

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: P316199

Luminaire Tested: **GAN-SA5B-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316199  
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-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 5000K, 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: 30084 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

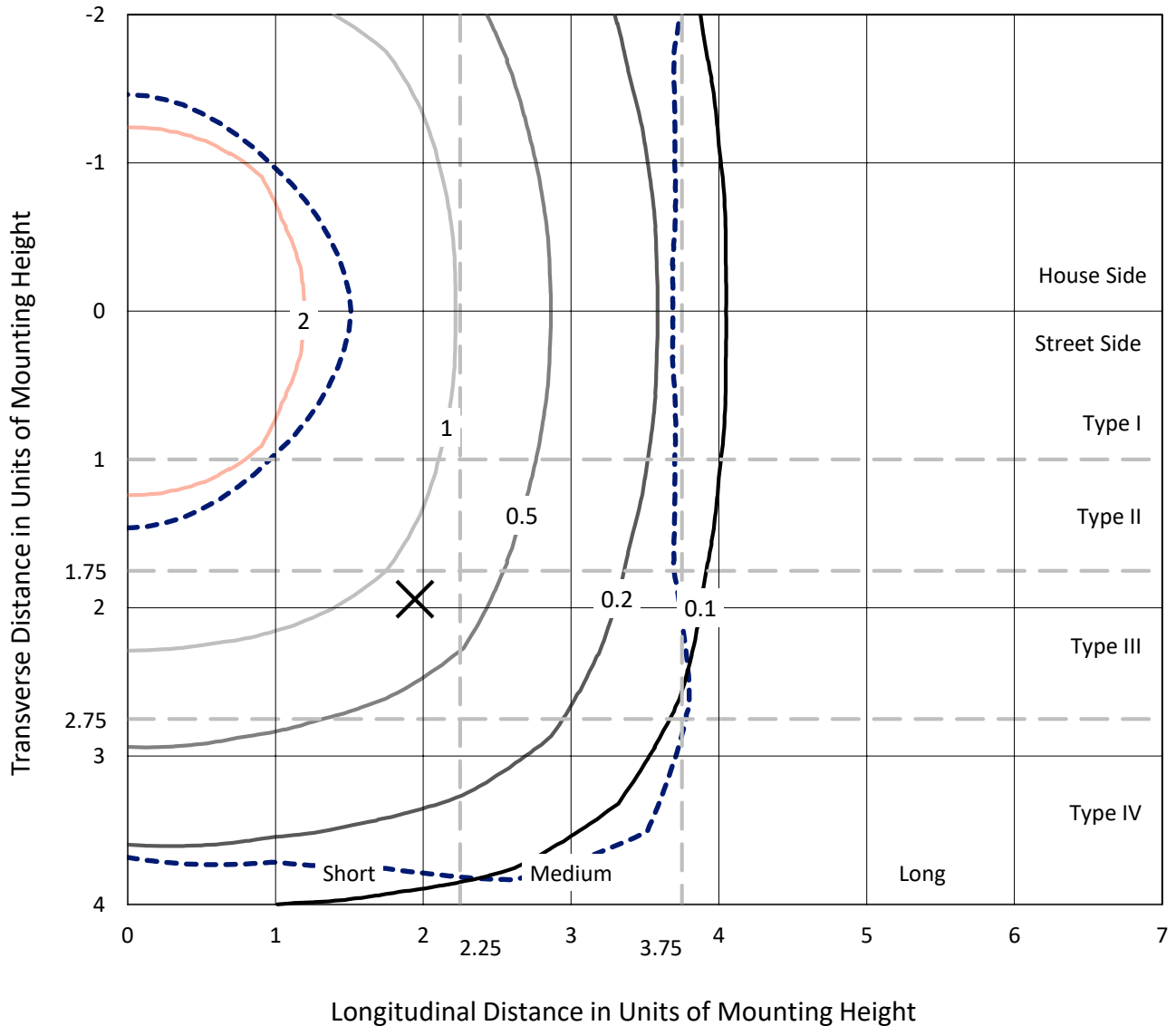
Input Watts (W): 210  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

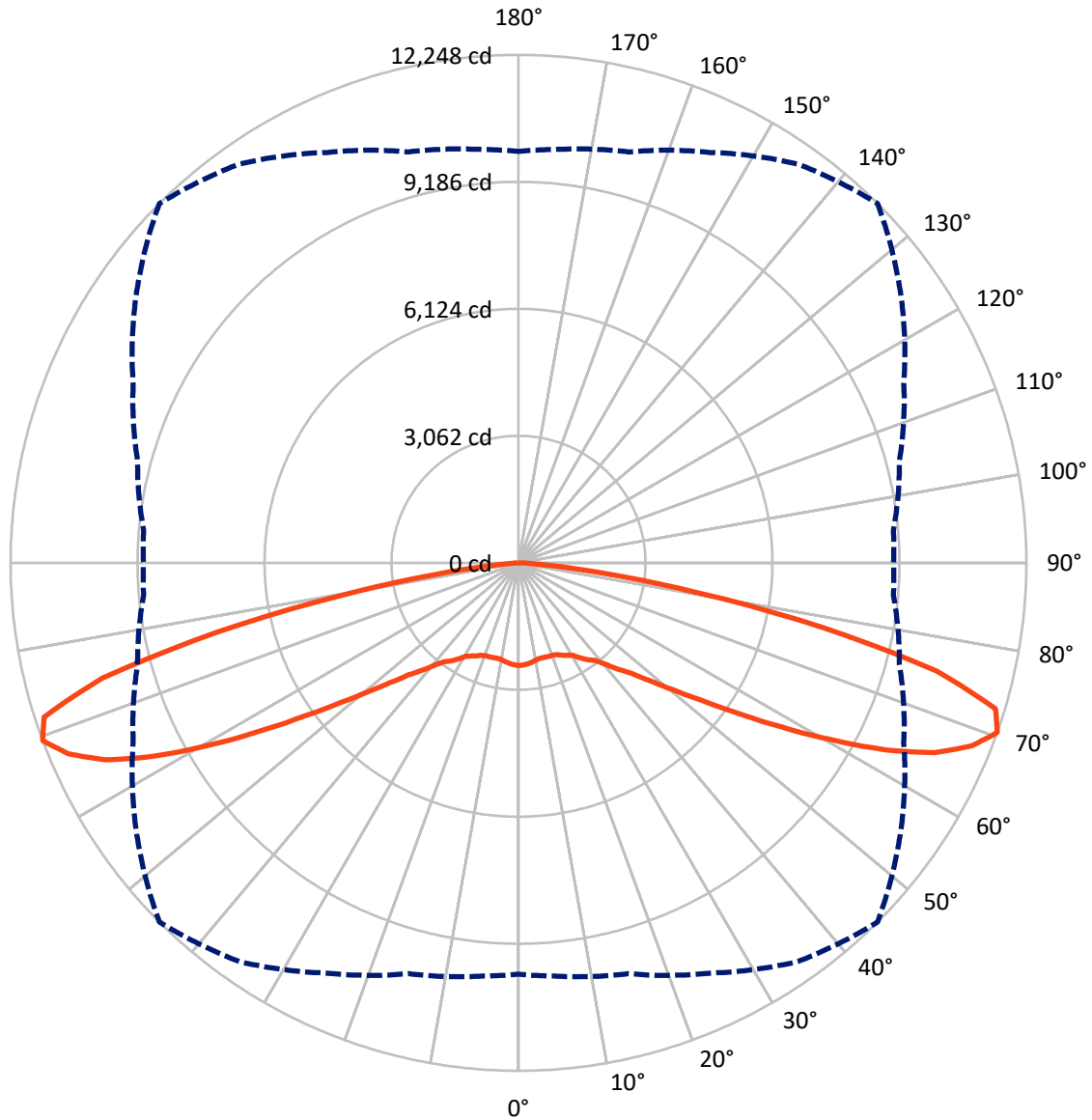
✕ Max cd  
 - - - 1/2 Max cd



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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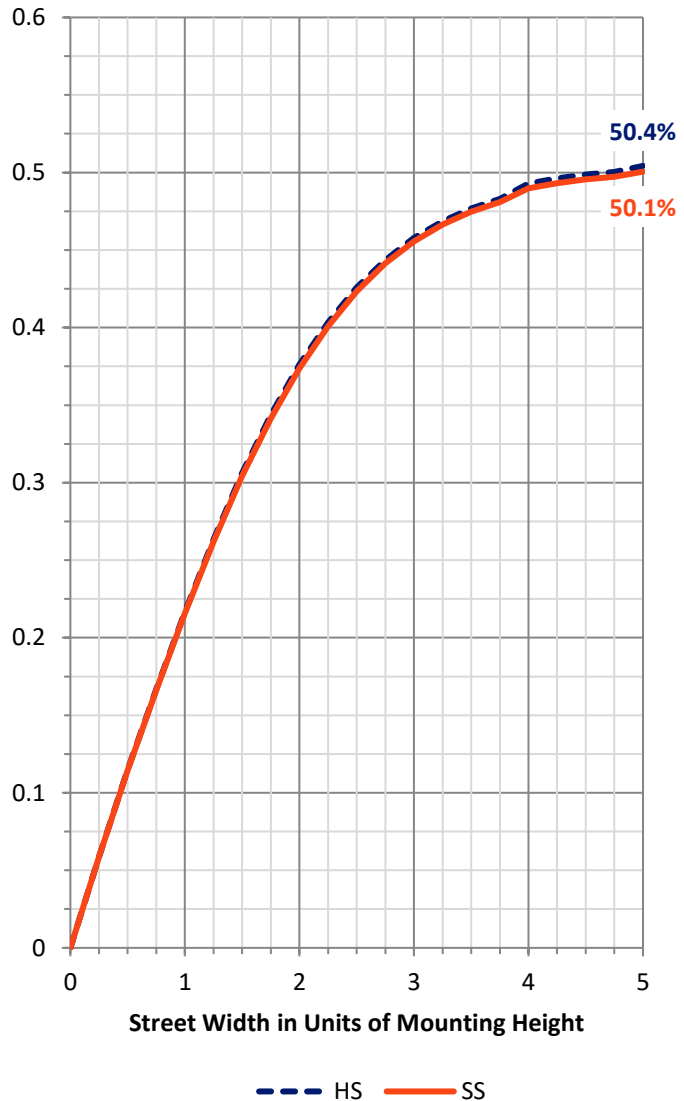
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15042.0	0.0	15042.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15042.0	0.0	15042.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30084.0	0.0	30084.0
	% Fixture	100.0	0.0	100.0

**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°	3047.6	10.1
50°-60°	5557.6	18.5
60°-70°	9567.8	31.8
70°-80°	7499.6	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°	30084.0	100.0
0°-180°	30084.0	100.0

**Coefficient of Utilization**

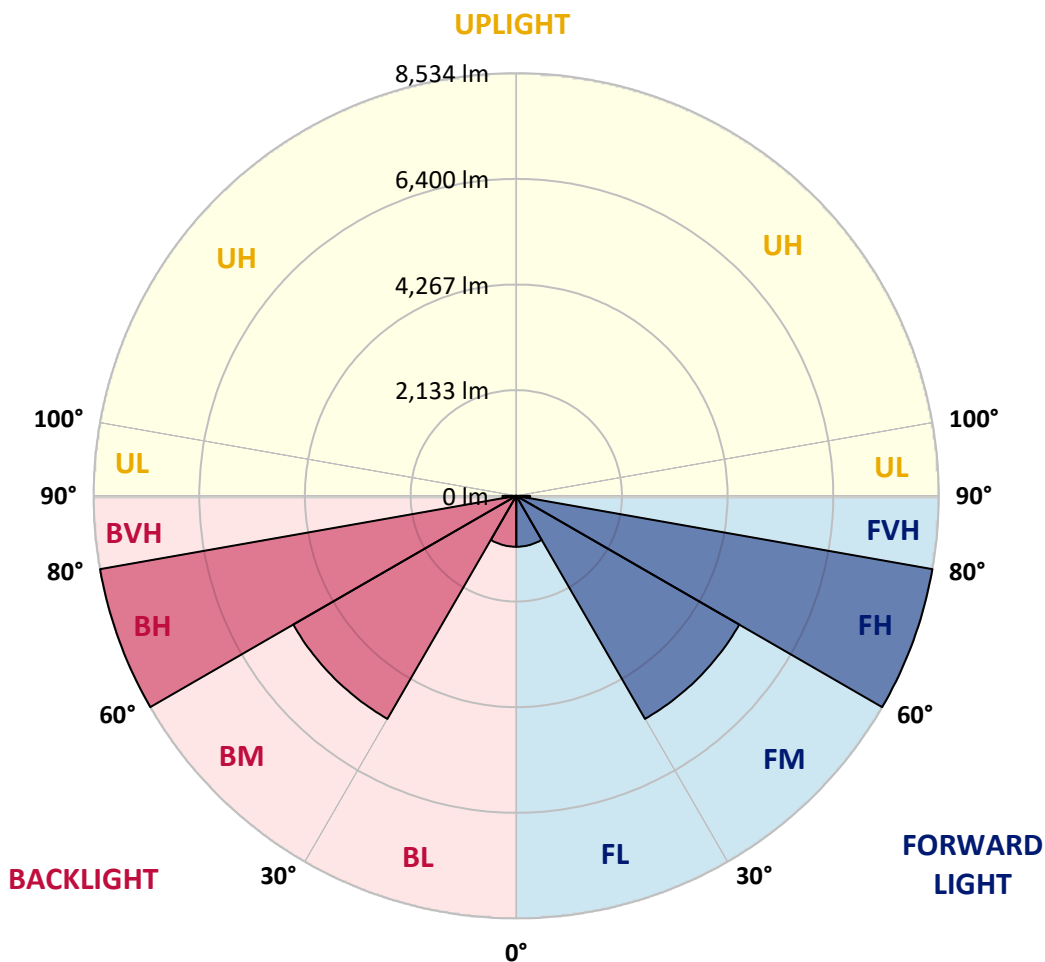


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.5	3.4			
FM (30°-60°)	5201.8	17.3			
FH (60°-80°)	8533.7	28.4			G4/12000
FVH (80°-90°)	278.0	0.9			G3/500
BL (0°-30°)	1028.5	3.4	B3/2500		
BM (30°-60°)	5201.8	17.3	B4/8500		
BH (60°-80°)	8533.7	28.4	B5		G4/12000
BVH (80°-90°)	278.0	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°	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9	2475.9
2.5°	2465.0	2468.0	2465.0	2467.0	2462.0	2464.0	2464.0	2464.0	2463.0	2464.0	2462.0
5°	2443.1	2445.1	2441.1	2443.1	2440.1	2443.1	2444.1	2443.1	2441.1	2442.1	2438.1
7.5°	2410.2	2412.2	2409.2	2412.2	2408.2	2413.2	2412.2	2409.2	2406.3	2406.3	2402.3
10°	2392.3	2393.3	2385.4	2382.4	2373.4	2375.4	2378.4	2381.4	2384.4	2390.3	2389.3
12.5°	2393.3	2393.3	2381.4	2368.4	2355.5	2358.5	2363.5	2374.4	2386.4	2397.3	2398.3
15°	2403.3	2402.3	2384.4	2363.5	2354.5	2363.5	2366.5	2373.4	2392.3	2411.2	2412.2
17.5°	2410.2	2410.2	2382.4	2358.5	2357.5	2371.4	2370.4	2373.4	2394.3	2422.2	2423.2
20°	2423.2	2423.2	2387.3	2361.5	2361.5	2376.4	2377.4	2382.4	2403.3	2434.1	2439.1
22.5°	2452.0	2453.0	2415.2	2394.3	2396.3	2405.3	2408.2	2416.2	2435.1	2469.0	2474.9
25°	2492.8	2494.8	2456.0	2444.1	2451.0	2468.0	2466.0	2471.9	2492.8	2525.7	2531.6
27.5°	2549.6	2544.6	2508.8	2503.8	2510.7	2522.7	2521.7	2522.7	2539.6	2569.5	2576.4
30°	2623.2	2621.2	2595.3	2598.3	2595.3	2591.4	2592.3	2600.3	2609.3	2633.2	2640.1
32.5°	2694.8	2696.8	2680.9	2695.8	2717.7	2732.7	2709.8	2687.9	2677.9	2690.9	2696.8
35°	2824.2	2829.2	2804.3	2794.4	2824.2	2868.0	2803.3	2767.5	2787.4	2804.3	2809.3
37.5°	3044.1	3047.1	3005.3	2965.5	2943.6	2985.4	2920.7	2923.7	2993.4	3025.2	3024.2
40°	3294.9	3295.9	3268.1	3233.2	3195.4	3205.4	3179.5	3187.4	3233.2	3262.1	3270.0
42.5°	3593.5	3590.5	3546.7	3496.9	3486.0	3495.9	3452.2	3446.2	3498.9	3550.7	3551.7
45°	3980.6	3973.6	3916.9	3862.2	3809.4	3787.5	3776.6	3805.4	3878.1	3925.8	3926.8
47.5°	4397.5	4378.6	4348.8	4305.0	4259.2	4237.3	4219.4	4233.3	4286.1	4305.0	4307.0
50°	4826.4	4830.4	4836.4	4819.5	4802.6	4795.6	4748.8	4722.0	4737.9	4703.0	4698.1
52.5°	5335.0	5342.9	5400.6	5449.4	5478.3	5493.2	5404.6	5312.1	5260.3	5192.7	5172.8
55°	5935.0	5948.0	6032.6	6167.9	6307.2	6380.9	6220.6	6047.5	5887.3	5760.9	5720.1
57.5°	6603.8	6626.7	6743.1	7002.8	7288.4	7462.6	7191.9	6877.4	6567.9	6385.8	6354.0
60°	7387.9	7409.8	7571.1	7943.2	8406.0	8667.7	8257.7	7743.2	7358.1	7183.9	7125.2
62.5°	8321.4	8323.4	8521.4	8956.3	9567.3	9931.5	9376.2	8688.6	8291.5	8081.6	8024.8
65°	9325.5	9330.5	9535.5	10005.2	10637.1	11033.2	10406.2	9689.7	9204.1	8894.6	8850.8
67.5°	10035.0	10055.9	10271.9	10837.1	11428.2	11785.5	11136.7	10326.6	9765.3	9396.1	9359.3
70°	9921.6	10003.2	10256.9	10916.7	11738.7	12248.2	11255.1	10251.0	9510.6	9074.7	9043.9
72.5°	8652.8	8809.0	9147.4	10013.1	11327.7	12029.3	10609.2	9181.2	8343.3	7972.1	7916.4
75°	5892.2	6146.0	6656.5	7905.4	9677.8	10415.2	8931.4	7320.3	6532.1	6018.6	5980.8
77.5°	2627.2	2684.9	3331.7	4769.7	6678.4	7479.5	6489.3	4788.6	3594.5	2867.0	2713.8
80°	732.4	741.4	989.2	1776.3	3342.7	4394.6	3588.5	1865.9	1048.9	739.4	696.6
82.5°	232.9	252.8	308.5	460.8	1123.5	2005.2	1153.4	497.6	354.3	282.6	254.8
85°	113.4	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)