

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: P316312

Luminaire Tested: **GAN-SA8A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316312
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 31260 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

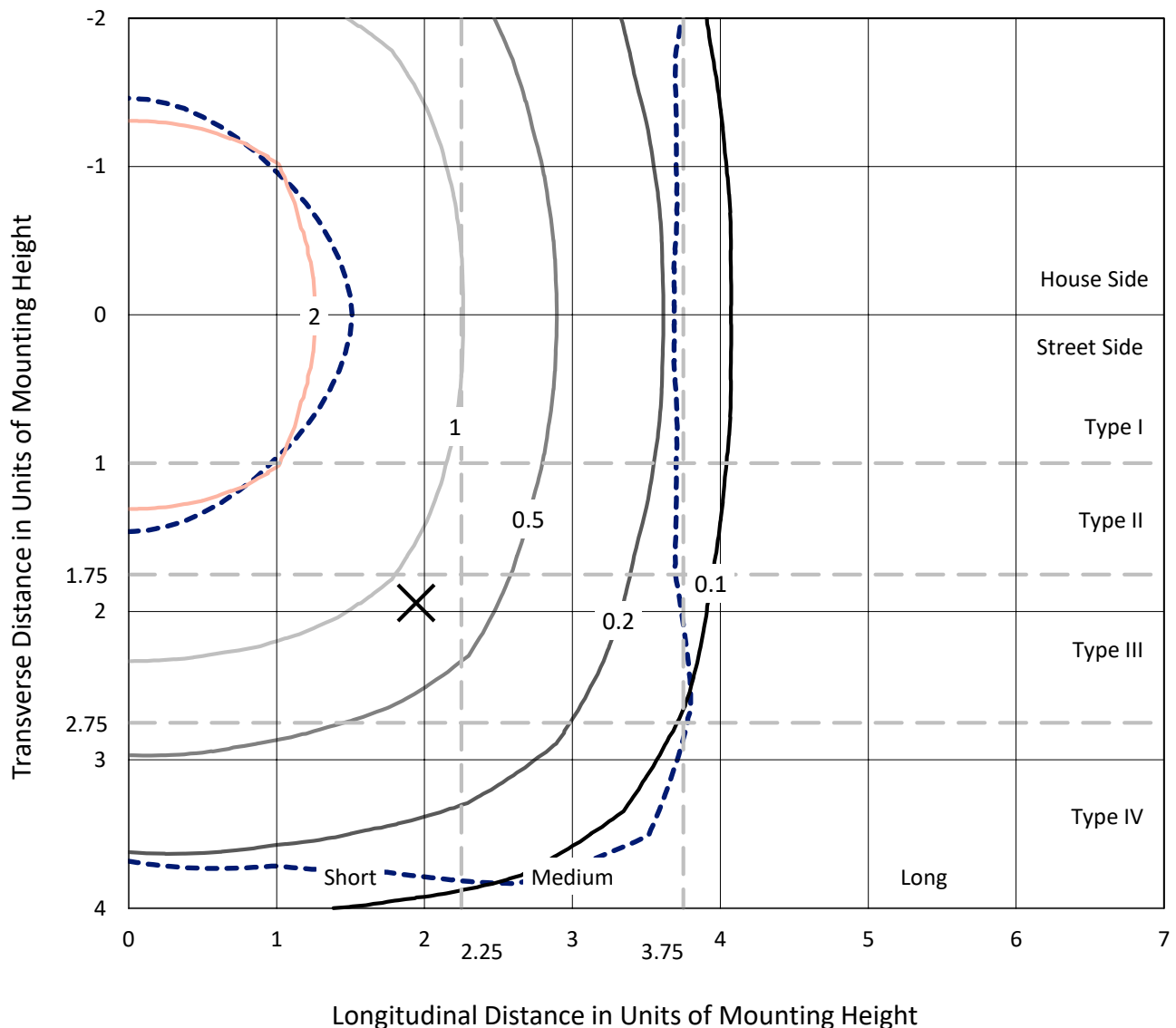
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

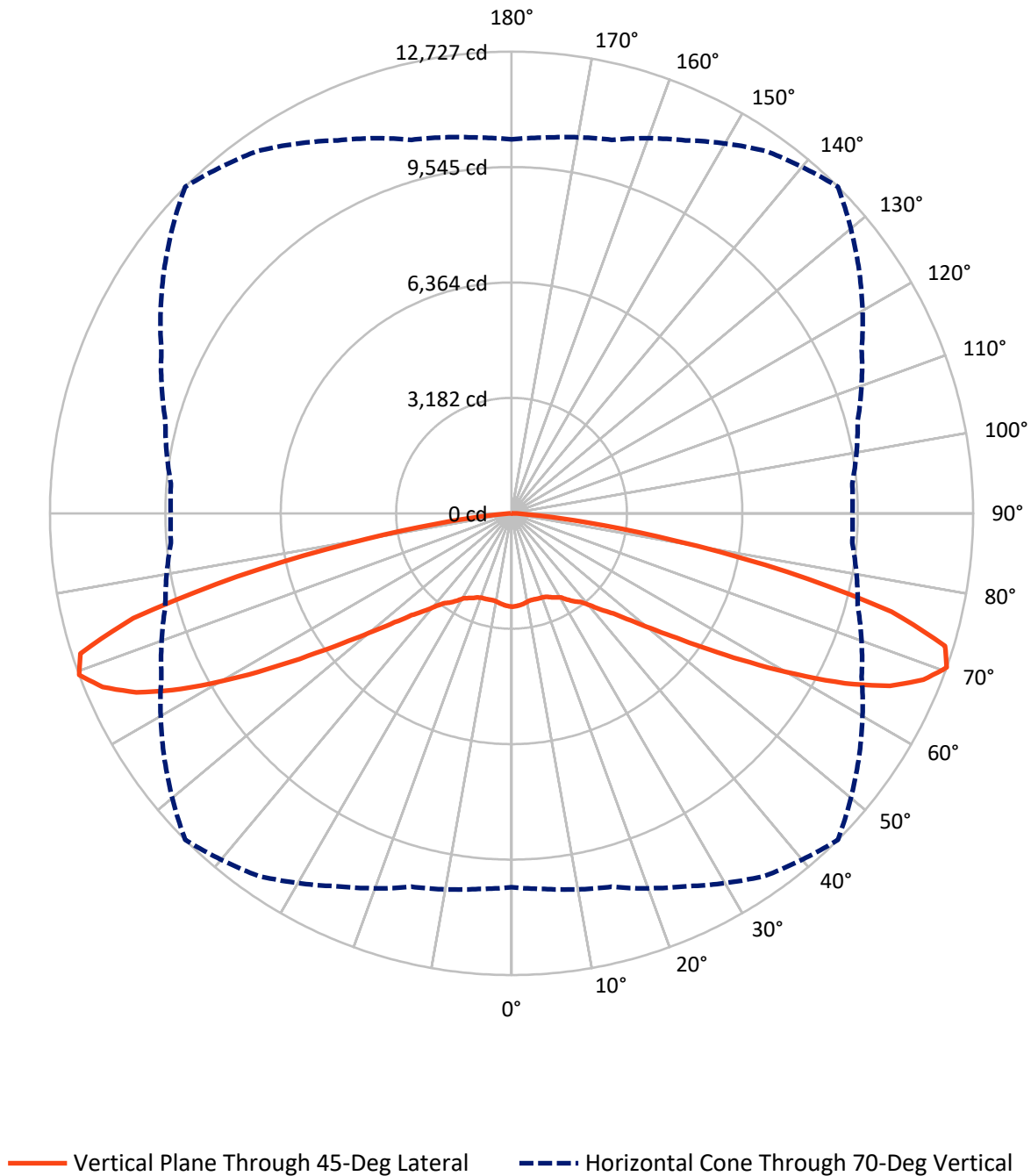
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	15630.0	0.0	15630.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15630.0	0.0	15630.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31260.0	0.0	31260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.1	0.8
10°-20°	701.4	2.2
20°-30°	1195.9	3.8
30°-40°	1868.6	6.0
40°-50°	3166.8	10.1
50°-60°	5774.9	18.5
60°-70°	9941.8	31.8
70°-80°	7792.8	24.9
80°-90°	577.8	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°	31260.0	100.0
0°-180°	31260.0	100.0

Coefficient of Utilization



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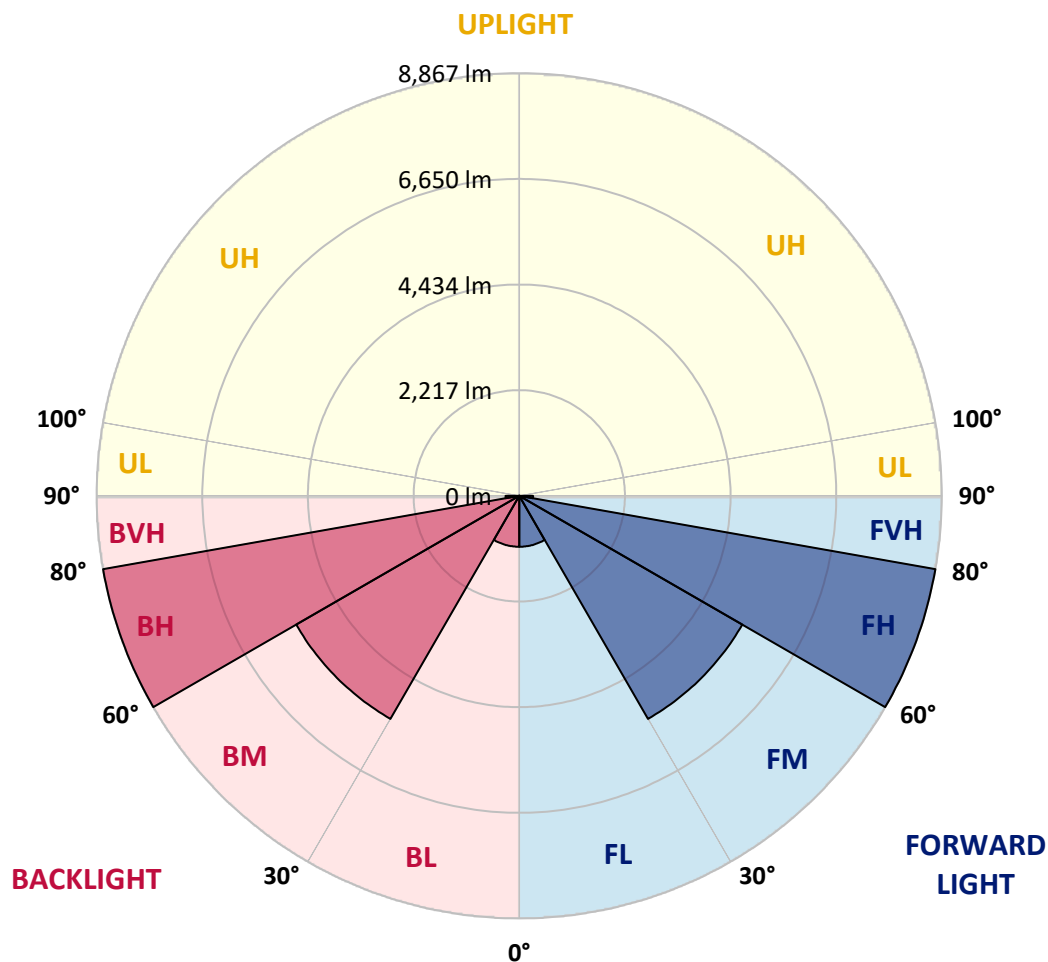
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1068.7	3.4			
FM	(30°-60°)	5405.1	17.3			
FH	(60°-80°)	8867.3	28.4			G4/12000
FVH	(80°-90°)	288.9	0.9			G3/500
BL	(0°-30°)	1068.7	3.4	B3/2500		
BM	(30°-60°)	5405.1	17.3	B4/8500		
BH	(60°-80°)	8867.3	28.4	B5		G4/12000
BVH	(80°-90°)	288.9	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°	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7	2572.7
2.5°	2561.3	2564.4	2561.3	2563.4	2558.2	2560.3	2560.3	2560.3	2559.3	2560.3	2558.2
5°	2538.6	2540.6	2536.5	2538.6	2535.5	2538.6	2539.6	2538.6	2536.5	2537.5	2533.4
7.5°	2504.5	2506.5	2503.4	2506.5	2502.4	2507.6	2506.5	2503.4	2500.3	2500.3	2496.2
10°	2485.8	2486.9	2478.6	2475.5	2466.2	2468.3	2471.4	2474.5	2477.6	2483.8	2482.7
12.5°	2486.9	2486.9	2474.5	2461.0	2447.6	2450.7	2455.9	2467.2	2479.6	2491.0	2492.0
15°	2497.2	2496.2	2477.6	2455.9	2446.5	2455.9	2459.0	2466.2	2485.8	2505.5	2506.5
17.5°	2504.5	2504.5	2475.5	2450.7	2449.7	2464.1	2463.1	2466.2	2487.9	2516.9	2517.9
20°	2517.9	2517.9	2480.7	2453.8	2453.8	2469.3	2470.3	2475.5	2497.2	2529.3	2534.4
22.5°	2547.9	2548.9	2509.6	2487.9	2490.0	2499.3	2502.4	2510.7	2530.3	2565.5	2571.7
25°	2590.3	2592.3	2552.0	2539.6	2546.9	2564.4	2562.4	2568.6	2590.3	2624.4	2630.6
27.5°	2649.2	2644.1	2606.8	2601.7	2608.9	2621.3	2620.3	2621.3	2638.9	2669.9	2677.1
30°	2725.7	2723.7	2696.8	2699.9	2696.8	2692.7	2693.7	2702.0	2711.3	2736.1	2743.3
32.5°	2800.2	2802.3	2785.7	2801.2	2824.0	2839.5	2815.7	2793.0	2782.6	2796.1	2802.3
35°	2934.6	2939.8	2913.9	2903.6	2934.6	2980.1	2912.9	2875.7	2896.4	2913.9	2919.1
37.5°	3163.1	3166.2	3122.8	3081.5	3058.7	3102.1	3034.9	3038.0	3110.4	3143.5	3142.5
40°	3423.7	3424.8	3395.8	3359.6	3320.3	3330.7	3303.8	3312.0	3359.6	3389.6	3397.9
42.5°	3733.9	3730.8	3685.3	3633.6	3622.3	3632.6	3587.1	3580.9	3635.7	3689.5	3690.5
45°	4136.2	4128.9	4070.0	4013.1	3958.3	3935.6	3924.2	3954.2	4029.7	4079.3	4080.3
47.5°	4569.4	4549.8	4518.8	4473.3	4425.7	4403.0	4384.3	4398.8	4453.6	4473.3	4475.3
50°	5015.1	5019.3	5025.5	5007.9	4990.3	4983.1	4934.5	4906.5	4923.1	4886.9	4881.7
52.5°	5543.5	5551.8	5611.8	5662.4	5692.4	5707.9	5615.9	5519.7	5466.0	5395.6	5375.0
55°	6167.0	6180.5	6268.4	6409.0	6553.8	6630.3	6463.8	6283.9	6117.4	5986.1	5943.7
57.5°	6861.9	6885.7	7006.7	7276.6	7573.3	7754.3	7473.0	7146.3	6824.7	6635.5	6602.4
60°	7676.7	7699.5	7867.0	8253.7	8734.6	9006.5	8580.5	8045.9	7645.7	7464.8	7403.8
62.5°	8646.7	8648.7	8854.5	9306.4	9941.3	10319.8	9742.8	9028.2	8615.7	8397.5	8338.5
65°	9690.0	9695.2	9908.2	10396.3	11052.9	11464.4	10813.0	10068.5	9563.9	9242.3	9196.8
67.5°	10427.3	10449.0	10673.4	11260.7	11875.0	12246.2	11572.0	10730.3	10147.1	9763.4	9725.2
70°	10309.4	10394.2	10657.9	11343.5	12197.6	12727.0	11695.0	10651.7	9882.4	9429.5	9397.4
72.5°	8991.0	9153.4	9504.9	10404.6	11770.5	12499.5	11023.9	9540.1	8669.4	8283.7	8225.8
75°	6122.6	6386.3	6916.7	8214.4	10056.1	10822.3	9280.5	7606.4	6787.5	6253.9	6214.6
77.5°	2729.9	2789.9	3462.0	4956.2	6939.5	7771.9	6743.0	4975.8	3735.0	2979.1	2819.8
80°	761.1	770.4	1027.8	1845.8	3473.4	4566.3	3728.8	1938.8	1089.9	768.3	723.8
82.5°	242.0	262.6	320.6	478.8	1167.4	2083.6	1198.5	517.0	368.1	293.7	264.7
85°	117.9	116.8	162.3	194.4	297.8	461.2	317.5	239.9	209.9	139.6	126.2
87.5°	49.6	50.7	75.5	68.2	86.9	74.5	102.4	107.5	112.7	62.0	53.8
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)