

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: P316330

Luminaire Tested: **GAN-SA6C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316330
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-SA6C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35409 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

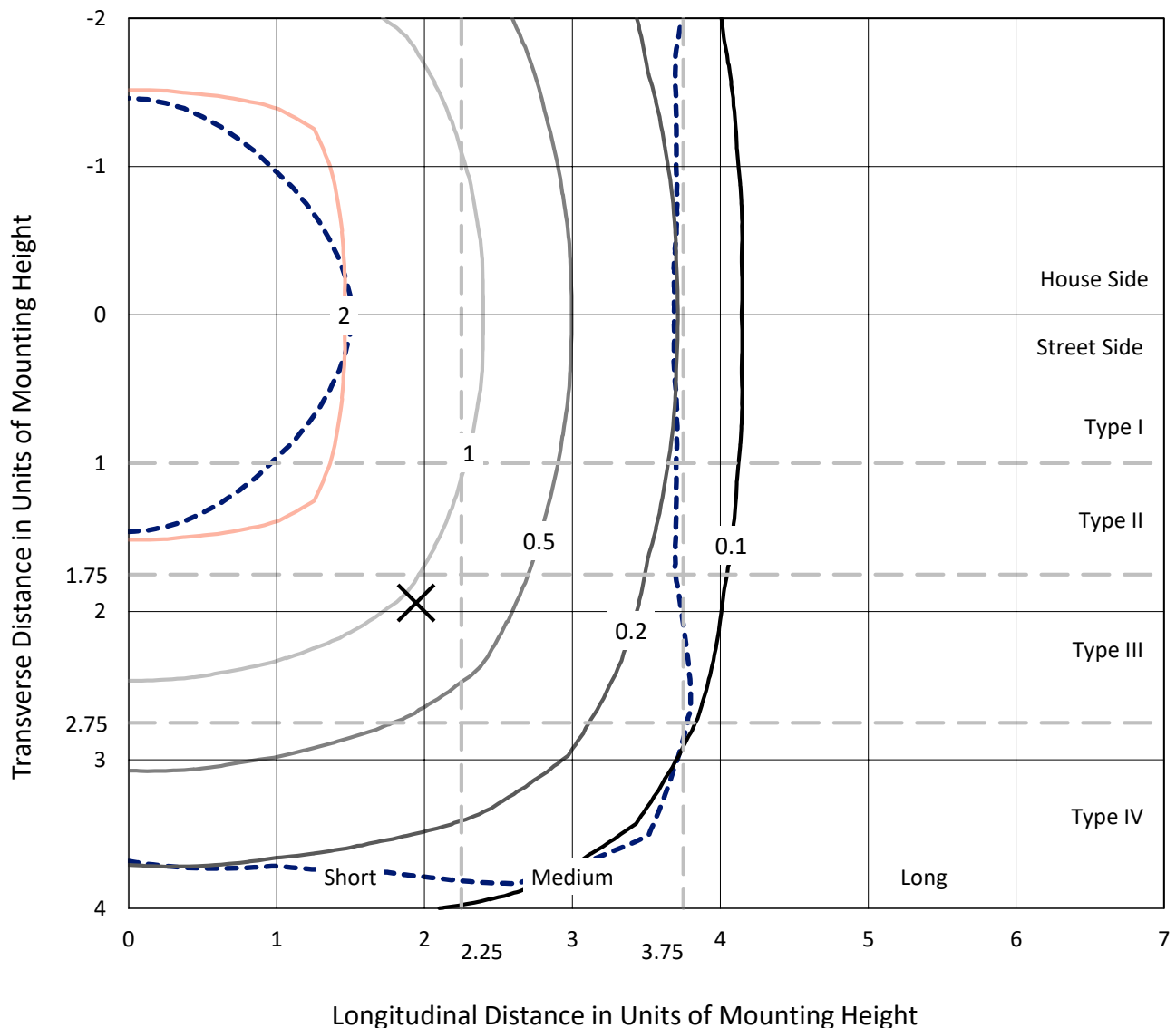
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

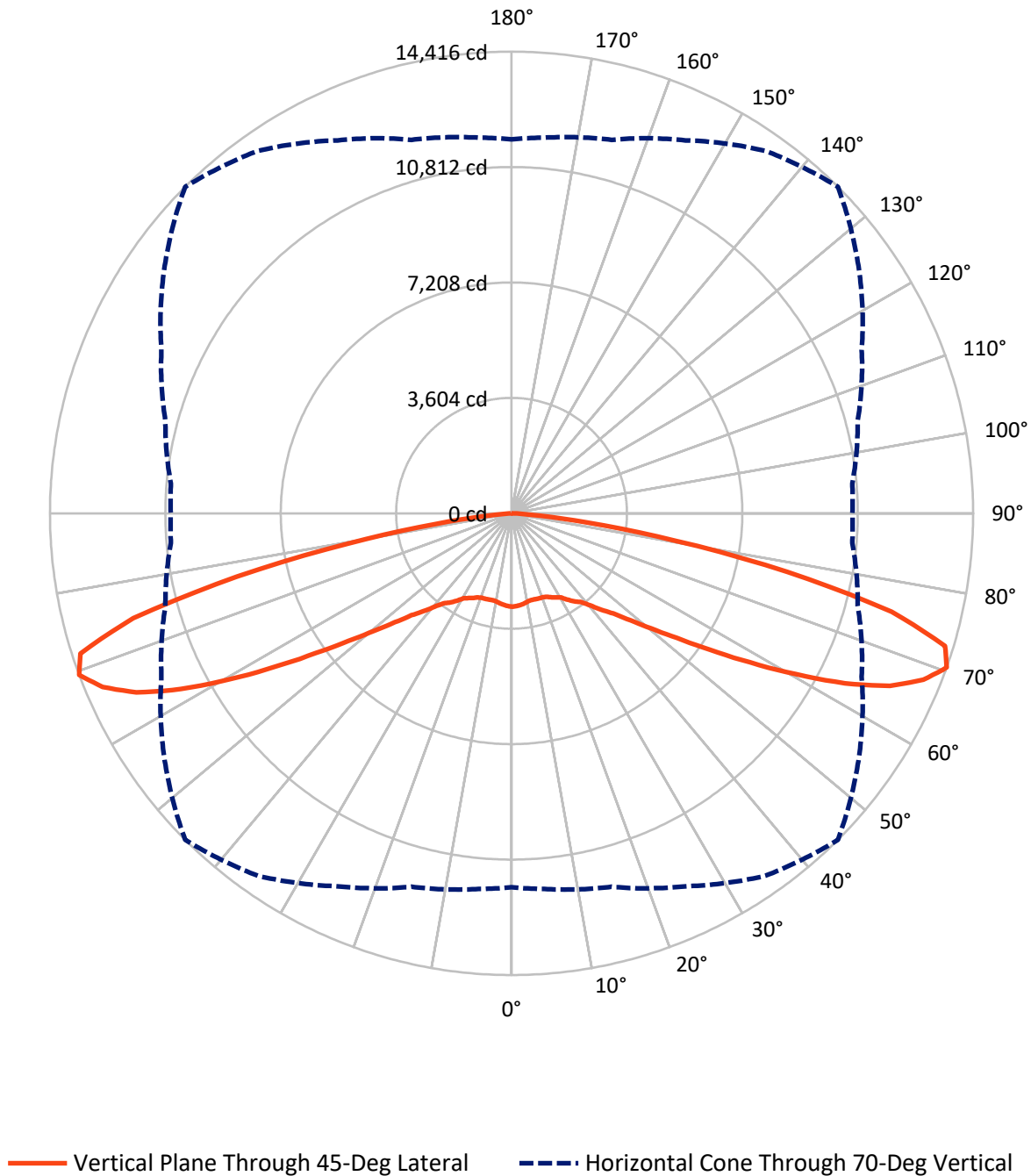
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	17704.5	0.0	17704.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17704.5	0.0	17704.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35409.0	0.0	35409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.0	0.8
10°-20°	794.5	2.2
20°-30°	1354.6	3.8
30°-40°	2116.6	6.0
40°-50°	3587.1	10.1
50°-60°	6541.3	18.5
60°-70°	11261.4	31.8
70°-80°	8827.1	24.9
80°-90°	654.5	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°	35409.0	100.0
0°-180°	35409.0	100.0

Coefficient of Utilization



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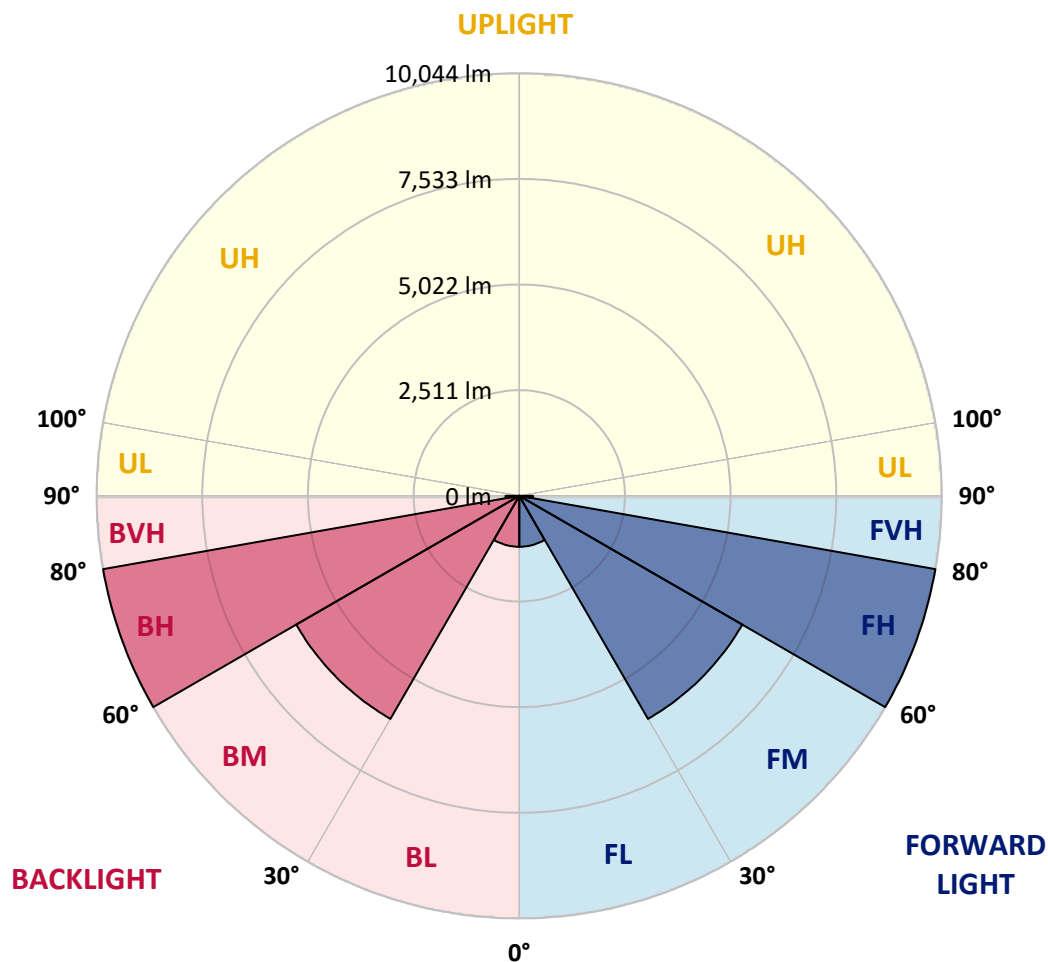
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1210.5	3.4			
FM	(30°-60°)	6122.5	17.3			
FH	(60°-80°)	10044.2	28.4			G4/12000
FVH	(80°-90°)	327.3	0.9			G3/500
BL	(0°-30°)	1210.5	3.4	B3/2500		
BM	(30°-60°)	6122.5	17.3	B4/8500		
BH	(60°-80°)	10044.2	28.4	B5		G4/12000
BVH	(80°-90°)	327.3	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°	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2	2914.2
2.5°	2901.3	2904.8	2901.3	2903.6	2897.8	2900.1	2900.1	2900.1	2898.9	2900.1	2897.8
5°	2875.5	2877.9	2873.2	2875.5	2872.0	2875.5	2876.7	2875.5	2873.2	2874.3	2869.7
7.5°	2836.9	2839.2	2835.7	2839.2	2834.5	2840.4	2839.2	2835.7	2832.2	2832.2	2827.5
10°	2815.8	2816.9	2807.6	2804.1	2793.5	2795.9	2799.4	2802.9	2806.4	2813.4	2812.3
12.5°	2816.9	2816.9	2802.9	2787.7	2772.4	2776.0	2781.8	2794.7	2808.7	2821.6	2822.8
15°	2828.7	2827.5	2806.4	2781.8	2771.3	2781.8	2785.3	2793.5	2815.8	2838.0	2839.2
17.5°	2836.9	2836.9	2804.1	2776.0	2774.8	2791.2	2790.0	2793.5	2818.1	2850.9	2852.1
20°	2852.1	2852.1	2809.9	2779.5	2779.5	2797.0	2798.2	2804.1	2828.7	2865.0	2870.8
22.5°	2886.1	2887.2	2842.7	2818.1	2820.5	2831.0	2834.5	2843.9	2866.1	2906.0	2913.0
25°	2934.1	2936.4	2890.7	2876.7	2884.9	2904.8	2902.5	2909.5	2934.1	2972.7	2979.8
27.5°	3000.8	2995.0	2952.8	2947.0	2955.2	2969.2	2968.0	2969.2	2989.1	3024.3	3032.5
30°	3087.5	3085.2	3054.7	3058.2	3054.7	3050.0	3051.2	3060.6	3071.1	3099.2	3107.4
32.5°	3171.8	3174.2	3155.5	3173.0	3198.8	3216.4	3189.4	3163.6	3151.9	3167.2	3174.2
35°	3324.1	3330.0	3300.7	3289.0	3324.1	3375.7	3299.5	3257.4	3280.8	3300.7	3306.5
37.5°	3583.0	3586.5	3537.3	3490.4	3464.7	3513.9	3437.7	3441.2	3523.2	3560.7	3559.5
40°	3878.1	3879.3	3846.5	3805.5	3761.0	3772.7	3742.3	3751.6	3805.5	3839.5	3848.9
42.5°	4229.5	4226.0	4174.5	4115.9	4103.0	4114.7	4063.2	4056.2	4118.3	4179.2	4180.3
45°	4685.2	4677.0	4610.2	4545.8	4483.7	4457.9	4445.0	4479.0	4564.5	4620.7	4621.9
47.5°	5175.9	5153.7	5118.5	5067.0	5013.1	4987.3	4966.3	4982.7	5044.7	5067.0	5069.3
50°	5680.7	5685.4	5692.5	5672.5	5652.6	5644.4	5589.4	5557.8	5576.5	5535.5	5529.7
52.5°	6279.3	6288.6	6356.6	6414.0	6447.9	6465.5	6361.3	6252.3	6191.4	6111.8	6088.4
55°	6985.6	7000.8	7100.4	7259.6	7423.6	7510.3	7321.7	7117.9	6929.3	6780.6	6732.6
57.5°	7772.7	7799.6	7936.7	8242.4	8578.5	8783.5	8464.9	8094.8	7730.5	7516.2	7478.7
60°	8695.6	8721.4	8911.2	9349.2	9893.9	10201.9	9719.4	9113.8	8660.5	8455.5	8386.4
62.5°	9794.3	9796.7	10029.7	10541.6	11260.8	11689.5	11035.9	10226.5	9759.2	9512.0	9445.3
65°	10976.1	10982.0	11223.3	11776.1	12519.9	12986.1	12248.2	11404.8	10833.2	10469.0	10417.4
67.5°	11811.3	11835.9	12090.0	12755.3	13451.1	13871.6	13107.9	12154.5	11493.9	11059.3	11016.0
70°	11677.7	11773.8	12072.5	12849.0	13816.5	14416.2	13247.3	12065.4	11194.0	10681.0	10644.7
72.5°	10184.4	10368.2	10766.5	11785.5	13332.8	14158.5	12487.1	10806.3	9820.1	9383.2	9317.6
75°	6935.2	7233.9	7834.7	9304.7	11390.8	12258.7	10512.3	8616.0	7688.3	7084.0	7039.4
77.5°	3092.2	3160.1	3921.5	5614.0	7860.5	8803.4	7638.0	5636.2	4230.7	3374.5	3194.1
80°	862.1	872.6	1164.3	2090.7	3934.4	5172.4	4223.7	2196.2	1234.5	870.3	819.9
82.5°	274.1	297.5	363.1	542.3	1322.4	2360.1	1357.5	585.6	417.0	332.6	299.8
85°	133.5	132.4	183.9	220.2	337.3	522.4	359.6	271.7	237.8	158.1	142.9
87.5°	56.2	57.4	85.5	77.3	98.4	84.3	116.0	121.8	127.7	70.3	60.9
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)