

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: P317078

Luminaire Tested: **GAN-SA4B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317078
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-SA4B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21459 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

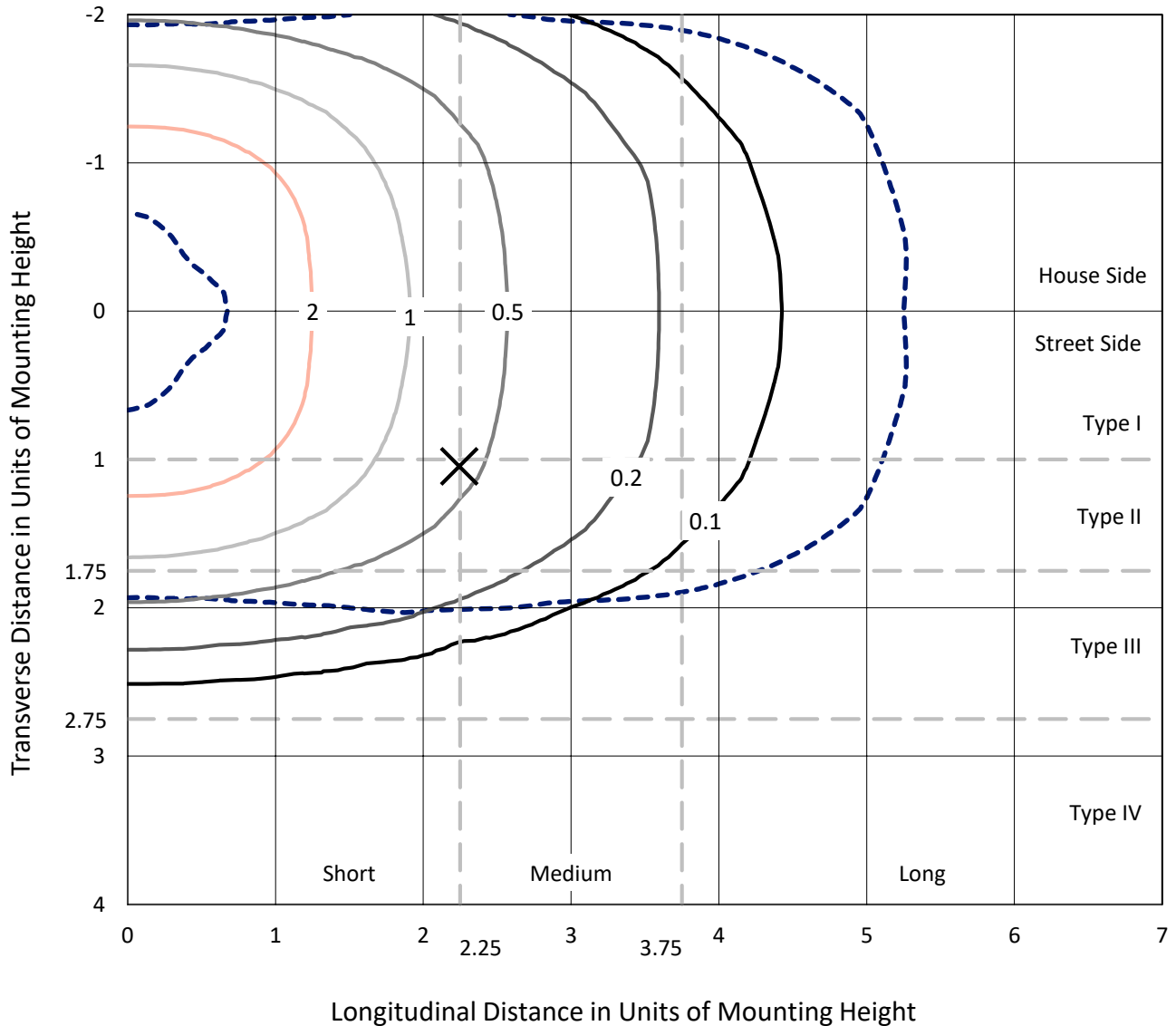
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

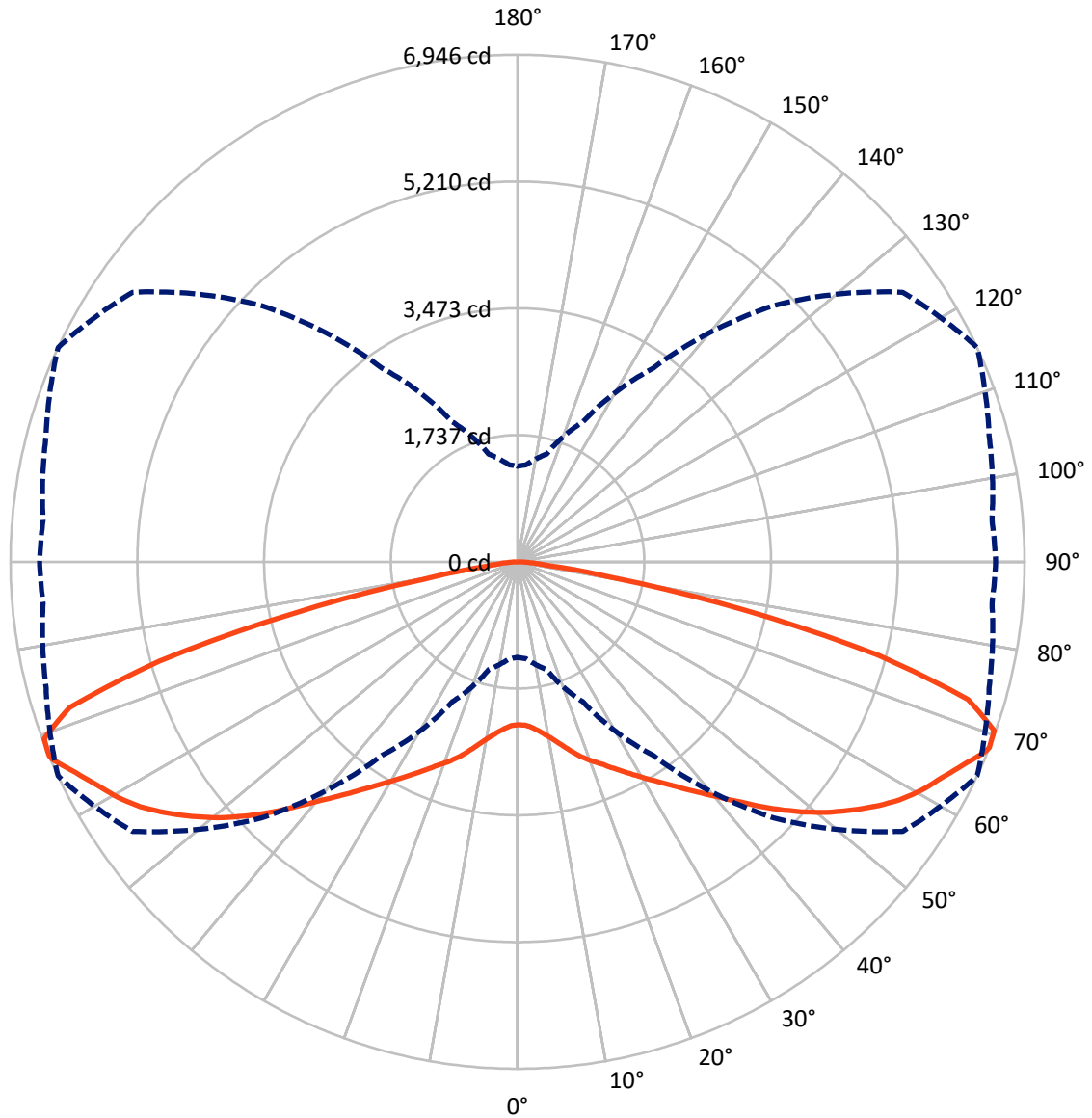
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10729.5	0.0	10729.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10729.5	0.0	10729.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21459.0	0.0	21459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.4	1.0
10°-20°	731.5	3.4
20°-30°	1426.2	6.6
30°-40°	2395.9	11.2
40°-50°	3775.1	17.6
50°-60°	5048.5	23.5
60°-70°	4907.8	22.9
70°-80°	2682.8	12.5
80°-90°	272.8	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°	21459.0	100.0
0°-180°	21459.0	100.0

Coefficient of Utilization

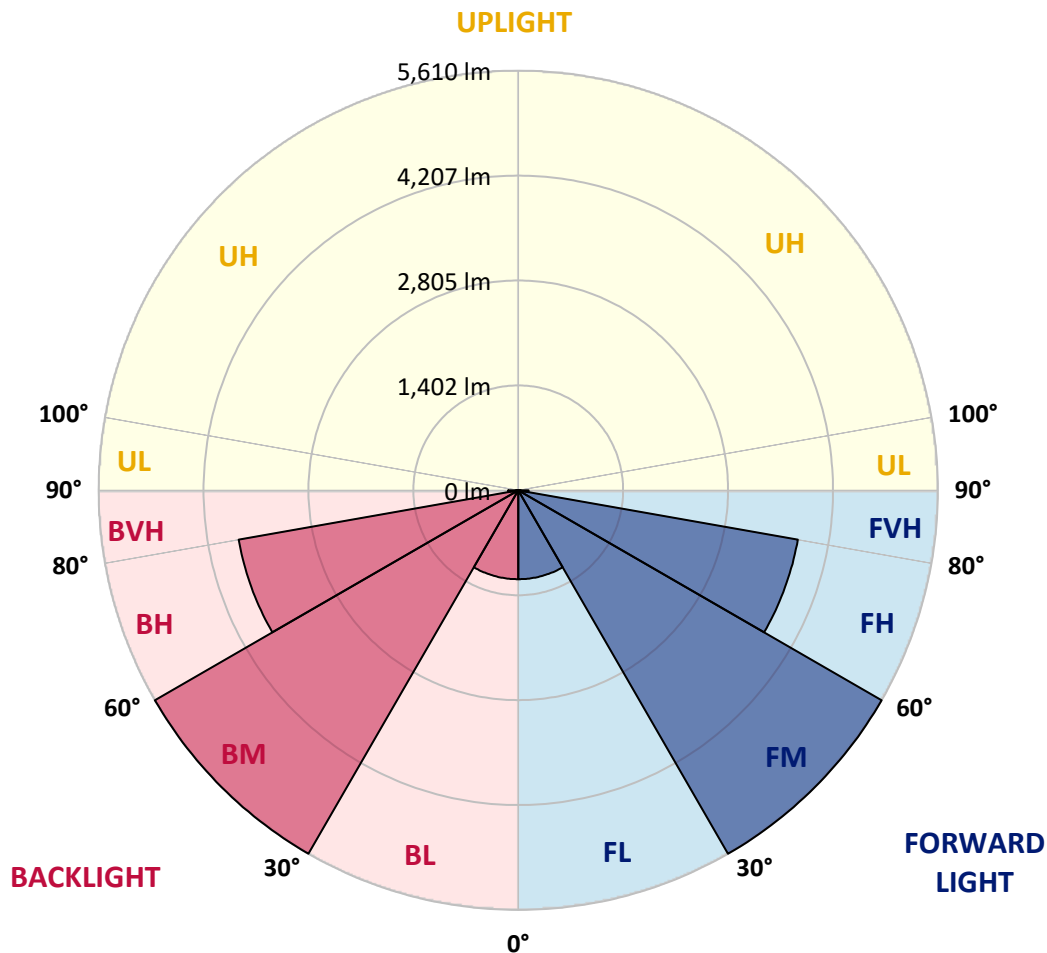


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1188.1	5.5			
FM (30°-60°)	5609.7	26.1			
FH (60°-80°)	3795.3	17.7			G2/5000
FVH (80°-90°)	136.4	0.6			G2/225
BL (0°-30°)	1188.1	5.5	B3/2500		
BM (30°-60°)	5609.7	26.1	B4/8500		
BH (60°-80°)	3795.3	17.7	B4/5000		G4/5000
BVH (80°-90°)	136.4	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°	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2	2231.2
2.5°	2215.4	2216.1	2219.7	2224.0	2227.6	2237.0	2239.1	2242.7	2244.2	2247.8	2247.8
5°	2196.0	2197.4	2206.0	2217.6	2230.5	2253.5	2270.1	2288.8	2298.1	2308.2	2307.5
7.5°	2193.8	2197.4	2209.6	2228.4	2249.9	2288.1	2322.6	2360.0	2385.2	2408.2	2406.8
10°	2216.1	2221.9	2239.1	2267.2	2299.6	2347.1	2398.2	2448.5	2492.4	2527.7	2529.1
12.5°	2249.9	2257.1	2284.5	2326.9	2375.9	2437.0	2497.5	2554.3	2614.7	2667.3	2671.6
15°	2294.5	2303.9	2344.9	2408.2	2483.1	2555.7	2620.5	2678.8	2748.6	2821.2	2828.4
17.5°	2360.7	2373.7	2427.7	2513.3	2611.9	2691.7	2759.4	2803.2	2861.5	2936.4	2950.0
20°	2461.5	2478.0	2546.4	2648.6	2768.7	2852.2	2904.0	2913.3	2942.1	3009.0	3024.9
22.5°	2592.4	2606.8	2683.1	2804.7	2939.2	3029.9	3057.2	3019.8	3016.9	3070.9	3086.0
25°	2738.5	2751.4	2839.9	2976.7	3121.3	3221.3	3220.6	3147.9	3097.5	3139.3	3155.1
27.5°	2902.5	2922.7	3007.6	3151.5	3306.2	3404.8	3399.0	3286.8	3191.1	3201.9	3215.5
30°	3091.1	3113.4	3196.1	3342.2	3496.9	3593.3	3586.1	3437.9	3294.0	3265.2	3275.3
32.5°	3324.9	3351.5	3430.0	3573.9	3710.6	3797.6	3776.8	3601.9	3417.7	3355.1	3364.5
35°	3606.2	3622.1	3704.8	3846.6	3957.4	4017.1	3973.2	3791.9	3574.6	3499.0	3499.0
37.5°	3891.2	3903.4	3996.2	4133.6	4240.9	4272.5	4186.9	3999.8	3779.6	3672.4	3674.6
40°	4164.6	4197.7	4302.0	4443.0	4548.8	4557.4	4443.8	4237.3	4007.7	3896.9	3909.9
42.5°	4450.2	4482.6	4607.1	4766.8	4860.4	4874.7	4741.6	4503.5	4265.3	4175.4	4189.8
45°	4704.9	4730.8	4874.7	5060.4	5176.9	5214.4	5056.8	4808.6	4543.8	4456.0	4459.6
47.5°	4882.7	4916.5	5074.8	5293.5	5463.3	5520.9	5366.2	5105.7	4817.9	4711.4	4720.8
50°	5043.8	5061.8	5222.3	5461.2	5677.0	5795.7	5663.3	5399.3	5094.9	4982.0	4992.0
52.5°	5133.8	5156.8	5312.2	5561.2	5816.6	6008.0	5927.4	5663.3	5362.6	5252.5	5264.7
55°	5071.2	5088.4	5274.8	5583.5	5902.9	6138.9	6151.2	5921.6	5625.2	5528.8	5563.3
57.5°	4786.2	4807.8	5035.2	5439.6	5913.7	6227.4	6319.5	6161.2	5870.6	5792.1	5812.3
60°	4340.9	4354.5	4597.0	5051.7	5703.6	6264.1	6426.8	6357.0	6110.9	6032.5	6059.8
62.5°	3547.2	3567.4	3857.3	4466.8	5259.7	6155.5	6530.4	6518.8	6334.7	6262.7	6287.2
65°	2424.8	2460.0	2780.9	3551.5	4575.4	5823.1	6624.6	6707.4	6532.5	6441.9	6474.2
67.5°	1464.2	1490.1	1722.5	2344.9	3501.2	5152.5	6527.5	6921.8	6672.1	6526.0	6552.7
68°	1308.8	1332.6	1526.8	2116.1	3238.6	4963.2	6439.0	6946.2	6687.2	6524.6	6548.4
70°	790.8	806.6	936.8	1308.1	2159.3	3937.2	5835.3	6926.1	6783.6	6544.8	6558.4
72.5°	515.2	520.2	541.8	671.3	1103.0	2201.7	4379.7	6454.1	6928.3	6662.0	6659.9
75°	428.1	425.2	427.4	442.5	544.0	965.6	2559.3	5098.5	6604.5	6477.1	6431.8
77.5°	361.9	359.8	359.0	359.8	364.1	466.2	1110.9	3176.0	5053.9	5729.5	5769.8
80°	292.8	290.0	299.3	295.0	282.1	290.0	465.5	1321.0	2382.3	2562.9	2401.8
82.5°	213.0	202.2	242.5	231.0	220.2	204.3	256.9	426.7	568.4	390.0	274.1
85°	164.1	152.5	184.2	177.0	151.1	104.3	152.5	208.7	230.2	131.7	103.6
87.5°	66.9	70.5	133.1	105.0	88.5	50.4	62.6	83.5	112.2	56.1	43.2
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)