

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: P316313

Luminaire Tested: **GAN-SA9A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316313
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-SA9A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 34871 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 290
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

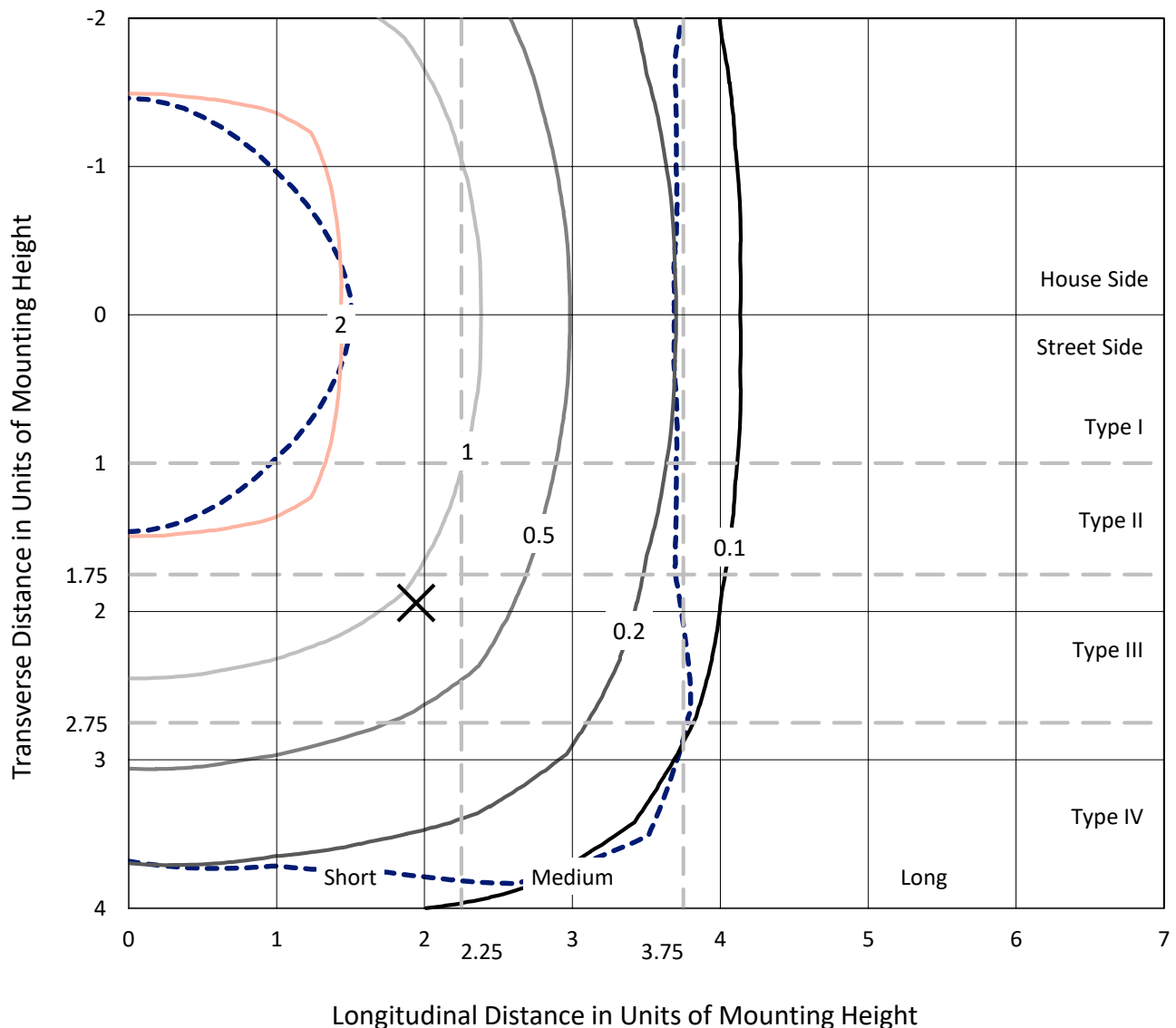


REPORT NUMBER: P316313

CATALOG NUMBER: GAN-SA9A-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

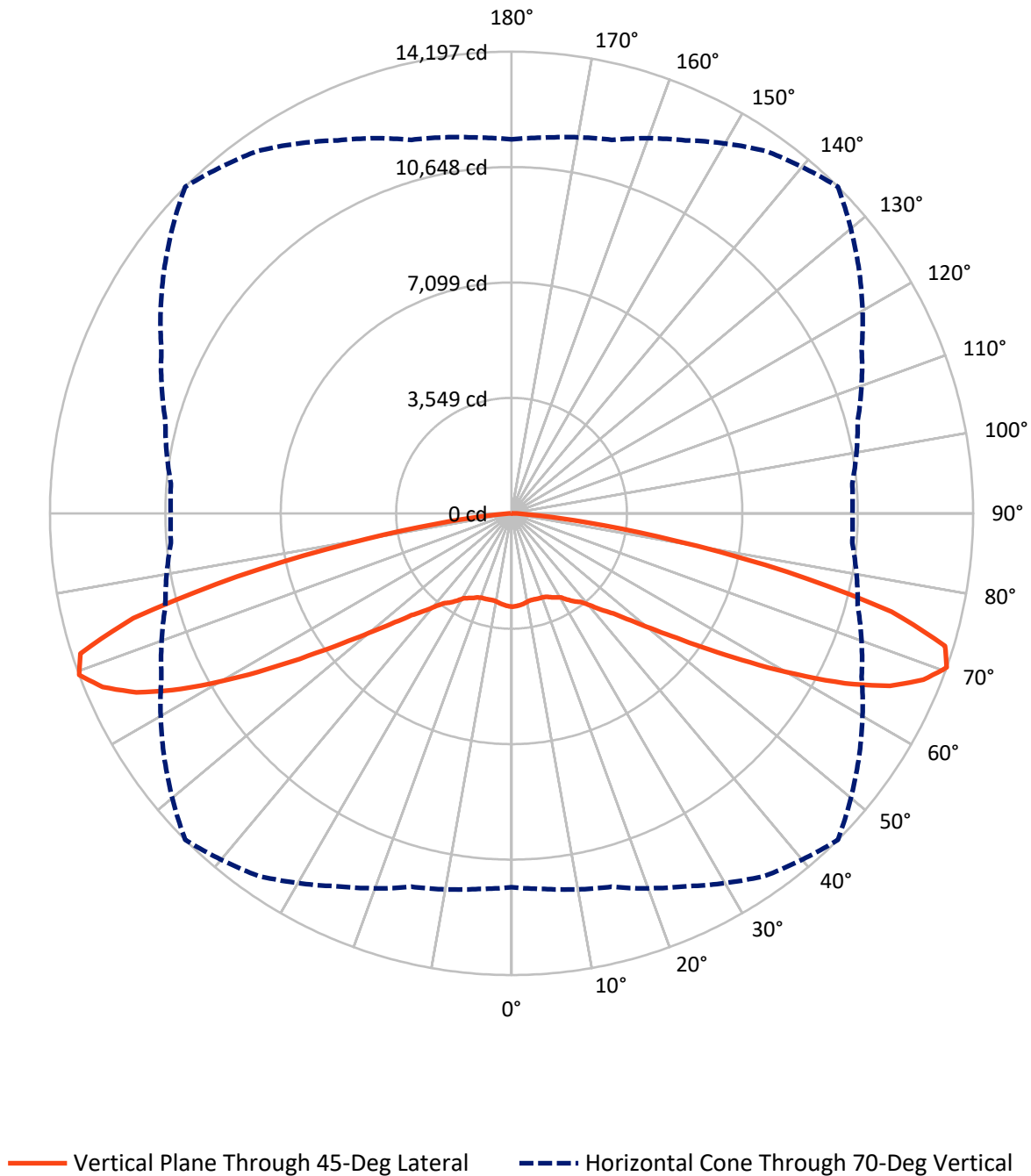
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316313
CATALOG NUMBER: GAN-SA9A-830-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17435.5	0.0	17435.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17435.5	0.0	17435.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34871.0	0.0	34871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	0.8
10°-20°	782.4	2.2
20°-30°	1334.0	3.8
30°-40°	2084.4	6.0
40°-50°	3532.6	10.1
50°-60°	6442.0	18.5
60°-70°	11090.3	31.8
70°-80°	8693.0	24.9
80°-90°	644.6	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°	34871.0	100.0
0°-180°	34871.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316313

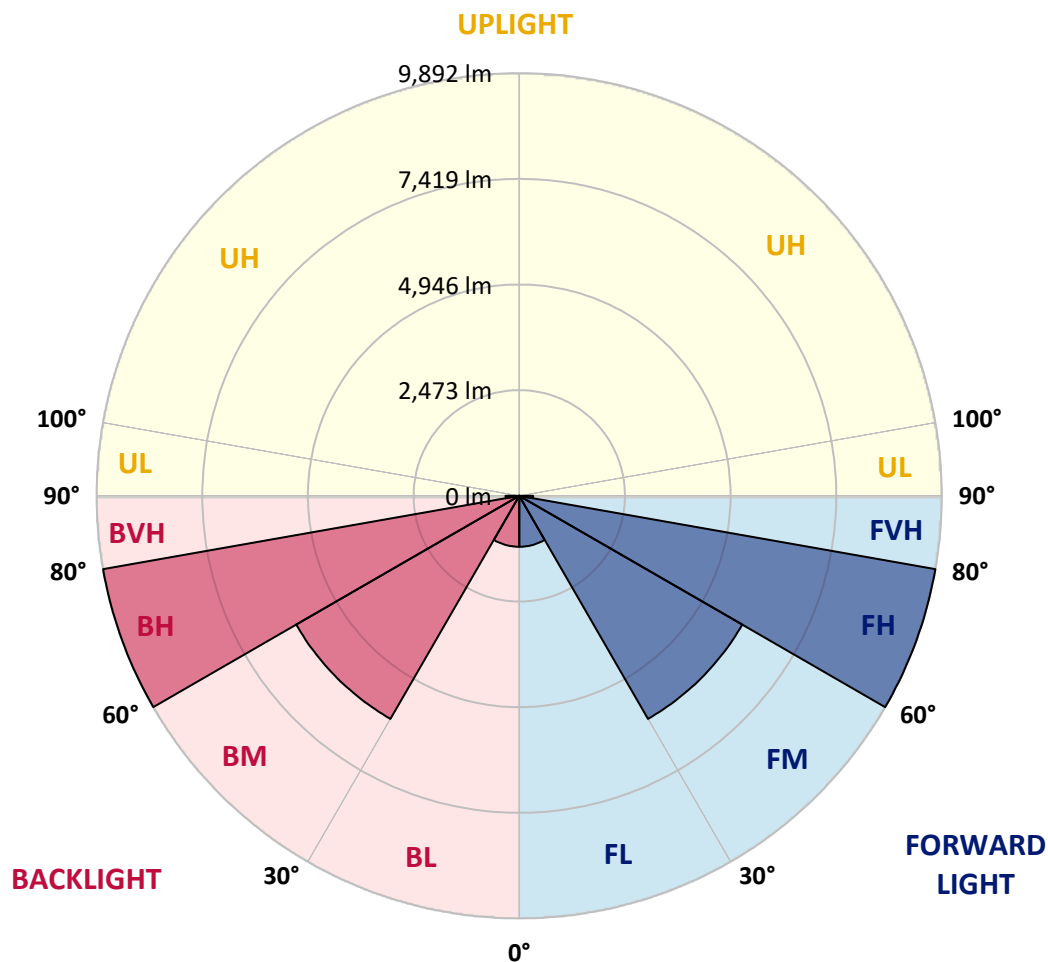
CATALOG NUMBER: GAN-SA9A-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1192.1	3.4			
FM	(30°-60°)	6029.5	17.3			
FH	(60°-80°)	9891.6	28.4			G4/12000
FVH	(80°-90°)	322.3	0.9			G3/500
BL	(0°-30°)	1192.1	3.4	B3/2500		
BM	(30°-60°)	6029.5	17.3	B4/8500		
BH	(60°-80°)	9891.6	28.4	B5		G4/12000
BVH	(80°-90°)	322.3	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





REPORT NUMBER: P316313

CATALOG NUMBER: GAN-SA9A-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2857.2	2860.7	2857.2	2859.5	2853.7	2856.0	2856.0	2856.0	2854.9	2856.0	2853.7
5°	2831.8	2834.1	2829.5	2831.8	2828.4	2831.8	2833.0	2831.8	2829.5	2830.7	2826.1
7.5°	2793.8	2796.1	2792.6	2796.1	2791.5	2797.2	2796.1	2792.6	2789.1	2789.1	2784.5
10°	2773.0	2774.1	2764.9	2761.5	2751.1	2753.4	2756.8	2760.3	2763.8	2770.7	2769.5
12.5°	2774.1	2774.1	2760.3	2745.3	2730.3	2733.8	2739.5	2752.2	2766.1	2778.8	2779.9
15°	2785.7	2784.5	2763.8	2739.5	2729.2	2739.5	2743.0	2751.1	2773.0	2794.9	2796.1
17.5°	2793.8	2793.8	2761.5	2733.8	2732.6	2748.8	2747.6	2751.1	2775.3	2807.6	2808.8
20°	2808.8	2808.8	2767.2	2737.2	2737.2	2754.5	2755.7	2761.5	2785.7	2821.4	2827.2
22.5°	2842.2	2843.4	2799.5	2775.3	2777.6	2788.0	2791.5	2800.7	2822.6	2861.8	2868.7
25°	2889.5	2891.8	2846.8	2833.0	2841.1	2860.7	2858.4	2865.3	2889.5	2927.6	2934.5
27.5°	2955.2	2949.5	2908.0	2902.2	2910.3	2924.1	2922.9	2924.1	2943.7	2978.3	2986.4
30°	3040.6	3038.3	3008.3	3011.8	3008.3	3003.7	3004.8	3014.1	3024.5	3052.1	3060.2
32.5°	3123.7	3126.0	3107.5	3124.8	3150.2	3167.5	3141.0	3115.6	3104.0	3119.0	3126.0
35°	3273.6	3279.4	3250.5	3239.0	3273.6	3324.4	3249.4	3207.9	3230.9	3250.5	3256.3
37.5°	3528.5	3532.0	3483.5	3437.4	3412.0	3460.5	3385.5	3389.0	3469.7	3506.6	3505.5
40°	3819.2	3820.4	3788.1	3747.7	3703.9	3715.4	3685.4	3694.6	3747.7	3781.1	3790.4
42.5°	4165.3	4161.8	4111.0	4053.4	4040.7	4052.2	4001.5	3994.5	4055.7	4115.7	4116.8
45°	4614.0	4605.9	4540.1	4476.7	4415.6	4390.2	4377.5	4411.0	4495.2	4550.5	4551.7
47.5°	5097.3	5075.4	5040.8	4990.0	4936.9	4911.6	4890.8	4907.0	4968.1	4990.0	4992.3
50°	5594.4	5599.1	5606.0	5586.4	5566.8	5558.7	5504.5	5473.3	5491.8	5451.4	5445.6
52.5°	6183.9	6193.1	6260.0	6316.5	6350.0	6367.3	6264.6	6157.3	6097.4	6018.9	5995.9
55°	6879.4	6894.4	6992.5	7149.3	7310.8	7396.2	7210.5	7009.8	6824.1	6677.6	6630.3
57.5°	7654.6	7681.1	7816.1	8117.1	8448.2	8650.0	8336.3	7971.8	7613.0	7402.0	7365.0
60°	8563.5	8588.9	8775.8	9207.2	9743.5	10046.9	9571.7	8975.3	8528.9	8327.1	8259.0
62.5°	9645.5	9647.8	9877.4	10381.4	11089.7	11511.9	10868.2	10071.1	9610.9	9367.5	9301.8
65°	10809.4	10815.1	11052.8	11597.2	12329.7	12788.8	12062.1	11231.6	10668.6	10309.9	10259.2
67.5°	11631.8	11656.0	11906.3	12561.5	13246.7	13660.8	12908.7	11969.8	11319.2	10891.3	10848.6
70°	11500.3	11594.9	11889.0	12653.8	13606.6	14197.2	13046.0	11882.1	11023.9	10518.7	10482.9
72.5°	10029.6	10210.7	10602.9	11606.4	13130.2	13943.4	12297.4	10642.1	9670.9	9240.6	9176.0
75°	6829.8	7124.0	7715.7	9163.3	11217.7	12072.4	10352.6	8485.1	7571.5	6976.3	6932.5
77.5°	3045.2	3112.1	3861.9	5528.7	7741.1	8669.6	7521.9	5550.6	4166.4	3323.2	3145.6
80°	849.0	859.4	1146.6	2059.0	3874.6	5093.8	4159.5	2162.8	1215.8	857.0	807.4
82.5°	269.9	293.0	357.6	534.1	1302.3	2324.3	1336.9	576.7	410.6	327.6	295.3
85°	131.5	130.3	181.1	216.9	332.2	514.5	354.1	267.6	234.2	155.7	140.7
87.5°	55.4	56.5	84.2	76.1	96.9	83.1	114.2	120.0	125.7	69.2	60.0
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)