

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: P316797

Luminaire Tested: **GAN-SA3B-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17997 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

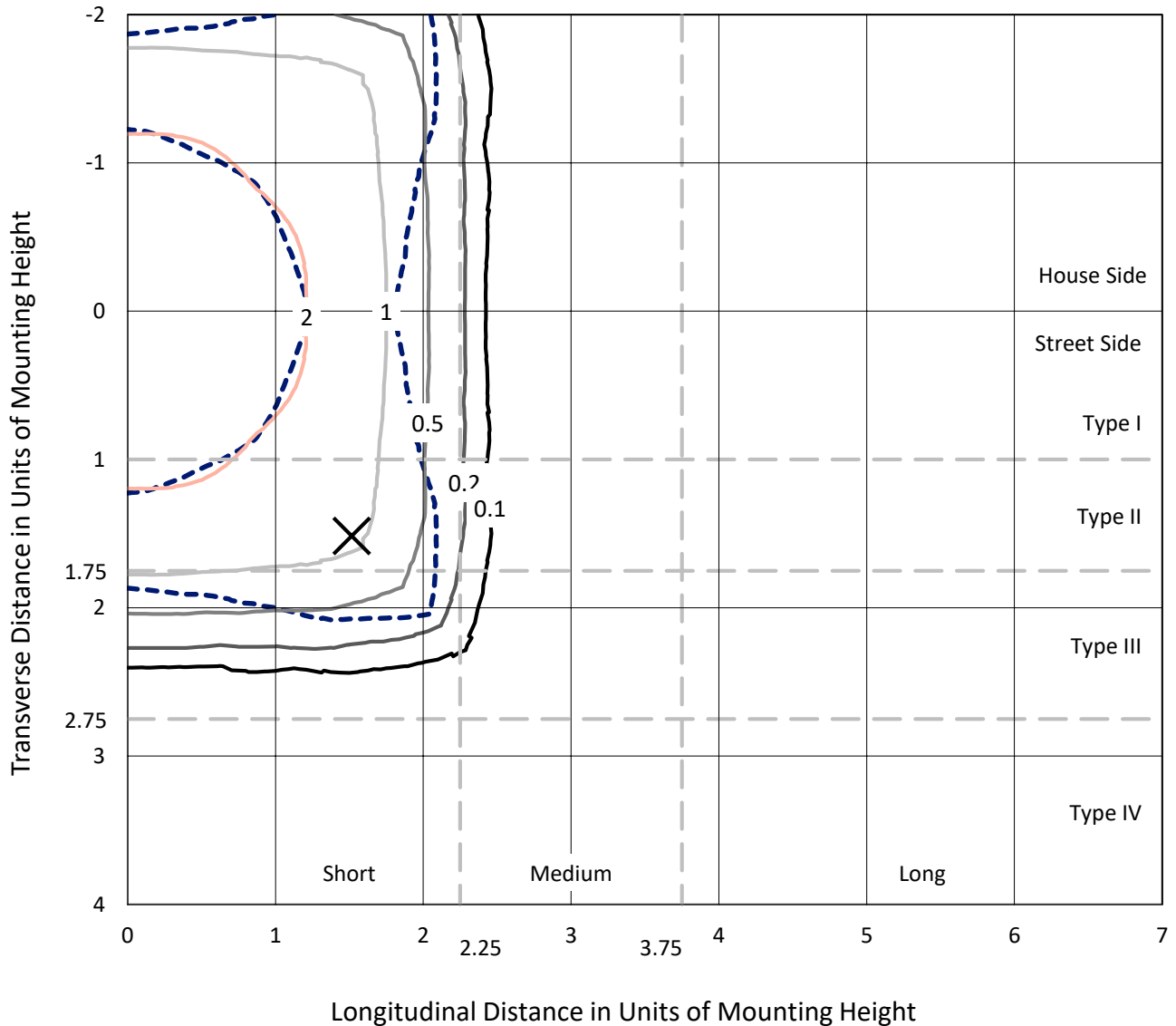
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

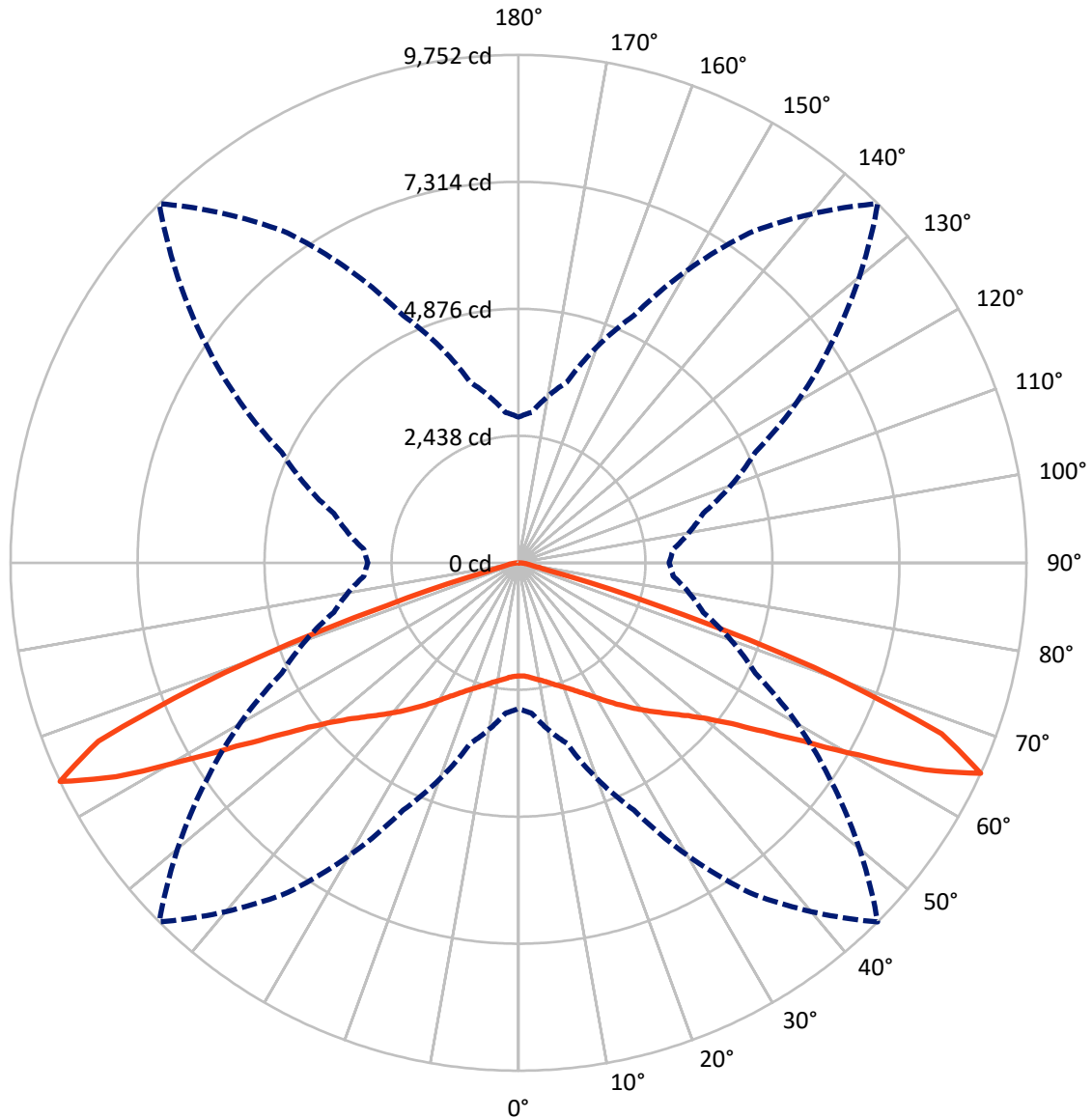
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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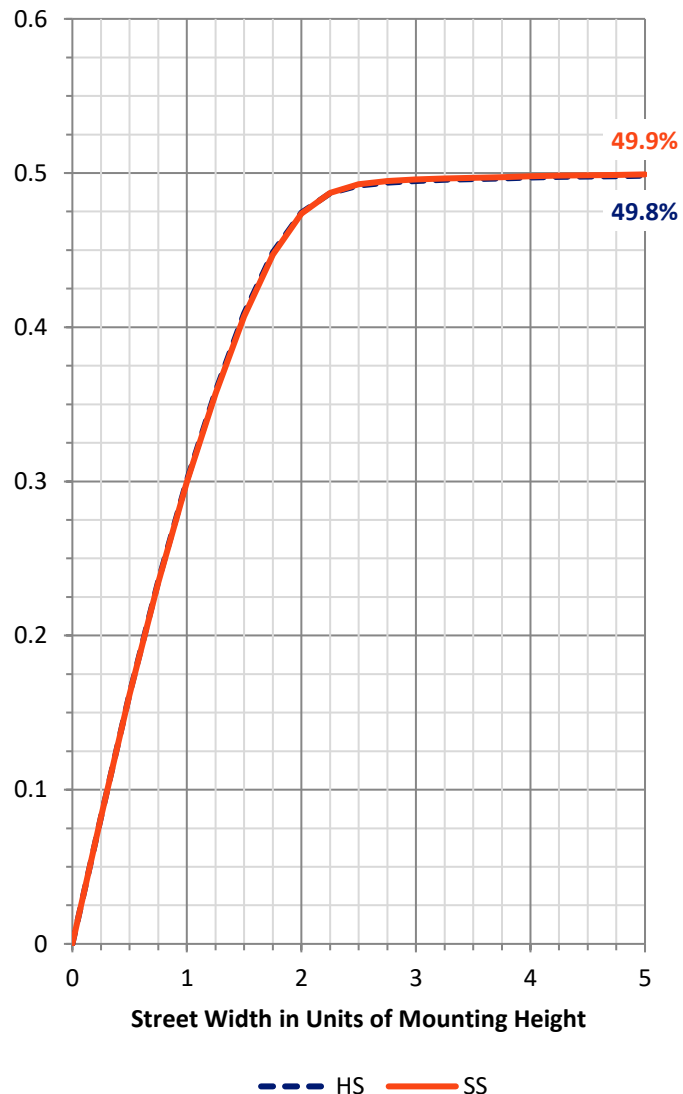
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8998.5	0.0	8998.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8998.5	0.0	8998.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17997.0	0.0	17997.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.2	1.2
10°-20°	685.4	3.8
20°-30°	1285.9	7.1
30°-40°	2126.7	11.8
40°-50°	3293.9	18.3
50°-60°	5052.0	28.1
60°-70°	4714.1	26.2
70°-80°	548.6	3.0
80°-90°	77.1	0.4
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°	17997.0	100.0
0°-180°	17997.0	100.0

**Coefficient of Utilization**

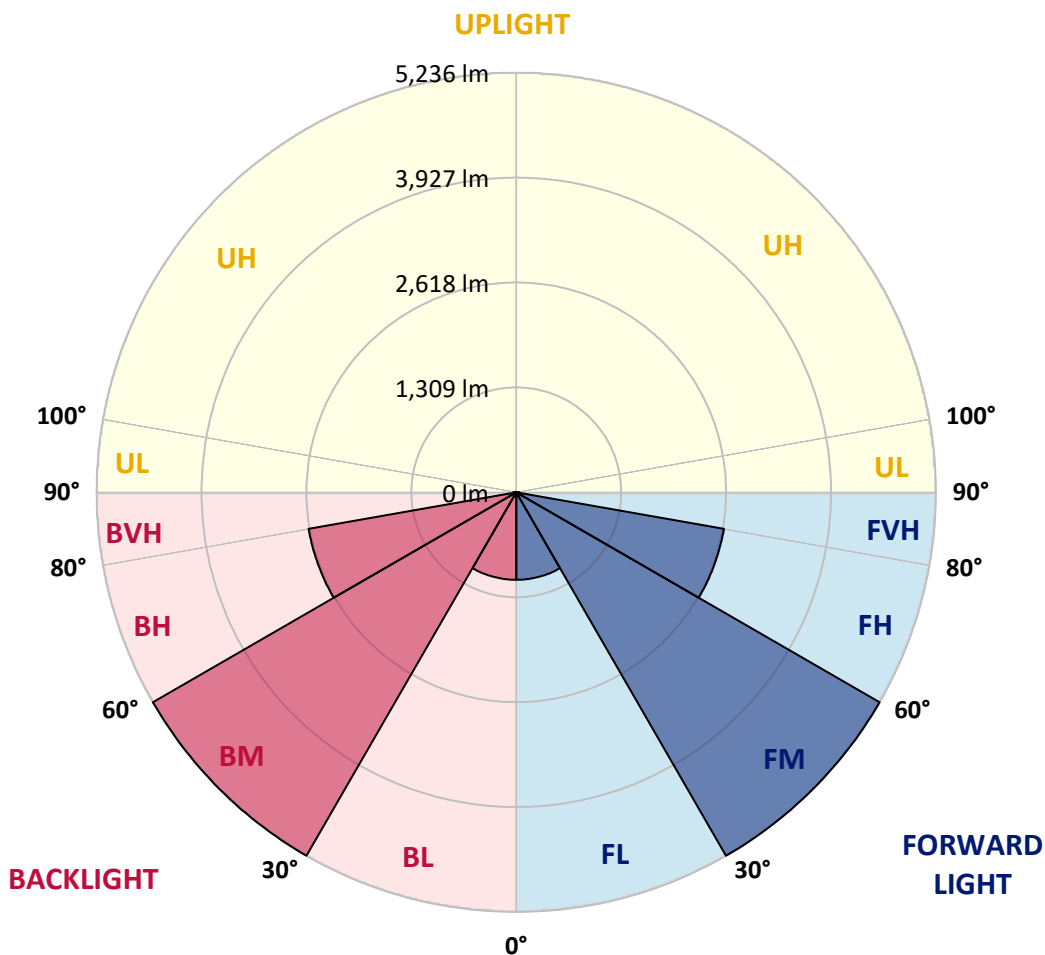


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.3	6.1			
FM (30°-60°)	5236.3	29.1			
FH (60°-80°)	2631.4	14.6			G2/5000
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	1092.3	6.1	B3/2500		
BM (30°-60°)	5236.3	29.1	B4/8500		
BH (60°-80°)	2631.4	14.6	B4/5000		G2/5000
BVH (80°-90°)	38.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4
2.5°	2180.5	2179.3	2180.5	2181.1	2177.5	2179.3	2178.7	2181.7	2182.9	2181.7	2181.7
5°	2205.6	2203.8	2206.2	2209.2	2204.4	2205.6	2203.8	2207.4	2208.6	2206.2	2208.0
7.5°	2240.3	2240.9	2243.3	2248.6	2245.7	2248.0	2244.5	2245.1	2244.5	2240.9	2241.5
10°	2277.9	2278.5	2282.7	2289.9	2291.1	2291.1	2288.7	2286.9	2284.5	2282.1	2282.7
12.5°	2323.3	2326.3	2329.3	2338.2	2338.2	2343.0	2341.8	2337.1	2332.9	2329.3	2329.3
15°	2384.8	2384.3	2387.8	2396.8	2401.0	2408.7	2408.7	2402.2	2396.8	2393.2	2392.0
17.5°	2449.4	2451.2	2453.5	2464.3	2470.9	2479.8	2481.0	2475.7	2472.1	2467.3	2464.3
20°	2524.6	2527.6	2537.2	2541.4	2547.3	2555.7	2558.7	2557.5	2553.9	2551.5	2552.1
22.5°	2612.5	2620.2	2626.2	2632.2	2639.3	2645.3	2648.3	2652.5	2648.9	2647.1	2645.9
25°	2718.8	2724.2	2736.1	2746.9	2751.7	2753.4	2757.0	2763.0	2762.4	2758.2	2758.2
27.5°	2839.5	2849.6	2864.6	2880.1	2880.1	2874.1	2886.1	2896.2	2892.6	2887.3	2880.1
30°	2985.8	2995.4	3012.7	3034.2	3023.5	3019.3	3035.4	3053.9	3048.6	3039.6	3038.4
32.5°	3143.6	3152.5	3175.2	3198.5	3184.8	3178.8	3196.1	3223.0	3213.5	3195.5	3184.8
35°	3314.4	3323.4	3355.6	3383.7	3360.4	3350.3	3364.6	3393.9	3377.1	3343.7	3335.3
37.5°	3500.2	3505.0	3546.8	3575.5	3559.3	3532.5	3550.4	3571.9	3557.6	3516.9	3500.8
40°	3693.2	3710.5	3758.9	3792.3	3764.3	3721.8	3751.7	3781.6	3760.1	3708.1	3680.6
42.5°	3918.4	3931.5	3996.1	4025.9	3980.5	3920.8	3961.4	4002.0	3980.5	3930.3	3906.4
45°	4152.6	4172.9	4250.0	4279.8	4214.1	4138.2	4187.8	4258.9	4257.1	4184.8	4159.7
47.5°	4407.7	4428.0	4520.0	4559.4	4488.3	4386.8	4456.7	4557.0	4549.8	4470.4	4450.1
50°	4702.2	4723.7	4838.4	4888.0	4821.7	4703.4	4808.5	4896.9	4883.8	4785.8	4787.6
52.5°	5072.0	5070.8	5213.6	5299.6	5231.5	5126.9	5223.7	5309.8	5255.4	5119.8	5115.6
55°	5395.8	5415.5	5592.3	5755.4	5751.2	5711.2	5750.0	5753.6	5598.3	5417.9	5395.8
57.5°	5608.5	5646.1	5895.2	6190.3	6411.4	6464.5	6389.3	6161.1	5797.2	5508.7	5473.4
60°	5477.6	5535.0	5926.3	6527.9	7179.0	7491.5	7066.7	6358.8	5642.5	5240.5	5192.7
62.5°	4594.7	4691.4	5264.3	6364.8	7839.8	8753.2	7557.8	6041.6	5027.2	4473.4	4391.5
65°	2798.3	2900.4	3591.0	5238.7	7732.8	9752.1	7333.8	5014.6	3669.3	2980.5	2892.0
67.5°	932.6	962.4	1369.3	2895.6	6077.4	8762.2	6087.6	3002.0	1596.9	1058.6	1027.5
70°	365.0	368.0	434.3	839.4	2869.9	6018.3	3166.9	854.3	454.0	359.0	366.8
72.5°	268.2	269.4	288.0	350.7	748.0	2651.3	774.8	352.5	280.2	251.5	251.5
75°	215.7	215.7	228.8	255.7	335.1	608.2	339.9	252.7	219.2	200.7	198.3
77.5°	170.3	173.8	184.0	201.3	227.0	292.7	235.4	200.1	176.8	159.5	155.9
80°	126.7	130.2	147.0	155.3	163.1	203.1	173.8	156.5	139.8	119.5	115.9
82.5°	83.0	86.6	107.5	112.3	110.5	132.6	117.1	115.3	102.8	77.1	73.5
85°	54.4	55.6	71.7	74.7	68.7	60.3	74.7	78.9	71.7	50.2	48.4
87.5°	25.7	25.7	36.4	34.1	31.1	25.1	34.1	40.0	40.6	24.5	23.9
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)