

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: P316320

Luminaire Tested: **GAN-SA6B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316320
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-SA6B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 28608 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

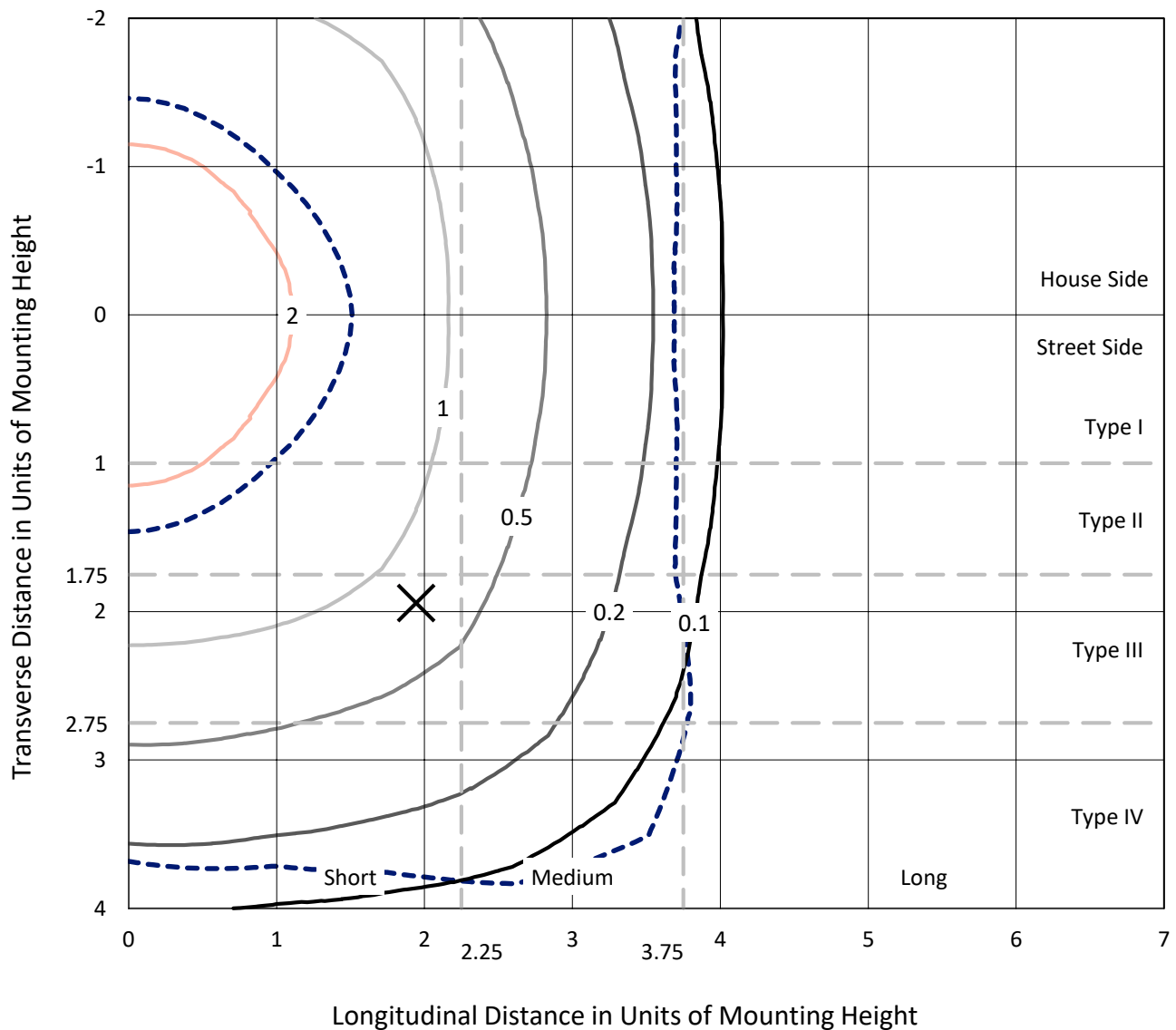
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

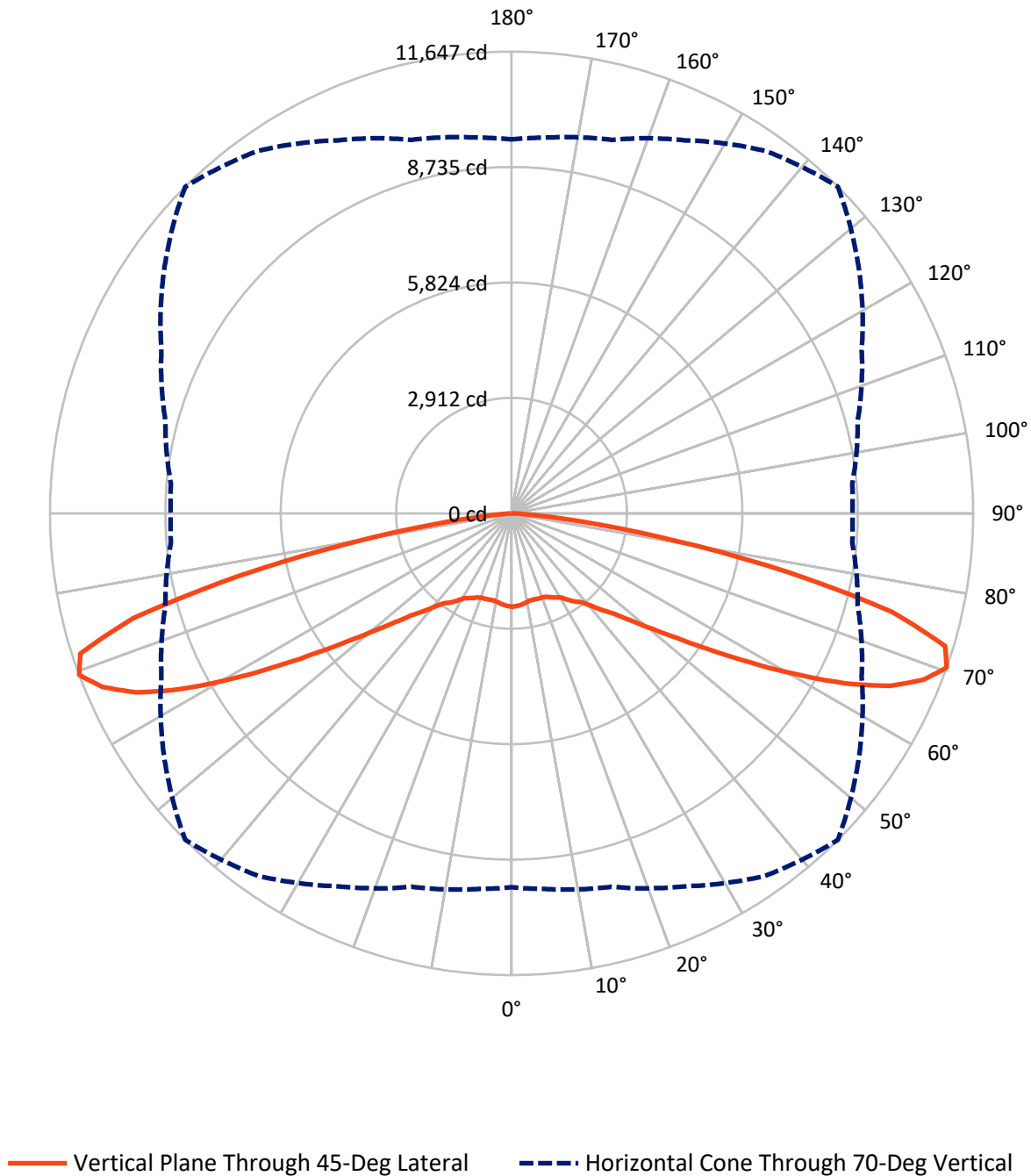
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14304.0	0.0	14304.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14304.0	0.0	14304.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28608.0	0.0	28608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	0.8
10°-20°	641.9	2.2
20°-30°	1094.4	3.8
30°-40°	1710.0	6.0
40°-50°	2898.1	10.1
50°-60°	5284.9	18.5
60°-70°	9098.4	31.8
70°-80°	7131.7	24.9
80°-90°	528.8	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°	28608.0	100.0
0°-180°	28608.0	100.0

Coefficient of Utilization



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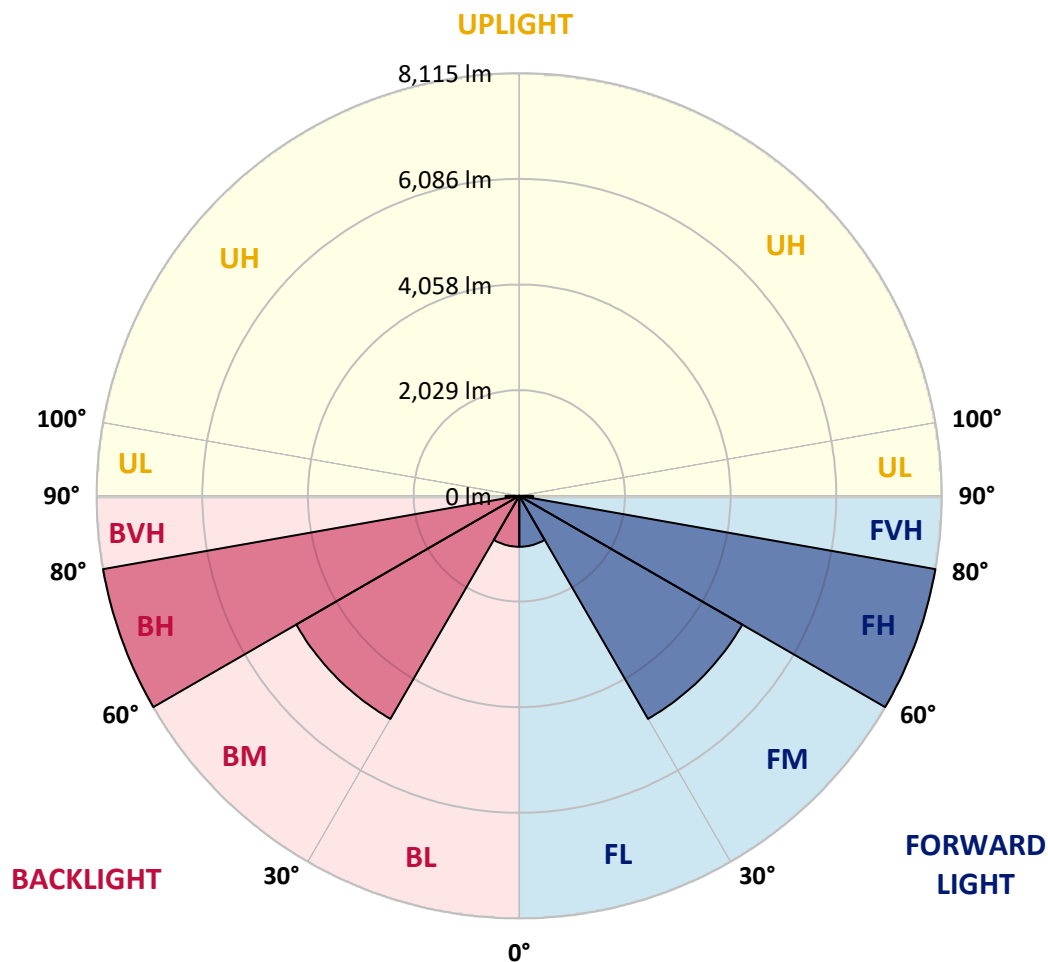
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	978.0	3.4			
FM	(30°-60°)	4946.5	17.3			
FH	(60°-80°)	8115.0	28.4			G4/12000
FVH	(80°-90°)	264.4	0.9			G3/500
BL	(0°-30°)	978.0	3.4	B2/1000		
BM	(30°-60°)	4946.5	17.3	B3/5000		
BH	(60°-80°)	8115.0	28.4	B5		G4/12000
BVH	(80°-90°)	264.4	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°	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4	2354.4
2.5°	2344.0	2346.9	2344.0	2345.9	2341.2	2343.1	2343.1	2343.1	2342.1	2343.1	2341.2
5°	2323.2	2325.1	2321.3	2323.2	2320.4	2323.2	2324.2	2323.2	2321.3	2322.3	2318.5
7.5°	2292.0	2293.9	2291.0	2293.9	2290.1	2294.8	2293.9	2291.0	2288.2	2288.2	2284.4
10°	2275.0	2275.9	2268.3	2265.5	2257.0	2258.9	2261.7	2264.5	2267.4	2273.1	2272.1
12.5°	2275.9	2275.9	2264.5	2252.2	2239.9	2242.8	2247.5	2257.9	2269.3	2279.7	2280.6
15°	2285.4	2284.4	2267.4	2247.5	2239.0	2247.5	2250.3	2257.0	2275.0	2292.9	2293.9
17.5°	2292.0	2292.0	2265.5	2242.8	2241.8	2255.1	2254.1	2257.0	2276.8	2303.3	2304.3
20°	2304.3	2304.3	2270.2	2245.6	2245.6	2259.8	2260.8	2265.5	2285.4	2314.7	2319.4
22.5°	2331.7	2332.7	2296.7	2276.8	2278.7	2287.3	2290.1	2297.7	2315.6	2347.8	2353.5
25°	2370.5	2372.4	2335.5	2324.2	2330.8	2346.9	2345.0	2350.7	2370.5	2401.8	2407.4
27.5°	2424.5	2419.7	2385.7	2380.9	2387.6	2398.9	2398.0	2398.9	2415.0	2443.4	2450.0
30°	2494.5	2492.6	2468.0	2470.8	2468.0	2464.2	2465.2	2472.7	2481.2	2504.0	2510.6
32.5°	2562.6	2564.5	2549.4	2563.6	2584.4	2598.6	2576.8	2556.0	2546.5	2558.8	2564.5
35°	2685.7	2690.4	2666.7	2657.3	2685.7	2727.3	2665.8	2631.7	2650.6	2666.7	2671.5
37.5°	2894.8	2897.6	2857.9	2820.0	2799.2	2839.0	2777.4	2780.3	2846.5	2876.8	2875.9
40°	3133.3	3134.2	3107.7	3074.6	3038.6	3048.1	3023.5	3031.1	3074.6	3102.0	3109.6
42.5°	3417.2	3414.3	3372.7	3325.4	3315.0	3324.4	3282.8	3277.1	3327.3	3376.5	3377.4
45°	3785.3	3778.7	3724.7	3672.7	3622.5	3601.7	3591.3	3618.7	3687.8	3733.2	3734.2
47.5°	4181.8	4163.8	4135.4	4093.8	4050.2	4029.4	4012.4	4025.6	4075.8	4093.8	4095.7
50°	4589.6	4593.4	4599.1	4583.0	4566.9	4560.3	4515.8	4490.3	4505.4	4472.3	4467.6
52.5°	5073.2	5080.8	5135.7	5182.0	5209.5	5223.7	5139.5	5051.5	5002.2	4937.9	4919.0
55°	5643.8	5656.2	5736.6	5865.3	5997.8	6067.8	5915.4	5750.8	5598.4	5478.2	5439.4
57.5°	6279.8	6301.5	6412.3	6659.2	6930.8	7096.4	6839.0	6540.0	6245.7	6072.5	6042.2
60°	7025.5	7046.3	7199.6	7553.5	7993.6	8242.4	7852.6	7363.3	6997.1	6831.5	6775.6
62.5°	7913.1	7915.0	8103.3	8516.9	9097.9	9444.3	8916.2	8262.3	7884.7	7685.1	7631.1
65°	8868.0	8872.7	9067.6	9514.3	10115.2	10491.8	9895.7	9214.3	8752.5	8458.2	8416.6
67.5°	9542.7	9562.6	9767.9	10305.4	10867.5	11207.3	10590.3	9820.0	9286.2	8935.1	8900.1
70°	9434.8	9512.4	9753.7	10381.1	11162.8	11647.3	10702.9	9748.0	9044.0	8629.5	8600.1
72.5°	8228.2	8376.8	8698.6	9521.9	10772.0	11439.1	10088.7	8730.7	7933.9	7581.0	7528.0
75°	5603.2	5844.5	6329.9	7517.6	9203.0	9904.2	8493.2	6961.1	6211.6	5723.3	5687.4
77.5°	2498.3	2553.2	3168.3	4535.7	6350.7	7112.5	6170.9	4553.7	3418.1	2726.3	2580.6
80°	696.5	705.0	940.6	1689.2	3178.7	4178.9	3412.4	1774.3	997.4	703.1	662.4
82.5°	221.4	240.4	293.4	438.1	1068.4	1906.8	1096.8	473.2	336.9	268.8	242.3
85°	107.9	106.9	148.6	177.9	272.5	422.1	290.5	219.5	192.1	127.8	115.5
87.5°	45.4	46.4	69.1	62.5	79.5	68.1	93.7	98.4	103.1	56.8	49.2
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)