

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: P316658

Luminaire Tested: **GAN-SA4D-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316658
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-SA4D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26129 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 258
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

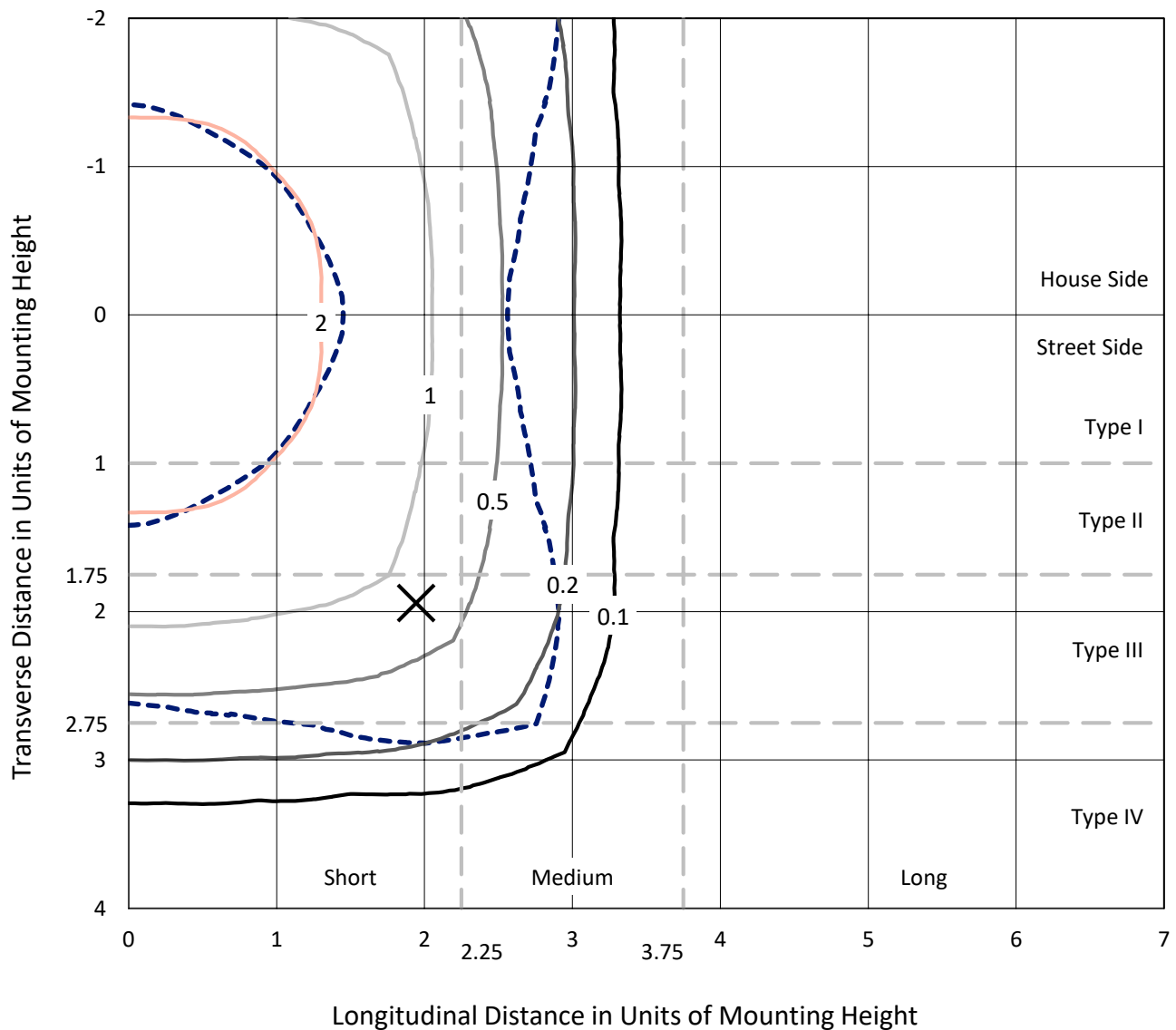


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Iso-Footcandle Lines of Horizontal Illumination

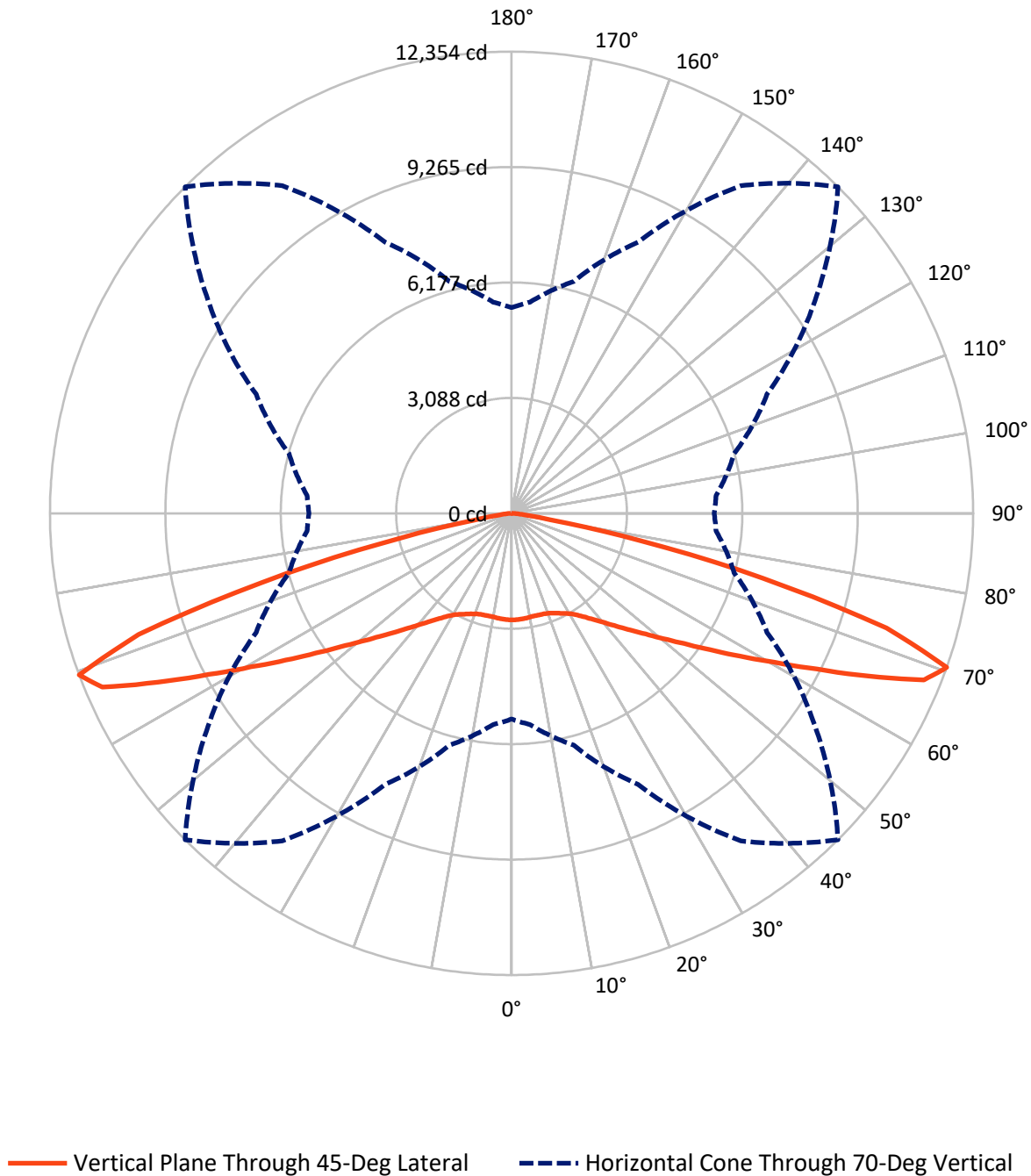
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	13064.5	0.0	13064.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13064.5	0.0	13064.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26129.0	0.0	26129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	1.0
10°-20°	793.5	3.0
20°-30°	1350.7	5.2
30°-40°	2142.2	8.2
40°-50°	3486.1	13.3
50°-60°	5747.9	22.0
60°-70°	8438.1	32.3
70°-80°	3731.3	14.3
80°-90°	169.0	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°	26129.0	100.0
0°-180°	26129.0	100.0

Coefficient of Utilization



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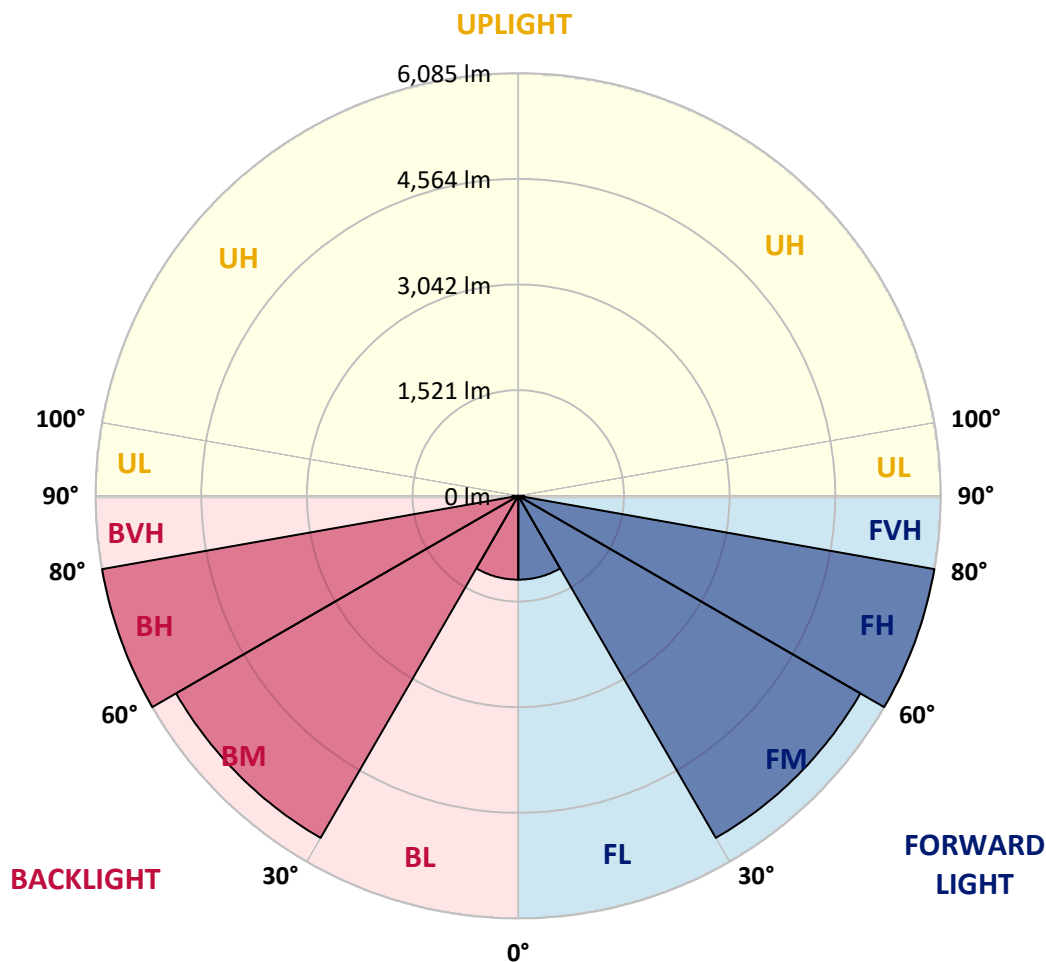
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1207.2	4.6			
FM	(30°-60°)	5688.1	21.8			
FH	(60°-80°)	6084.7	23.3			G3/7500
FVH	(80°-90°)	84.5	0.3			G1/100
BL	(0°-30°)	1207.2	4.6	B3/2500		
BM	(30°-60°)	5688.1	21.8	B4/8500		
BH	(60°-80°)	6084.7	23.3	B5		G3/7500
BVH	(80°-90°)	84.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	2849.4	2846.8	2852.8	2852.0	2846.8	2847.6	2847.6	2850.2	2850.2	2848.5	2848.5
5°	2839.0	2837.3	2844.2	2844.2	2839.0	2840.7	2842.5	2845.0	2844.2	2842.5	2841.6
7.5°	2826.0	2825.2	2832.1	2832.1	2828.6	2830.3	2828.6	2829.5	2827.8	2826.0	2823.4
10°	2804.4	2806.1	2812.2	2813.9	2813.9	2814.8	2813.0	2808.7	2806.1	2803.5	2800.9
12.5°	2784.5	2783.6	2792.3	2796.6	2803.5	2811.3	2806.1	2794.0	2788.8	2783.6	2781.9
15°	2771.5	2772.4	2781.1	2788.8	2800.9	2817.4	2811.3	2792.3	2781.9	2775.9	2774.1
17.5°	2768.9	2770.7	2781.9	2795.8	2808.7	2826.9	2823.4	2804.4	2787.1	2775.9	2773.3
20°	2775.0	2775.9	2793.2	2813.0	2835.5	2852.8	2845.0	2824.3	2800.9	2783.6	2779.3
22.5°	2786.2	2789.7	2811.3	2842.5	2877.0	2900.4	2890.9	2855.4	2819.1	2797.5	2791.4
25°	2821.7	2822.6	2852.0	2894.3	2935.8	2962.7	2951.4	2901.3	2854.6	2830.3	2822.6
27.5°	2895.2	2897.8	2927.2	2976.5	3011.9	3029.2	3022.3	2981.7	2941.9	2916.0	2918.6
30°	3001.6	3005.0	3037.9	3092.4	3114.0	3118.3	3116.6	3097.6	3061.2	3026.6	3029.2
32.5°	3131.3	3133.0	3177.1	3226.4	3243.7	3247.2	3243.7	3226.4	3183.2	3136.5	3139.1
35°	3298.2	3303.4	3345.7	3393.3	3407.1	3414.1	3408.0	3385.5	3340.6	3294.7	3293.0
37.5°	3504.0	3504.9	3549.0	3598.2	3615.5	3617.3	3610.4	3595.7	3539.4	3497.9	3495.3
40°	3742.7	3746.1	3798.0	3850.8	3857.7	3849.9	3859.4	3850.8	3792.8	3745.3	3753.0
42.5°	4033.2	4041.0	4103.3	4155.2	4135.3	4130.9	4137.0	4139.6	4092.9	4034.9	4029.8
45°	4371.3	4378.3	4456.1	4497.6	4484.6	4456.1	4468.2	4488.9	4424.1	4352.3	4359.2
47.5°	4757.0	4774.3	4857.3	4896.2	4864.3	4825.3	4848.7	4879.8	4803.7	4714.6	4710.3
50°	5185.9	5207.6	5318.2	5372.7	5340.7	5269.0	5307.9	5328.6	5218.8	5103.8	5094.3
52.5°	5643.4	5665.0	5804.2	5916.7	5895.9	5784.4	5838.8	5817.2	5691.0	5536.2	5524.1
55°	6161.4	6170.0	6320.5	6502.1	6522.9	6440.7	6437.2	6401.8	6215.0	6036.0	6027.3
57.5°	6694.1	6700.1	6894.7	7109.2	7206.9	7206.9	7110.0	7034.8	6786.6	6579.1	6557.4
60°	7269.1	7290.8	7506.1	7797.5	8025.8	8093.2	7922.0	7717.1	7447.3	7193.9	7168.8
62.5°	7781.1	7806.1	8135.6	8569.7	8936.4	9182.0	8763.4	8429.6	7938.5	7532.0	7484.5
65°	7845.9	7913.4	8393.3	9179.4	10000.0	10490.3	9687.9	8865.5	7970.5	7405.8	7357.3
67.5°	7165.4	7279.5	7928.1	9151.7	10847.5	11899.9	10278.5	8616.4	7396.3	6771.9	6718.3
70°	5505.9	5671.9	6419.9	8005.0	10701.4	12353.9	9908.4	7543.3	6166.6	5494.7	5419.4
72.5°	3020.6	3088.9	3761.7	5481.7	8579.2	10498.1	8264.5	5577.7	4089.4	3327.6	3201.3
75°	958.1	982.4	1324.8	2243.2	4853.0	6953.5	5249.9	2737.8	1507.3	1111.2	1098.2
77.5°	425.5	428.1	479.1	654.6	1671.6	3523.0	2008.0	745.4	513.7	448.8	463.5
80°	268.9	268.9	296.6	324.3	454.9	1023.0	543.1	354.5	302.7	281.0	287.1
82.5°	128.8	142.7	192.8	207.5	249.9	344.2	278.5	231.8	202.4	150.5	140.1
85°	84.7	70.9	121.9	137.5	145.3	165.2	161.7	153.1	132.3	75.2	83.9
87.5°	38.0	36.3	63.1	57.9	54.5	41.5	62.3	77.0	74.4	37.2	37.2
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)