

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: P316429

Luminaire Tested: **GAN-SA5A-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22283 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

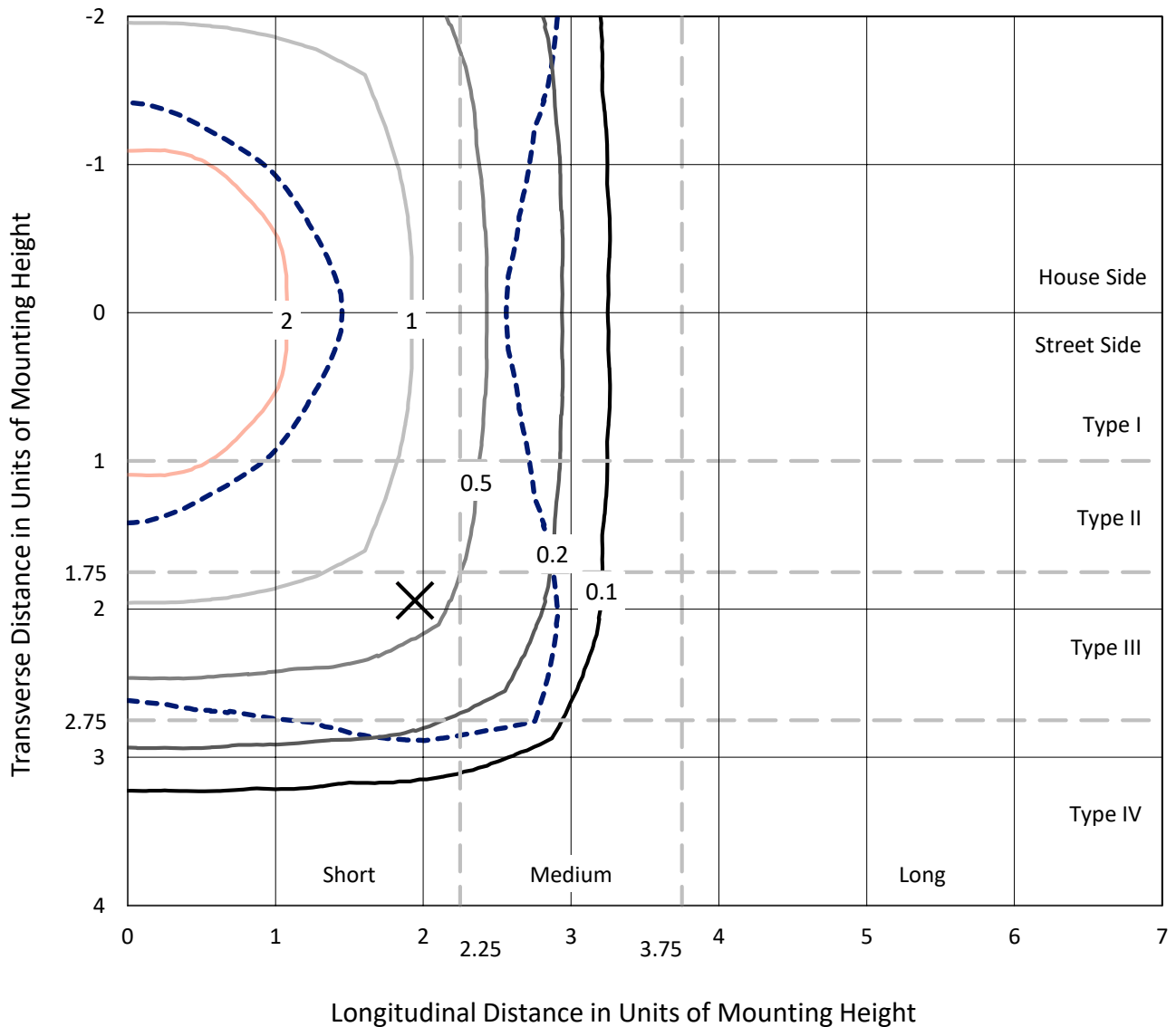
Input Watts (W): 162
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

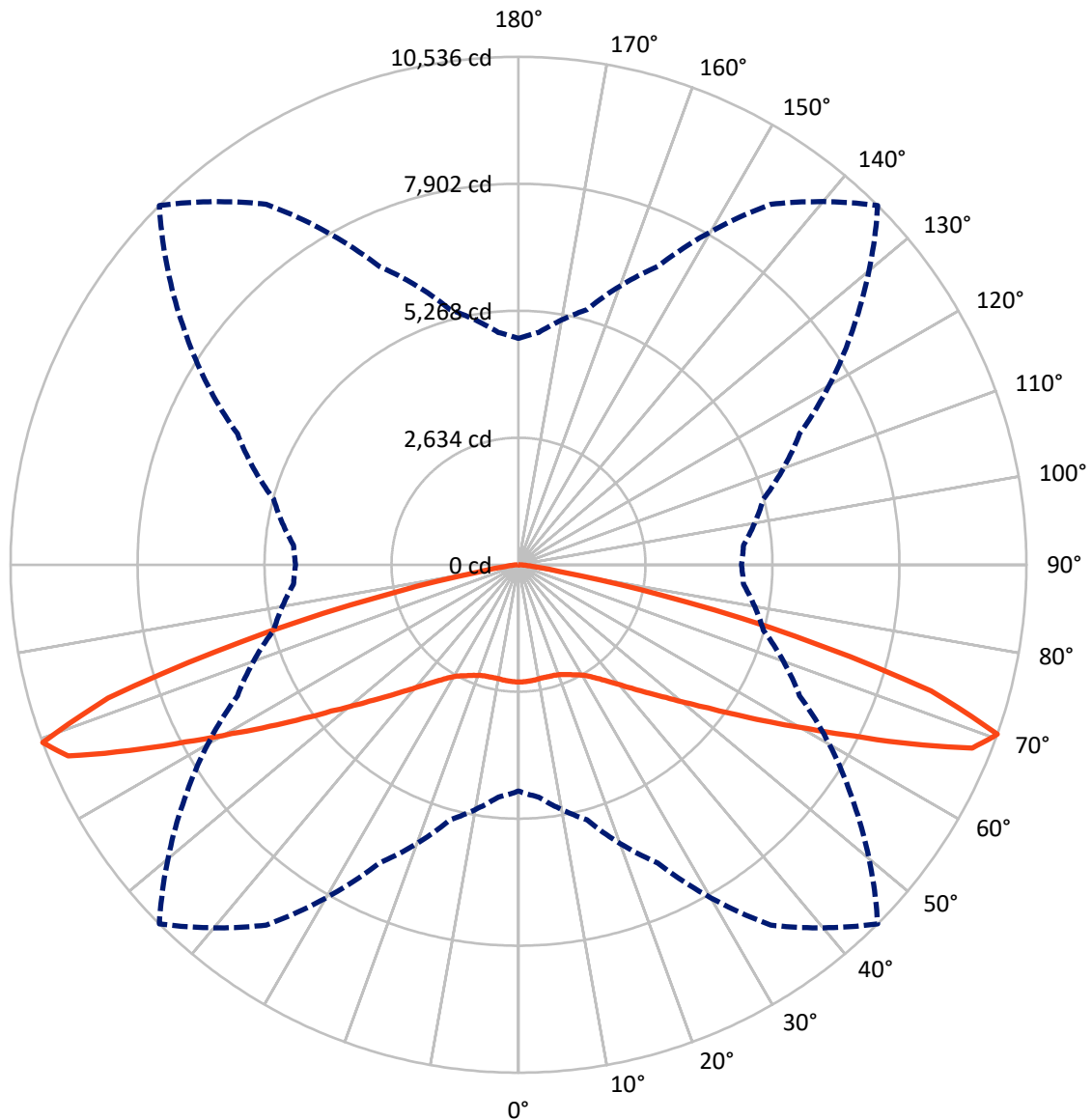
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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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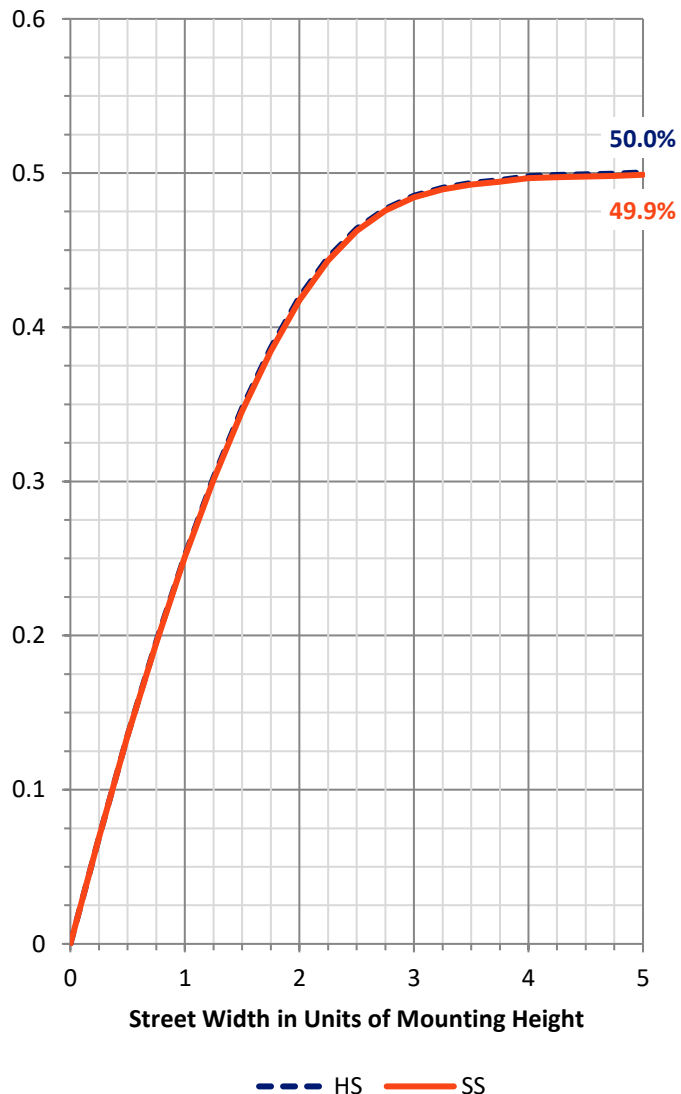
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11141.5	0.0	11141.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11141.5	0.0	11141.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22283.0	0.0	22283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	1.0
10°-20°	676.7	3.0
20°-30°	1151.9	5.2
30°-40°	1826.9	8.2
40°-50°	2972.9	13.3
50°-60°	4901.9	22.0
60°-70°	7196.1	32.3
70°-80°	3182.1	14.3
80°-90°	144.1	0.6
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°	22283.0	100.0
0°-180°	22283.0	100.0

Coefficient of Utilization



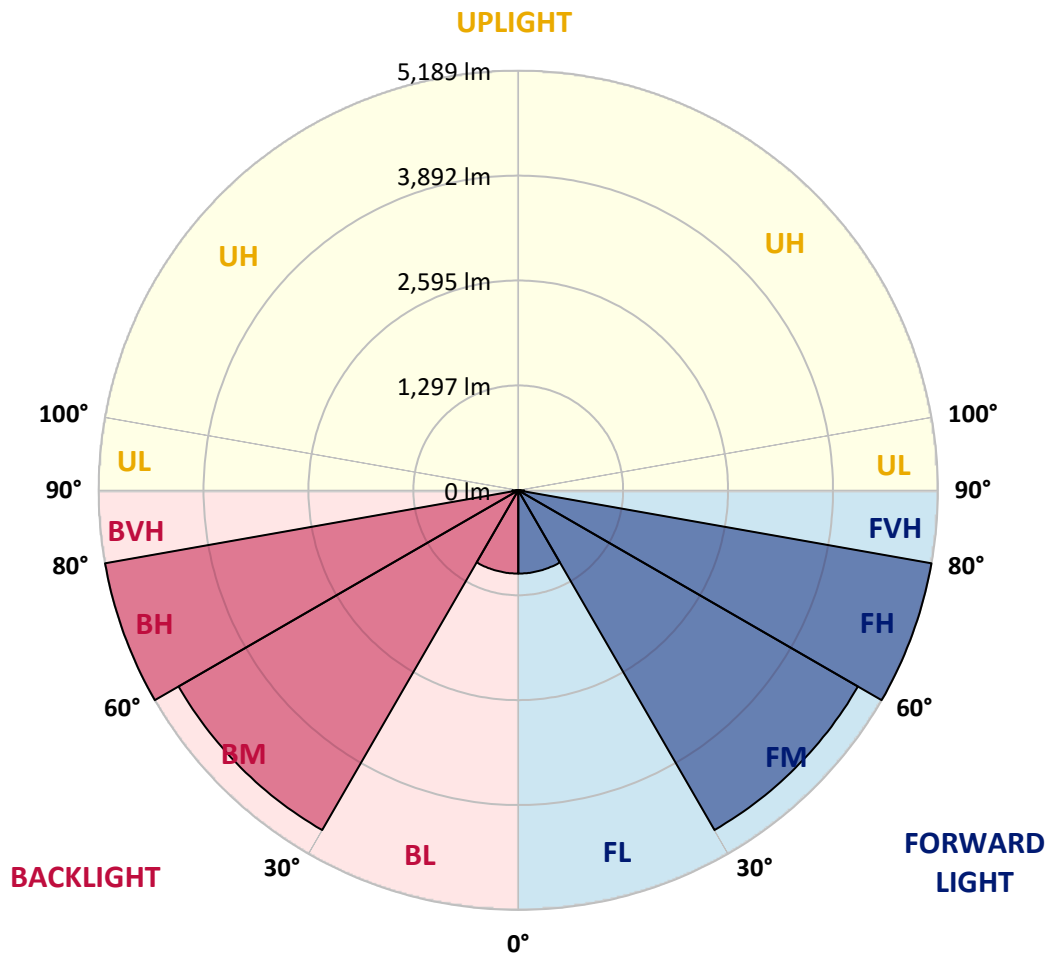
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.5	4.6			
FM (30°-60°)	4850.9	21.8			
FH (60°-80°)	5189.1	23.3			G3/7500
FVH (80°-90°)	72.1	0.3			G1/100
BL (0°-30°)	1029.5	4.6	B3/2500		
BM (30°-60°)	4850.9	21.8	B3/5000		
BH (60°-80°)	5189.1	23.3	B5		G3/7500
BVH (80°-90°)	72.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7	2433.7
2.5°	2430.0	2427.8	2432.9	2432.2	2427.8	2428.5	2428.5	2430.7	2430.7	2429.2	2429.2
5°	2421.1	2419.6	2425.5	2425.5	2421.1	2422.6	2424.1	2426.3	2425.5	2424.1	2423.3
7.5°	2410.1	2409.3	2415.2	2415.2	2412.3	2413.7	2412.3	2413.0	2411.5	2410.1	2407.8
10°	2391.6	2393.1	2398.3	2399.7	2399.7	2400.5	2399.0	2395.3	2393.1	2390.9	2388.7
12.5°	2374.7	2373.9	2381.3	2385.0	2390.9	2397.5	2393.1	2382.8	2378.3	2373.9	2372.4
15°	2363.6	2364.3	2371.7	2378.3	2388.7	2402.7	2397.5	2381.3	2372.4	2367.3	2365.8
17.5°	2361.4	2362.9	2372.4	2384.2	2395.3	2410.8	2407.8	2391.6	2376.9	2367.3	2365.1
20°	2366.5	2367.3	2382.0	2399.0	2418.2	2432.9	2426.3	2408.6	2388.7	2373.9	2370.2
22.5°	2376.1	2379.1	2397.5	2424.1	2453.6	2473.5	2465.4	2435.1	2404.2	2385.7	2380.6
25°	2406.4	2407.1	2432.2	2468.3	2503.7	2526.6	2517.0	2474.2	2434.4	2413.7	2407.1
27.5°	2469.0	2471.3	2496.3	2538.4	2568.6	2583.4	2577.5	2542.8	2508.9	2486.7	2489.0
30°	2559.8	2562.7	2590.7	2637.2	2655.6	2659.3	2657.8	2641.6	2610.6	2581.1	2583.4
32.5°	2670.4	2671.9	2709.5	2751.5	2766.2	2769.2	2766.2	2751.5	2714.6	2674.8	2677.0
35°	2812.7	2817.1	2853.3	2893.8	2905.6	2911.5	2906.4	2887.2	2848.8	2809.8	2808.3
37.5°	2988.2	2989.0	3026.6	3068.6	3083.4	3084.8	3078.9	3066.4	3018.5	2983.1	2980.9
40°	3191.8	3194.7	3239.0	3284.0	3289.9	3283.2	3291.3	3284.0	3234.5	3194.0	3200.6
42.5°	3439.6	3446.2	3499.3	3543.5	3526.6	3522.9	3528.1	3530.3	3490.4	3441.0	3436.6
45°	3727.9	3733.8	3800.2	3835.6	3824.5	3800.2	3810.5	3828.2	3772.9	3711.7	3717.6
47.5°	4056.8	4071.6	4142.4	4175.6	4148.3	4115.1	4135.0	4161.5	4096.6	4020.7	4017.0
50°	4422.6	4441.0	4535.4	4581.9	4554.6	4493.4	4526.6	4544.3	4450.6	4352.5	4344.4
52.5°	4812.7	4831.2	4949.9	5045.8	5028.1	4932.9	4979.4	4961.0	4853.3	4721.3	4711.0
55°	5254.5	5261.8	5390.2	5545.0	5562.7	5492.7	5489.7	5459.5	5300.2	5147.5	5140.2
57.5°	5708.8	5713.9	5879.8	6062.7	6146.1	6146.1	6063.5	5999.3	5787.7	5610.7	5592.2
60°	6199.2	6217.6	6401.2	6649.8	6844.5	6902.0	6756.0	6581.2	6351.1	6135.0	6113.6
62.5°	6635.8	6657.1	6938.1	7308.3	7621.0	7830.5	7473.5	7188.9	6770.0	6423.4	6382.8
65°	6691.1	6748.6	7157.9	7828.2	8528.1	8946.2	8261.9	7560.5	6797.3	6315.7	6274.4
67.5°	6110.7	6208.0	6761.1	7804.6	9250.8	10148.3	8765.6	7348.1	6307.6	5775.1	5729.4
70°	4695.5	4837.1	5475.0	6826.8	9126.2	10535.5	8449.9	6432.9	5258.9	4685.9	4621.7
72.5°	2576.0	2634.2	3208.0	4674.8	7316.4	8952.9	7048.0	4756.7	3487.5	2837.8	2730.1
75°	817.1	837.8	1129.8	1913.0	4138.7	5930.0	4477.2	2334.8	1285.4	947.6	936.6
77.5°	362.8	365.0	408.6	558.3	1425.5	3004.5	1712.4	635.7	438.1	382.7	395.3
80°	229.4	229.4	253.0	276.6	387.9	872.4	463.1	302.4	258.1	239.7	244.8
82.5°	109.9	121.7	164.5	177.0	213.1	293.5	237.5	197.6	172.6	128.3	119.5
85°	72.3	60.5	104.0	117.3	123.9	140.9	137.9	130.5	112.8	64.2	71.5
87.5°	32.4	31.0	53.8	49.4	46.5	35.4	53.1	65.6	63.4	31.7	31.7
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)