

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: P317137

Luminaire Tested: **GAN-SA3D-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317137  
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-SA3D-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24215 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

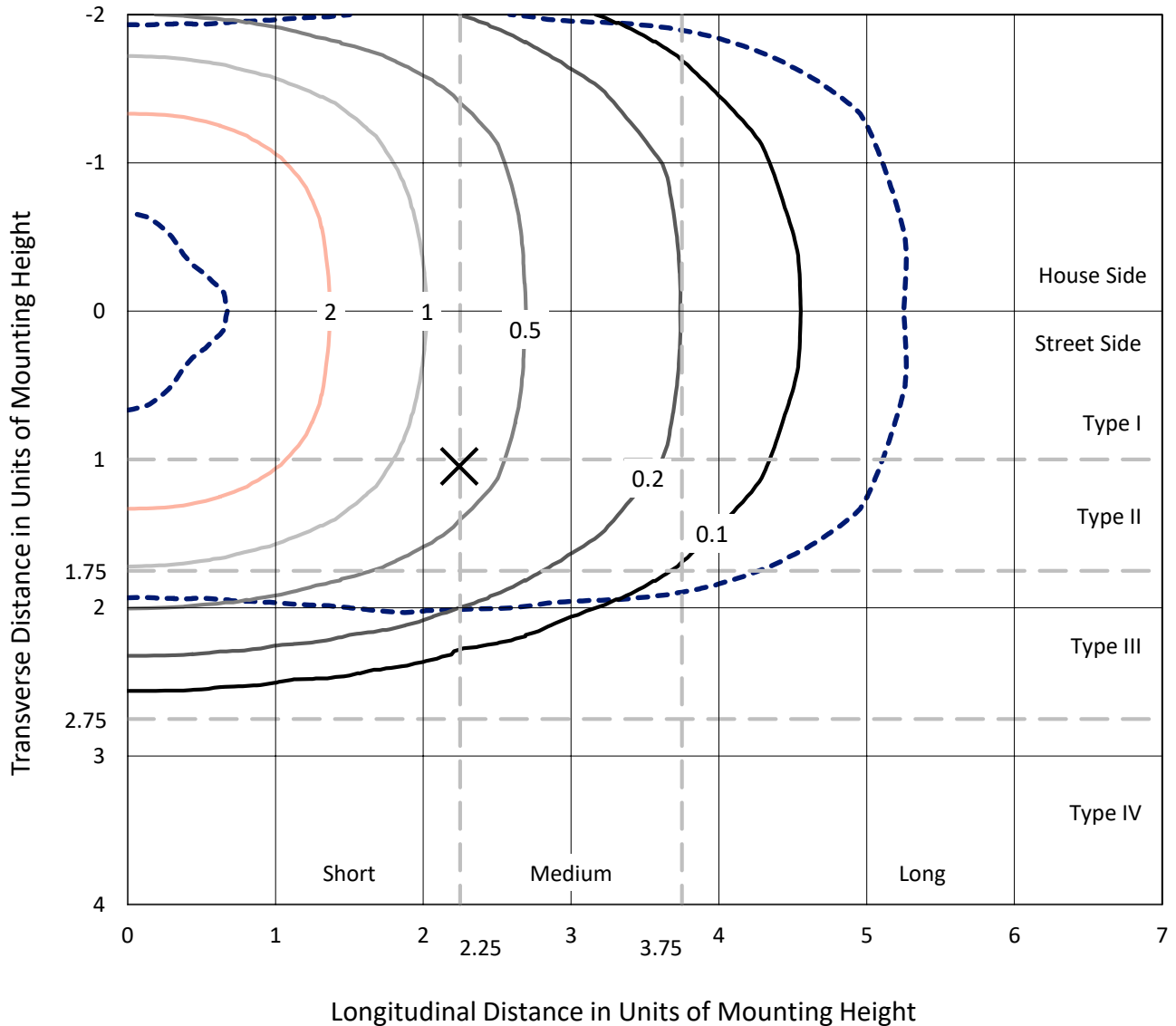
Input Watts (W): 191  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

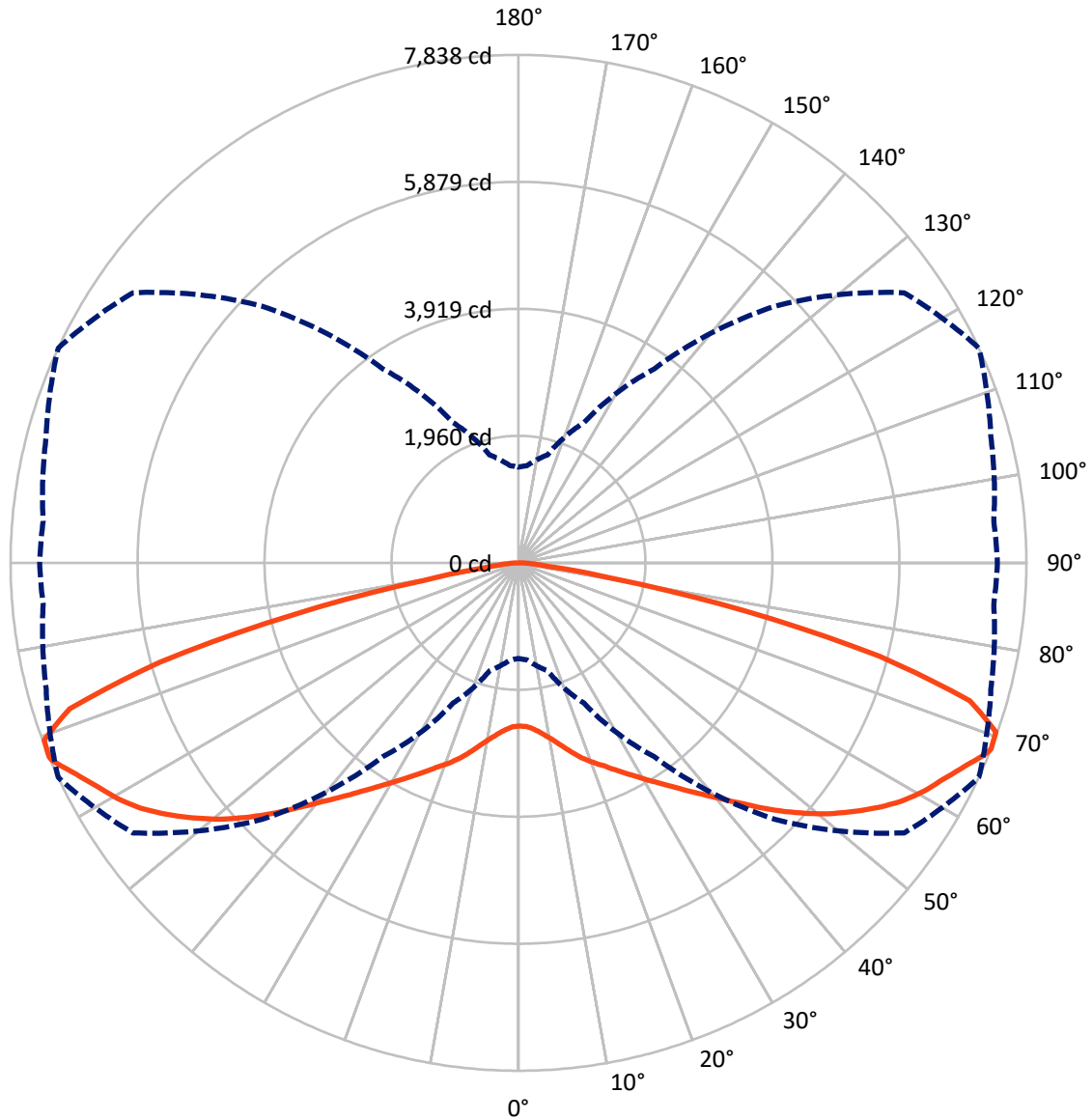
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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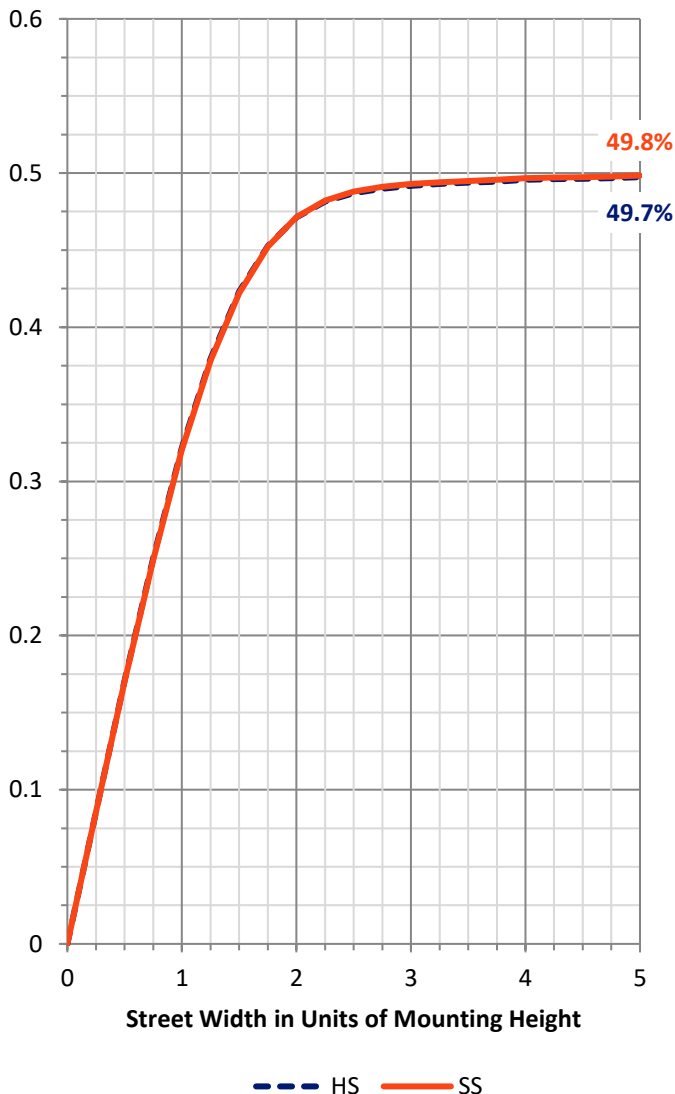
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12107.5	0.0	12107.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12107.5	0.0	12107.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24215.0	0.0	24215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.5	1.0
10°-20°	825.4	3.4
20°-30°	1609.4	6.6
30°-40°	2703.6	11.2
40°-50°	4259.9	17.6
50°-60°	5696.9	23.5
60°-70°	5538.1	22.9
70°-80°	3027.4	12.5
80°-90°	307.9	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°	24215.0	100.0
0°-180°	24215.0	100.0

**Coefficient of Utilization**

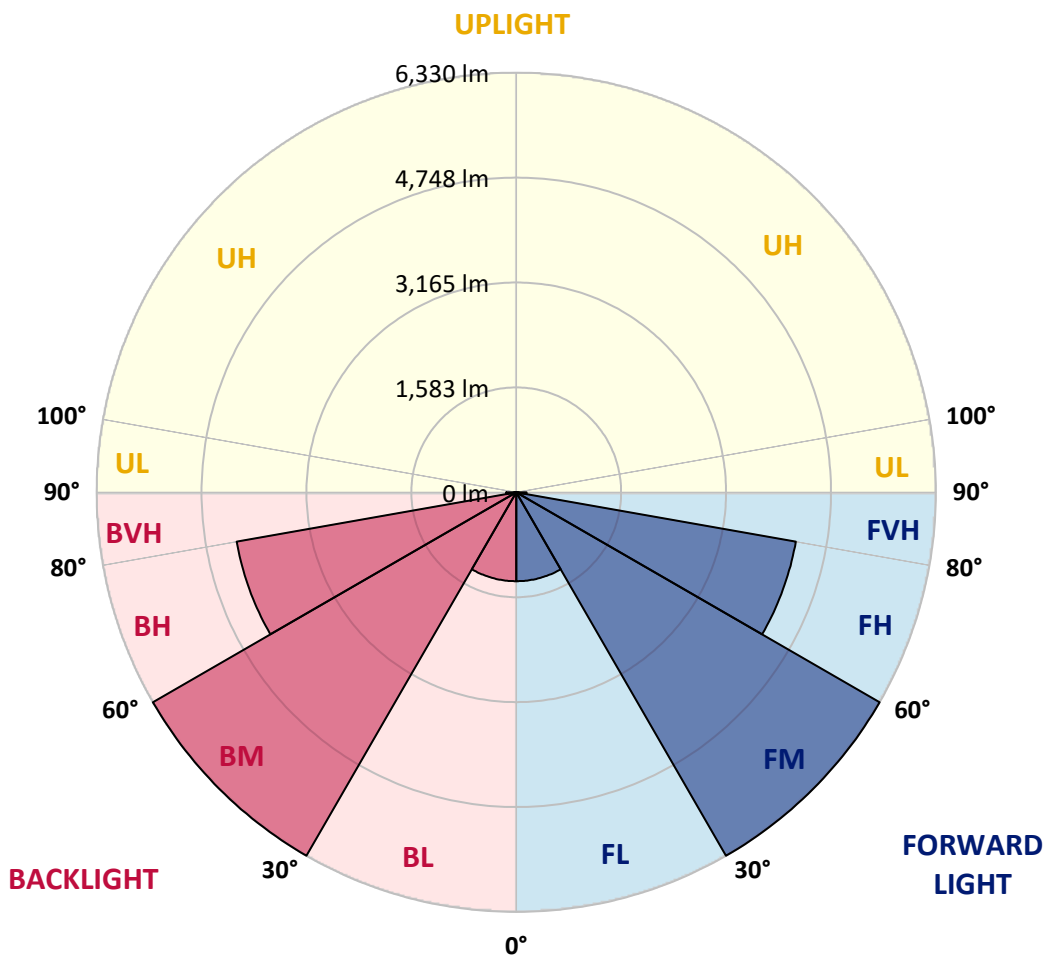


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1340.6	5.5			
FM (30°-60°)	6330.2	26.1			
FH (60°-80°)	4282.7	17.7			G2/5000
FVH (80°-90°)	153.9	0.6			G2/225
BL (0°-30°)	1340.6	5.5	B3/2500		
BM (30°-60°)	6330.2	26.1	B4/8500		
BH (60°-80°)	4282.7	17.7	B4/5000		G4/5000
BVH (80°-90°)	153.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8	2517.8
2.5°	2499.9	2500.7	2504.8	2509.7	2513.7	2524.3	2526.7	2530.8	2532.4	2536.5	2536.5
5°	2478.0	2479.6	2489.4	2502.4	2517.0	2543.0	2561.6	2582.7	2593.3	2604.7	2603.9
7.5°	2475.6	2479.6	2493.4	2514.5	2538.9	2581.9	2620.9	2663.1	2691.5	2717.5	2715.9
10°	2500.7	2507.2	2526.7	2558.4	2594.9	2648.5	2706.2	2763.0	2812.5	2852.3	2853.9
12.5°	2538.9	2547.0	2577.9	2625.8	2681.0	2750.0	2818.2	2882.3	2950.5	3009.8	3014.7
15°	2589.2	2599.8	2646.1	2717.5	2802.0	2884.0	2957.0	3022.8	3101.6	3183.6	3191.7
17.5°	2663.9	2678.6	2739.4	2836.1	2947.3	3037.4	3113.7	3163.3	3229.0	3313.5	3328.9
20°	2777.6	2796.3	2873.4	2988.7	3124.3	3218.5	3276.9	3287.5	3320.0	3395.5	3413.3
22.5°	2925.4	2941.6	3027.7	3164.9	3316.7	3419.0	3449.9	3407.7	3404.4	3465.3	3482.4
25°	3090.2	3104.8	3204.7	3358.9	3522.1	3635.0	3634.2	3552.2	3495.4	3542.4	3560.3
27.5°	3275.3	3298.1	3393.9	3556.2	3730.8	3842.0	3835.6	3708.9	3600.9	3613.1	3628.5
30°	3488.0	3513.2	3606.6	3771.4	3946.0	4054.8	4046.7	3879.4	3717.0	3684.5	3695.9
32.5°	3751.9	3782.0	3870.5	4032.8	4187.1	4285.4	4261.8	4064.5	3856.7	3786.0	3796.6
35°	4069.4	4087.2	4180.6	4340.6	4465.6	4533.0	4483.5	4278.9	4033.7	3948.4	3948.4
37.5°	4390.9	4404.7	4509.5	4664.5	4785.5	4821.2	4724.6	4513.5	4265.1	4144.1	4146.5
40°	4699.4	4736.8	4854.5	5013.7	5133.0	5142.8	5014.5	4781.4	4522.4	4397.4	4412.0
42.5°	5021.8	5058.3	5198.8	5379.0	5484.6	5500.8	5350.6	5081.9	4813.1	4711.6	4727.9
45°	5309.2	5338.4	5500.8	5710.3	5841.8	5884.0	5706.2	5426.1	5127.3	5028.3	5032.3
47.5°	5509.7	5547.9	5726.5	5973.4	6165.0	6229.9	6055.4	5761.4	5436.7	5316.5	5327.1
50°	5691.6	5711.9	5893.0	6162.5	6406.1	6540.1	6390.7	6092.7	5749.3	5621.8	5633.2
52.5°	5793.1	5819.1	5994.5	6275.4	6563.6	6779.6	6688.7	6390.7	6051.3	5927.1	5940.9
55°	5722.5	5742.0	5952.2	6300.6	6661.1	6927.4	6941.2	6682.2	6347.7	6238.9	6277.8
57.5°	5400.9	5425.3	5681.9	6138.2	6673.2	7027.2	7131.2	6952.5	6624.5	6536.0	6558.8
60°	4898.4	4913.8	5187.4	5700.5	6436.2	7068.6	7252.1	7173.4	6895.7	6807.2	6838.1
62.5°	4002.8	4025.5	4352.7	5040.5	5935.2	6946.0	7369.1	7356.1	7148.2	7067.0	7094.6
65°	2736.2	2776.0	3138.1	4007.7	5163.1	6570.9	7475.4	7568.8	7371.5	7269.2	7305.7
67.5°	1652.3	1681.5	1943.8	2646.1	3950.8	5814.2	7365.8	7810.8	7529.0	7364.2	7394.2
68°	1476.9	1503.7	1722.9	2387.9	3654.5	5600.7	7265.9	7838.4	7546.1	7362.6	7389.4
70°	892.3	910.2	1057.1	1476.1	2436.6	4442.9	6584.7	7815.6	7654.9	7385.3	7400.7
72.5°	581.3	587.0	611.4	757.5	1244.7	2484.5	4942.2	7283.0	7818.1	7517.6	7515.2
75°	483.1	479.8	482.3	499.3	613.8	1089.6	2888.0	5753.3	7452.7	7309.0	7257.8
77.5°	408.4	406.0	405.2	406.0	410.8	526.1	1253.6	3583.9	5703.0	6465.4	6510.9
80°	330.5	327.2	337.8	332.9	318.3	327.2	525.3	1490.7	2688.3	2892.1	2710.2
82.5°	240.3	228.2	273.6	260.6	248.5	230.6	289.9	481.5	641.4	440.1	309.3
85°	185.1	172.1	207.9	199.7	170.5	117.7	172.1	235.5	259.8	148.6	116.9
87.5°	75.5	79.6	150.2	118.5	99.9	56.8	70.6	94.2	126.7	63.3	48.7
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)