

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: P316272

Luminaire Tested: **GAN-SA8A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316272
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-SA8A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28919 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

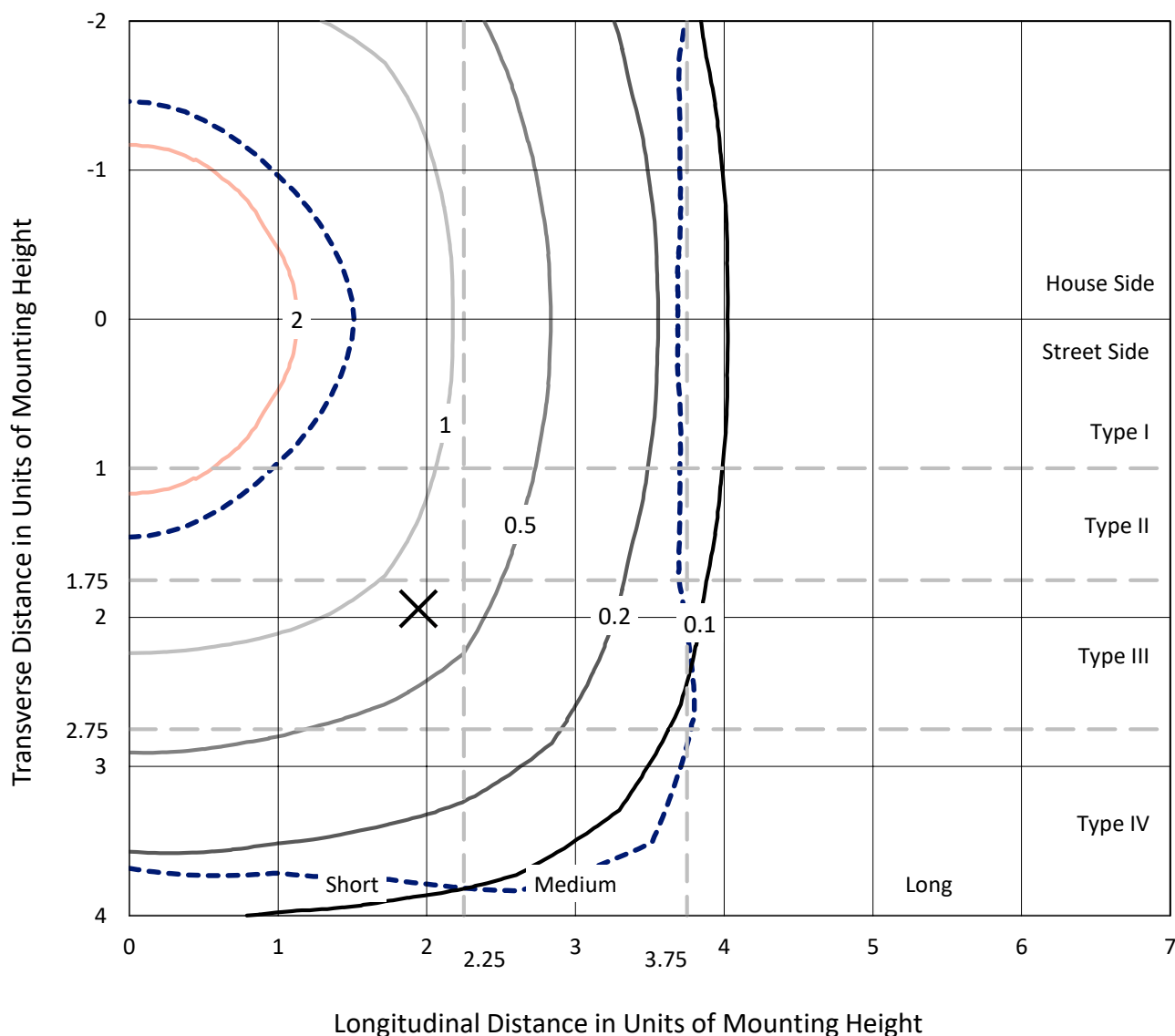
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

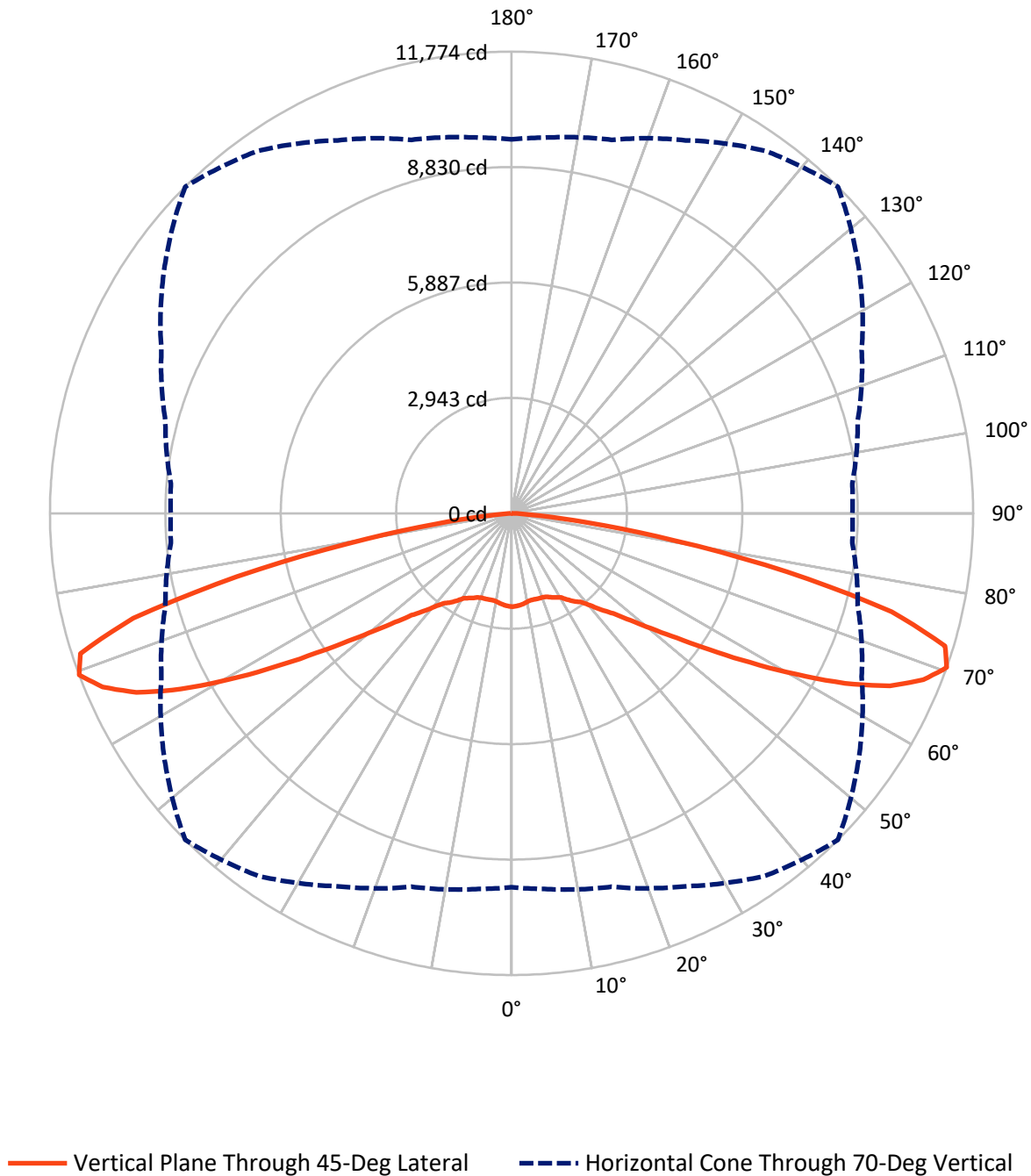
✕ Max cd
 - - - 1/2 Max cd



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	14459.5	0.0	14459.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14459.5	0.0	14459.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28919.0	0.0	28919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	0.8
10°-20°	648.9	2.2
20°-30°	1106.3	3.8
30°-40°	1728.6	6.0
40°-50°	2929.6	10.1
50°-60°	5342.4	18.5
60°-70°	9197.3	31.8
70°-80°	7209.2	24.9
80°-90°	534.6	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°	28919.0	100.0
0°-180°	28919.0	100.0

Coefficient of Utilization



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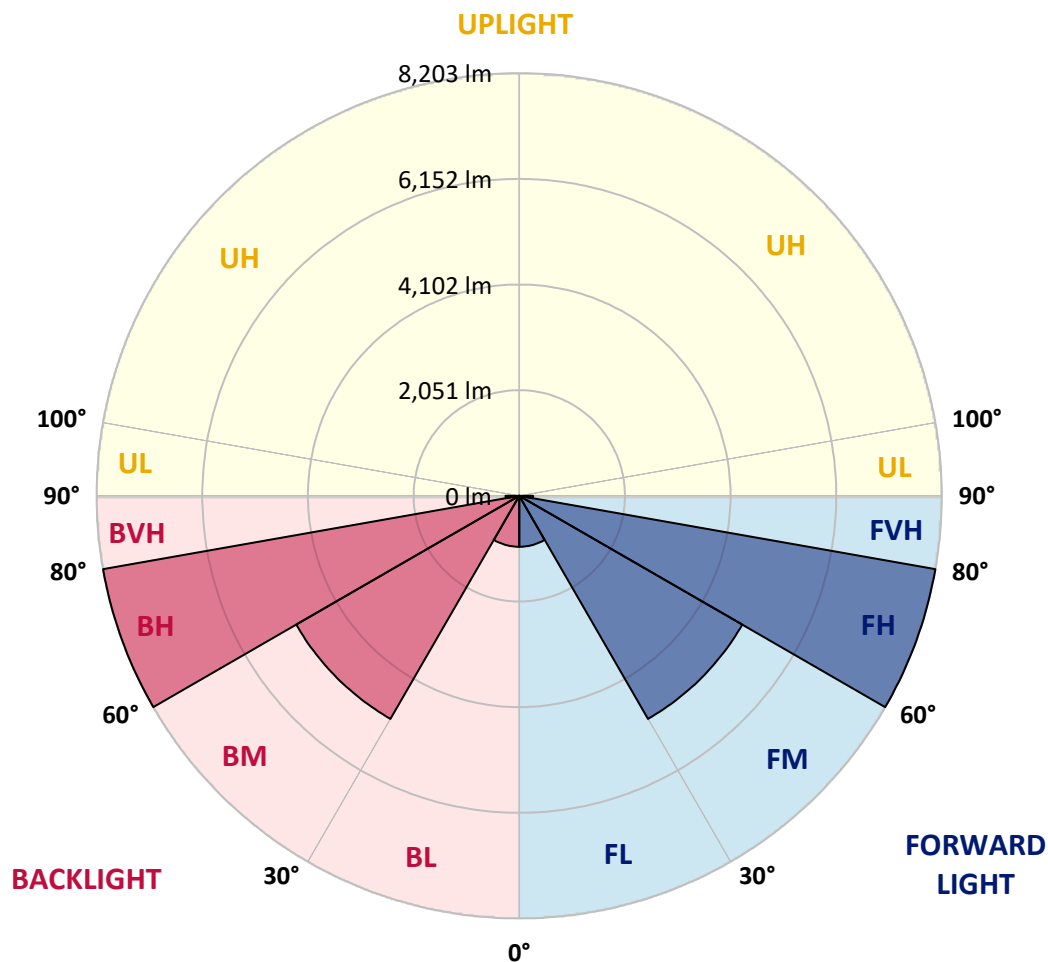
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.7	3.4			
FM	(30°-60°)	5000.3	17.3			
FH	(60°-80°)	8203.2	28.4			G4/12000
FVH	(80°-90°)	267.3	0.9			G3/500
BL	(0°-30°)	988.7	3.4	B2/1000		
BM	(30°-60°)	5000.3	17.3	B4/8500		
BH	(60°-80°)	8203.2	28.4	B5		G4/12000
BVH	(80°-90°)	267.3	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°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2.5°	2369.5	2372.4	2369.5	2371.4	2366.6	2368.6	2368.6	2368.6	2367.6	2368.6	2366.6
5°	2348.5	2350.4	2346.6	2348.5	2345.6	2348.5	2349.4	2348.5	2346.6	2347.5	2343.7
7.5°	2316.9	2318.8	2315.9	2318.8	2315.0	2319.8	2318.8	2315.9	2313.1	2313.1	2309.2
10°	2299.7	2300.6	2293.0	2290.1	2281.5	2283.4	2286.3	2289.2	2292.0	2297.8	2296.8
12.5°	2300.6	2300.6	2289.2	2276.7	2264.3	2267.2	2271.9	2282.5	2293.9	2304.5	2305.4
15°	2310.2	2309.2	2292.0	2271.9	2263.3	2271.9	2274.8	2281.5	2299.7	2317.9	2318.8
17.5°	2316.9	2316.9	2290.1	2267.2	2266.2	2279.6	2278.6	2281.5	2301.6	2328.4	2329.3
20°	2329.3	2329.3	2294.9	2270.0	2270.0	2284.4	2285.3	2290.1	2310.2	2339.9	2344.6
22.5°	2357.1	2358.0	2321.7	2301.6	2303.5	2312.1	2315.0	2322.6	2340.8	2373.3	2379.1
25°	2396.3	2398.2	2360.9	2349.4	2356.1	2372.4	2370.5	2376.2	2396.3	2427.9	2433.6
27.5°	2450.8	2446.0	2411.6	2406.8	2413.5	2425.0	2424.0	2425.0	2441.3	2470.0	2476.7
30°	2521.6	2519.7	2494.8	2497.7	2494.8	2491.0	2492.0	2499.6	2508.2	2531.2	2537.9
32.5°	2590.5	2592.4	2577.1	2591.4	2612.5	2626.8	2604.8	2583.8	2574.2	2586.7	2592.4
35°	2714.9	2719.6	2695.7	2686.2	2714.9	2756.9	2694.8	2660.3	2679.5	2695.7	2700.5
37.5°	2926.3	2929.1	2889.0	2850.7	2829.6	2869.8	2807.6	2810.5	2877.5	2908.1	2907.1
40°	3167.3	3168.3	3141.5	3108.0	3071.7	3081.2	3056.4	3064.0	3108.0	3135.8	3143.4
42.5°	3454.3	3451.4	3409.3	3361.5	3351.0	3360.6	3318.5	3312.7	3363.4	3413.2	3414.1
45°	3826.4	3819.7	3765.2	3712.6	3661.9	3640.8	3630.3	3658.1	3727.9	3773.8	3774.8
47.5°	4227.2	4209.1	4180.4	4138.3	4094.3	4073.2	4056.0	4069.4	4120.1	4138.3	4140.2
50°	4639.5	4643.4	4649.1	4632.8	4616.6	4609.9	4564.9	4539.1	4554.4	4520.9	4516.1
52.5°	5128.4	5136.0	5191.5	5238.4	5266.1	5280.5	5195.3	5106.4	5056.6	4991.6	4972.4
55°	5705.2	5717.6	5799.0	5929.0	6063.0	6133.8	5979.7	5813.3	5659.3	5537.8	5498.6
57.5°	6348.0	6370.0	6482.0	6731.6	7006.2	7173.6	6913.4	6611.1	6313.6	6138.5	6107.9
60°	7101.8	7122.9	7277.9	7635.6	8080.5	8332.0	7937.9	7443.4	7073.2	6905.7	6849.3
62.5°	7999.1	8001.1	8191.4	8609.5	9196.8	9546.9	9013.1	8352.1	7970.4	7768.6	7714.1
65°	8964.4	8969.1	9166.2	9617.7	10225.2	10605.9	10003.2	9314.5	8847.7	8550.2	8508.1
67.5°	9646.4	9666.5	9874.1	10417.4	10985.7	11329.1	10705.4	9926.7	9387.2	9032.3	8996.9
70°	9537.4	9615.8	9859.7	10494.0	11284.1	11773.9	10819.2	9854.0	9142.3	8723.3	8693.6
72.5°	8317.7	8467.9	8793.1	9625.4	10889.1	11563.5	10198.4	8825.7	8020.2	7663.4	7609.8
75°	5664.1	5908.0	6398.7	7599.3	9303.0	10011.8	8585.5	7036.8	6279.2	5785.6	5749.2
77.5°	2525.4	2580.9	3202.7	4585.0	6419.8	7189.9	6238.0	4603.2	3455.3	2756.0	2608.7
80°	704.1	712.7	950.9	1707.5	3213.2	4224.4	3449.5	1793.6	1008.3	710.8	669.6
82.5°	223.8	243.0	296.5	442.9	1080.0	1927.6	1108.7	478.3	340.6	271.7	244.9
85°	109.1	108.1	150.2	179.8	275.5	426.6	293.7	221.9	194.2	129.1	116.7
87.5°	45.9	46.9	69.8	63.1	80.4	68.9	94.7	99.5	104.3	57.4	49.7
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)