

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: P316159

Luminaire Tested: **GAN-SA5B-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316159  
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-SA5B-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 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: 30085 lumens  
Efficiency: N/A  
Efficacy: 143.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

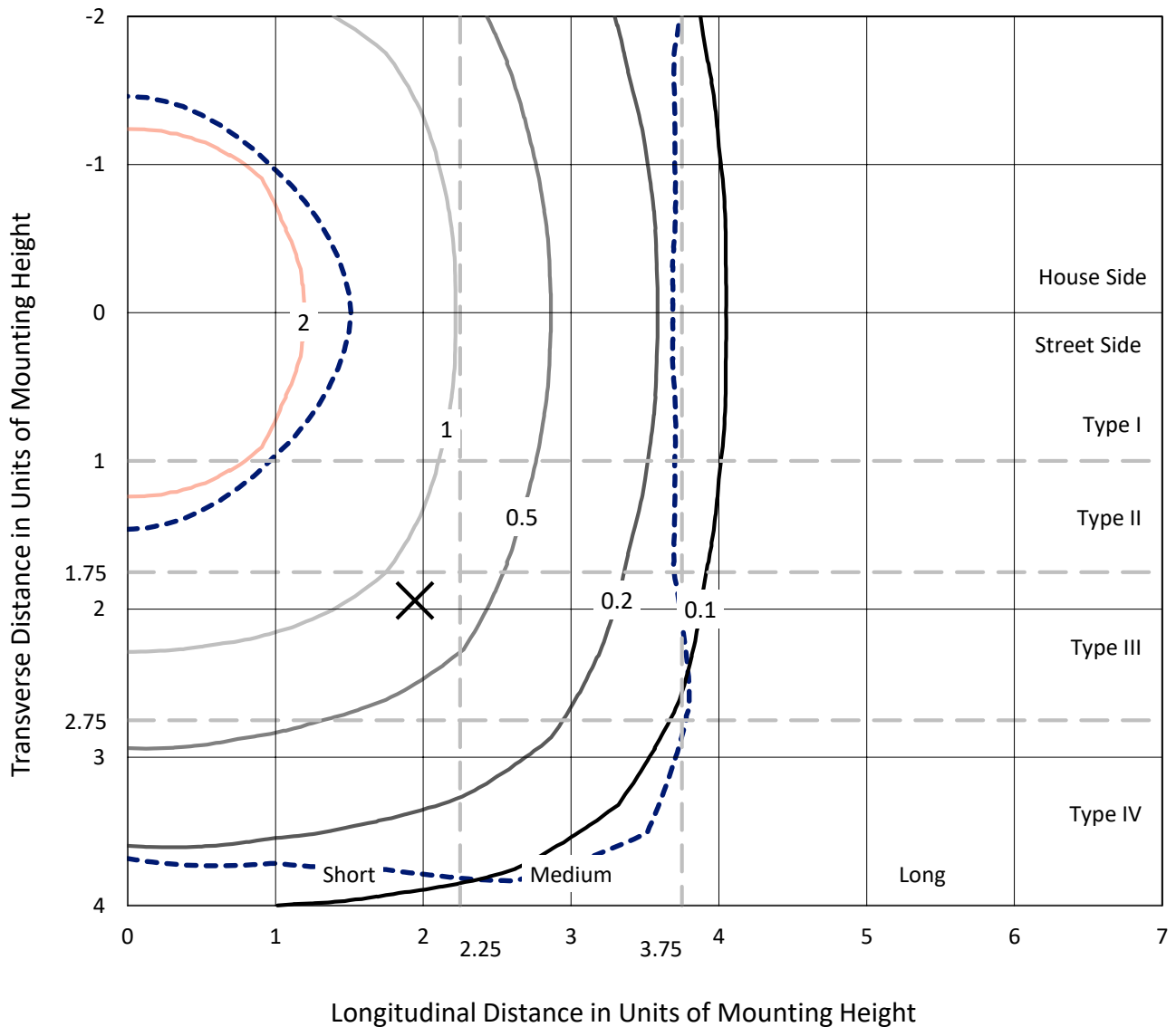
Input Watts (W): 210  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

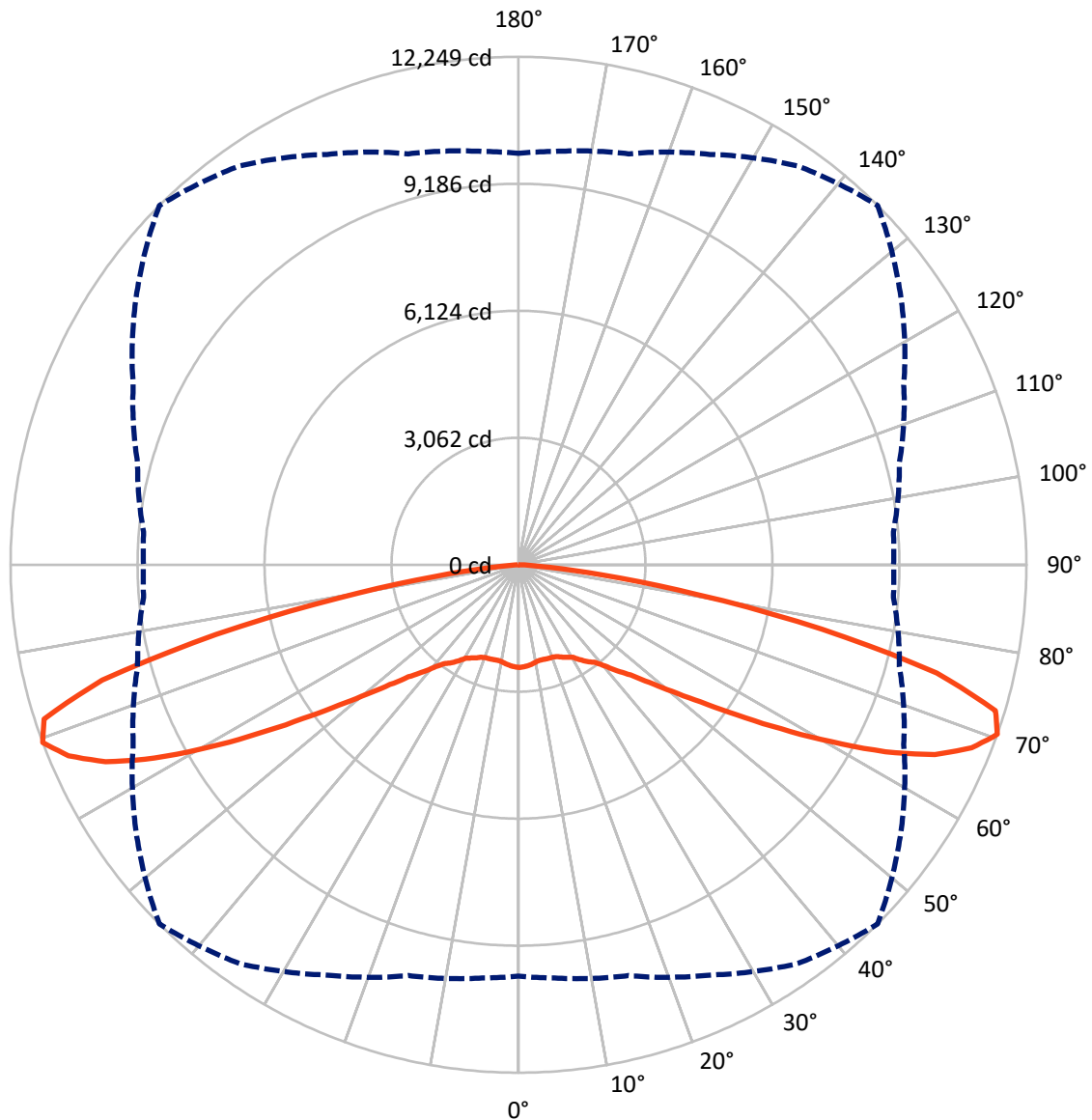
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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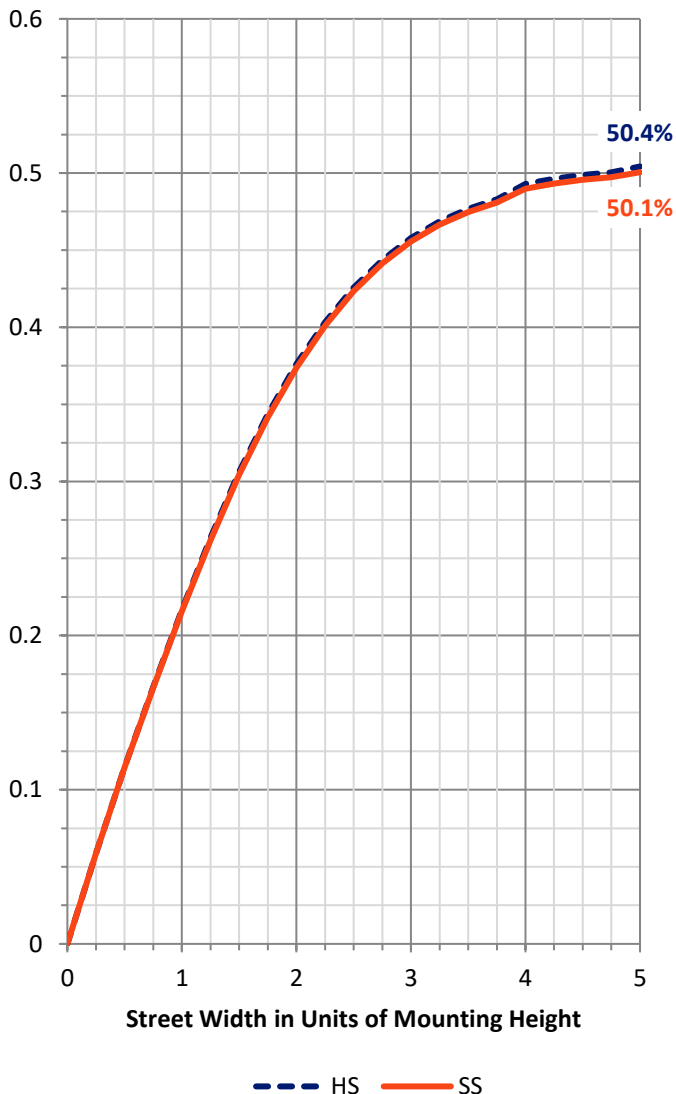
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15042.5	0.0	15042.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15042.5	0.0	15042.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30085.0	0.0	30085.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.1	0.8
10°-20°	675.0	2.2
20°-30°	1150.9	3.8
30°-40°	1798.3	6.0
40°-50°	3047.7	10.1
50°-60°	5557.8	18.5
60°-70°	9568.1	31.8
70°-80°	7499.9	24.9
80°-90°	556.1	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°	30085.0	100.0
0°-180°	30085.0	100.0



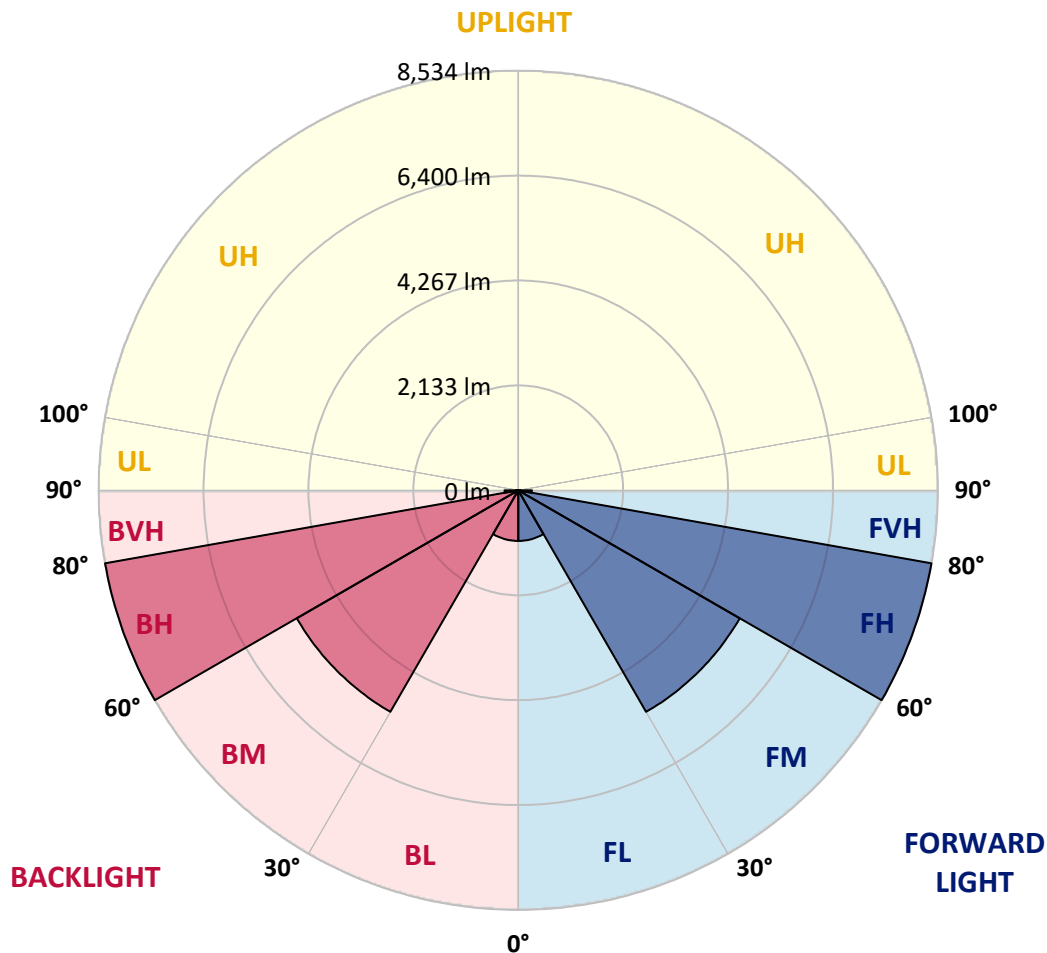
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.5	3.4			
FM (30°-60°)	5201.9	17.3			
FH (60°-80°)	8534.0	28.4			G4/12000
FVH (80°-90°)	278.1	0.9			G3/500
BL (0°-30°)	1028.5	3.4	B3/2500		
BM (30°-60°)	5201.9	17.3	B4/8500		
BH (60°-80°)	8534.0	28.4	B5		G4/12000
BVH (80°-90°)	278.1	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°	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0	2476.0
2.5°	2465.1	2468.0	2465.1	2467.0	2462.1	2464.1	2464.1	2464.1	2463.1	2464.1	2462.1
5°	2443.2	2445.1	2441.2	2443.2	2440.2	2443.2	2444.2	2443.2	2441.2	2442.2	2438.2
7.5°	2410.3	2412.3	2409.3	2412.3	2408.3	2413.3	2412.3	2409.3	2406.3	2406.3	2402.4
10°	2392.4	2393.4	2385.4	2382.5	2373.5	2375.5	2378.5	2381.5	2384.4	2390.4	2389.4
12.5°	2393.4	2393.4	2381.5	2368.5	2355.6	2358.6	2363.5	2374.5	2386.4	2397.4	2398.4
15°	2403.4	2402.4	2384.4	2363.5	2354.6	2363.5	2366.5	2373.5	2392.4	2411.3	2412.3
17.5°	2410.3	2410.3	2382.5	2358.6	2357.6	2371.5	2370.5	2373.5	2394.4	2422.3	2423.3
20°	2423.3	2423.3	2387.4	2361.6	2361.6	2376.5	2377.5	2382.5	2403.4	2434.2	2439.2
22.5°	2452.1	2453.1	2415.3	2394.4	2396.4	2405.3	2408.3	2416.3	2435.2	2469.0	2475.0
25°	2492.9	2494.9	2456.1	2444.2	2451.1	2468.0	2466.0	2472.0	2492.9	2525.8	2531.7
27.5°	2549.6	2544.7	2508.8	2503.9	2510.8	2522.8	2521.8	2522.8	2539.7	2569.5	2576.5
30°	2623.3	2621.3	2595.4	2598.4	2595.4	2591.4	2592.4	2600.4	2609.4	2633.2	2640.2
32.5°	2694.9	2696.9	2681.0	2695.9	2717.8	2732.8	2709.9	2688.0	2678.0	2691.0	2696.9
35°	2824.3	2829.3	2804.4	2794.5	2824.3	2868.1	2803.4	2767.6	2787.5	2804.4	2809.4
37.5°	3044.2	3047.2	3005.4	2965.6	2943.7	2985.5	2920.8	2923.8	2993.5	3025.3	3024.3
40°	3295.0	3296.0	3268.2	3233.3	3195.5	3205.5	3179.6	3187.6	3233.3	3262.2	3270.2
42.5°	3593.6	3590.6	3546.8	3497.1	3486.1	3496.1	3452.3	3446.3	3499.0	3550.8	3551.8
45°	3980.7	3973.7	3917.0	3862.3	3809.5	3787.6	3776.7	3805.6	3878.2	3926.0	3927.0
47.5°	4397.7	4378.8	4348.9	4305.1	4259.4	4237.5	4219.5	4233.5	4286.2	4305.1	4307.1
50°	4826.6	4830.6	4836.6	4819.6	4802.7	4795.8	4749.0	4722.1	4738.0	4703.2	4698.2
52.5°	5335.1	5343.1	5400.8	5449.6	5478.4	5493.4	5404.8	5312.3	5260.5	5192.8	5172.9
55°	5935.2	5948.2	6032.8	6168.1	6307.4	6381.1	6220.8	6047.7	5887.5	5761.1	5720.3
57.5°	6604.0	6626.9	6743.3	7003.1	7288.7	7462.8	7192.1	6877.7	6568.2	6386.0	6354.2
60°	7388.2	7410.1	7571.3	7943.5	8406.3	8668.0	8258.0	7743.5	7358.3	7184.2	7125.5
62.5°	8321.7	8323.7	8521.7	8956.6	9567.6	9931.9	9376.6	8688.9	8291.8	8081.8	8025.1
65°	9325.8	9330.8	9535.8	10005.5	10637.4	11033.5	10406.6	9690.0	9204.4	8894.9	8851.1
67.5°	10035.4	10056.3	10272.2	10837.5	11428.6	11785.9	11137.0	10326.9	9765.7	9396.5	9359.6
70°	9921.9	10003.5	10257.3	10917.1	11739.1	12248.6	11255.4	10251.3	9510.9	9075.0	9044.2
72.5°	8653.1	8809.3	9147.7	10013.5	11328.1	12029.7	10609.6	9181.5	8343.6	7972.4	7916.6
75°	5892.4	6146.2	6656.7	7905.7	9678.1	10415.5	8931.7	7320.5	6532.3	6018.8	5981.0
77.5°	2627.3	2685.0	3331.9	4769.9	6678.6	7479.7	6489.5	4788.8	3594.6	2867.1	2713.8
80°	732.5	741.4	989.2	1776.4	3342.8	4394.7	3588.6	1866.0	1048.9	739.4	696.6
82.5°	232.9	252.8	308.5	460.8	1123.6	2005.3	1153.4	497.6	354.3	282.6	254.8
85°	113.5	112.5	156.2	187.1	286.6	443.8	305.5	230.9	202.0	134.3	121.4
87.5°	47.8	48.8	72.6	65.7	83.6	71.7	98.5	103.5	108.5	59.7	51.7
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)