

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: P317270

Luminaire Tested: **GAN-SA6A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22640 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 193
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

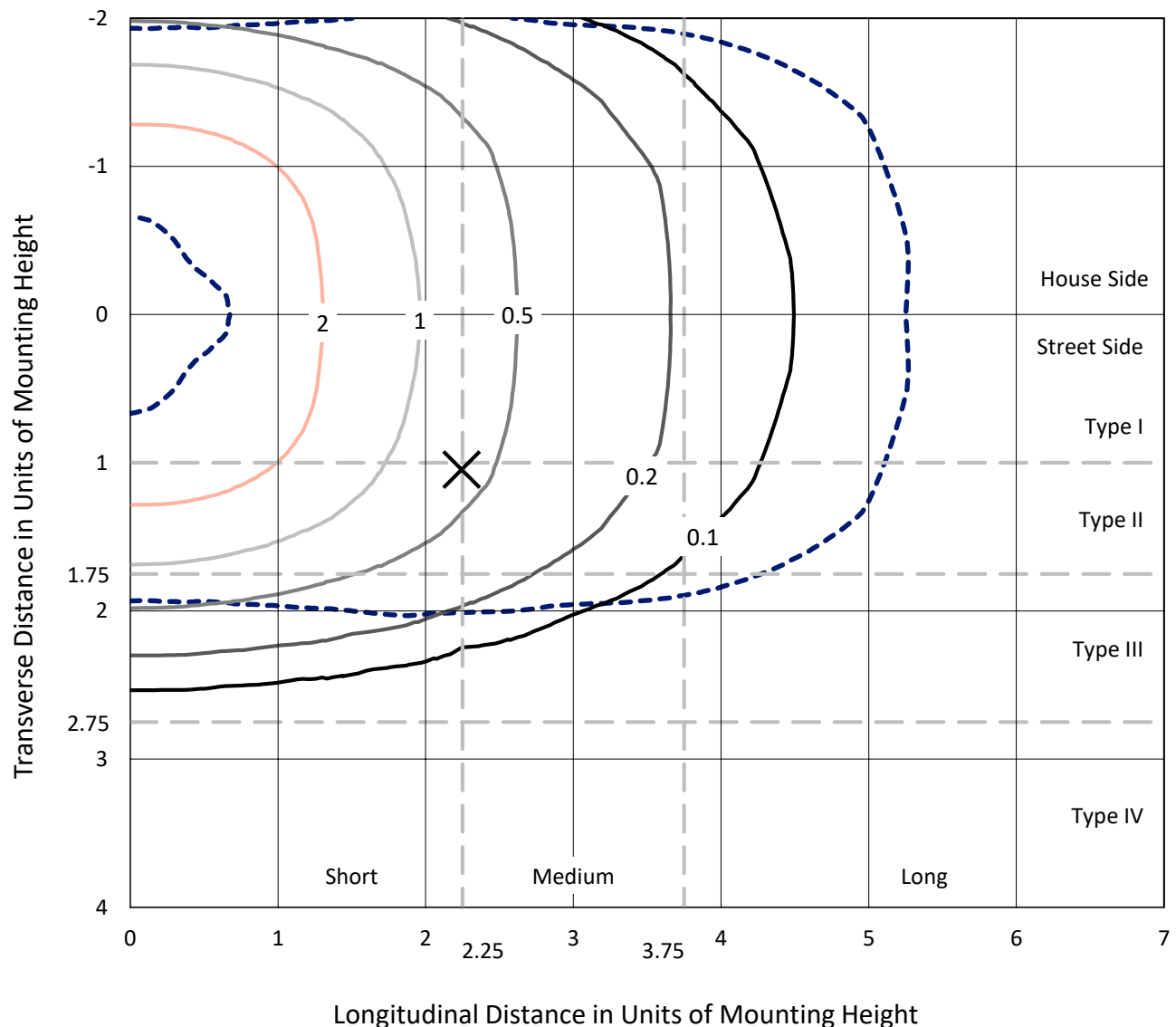


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Iso-Footcandle Lines of Horizontal Illumination

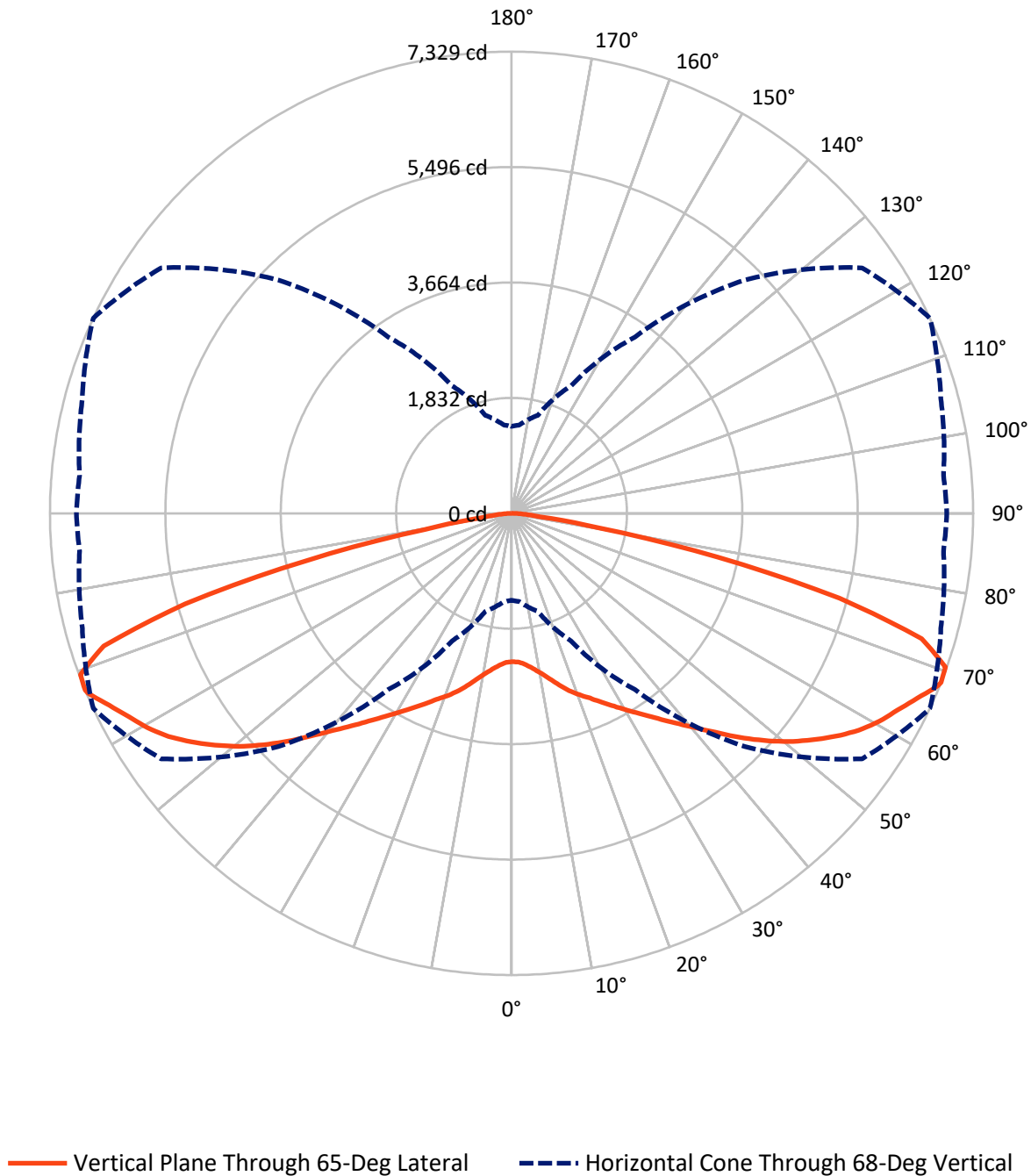
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11320.0	0.0	11320.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11320.0	0.0	11320.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22640.0	0.0	22640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	1.0
10°-20°	771.7	3.4
20°-30°	1504.7	6.6
30°-40°	2527.7	11.2
40°-50°	3982.8	17.6
50°-60°	5326.3	23.5
60°-70°	5177.9	22.9
70°-80°	2830.5	12.5
80°-90°	287.9	1.3
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°	22640.0	100.0
0°-180°	22640.0	100.0

Coefficient of Utilization



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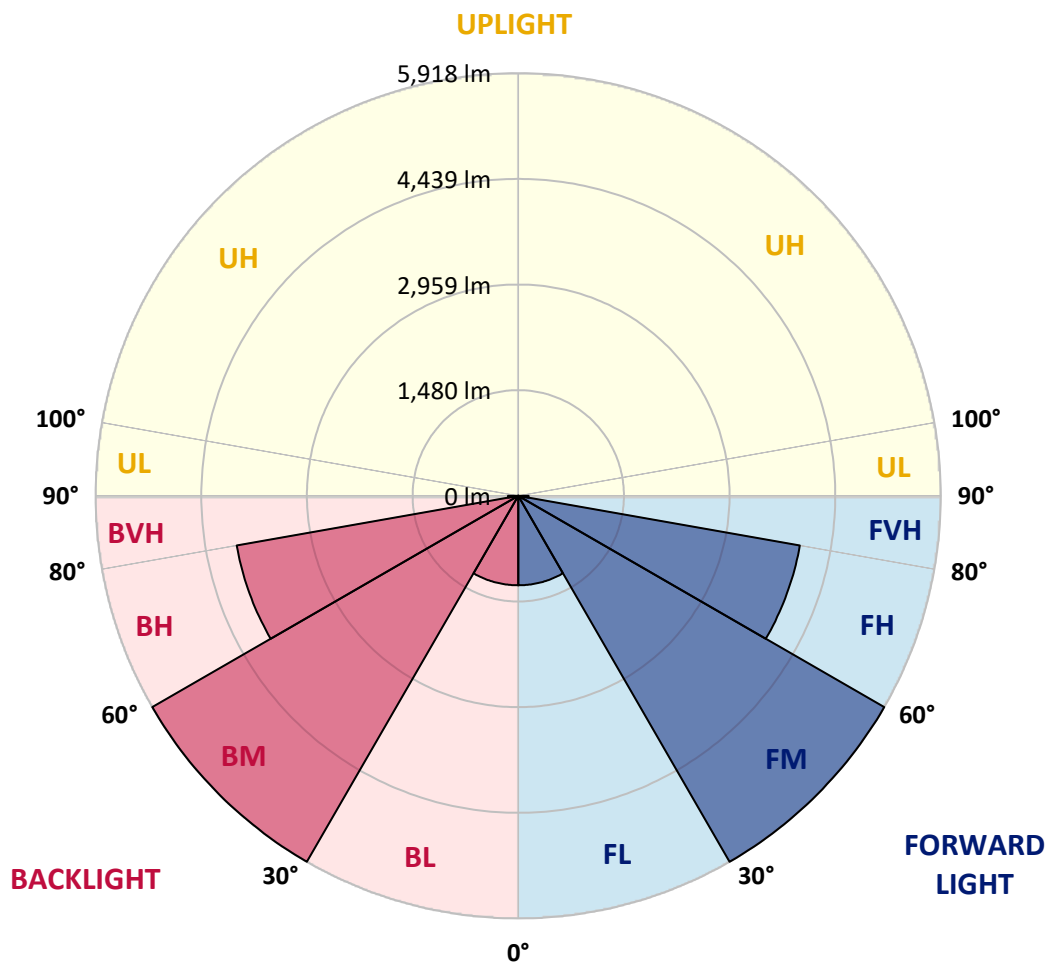
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1253.4	5.5			
FM	(30°-60°)	5918.4	26.1			
FH	(60°-80°)	4004.2	17.7			G2/5000
FVH	(80°-90°)	143.9	0.6			G2/225
BL	(0°-30°)	1253.4	5.5	B3/2500		
BM	(30°-60°)	5918.4	26.1	B4/8500		
BH	(60°-80°)	4004.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	143.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0	2354.0
2.5°	2337.3	2338.1	2341.9	2346.4	2350.2	2360.1	2362.4	2366.2	2367.7	2371.5	2371.5
5°	2316.8	2318.3	2327.5	2339.6	2353.3	2377.6	2395.0	2414.8	2424.6	2435.3	2434.5
7.5°	2314.6	2318.3	2331.3	2351.0	2373.8	2414.0	2450.4	2489.9	2516.5	2540.8	2539.3
10°	2338.1	2344.2	2362.4	2392.0	2426.1	2476.2	2530.1	2583.3	2629.6	2666.8	2668.3
12.5°	2373.8	2381.4	2410.2	2455.0	2506.6	2571.1	2634.9	2694.9	2758.6	2814.1	2818.6
15°	2420.8	2430.7	2474.0	2540.8	2619.7	2696.4	2764.7	2826.2	2899.8	2976.5	2984.1
17.5°	2490.7	2504.3	2561.3	2651.6	2755.6	2839.9	2911.2	2957.5	3019.0	3098.0	3112.4
20°	2596.9	2614.4	2686.5	2794.3	2921.1	3009.1	3063.8	3073.7	3104.0	3174.6	3191.3
22.5°	2735.1	2750.3	2830.8	2959.0	3101.0	3196.6	3225.5	3186.0	3183.0	3239.9	3255.9
25°	2889.2	2902.9	2996.2	3140.5	3293.1	3398.6	3397.8	3321.1	3268.0	3312.0	3328.7
27.5°	3062.3	3083.5	3173.1	3324.9	3488.2	3592.1	3586.1	3467.7	3366.7	3378.1	3392.5
30°	3261.2	3284.7	3372.0	3526.1	3689.3	3791.0	3783.4	3627.1	3475.2	3444.9	3455.5
32.5°	3507.9	3536.0	3618.7	3770.5	3914.8	4006.6	3984.6	3800.1	3605.8	3539.8	3549.6
35°	3804.7	3821.4	3908.7	4058.2	4175.2	4238.2	4191.9	4000.6	3771.3	3691.6	3691.6
37.5°	4105.3	4118.2	4216.1	4361.1	4474.2	4507.6	4417.3	4219.9	3987.7	3874.5	3876.8
40°	4393.8	4428.7	4538.8	4687.6	4799.1	4808.3	4688.3	4470.5	4228.3	4111.4	4125.1
42.5°	4695.1	4729.3	4860.6	5029.2	5127.8	5143.0	5002.6	4751.3	4500.1	4405.2	4420.3
45°	4963.9	4991.2	5143.0	5338.9	5461.9	5501.3	5335.1	5073.2	4793.8	4701.2	4705.0
47.5°	5151.4	5187.1	5354.1	5584.8	5764.0	5824.7	5661.5	5386.7	5083.1	4970.7	4980.6
50°	5321.4	5340.4	5509.7	5761.7	5989.4	6114.7	5975.0	5696.4	5375.3	5256.1	5266.8
52.5°	5416.3	5440.6	5604.6	5867.2	6136.7	6338.6	6253.6	5975.0	5657.7	5541.6	5554.5
55°	5350.3	5368.5	5565.1	5890.8	6227.8	6476.8	6489.7	6247.5	5934.8	5833.1	5869.5
57.5°	5049.7	5072.4	5312.3	5738.9	6239.2	6570.2	6667.3	6500.3	6193.6	6110.9	6132.2
60°	4579.8	4594.2	4850.0	5329.8	6017.5	6608.9	6780.4	6706.8	6447.2	6364.5	6393.3
62.5°	3742.5	3763.7	4069.6	4712.6	5549.2	6494.3	6889.8	6877.6	6683.3	6607.4	6633.2
65°	2558.2	2595.4	2934.0	3747.0	4827.2	6143.5	6989.2	7076.5	6892.0	6796.4	6830.6
67.5°	1544.8	1572.1	1817.3	2474.0	3693.9	5436.0	6886.7	7302.7	7039.3	6885.2	6913.3
68°	1380.8	1405.9	1610.9	2232.6	3416.8	5236.4	6793.4	7328.5	7055.2	6883.7	6908.7
70°	834.3	851.0	988.4	1380.1	2278.1	4153.9	6156.5	7307.3	7157.0	6904.9	6919.4
72.5°	543.5	548.8	571.6	708.3	1163.7	2322.9	4620.8	6809.3	7309.6	7028.7	7026.4
75°	451.7	448.6	450.9	466.9	573.9	1018.7	2700.2	5379.1	6968.0	6833.6	6785.8
77.5°	381.8	379.6	378.8	379.6	384.1	491.9	1172.1	3350.8	5332.1	6044.9	6087.4
80°	309.0	305.9	315.8	311.2	297.6	305.9	491.1	1393.7	2513.4	2704.0	2533.9
82.5°	224.7	213.3	255.8	243.7	232.3	215.6	271.0	450.2	599.7	411.4	289.2
85°	173.1	160.9	194.3	186.7	159.4	110.1	160.9	220.1	242.9	138.9	109.3
87.5°	70.6	74.4	140.4	110.8	93.4	53.1	66.0	88.1	118.4	59.2	45.5
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)