

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: P316258

Luminaire Tested: **GAN-SA4D-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316258
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-SA4D-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32967 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

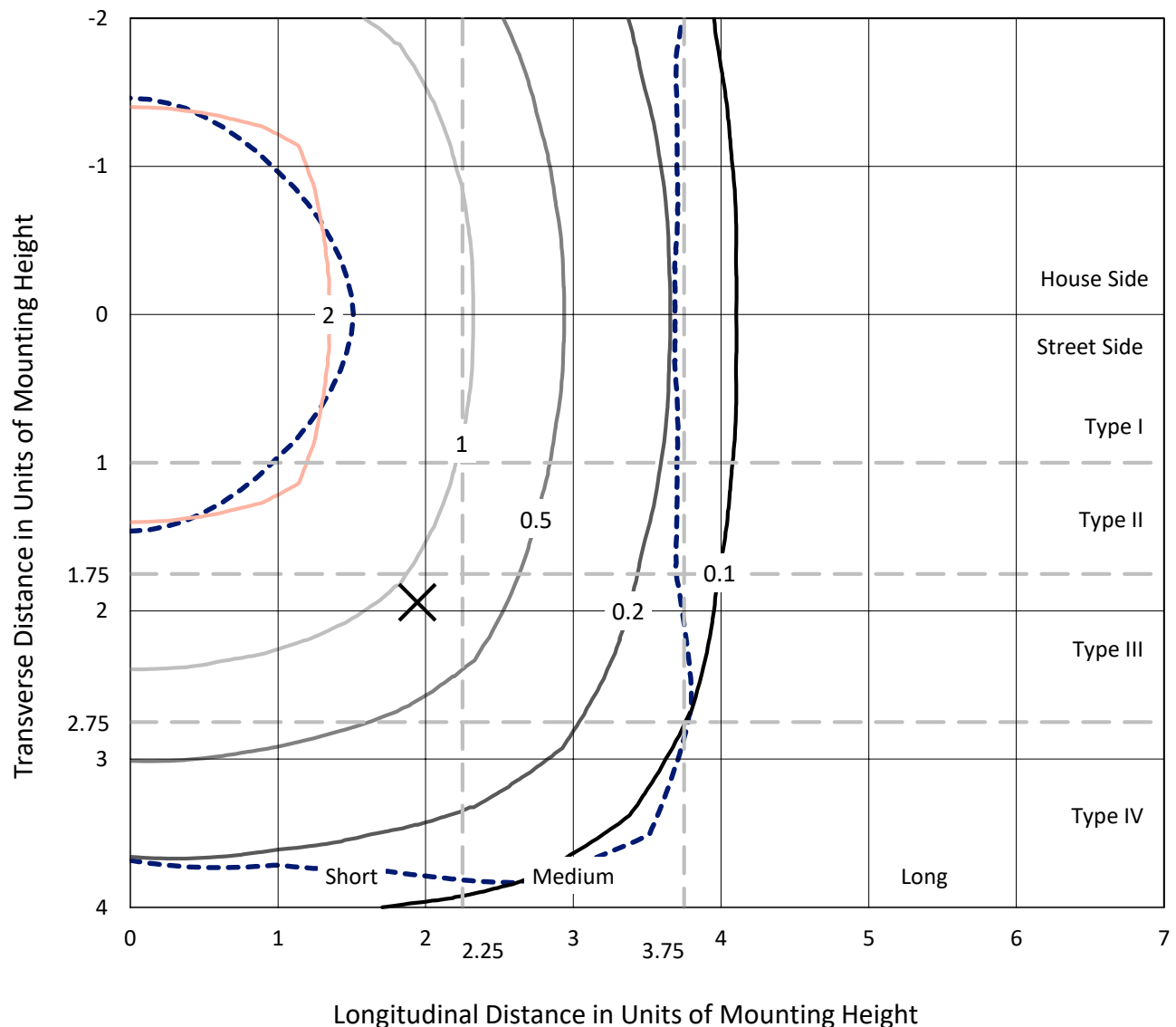
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

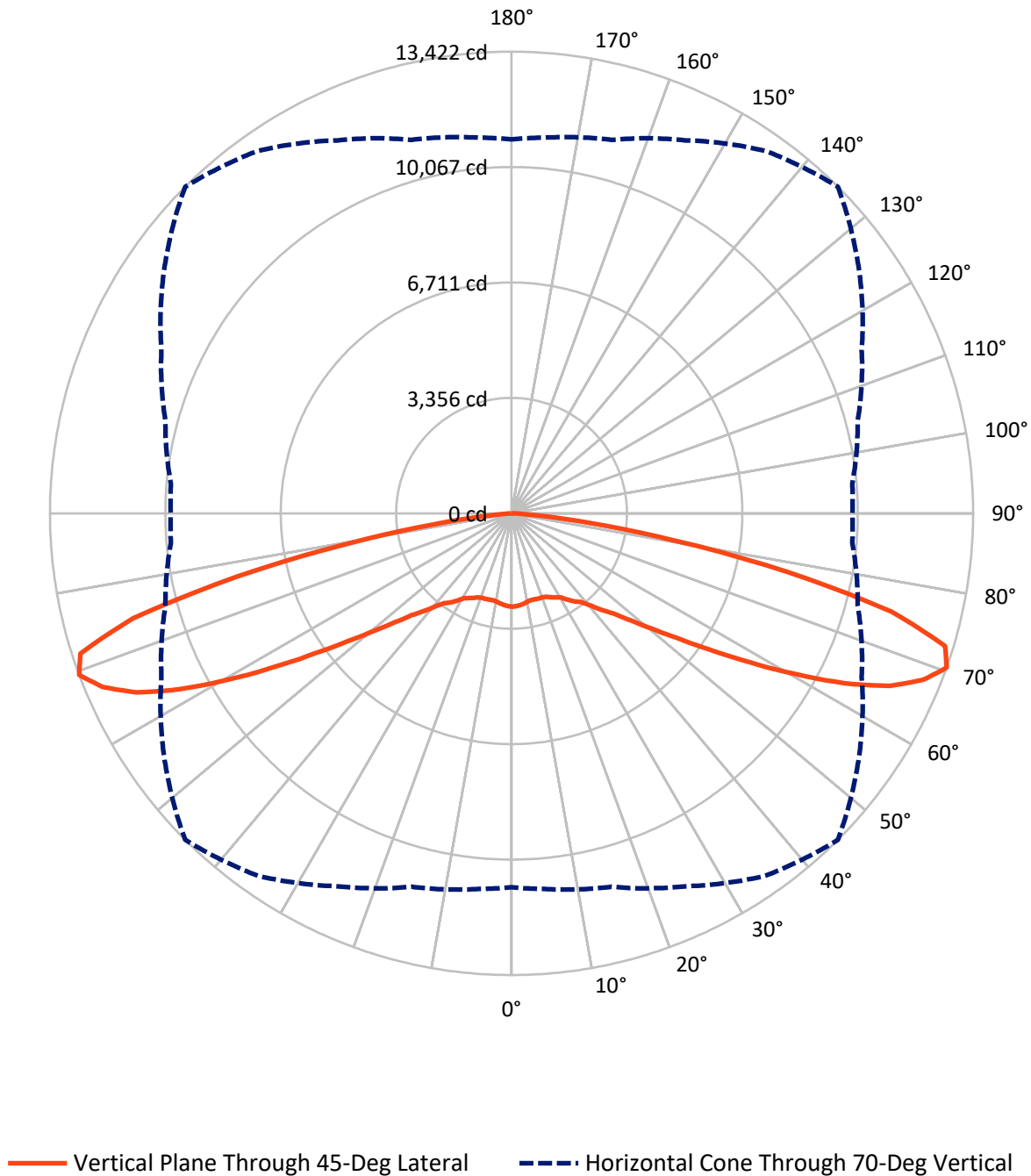
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	16483.5	0.0	16483.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16483.5	0.0	16483.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32967.0	0.0	32967.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	0.8
10°-20°	739.7	2.2
20°-30°	1261.2	3.8
30°-40°	1970.6	6.0
40°-50°	3339.7	10.1
50°-60°	6090.2	18.5
60°-70°	10484.7	31.8
70°-80°	8218.3	24.9
80°-90°	609.4	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°	32967.0	100.0
0°-180°	32967.0	100.0

Coefficient of Utilization



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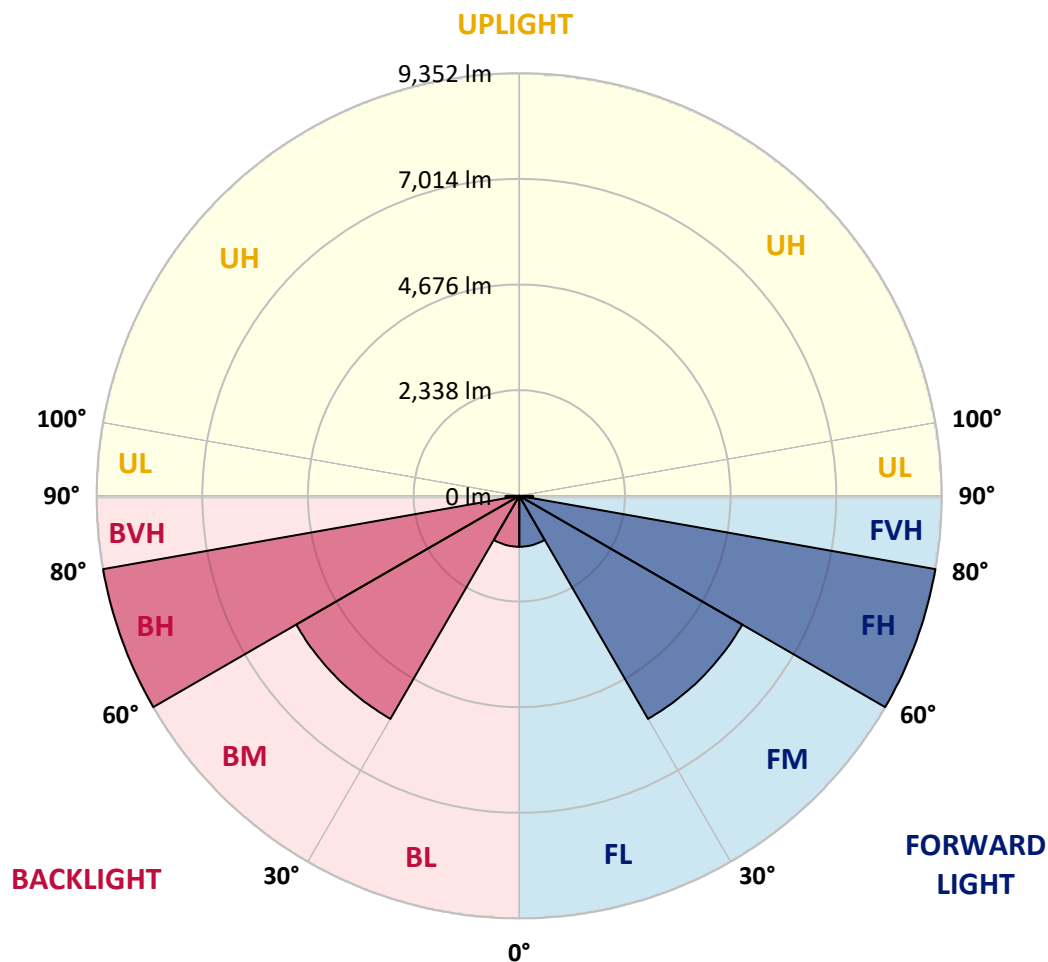
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1127.0	3.4			
FM	(30°-60°)	5700.3	17.3			
FH	(60°-80°)	9351.5	28.4			G4/12000
FVH	(80°-90°)	304.7	0.9			G3/500
BL	(0°-30°)	1127.0	3.4	B3/2500		
BM	(30°-60°)	5700.3	17.3	B4/8500		
BH	(60°-80°)	9351.5	28.4	B5		G4/12000
BVH	(80°-90°)	304.7	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°	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2
2.5°	2701.2	2704.5	2701.2	2703.4	2697.9	2700.1	2700.1	2700.1	2699.0	2700.1	2697.9
5°	2677.2	2679.4	2675.0	2677.2	2673.9	2677.2	2678.3	2677.2	2675.0	2676.1	2671.7
7.5°	2641.2	2643.4	2640.1	2643.4	2639.0	2644.5	2643.4	2640.1	2636.9	2636.9	2632.5
10°	2621.6	2622.7	2614.0	2610.7	2600.9	2603.0	2606.3	2609.6	2612.9	2619.4	2618.3
12.5°	2622.7	2622.7	2609.6	2595.4	2581.2	2584.5	2590.0	2602.0	2615.0	2627.0	2628.1
15°	2633.6	2632.5	2612.9	2590.0	2580.1	2590.0	2593.2	2600.9	2621.6	2642.3	2643.4
17.5°	2641.2	2641.2	2610.7	2584.5	2583.4	2598.7	2597.6	2600.9	2623.8	2654.3	2655.4
20°	2655.4	2655.4	2616.1	2587.8	2587.8	2604.1	2605.2	2610.7	2633.6	2667.4	2672.8
22.5°	2687.0	2688.1	2646.7	2623.8	2625.9	2635.8	2639.0	2647.8	2668.5	2705.6	2712.1
25°	2731.7	2733.9	2691.4	2678.3	2685.9	2704.5	2702.3	2708.8	2731.7	2767.7	2774.3
27.5°	2793.9	2788.4	2749.2	2743.7	2751.4	2764.4	2763.4	2764.4	2783.0	2815.7	2823.3
30°	2874.6	2872.4	2844.0	2847.3	2844.0	2839.7	2840.8	2849.5	2859.3	2885.5	2893.1
32.5°	2953.1	2955.3	2937.8	2954.2	2978.2	2994.5	2969.5	2945.5	2934.6	2948.7	2955.3
35°	3094.9	3100.3	3073.1	3062.2	3094.9	3142.8	3072.0	3032.7	3054.5	3073.1	3078.5
37.5°	3335.9	3339.1	3293.3	3249.7	3225.7	3271.5	3200.6	3203.9	3280.3	3315.2	3314.1
40°	3610.7	3611.8	3581.2	3543.1	3501.6	3512.5	3484.2	3492.9	3543.1	3574.7	3583.4
42.5°	3937.8	3934.6	3886.6	3832.1	3820.1	3831.0	3783.0	3776.4	3834.2	3890.9	3892.0
45°	4362.0	4354.4	4292.2	4232.3	4174.5	4150.5	4138.5	4170.1	4249.7	4302.1	4303.2
47.5°	4819.0	4798.2	4765.5	4717.5	4667.4	4643.4	4623.8	4639.0	4696.8	4717.5	4719.7
50°	5289.0	5293.3	5299.9	5281.3	5262.8	5255.2	5203.9	5174.5	5191.9	5153.7	5148.3
52.5°	5846.2	5854.9	5918.2	5971.6	6003.3	6019.6	5922.6	5821.1	5764.4	5690.3	5668.5
55°	6503.8	6518.0	6610.7	6759.0	6911.7	6992.3	6816.8	6627.0	6451.5	6313.0	6268.3
57.5°	7236.6	7261.7	7389.3	7673.9	7986.9	8177.7	7881.1	7536.5	7197.4	6997.8	6962.9
60°	8095.9	8119.9	8296.6	8704.4	9211.5	9498.3	9049.1	8485.3	8063.2	7872.4	7808.1
62.5°	9118.8	9121.0	9338.0	9814.6	10484.2	10883.3	10274.8	9521.2	9086.1	8856.0	8793.9
65°	10219.2	10224.6	10449.3	10964.0	11656.5	12090.5	11403.5	10618.3	10086.1	9747.0	9699.0
67.5°	10996.7	11019.6	11256.2	11875.7	12523.4	12914.9	12203.9	11316.2	10701.2	10296.6	10256.2
70°	10872.4	10961.8	11239.9	11962.9	12863.7	13422.0	12333.7	11233.3	10422.0	9944.4	9910.6
72.5°	9482.0	9653.2	10024.0	10972.7	12413.3	13182.1	11625.9	10061.0	9142.8	8736.1	8675.0
75°	6456.9	6735.0	7294.4	8663.0	10605.2	11413.3	9787.3	8021.8	7158.1	6595.4	6554.0
77.5°	2878.9	2942.2	3651.0	5226.8	7318.4	8196.3	7111.2	5247.5	3938.9	3141.8	2973.8
80°	802.6	812.4	1084.0	1946.6	3663.0	4815.7	3932.4	2044.7	1149.4	810.2	763.4
82.5°	255.2	277.0	338.1	504.9	1231.2	2197.4	1263.9	545.3	388.2	309.7	279.2
85°	124.3	123.2	171.2	205.0	314.1	486.4	334.8	253.0	221.4	147.2	133.0
87.5°	52.3	53.4	79.6	72.0	91.6	78.5	108.0	113.4	118.9	65.4	56.7
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)