

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: P316191

Luminaire Tested: **GAN-SA7A-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316191  
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-SA7A-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34720 lumens  
Efficiency: N/A  
Efficacy: 153.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

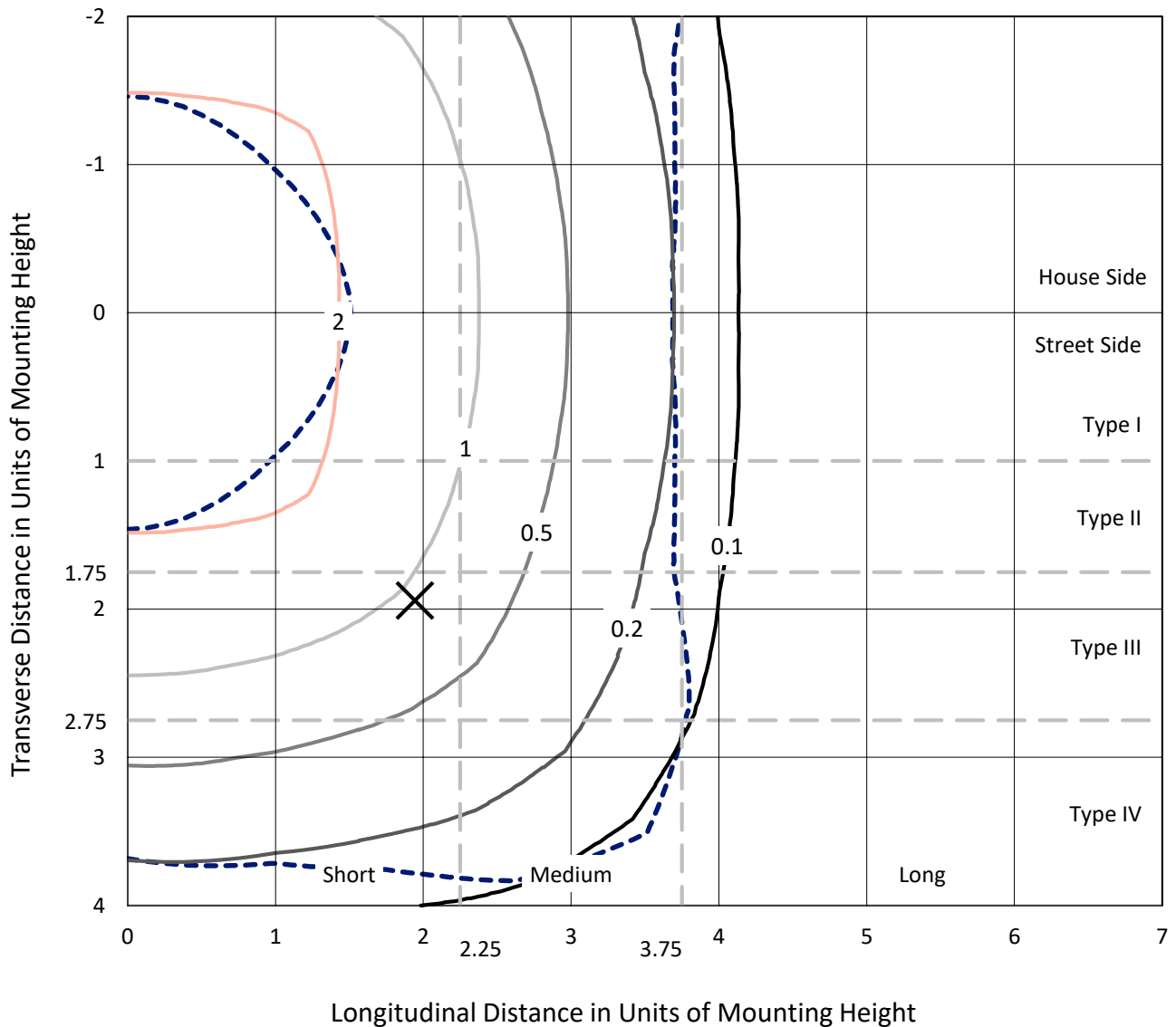
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

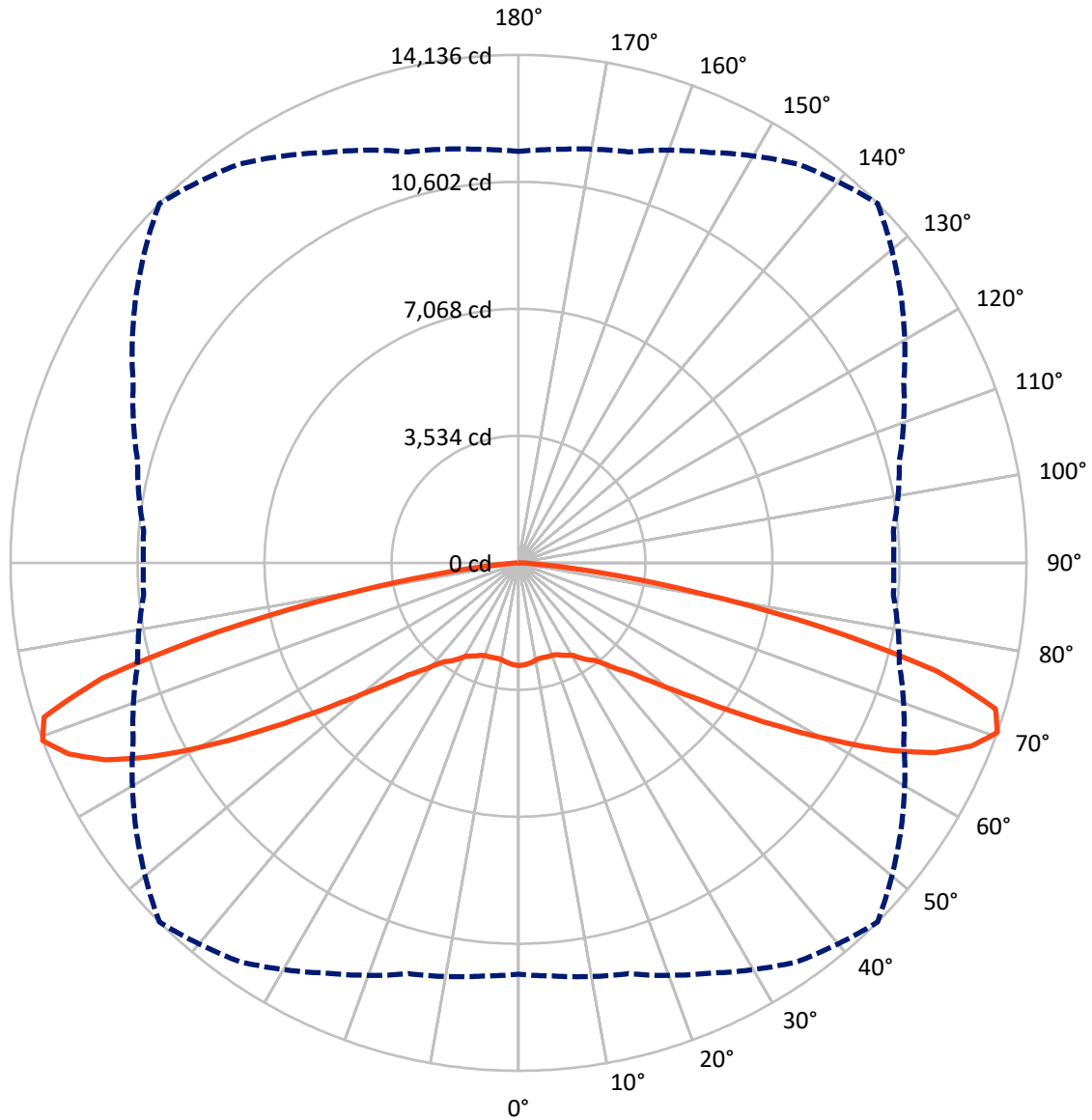
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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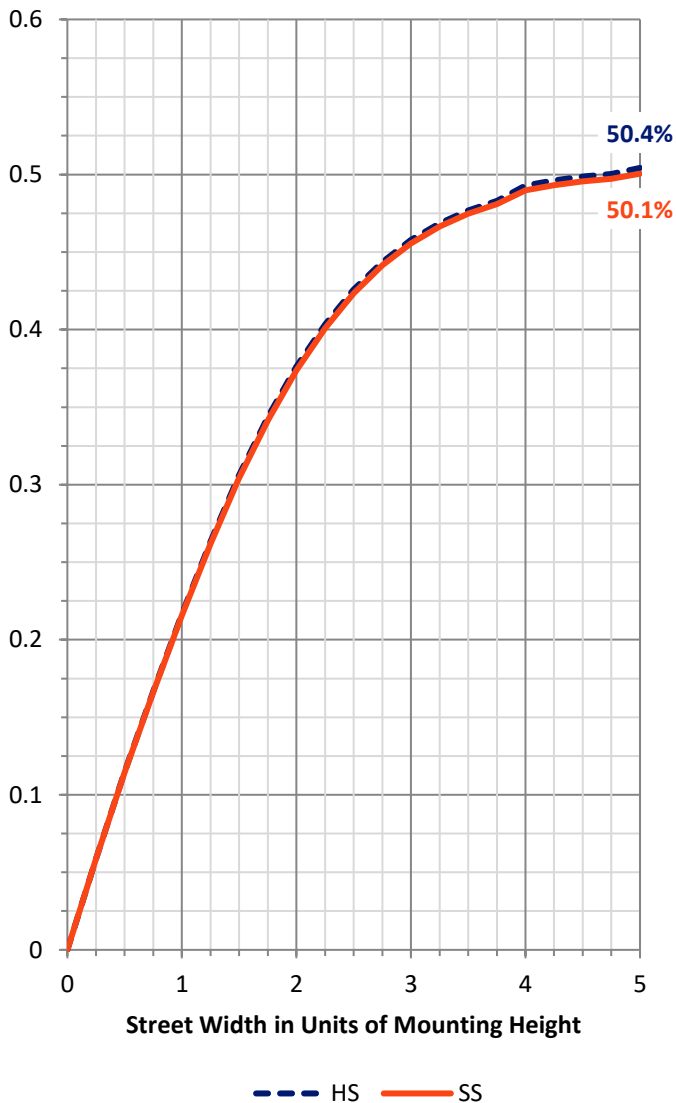
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17360.0	0.0	17360.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17360.0	0.0	17360.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34720.0	0.0	34720.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.7	0.8
10°-20°	779.0	2.2
20°-30°	1328.2	3.8
30°-40°	2075.4	6.0
40°-50°	3517.3	10.1
50°-60°	6414.1	18.5
60°-70°	11042.2	31.8
70°-80°	8655.3	24.9
80°-90°	641.8	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°	34720.0	100.0
0°-180°	34720.0	100.0

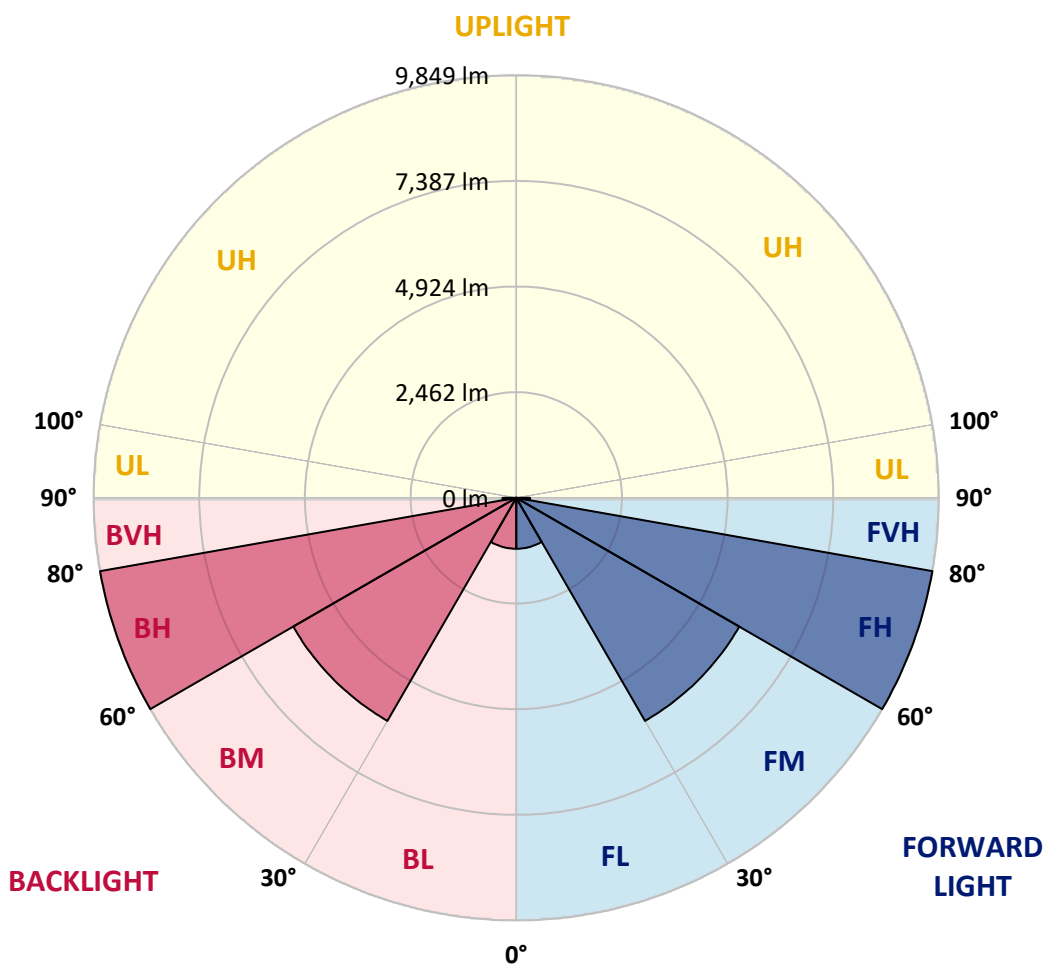


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.0	3.4			
FM (30°-60°)	6003.4	17.3			
FH (60°-80°)	9848.8	28.4			G4/12000
FVH (80°-90°)	320.9	0.9			G3/500
BL (0°-30°)	1187.0	3.4	B3/2500		
BM (30°-60°)	6003.4	17.3	B4/8500		
BH (60°-80°)	9848.8	28.4	B5		G4/12000
BVH (80°-90°)	320.9	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°	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5	2857.5
2.5°	2844.8	2848.3	2844.8	2847.1	2841.4	2843.7	2843.7	2843.7	2842.5	2843.7	2841.4
5°	2819.6	2821.9	2817.3	2819.6	2816.1	2819.6	2820.7	2819.6	2817.3	2818.4	2813.8
7.5°	2781.7	2784.0	2780.5	2784.0	2779.4	2785.1	2784.0	2780.5	2777.1	2777.1	2772.5
10°	2761.0	2762.1	2752.9	2749.5	2739.2	2741.5	2744.9	2748.4	2751.8	2758.7	2757.5
12.5°	2762.1	2762.1	2748.4	2733.4	2718.5	2721.9	2727.7	2740.3	2754.1	2766.7	2767.9
15°	2773.6	2772.5	2751.8	2727.7	2717.3	2727.7	2731.1	2739.2	2761.0	2782.8	2784.0
17.5°	2781.7	2781.7	2749.5	2721.9	2720.8	2736.9	2735.7	2739.2	2763.3	2795.4	2796.6
20°	2796.6	2796.6	2755.2	2725.4	2725.4	2742.6	2743.8	2749.5	2773.6	2809.2	2815.0
22.5°	2829.9	2831.0	2787.4	2763.3	2765.6	2775.9	2779.4	2788.6	2810.4	2849.4	2856.3
25°	2877.0	2879.3	2834.5	2820.7	2828.7	2848.3	2846.0	2852.9	2877.0	2914.9	2921.8
27.5°	2942.4	2936.7	2895.4	2889.6	2897.7	2911.4	2910.3	2911.4	2931.0	2965.4	2973.5
30°	3027.4	3025.1	2995.3	2998.7	2995.3	2990.7	2991.8	3001.0	3011.4	3038.9	3047.0
32.5°	3110.1	3112.4	3094.1	3111.3	3136.5	3153.8	3127.4	3102.1	3090.6	3105.5	3112.4
35°	3259.4	3265.2	3236.5	3225.0	3259.4	3310.0	3235.3	3194.0	3216.9	3236.5	3242.2
37.5°	3513.3	3516.7	3468.5	3422.5	3397.3	3445.5	3370.8	3374.3	3454.7	3491.4	3490.3
40°	3802.7	3803.8	3771.7	3731.5	3687.8	3699.3	3669.4	3678.6	3731.5	3764.8	3774.0
42.5°	4147.2	4143.8	4093.2	4035.8	4023.2	4034.7	3984.1	3977.2	4038.1	4097.8	4099.0
45°	4594.0	4585.9	4520.5	4457.3	4396.4	4371.2	4358.5	4391.9	4475.7	4530.8	4532.0
47.5°	5075.2	5053.4	5018.9	4968.4	4915.6	4890.3	4869.6	4885.7	4946.6	4968.4	4970.7
50°	5570.2	5574.8	5581.7	5562.2	5542.6	5534.6	5480.6	5449.6	5468.0	5427.8	5422.1
52.5°	6157.1	6166.3	6232.9	6289.2	6322.5	6339.7	6237.5	6130.7	6071.0	5992.9	5969.9
55°	6849.6	6864.6	6962.2	7118.4	7279.2	7364.2	7179.3	6979.4	6794.5	6648.6	6601.6
57.5°	7621.4	7647.8	7782.2	8082.0	8411.6	8612.6	8300.2	7937.3	7580.1	7369.9	7333.2
60°	8526.4	8551.7	8737.8	9167.3	9701.4	10003.4	9530.2	8936.5	8492.0	8291.0	8223.2
62.5°	9603.7	9606.0	9834.6	10336.5	11041.7	11462.0	10821.1	10027.5	9569.3	9326.9	9261.5
65°	10762.6	10768.3	11004.9	11547.0	12276.3	12733.4	12009.8	11182.9	10622.4	10265.3	10214.7
67.5°	11581.4	11605.6	11854.8	12507.1	13189.3	13601.7	12852.8	11918.0	11270.2	10844.1	10801.6
70°	11450.5	11544.7	11837.6	12599.0	13547.7	14135.7	12989.5	11830.7	10976.2	10473.1	10437.5
72.5°	9986.2	10166.5	10557.0	11556.2	13073.3	13883.0	12244.1	10596.0	9629.0	9200.6	9136.3
75°	6800.3	7093.1	7682.3	9123.7	11169.1	12020.2	10307.8	8448.3	7538.7	6946.1	6902.5
77.5°	3032.0	3098.6	3845.2	5504.7	7707.6	8632.1	7489.3	5526.6	4148.4	3308.8	3132.0
80°	845.3	855.6	1141.6	2050.1	3857.8	5071.8	4141.5	2153.4	1210.5	853.3	803.9
82.5°	268.7	291.7	356.0	531.8	1296.7	2314.2	1331.1	574.2	408.9	326.2	294.0
85°	130.9	129.8	180.3	215.9	330.8	512.2	352.6	266.5	233.1	155.0	140.1
87.5°	55.1	56.3	83.8	75.8	96.5	82.7	113.7	119.4	125.2	68.9	59.7
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)