

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: P317070

Luminaire Tested: **GAN-SA6A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317070
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-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 25946 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

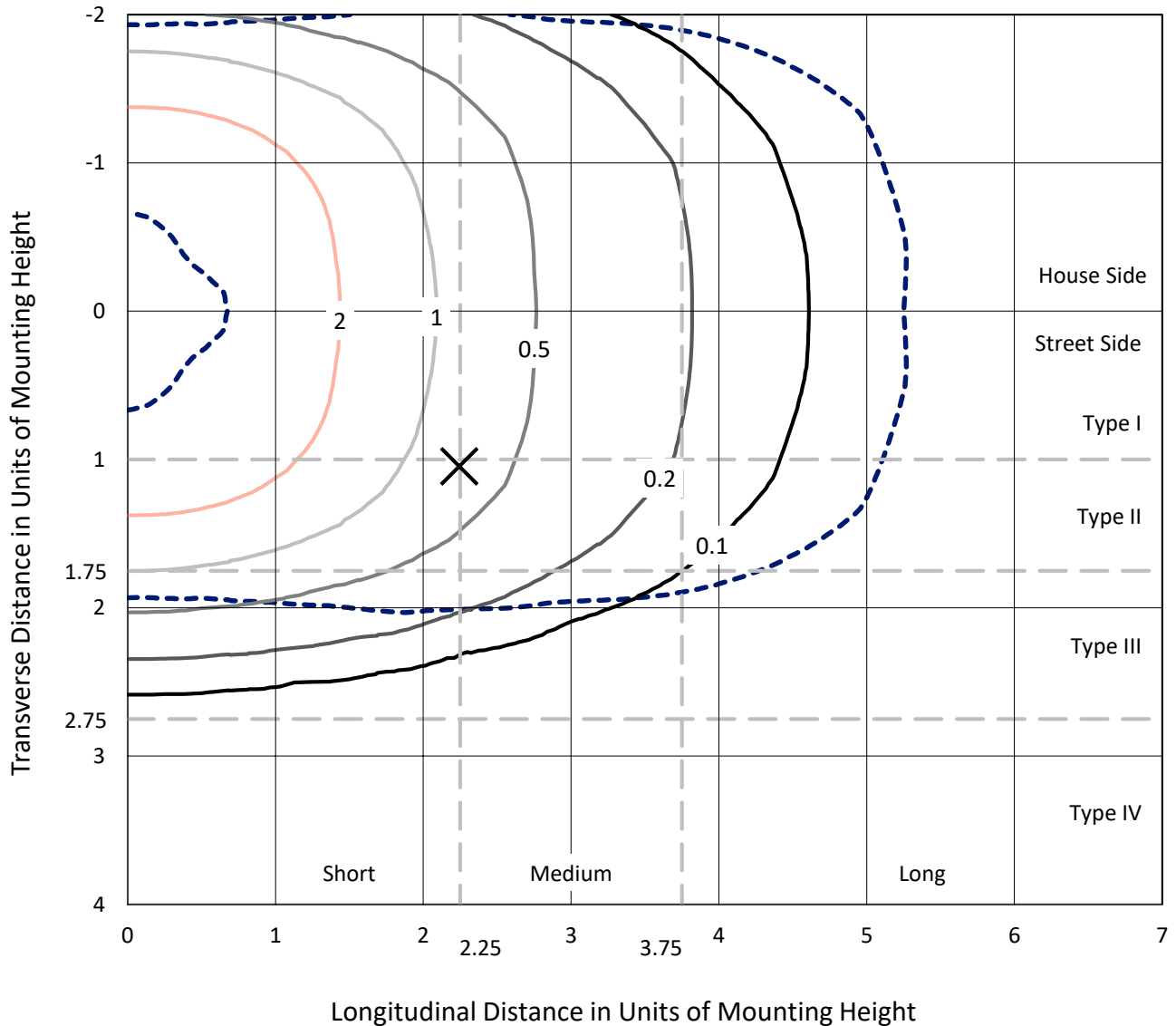
Input Watts (W): 193
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

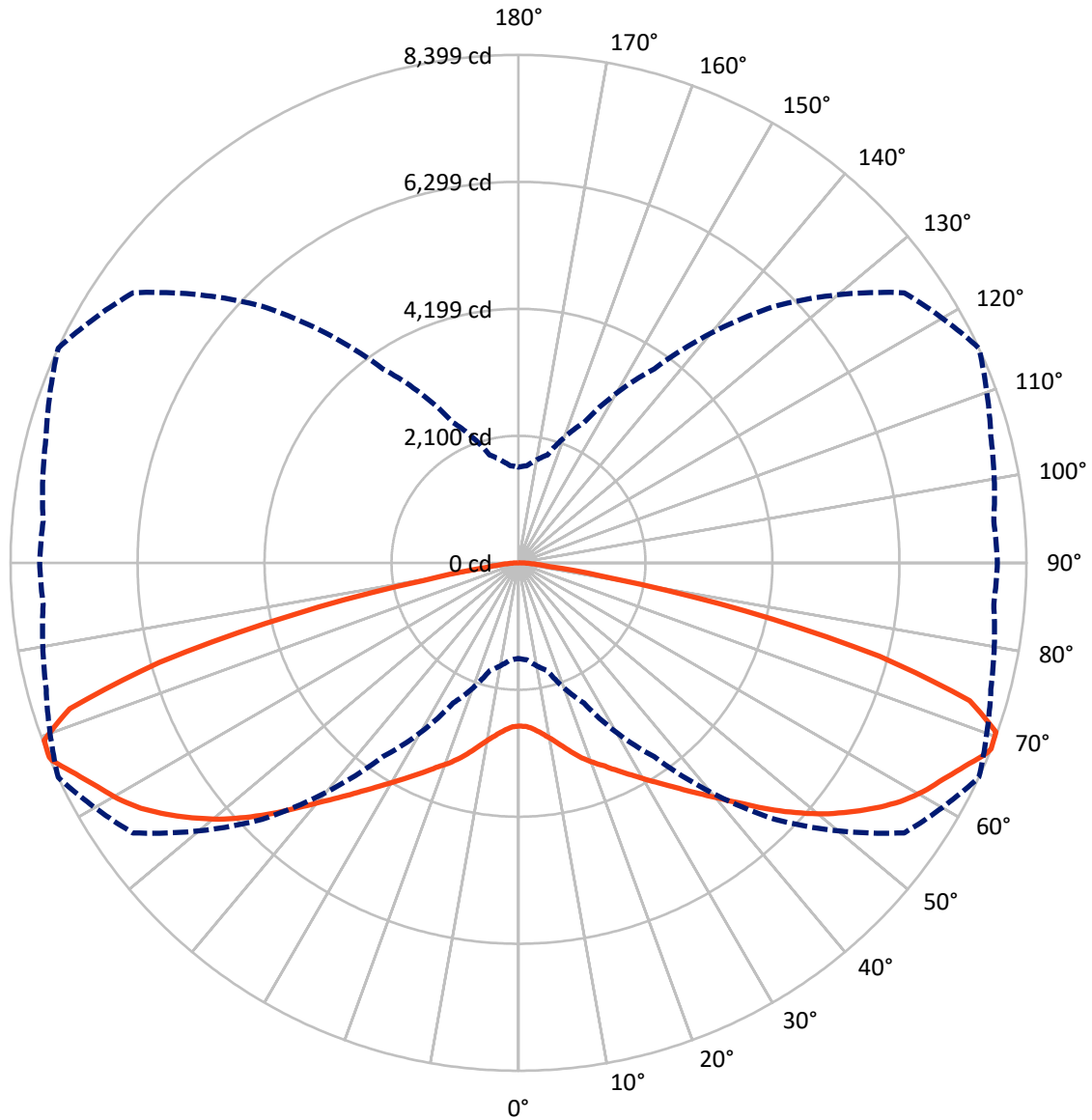
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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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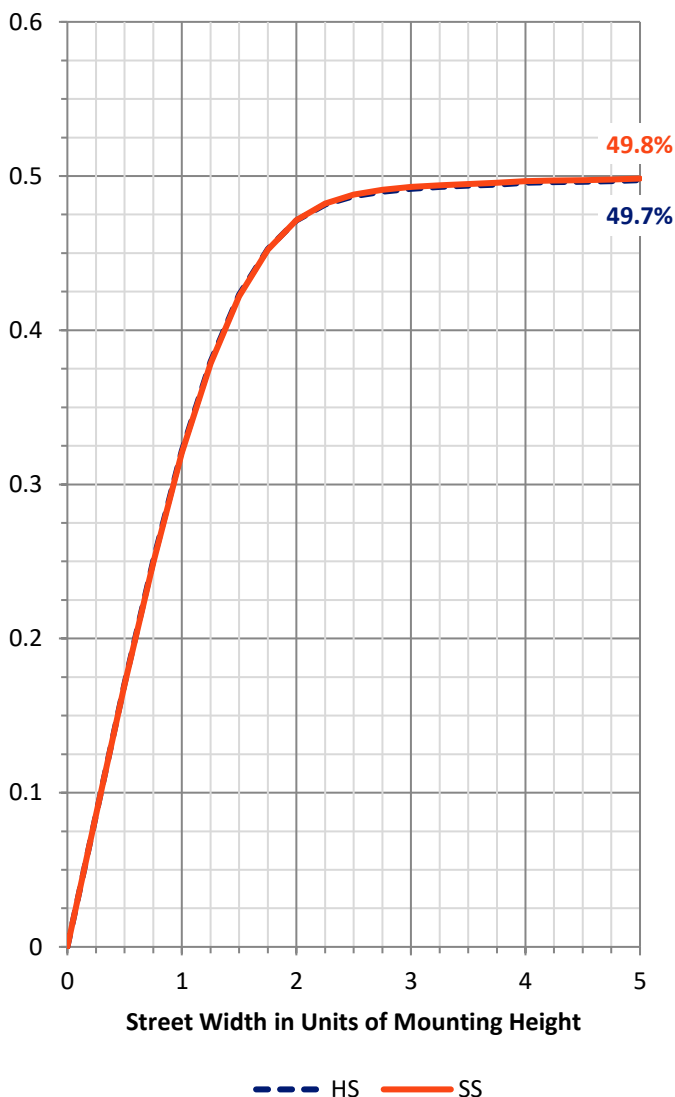
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12973.0	0.0	12973.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12973.0	0.0	12973.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25946.0	0.0	25946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	1.0
10°-20°	884.4	3.4
20°-30°	1724.4	6.6
30°-40°	2896.8	11.2
40°-50°	4564.4	17.6
50°-60°	6104.1	23.5
60°-70°	5934.0	22.9
70°-80°	3243.8	12.5
80°-90°	329.9	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°	25946.0	100.0
0°-180°	25946.0	100.0

Coefficient of Utilization



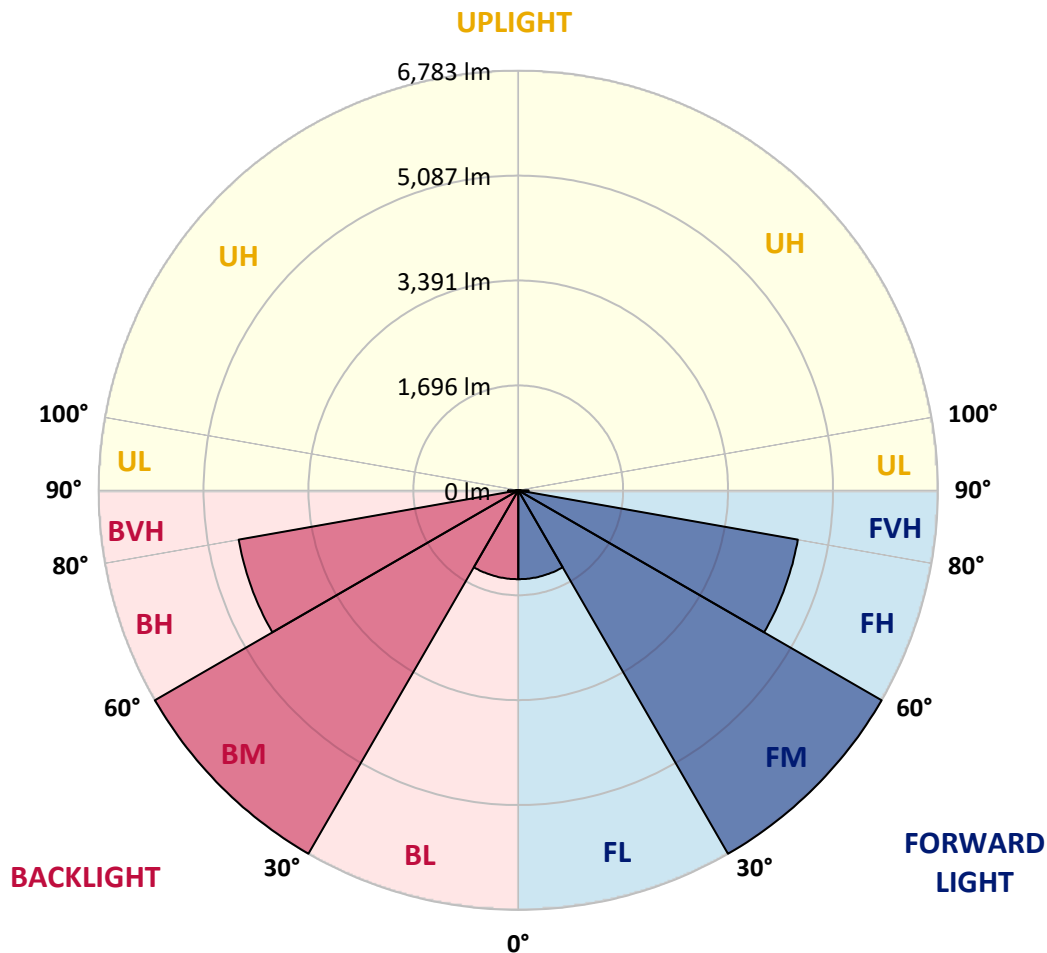
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1436.5	5.5			
FM (30°-60°)	6782.7	26.1			
FH (60°-80°)	4588.9	17.7			G2/5000
FVH (80°-90°)	165.0	0.6			G2/225
BL (0°-30°)	1436.5	5.5	B3/2500		
BM (30°-60°)	6782.7	26.1	B4/8500		
BH (60°-80°)	4588.9	17.7	B4/5000		G4/5000
BVH (80°-90°)	165.0	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°	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8	2697.8
2.5°	2678.6	2679.5	2683.9	2689.1	2693.4	2704.7	2707.3	2711.7	2713.4	2717.8	2717.8
5°	2655.1	2656.9	2667.3	2681.2	2696.9	2724.7	2744.8	2767.4	2778.7	2790.9	2790.0
7.5°	2652.5	2656.9	2671.7	2694.3	2720.4	2766.5	2808.3	2853.5	2883.9	2911.8	2910.0
10°	2679.5	2686.5	2707.3	2741.3	2780.4	2837.8	2899.6	2960.5	3013.6	3056.2	3057.9
12.5°	2720.4	2729.1	2762.2	2813.5	2872.6	2946.6	3019.7	3088.4	3161.5	3225.0	3230.2
15°	2774.3	2785.6	2835.2	2911.8	3002.3	3090.1	3168.4	3238.9	3323.3	3411.1	3419.8
17.5°	2854.4	2870.0	2935.3	3038.8	3158.0	3254.6	3336.3	3389.4	3459.9	3550.3	3566.9
20°	2976.2	2996.2	3078.8	3202.4	3347.6	3448.6	3511.2	3522.5	3557.3	3638.2	3657.3
22.5°	3134.5	3151.9	3244.1	3391.1	3553.8	3663.4	3696.5	3651.3	3647.8	3713.0	3731.3
25°	3311.1	3326.8	3433.8	3599.1	3773.9	3894.9	3894.0	3806.1	3745.2	3795.7	3814.8
27.5°	3509.5	3533.8	3636.5	3810.5	3997.5	4116.7	4109.7	3974.0	3858.3	3871.4	3887.9
30°	3737.4	3764.4	3864.4	4041.0	4228.0	4344.6	4335.9	4156.7	3982.7	3947.9	3960.1
32.5°	4020.1	4052.3	4147.1	4321.1	4486.4	4591.7	4566.5	4355.1	4132.4	4056.7	4068.0
35°	4360.3	4379.4	4479.5	4650.9	4784.8	4857.0	4804.0	4584.7	4322.0	4230.7	4230.7
37.5°	4704.8	4719.6	4831.8	4998.0	5127.6	5165.9	5062.3	4836.2	4569.9	4440.3	4442.9
40°	5035.4	5075.4	5201.5	5372.1	5499.9	5510.4	5372.9	5123.2	4845.7	4711.8	4727.4
42.5°	5380.8	5419.9	5570.4	5763.5	5876.6	5894.0	5733.1	5445.1	5157.2	5048.4	5065.8
45°	5688.7	5720.0	5894.0	6118.5	6259.4	6304.7	6114.1	5814.0	5493.9	5387.7	5392.1
47.5°	5903.6	5944.5	6135.9	6400.4	6605.7	6675.3	6488.2	6173.3	5825.3	5696.6	5707.9
50°	6098.5	6120.2	6314.2	6603.1	6864.1	7007.6	6847.5	6528.2	6160.2	6023.7	6035.8
52.5°	6207.2	6235.1	6423.0	6724.0	7032.8	7264.2	7166.8	6847.5	6483.9	6350.8	6365.6
55°	6131.5	6152.4	6377.7	6751.0	7137.2	7422.6	7437.4	7159.8	6801.4	6684.8	6726.6
57.5°	5787.0	5813.1	6088.0	6577.0	7150.3	7529.6	7640.9	7449.5	7098.1	7003.2	7027.6
60°	5248.5	5265.1	5558.2	6108.1	6896.2	7573.9	7770.6	7686.2	7388.6	7293.8	7326.9
62.5°	4288.9	4313.3	4663.9	5400.8	6359.5	7442.6	7895.8	7881.9	7659.2	7572.2	7601.8
65°	2931.8	2974.4	3362.4	4294.2	5532.1	7040.7	8009.8	8109.8	7898.4	7788.8	7828.0
67.5°	1770.4	1801.7	2082.7	2835.2	4233.3	6229.8	7892.4	8369.1	8067.2	7890.6	7922.8
68°	1582.5	1611.2	1846.1	2558.6	3915.7	6001.0	7785.4	8398.7	8085.5	7888.9	7917.6
70°	956.1	975.2	1132.7	1581.6	2610.8	4760.5	7055.4	8374.3	8202.1	7913.2	7929.8
72.5°	622.9	629.0	655.1	811.7	1333.7	2662.1	5295.5	7803.6	8376.9	8055.0	8052.4
75°	517.6	514.2	516.8	535.0	657.7	1167.5	3094.5	6164.6	7985.4	7831.5	7776.7
77.5°	437.6	435.0	434.1	435.0	440.2	563.7	1343.2	3840.0	6110.7	6927.6	6976.3
80°	354.1	350.6	361.9	356.7	341.0	350.6	562.9	1597.3	2880.5	3098.8	2904.0
82.5°	257.5	244.5	293.2	279.3	266.2	247.1	310.6	515.9	687.3	471.5	331.5
85°	198.4	184.4	222.7	214.0	182.7	126.1	184.4	252.3	278.4	159.2	125.3
87.5°	80.9	85.3	160.9	127.0	107.0	60.9	75.7	100.9	135.7	67.9	52.2
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)