

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: P316631

Luminaire Tested: **GAN-SA7A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316631
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-SA7A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 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: 27517 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

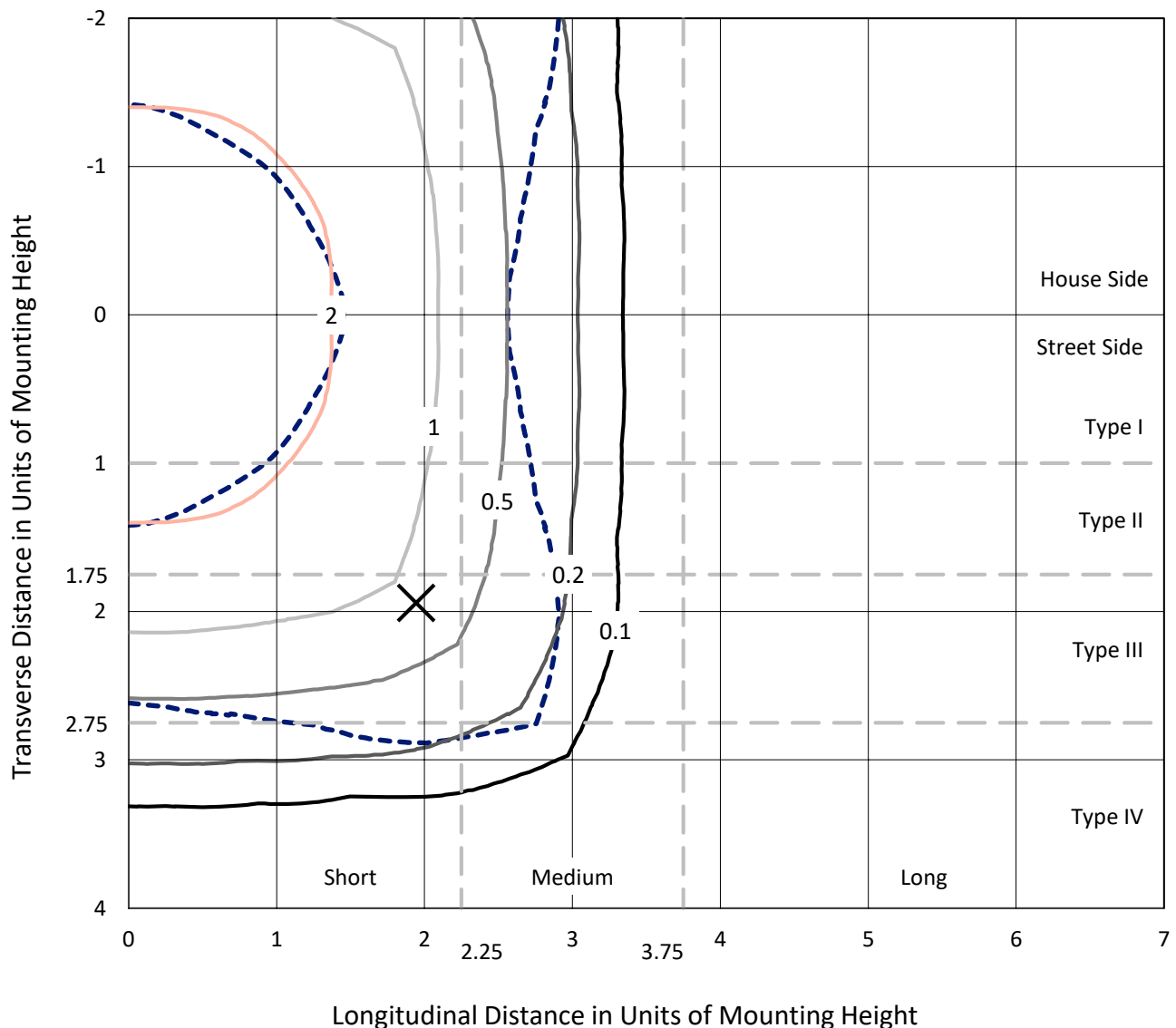
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316631
 CATALOG NUMBER: GAN-SA7A-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

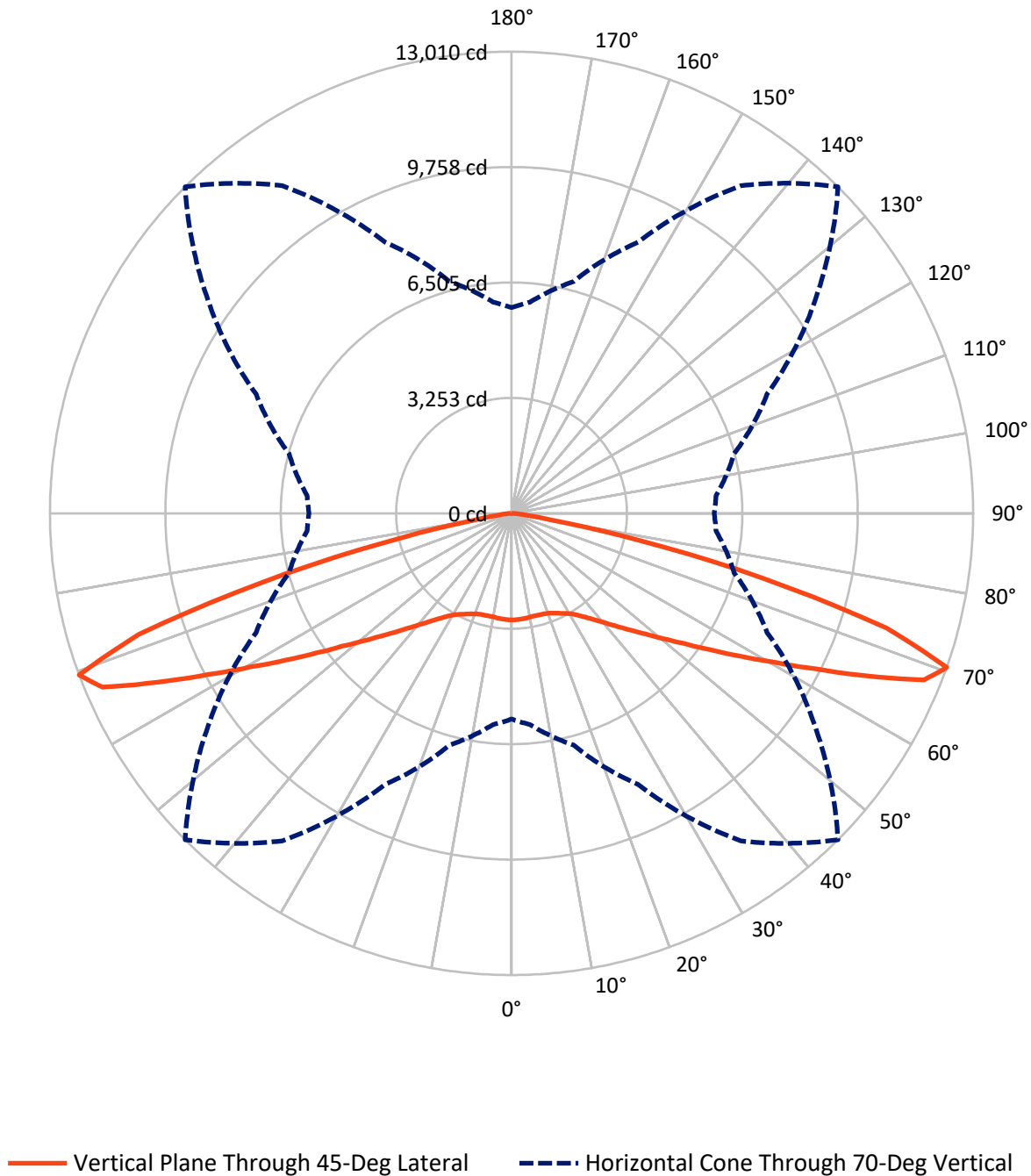
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316631
CATALOG NUMBER: GAN-SA7A-830-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316631

CATALOG NUMBER: GAN-SA7A-830-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13758.5	0.0	13758.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13758.5	0.0	13758.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27517.0	0.0	27517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	1.0
10°-20°	835.6	3.0
20°-30°	1422.5	5.2
30°-40°	2256.0	8.2
40°-50°	3671.2	13.3
50°-60°	6053.2	22.0
60°-70°	8886.3	32.3
70°-80°	3929.5	14.3
80°-90°	177.9	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°	27517.0	100.0
0°-180°	27517.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316631

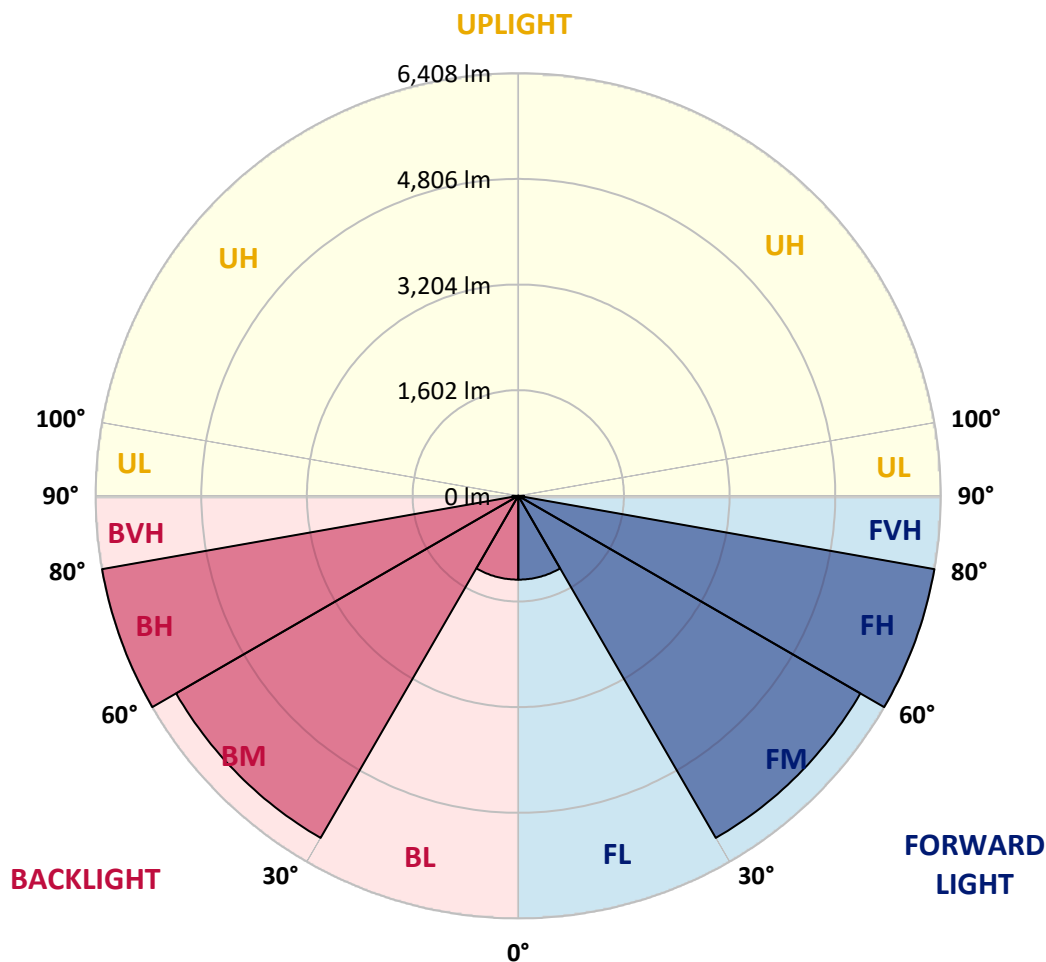
CATALOG NUMBER: GAN-SA7A-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1271.4	4.6			
FM	(30°-60°)	5990.3	21.8			
FH	(60°-80°)	6407.9	23.3			G3/7500
FVH	(80°-90°)	89.0	0.3			G1/100
BL	(0°-30°)	1271.4	4.6	B3/2500		
BM	(30°-60°)	5990.3	21.8	B4/8500		
BH	(60°-80°)	6407.9	23.3	B5		G3/7500
BVH	(80°-90°)	89.0	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





REPORT NUMBER: P316631

CATALOG NUMBER: GAN-SA7A-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3	3005.3
2.5°	3000.7	2998.0	3004.4	3003.5	2998.0	2998.9	2998.9	3001.6	3001.6	2999.8	2999.8
5°	2989.8	2988.0	2995.3	2995.3	2989.8	2991.6	2993.4	2996.2	2995.3	2993.4	2992.5
7.5°	2976.1	2975.2	2982.5	2982.5	2978.9	2980.7	2978.9	2979.8	2978.0	2976.1	2973.4
10°	2953.4	2955.2	2961.6	2963.4	2963.4	2964.3	2962.5	2957.9	2955.2	2952.5	2949.7
12.5°	2932.4	2931.5	2940.6	2945.2	2952.5	2960.7	2955.2	2942.4	2937.0	2931.5	2929.7
15°	2918.8	2919.7	2928.8	2937.0	2949.7	2967.0	2960.7	2940.6	2929.7	2923.3	2921.5
17.5°	2916.0	2917.9	2929.7	2944.3	2957.9	2977.1	2973.4	2953.4	2935.2	2923.3	2920.6
20°	2922.4	2923.3	2941.5	2962.5	2986.2	3004.4	2996.2	2974.3	2949.7	2931.5	2927.0
22.5°	2934.3	2937.9	2960.7	2993.4	3029.9	3054.5	3044.4	3007.1	2968.9	2946.1	2939.7
25°	2971.6	2972.5	3003.5	3048.1	3091.8	3120.0	3108.2	3055.4	3006.2	2980.7	2972.5
27.5°	3049.0	3051.7	3082.7	3134.6	3171.9	3190.2	3182.9	3140.1	3098.2	3070.9	3073.6
30°	3161.0	3164.7	3199.3	3256.6	3279.4	3284.0	3282.1	3262.1	3223.9	3187.4	3190.2
32.5°	3297.6	3299.4	3345.9	3397.8	3416.0	3419.6	3416.0	3397.8	3352.3	3303.1	3305.8
35°	3473.4	3478.8	3523.5	3573.6	3588.1	3595.4	3589.0	3565.4	3518.0	3469.7	3467.9
37.5°	3690.1	3691.0	3737.5	3789.4	3807.6	3809.4	3802.1	3786.7	3727.5	3683.8	3681.0
40°	3941.5	3945.1	3999.8	4055.3	4062.6	4054.4	4064.4	4055.3	3994.3	3944.2	3952.4
42.5°	4247.5	4255.7	4321.2	4375.9	4354.9	4350.4	4356.8	4359.5	4310.3	4249.3	4243.8
45°	4603.5	4610.8	4692.8	4736.5	4722.9	4692.8	4705.5	4727.4	4659.1	4583.5	4590.8
47.5°	5009.7	5027.9	5115.4	5156.3	5122.6	5081.7	5106.3	5139.0	5058.9	4965.1	4960.5
50°	5461.4	5484.2	5600.8	5658.1	5624.4	5548.8	5589.8	5611.7	5496.0	5374.9	5364.9
52.5°	5943.2	5965.9	6112.6	6231.0	6209.1	6091.6	6149.0	6126.2	5993.3	5830.3	5817.5
55°	6488.7	6497.8	6656.3	6847.5	6869.4	6782.8	6779.2	6741.9	6545.1	6356.6	6347.5
57.5°	7049.7	7056.0	7260.9	7486.8	7589.7	7589.7	7487.7	7408.5	7147.1	6928.5	6905.8
60°	7655.3	7678.0	7904.8	8211.7	8452.1	8523.2	8342.9	8127.0	7842.9	7576.0	7549.6
62.5°	8194.4	8220.8	8567.8	9025.0	9411.1	9669.7	9229.0	8877.4	8360.2	7932.1	7882.0
65°	8262.7	8333.7	8839.2	9667.0	10531.2	11047.6	10202.5	9336.4	8393.9	7799.2	7748.2
67.5°	7546.0	7666.2	8349.2	9637.9	11423.7	12532.0	10824.5	9074.1	7789.2	7131.6	7075.2
70°	5798.4	5973.2	6761.0	8430.3	11269.8	13010.2	10434.7	7944.0	6494.1	5786.5	5707.3
72.5°	3181.0	3253.0	3961.5	5772.9	9035.0	11055.8	8703.5	5874.0	4306.7	3504.3	3371.4
75°	1009.0	1034.5	1395.2	2362.3	5110.8	7322.9	5528.8	2883.3	1587.3	1170.2	1156.6
77.5°	448.1	450.8	504.5	689.4	1760.4	3710.2	2114.6	785.0	541.0	472.6	488.1
80°	283.2	283.2	312.4	341.5	479.0	1077.3	571.9	373.4	318.7	296.0	302.3
82.5°	135.7	150.3	203.1	218.6	263.2	362.5	293.2	244.1	213.1	158.5	147.5
85°	89.2	74.7	128.4	144.8	153.0	173.9	170.3	161.2	139.3	79.2	88.3
87.5°	40.1	38.2	66.5	61.0	57.4	43.7	65.6	81.1	78.3	39.2	39.2
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)