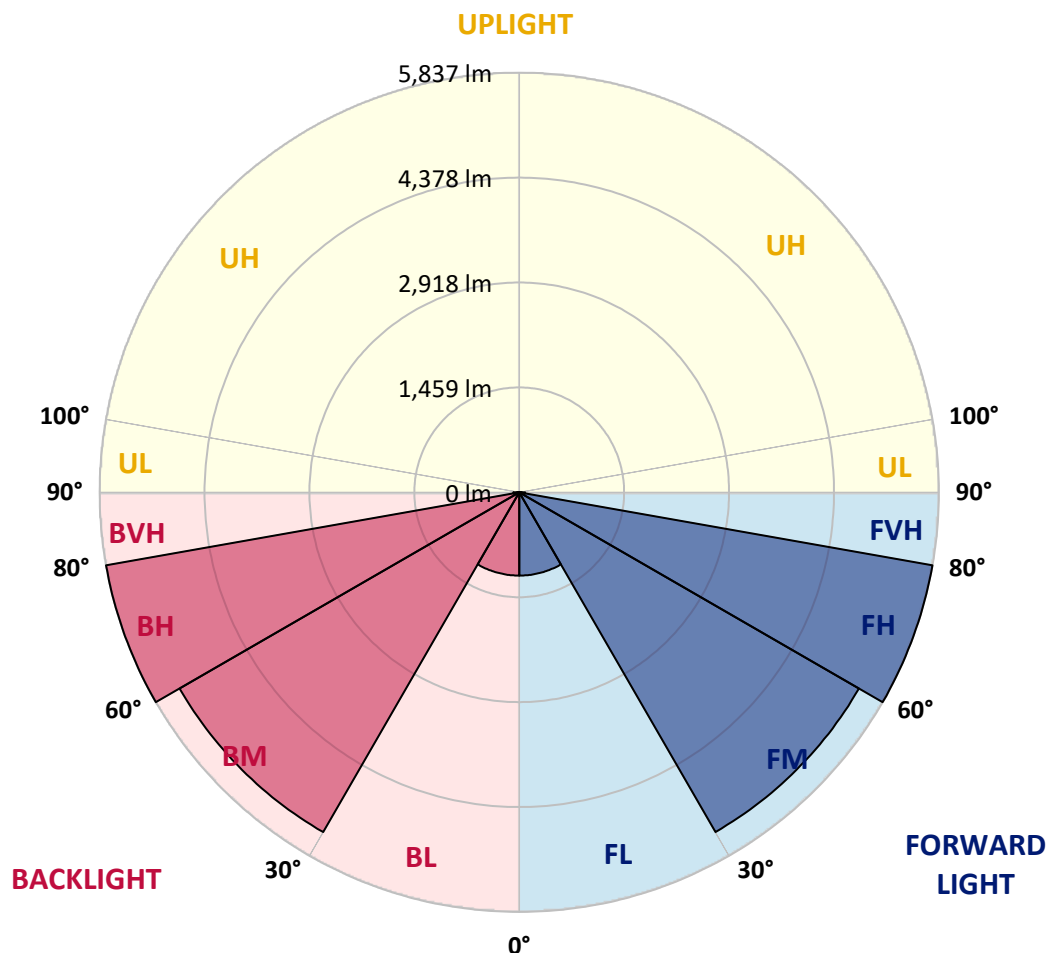
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1158.1	4.6			
FM	(30°-60°)	5456.5	21.8			
FH	(60°-80°)	5836.9	23.3			G3/7500
FVH	(80°-90°)	81.0	0.3			G1/100
BL	(0°-30°)	1158.1	4.6	B3/2500		
BM	(30°-60°)	5456.5	21.8	B4/8500		
BH	(60°-80°)	5836.9	23.3	B5		G3/7500
BVH	(80°-90°)	81.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5
2.5°	2733.3	2730.9	2736.7	2735.8	2730.9	2731.7	2731.7	2734.2	2734.2	2732.5	2732.5
5°	2723.4	2721.7	2728.4	2728.4	2723.4	2725.0	2726.7	2729.2	2728.4	2726.7	2725.9
7.5°	2710.9	2710.1	2716.7	2716.7	2713.4	2715.1	2713.4	2714.3	2712.6	2710.9	2708.5
10°	2690.2	2691.9	2697.7	2699.3	2699.3	2700.2	2698.5	2694.4	2691.9	2689.4	2686.9
12.5°	2671.1	2670.3	2678.6	2682.7	2689.4	2696.8	2691.9	2680.2	2675.3	2670.3	2668.6
15°	2658.7	2659.5	2667.8	2675.3	2686.9	2702.6	2696.8	2678.6	2668.6	2662.8	2661.2
17.5°	2656.2	2657.9	2668.6	2681.9	2694.4	2711.8	2708.5	2690.2	2673.6	2662.8	2660.3
20°	2662.0	2662.8	2679.4	2698.5	2720.1	2736.7	2729.2	2709.3	2686.9	2670.3	2666.1
22.5°	2672.8	2676.1	2696.8	2726.7	2759.9	2782.3	2773.2	2739.1	2704.3	2683.6	2677.8
25°	2706.8	2707.6	2735.8	2776.5	2816.3	2842.0	2831.2	2783.1	2738.3	2715.1	2707.6
27.5°	2777.3	2779.8	2808.0	2855.3	2889.3	2905.9	2899.2	2860.3	2822.1	2797.2	2799.7
30°	2879.3	2882.7	2914.2	2966.4	2987.2	2991.3	2989.7	2971.4	2936.6	2903.4	2905.9
32.5°	3003.8	3005.4	3047.7	3095.0	3111.6	3114.9	3111.6	3095.0	3053.5	3008.7	3011.2
35°	3163.9	3168.8	3209.5	3255.1	3268.4	3275.0	3269.2	3247.7	3204.5	3160.6	3158.9
37.5°	3361.3	3362.1	3404.4	3451.7	3468.3	3470.0	3463.3	3449.2	3395.3	3355.5	3353.0
40°	3590.3	3593.6	3643.3	3693.9	3700.6	3693.1	3702.2	3693.9	3638.4	3592.7	3600.2
42.5°	3869.0	3876.4	3936.2	3985.9	3966.9	3962.7	3968.5	3971.0	3926.2	3870.6	3865.7
45°	4193.3	4200.0	4274.6	4314.4	4302.0	4274.6	4286.2	4306.2	4243.9	4175.1	4181.7
47.5°	4563.3	4579.9	4659.5	4696.9	4666.2	4628.8	4651.2	4681.1	4608.1	4522.7	4518.5
50°	4974.8	4995.5	5101.7	5153.9	5123.3	5054.4	5091.7	5111.6	5006.3	4896.0	4886.8
52.5°	5413.6	5434.3	5567.9	5675.7	5655.8	5548.8	5601.1	5580.3	5459.2	5310.7	5299.1
55°	5910.5	5918.8	6063.1	6237.3	6257.2	6178.4	6175.1	6141.1	5961.9	5790.2	5781.9
57.5°	6421.5	6427.3	6613.9	6819.7	6913.4	6913.4	6820.5	6748.3	6510.2	6311.2	6290.4
60°	6973.1	6993.9	7200.4	7480.0	7699.0	7763.7	7599.4	7402.8	7144.0	6901.0	6876.9
62.5°	7464.2	7488.3	7804.3	8220.8	8572.5	8808.1	8406.6	8086.4	7615.2	7225.3	7179.7
65°	7526.4	7591.1	8051.5	8805.6	9592.8	10063.2	9293.4	8504.5	7645.9	7104.2	7057.7
67.5°	6873.6	6983.1	7605.2	8779.0	10405.8	11415.3	9859.9	8265.6	7095.1	6496.1	6444.7
70°	5281.7	5441.0	6158.5	7679.1	10265.6	11850.8	9504.9	7236.1	5915.5	5270.9	5198.7
72.5°	2897.6	2963.1	3608.5	5258.5	8229.9	10070.6	7927.9	5350.5	3922.9	3192.1	3071.0
75°	919.1	942.4	1270.9	2151.8	4655.4	6670.3	5036.1	2626.3	1445.9	1066.0	1053.5
77.5°	408.1	410.6	459.6	628.0	1603.5	3379.6	1926.2	715.1	492.7	430.5	444.6
80°	258.0	258.0	284.5	311.1	436.3	981.3	521.0	340.1	290.3	269.6	275.4
82.5°	123.6	136.9	185.0	199.1	239.7	330.2	267.1	222.3	194.1	144.3	134.4
85°	81.3	68.0	117.0	131.9	139.4	158.4	155.1	146.8	126.9	72.2	80.5
87.5°	36.5	34.8	60.6	55.6	52.3	39.8	59.7	73.8	71.3	35.7	35.7
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)