

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: P316958

Luminaire Tested: **GAN-SA4B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18895 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

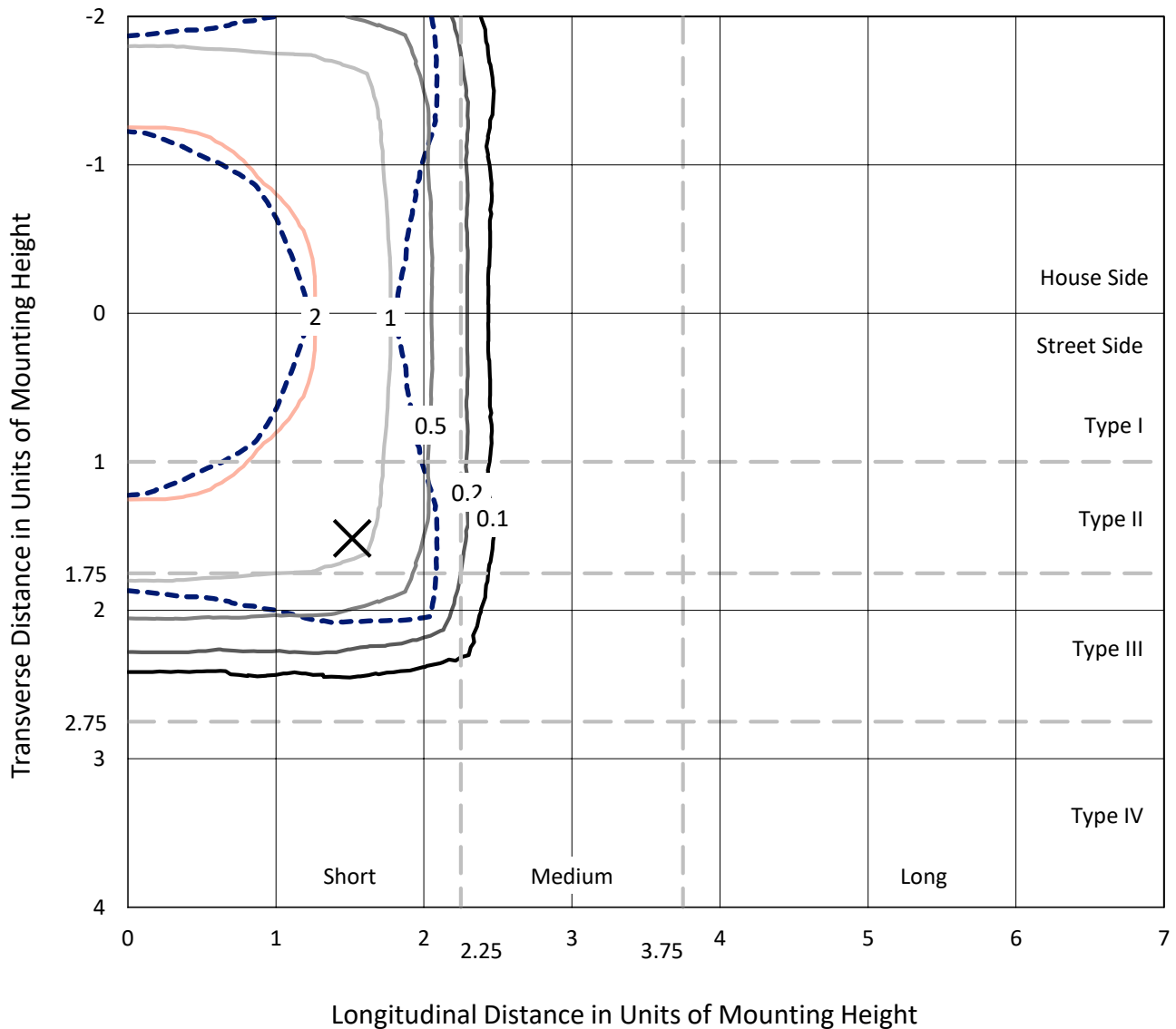
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

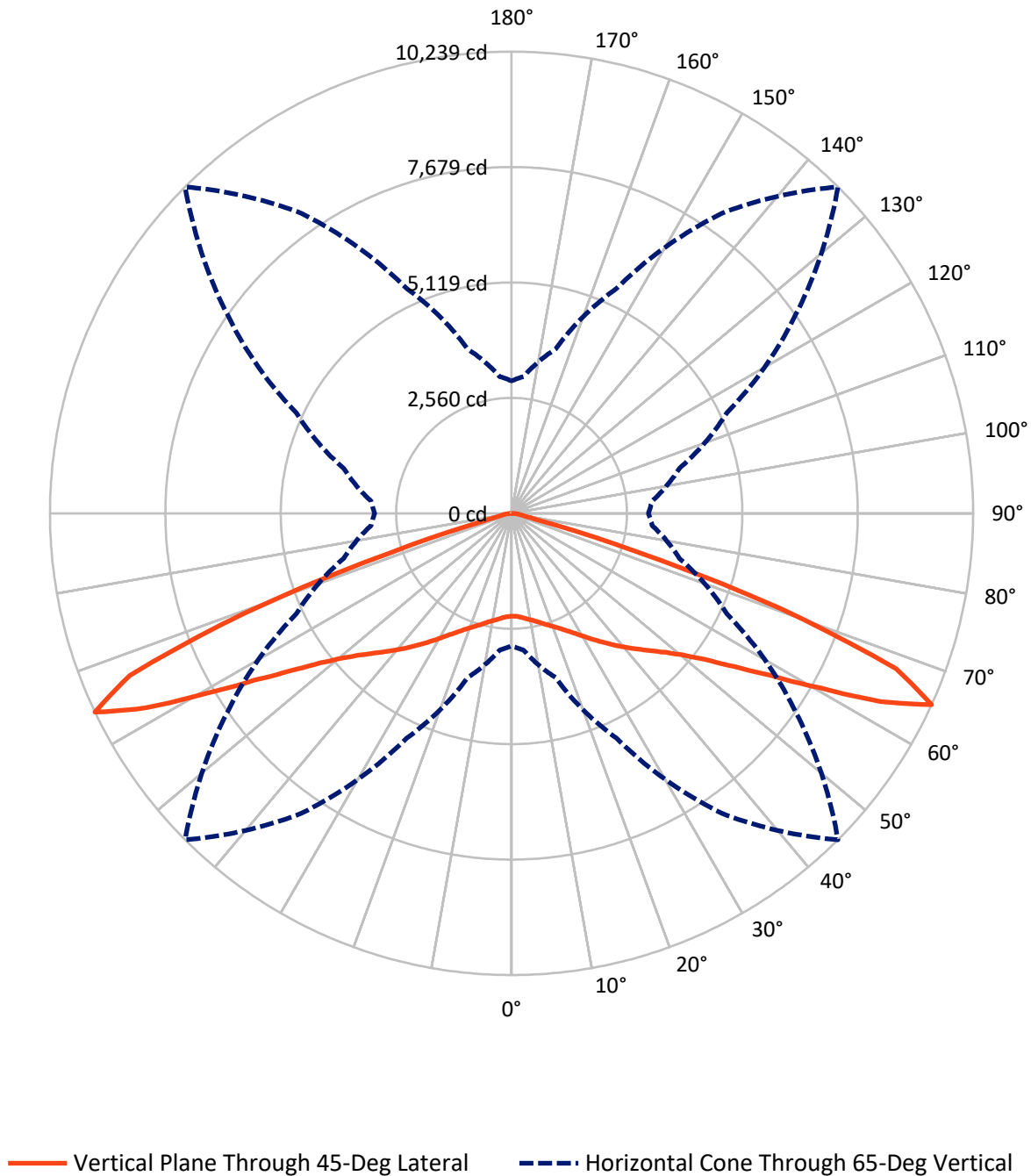
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	9447.5	0.0	9447.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9447.5	0.0	9447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18895.0	0.0	18895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.2
10°-20°	719.6	3.8
20°-30°	1350.1	7.1
30°-40°	2232.8	11.8
40°-50°	3458.3	18.3
50°-60°	5304.1	28.1
60°-70°	4949.3	26.2
70°-80°	576.0	3.0
80°-90°	80.9	0.4
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°	18895.0	100.0
0°-180°	18895.0	100.0

Coefficient of Utilization



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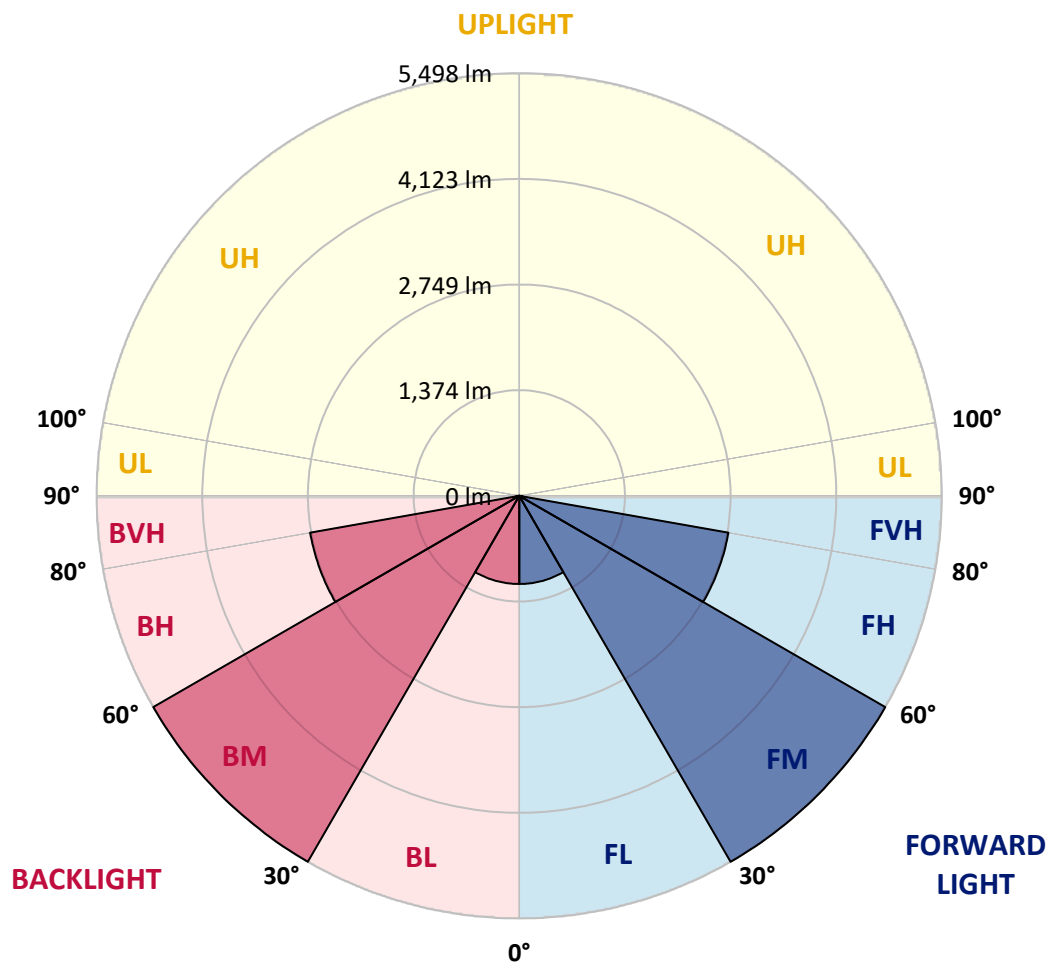
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1146.8	6.1			
FM	(30°-60°)	5497.6	29.1			
FH	(60°-80°)	2762.7	14.6			G2/5000
FVH	(80°-90°)	40.5	0.2			G1/100
BL	(0°-30°)	1146.8	6.1	B3/2500		
BM	(30°-60°)	5497.6	29.1	B4/8500		
BH	(60°-80°)	2762.7	14.6	B4/5000		G2/5000
BVH	(80°-90°)	40.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8	2281.8
2.5°	2289.3	2288.1	2289.3	2290.0	2286.2	2288.1	2287.5	2290.6	2291.8	2290.6	2290.6
5°	2315.7	2313.8	2316.3	2319.4	2314.4	2315.7	2313.8	2317.6	2318.8	2316.3	2318.2
7.5°	2352.1	2352.7	2355.2	2360.8	2357.7	2360.2	2356.4	2357.1	2356.4	2352.7	2353.3
10°	2391.6	2392.2	2396.6	2404.1	2405.4	2405.4	2402.9	2401.0	2398.5	2396.0	2396.6
12.5°	2439.2	2442.4	2445.5	2454.9	2454.9	2459.9	2458.7	2453.7	2449.3	2445.5	2445.5
15°	2503.8	2503.2	2507.0	2516.4	2520.8	2528.9	2528.9	2522.0	2516.4	2512.6	2511.4
17.5°	2571.6	2573.5	2576.0	2587.3	2594.2	2603.6	2604.8	2599.2	2595.4	2590.4	2587.3
20°	2650.6	2653.7	2663.8	2668.2	2674.4	2683.2	2686.4	2685.1	2681.3	2678.8	2679.5
22.5°	2742.8	2751.0	2757.2	2763.5	2771.0	2777.3	2780.4	2784.8	2781.1	2779.2	2777.9
25°	2854.5	2860.1	2872.6	2883.9	2889.0	2890.8	2894.6	2900.9	2900.2	2895.9	2895.9
27.5°	2981.2	2991.8	3007.5	3023.8	3023.8	3017.5	3030.1	3040.7	3037.0	3031.3	3023.8
30°	3134.8	3144.9	3163.0	3185.6	3174.3	3169.9	3186.9	3206.3	3200.7	3191.3	3190.0
32.5°	3300.4	3309.8	3333.7	3358.1	3343.7	3337.4	3355.6	3383.8	3373.8	3355.0	3343.7
35°	3479.8	3489.2	3523.1	3552.5	3528.1	3517.4	3532.5	3563.2	3545.7	3510.5	3501.7
37.5°	3674.9	3679.9	3723.8	3753.9	3737.0	3708.7	3727.5	3750.1	3735.1	3692.4	3675.5
40°	3877.4	3895.6	3946.4	3981.6	3952.1	3907.6	3938.9	3970.3	3947.7	3893.1	3864.3
42.5°	4113.9	4127.7	4195.4	4226.8	4179.1	4116.4	4159.1	4201.7	4179.1	4126.5	4101.4
45°	4359.8	4381.1	4462.0	4493.4	4424.4	4344.7	4396.8	4471.4	4469.5	4393.6	4367.3
47.5°	4627.6	4648.9	4745.5	4786.9	4712.3	4605.6	4679.0	4784.4	4776.9	4693.5	4672.1
50°	4936.8	4959.4	5079.8	5131.9	5062.3	4938.1	5048.5	5141.3	5127.5	5024.6	5026.5
52.5°	5325.1	5323.8	5473.7	5564.0	5492.5	5382.8	5484.4	5574.7	5517.6	5375.2	5370.8
55°	5665.0	5685.7	5871.4	6042.6	6038.2	5996.2	6037.0	6040.7	5877.6	5688.2	5665.0
57.5°	5888.3	5927.8	6189.4	6499.2	6731.3	6787.1	6708.1	6468.5	6086.5	5783.6	5746.5
60°	5750.9	5811.2	6222.0	6853.6	7537.3	7865.3	7419.3	6676.1	5924.1	5501.9	5451.8
62.5°	4823.9	4925.5	5527.0	6682.4	8231.0	9190.0	7934.9	6343.0	5278.0	4696.6	4610.7
65°	2937.9	3045.1	3770.2	5500.1	8118.7	10238.7	7699.7	5264.8	3852.4	3129.2	3036.4
67.5°	979.1	1010.4	1437.6	3040.1	6380.7	9199.4	6391.3	3151.8	1676.5	1111.4	1078.8
70°	383.2	386.4	456.0	881.2	3013.1	6318.6	3324.9	896.9	476.7	377.0	385.1
72.5°	281.6	282.9	302.3	368.2	785.3	2783.6	813.5	370.1	294.2	264.1	264.1
75°	226.4	226.4	240.2	268.4	351.9	638.5	356.9	265.3	230.2	210.7	208.2
77.5°	178.8	182.5	193.2	211.4	238.3	307.3	247.1	210.1	185.7	167.5	163.7
80°	133.0	136.7	154.3	163.1	171.2	213.3	182.5	164.3	146.8	125.4	121.7
82.5°	87.2	90.9	112.9	117.9	116.0	139.2	122.9	121.1	107.9	80.9	77.1
85°	57.1	58.3	75.3	78.4	72.1	63.3	78.4	82.8	75.3	52.7	50.8
87.5°	27.0	27.0	38.3	35.8	32.6	26.3	35.8	42.0	42.7	25.7	25.1
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)