

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: P383496

Luminaire Tested: **GAN-SA8A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383496
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-SA8A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36646.2 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

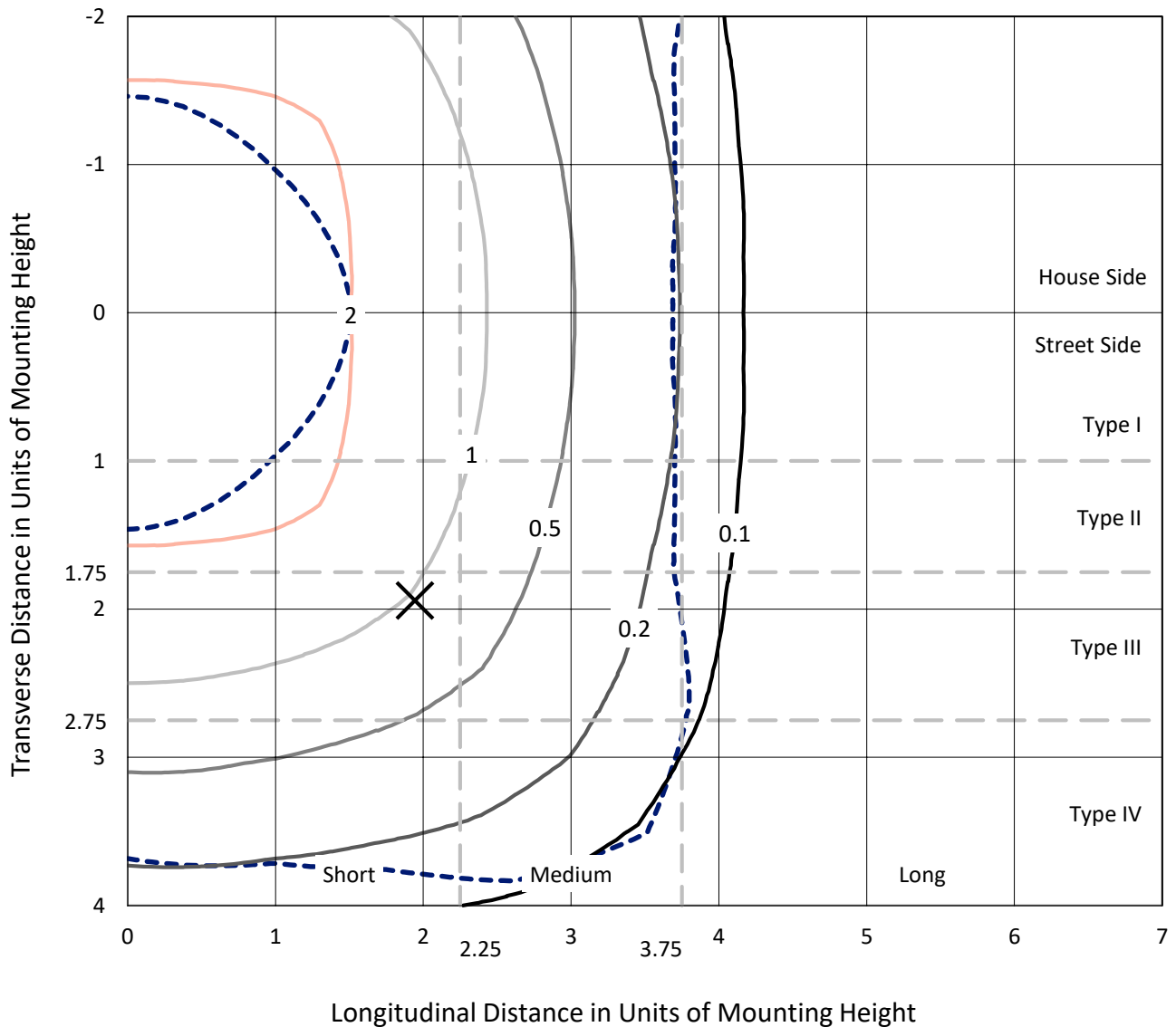
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

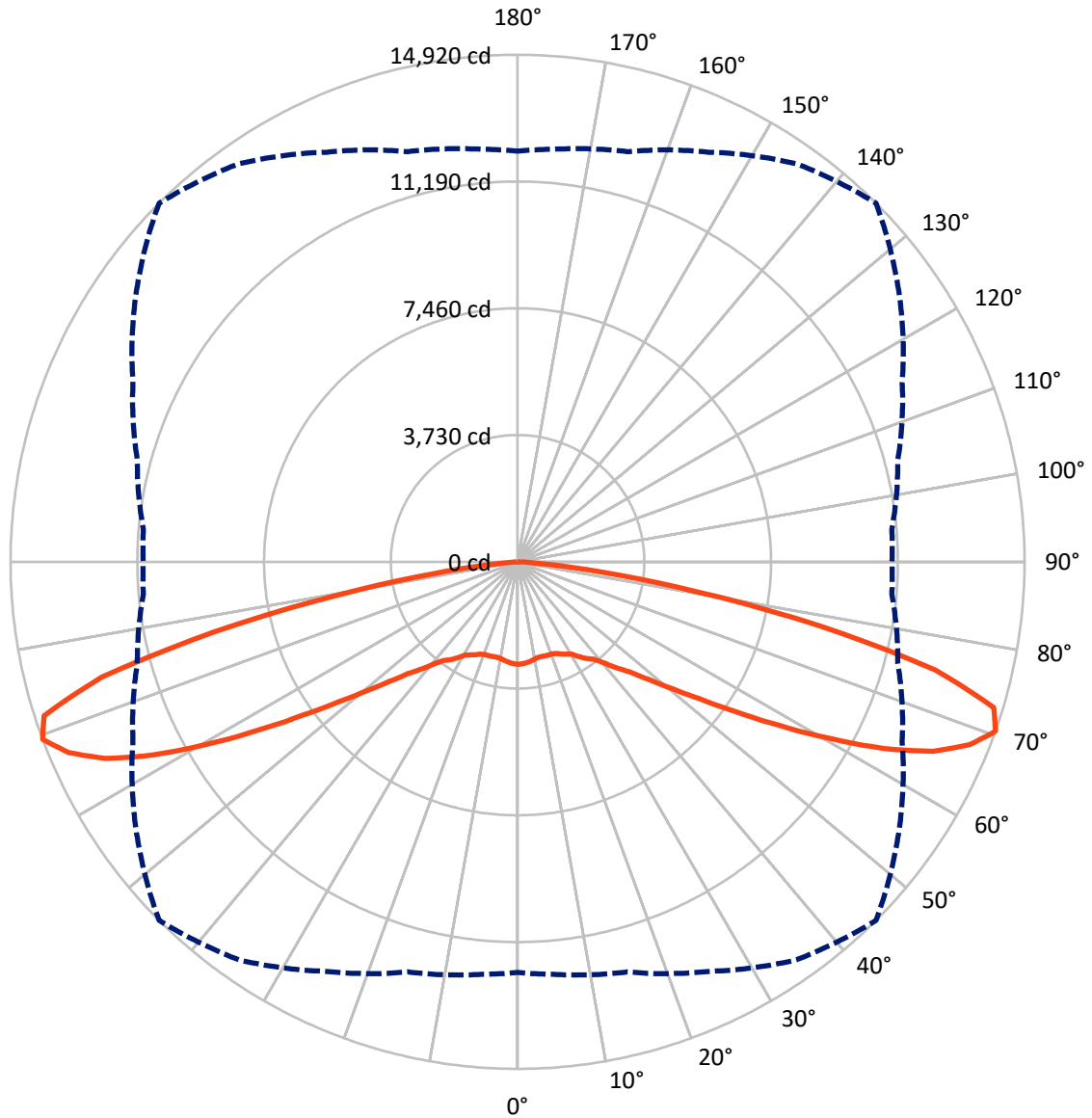
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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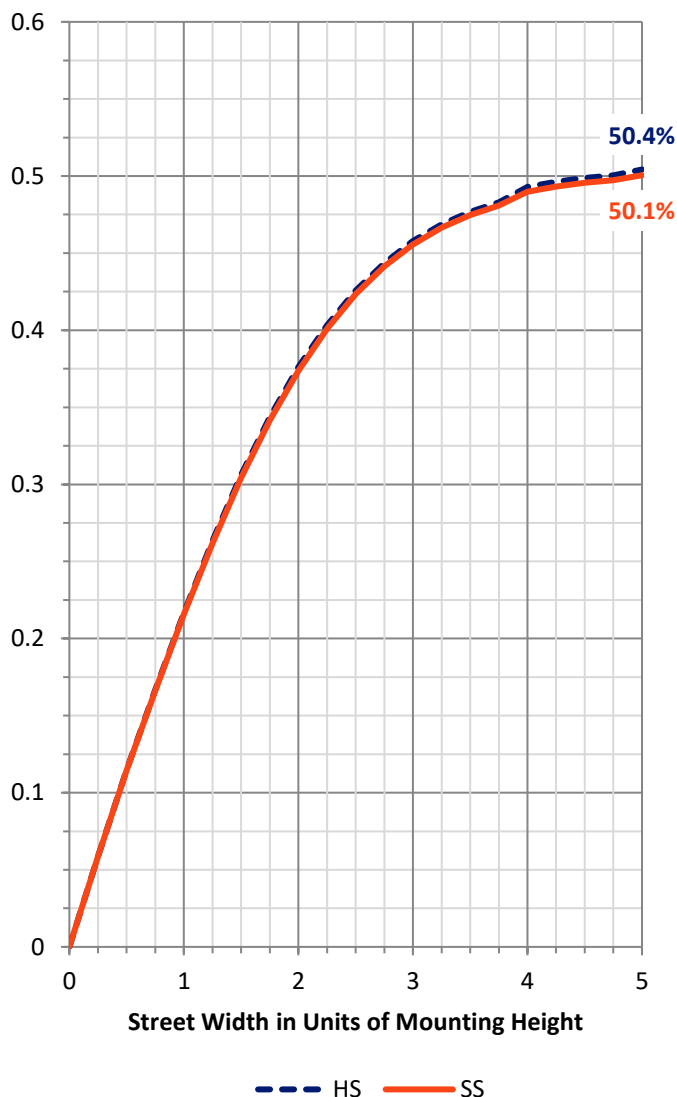
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18323.1	0.0	18323.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18323.1	0.0	18323.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	36646.2	0.0	36646.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	0.8
10°-20°	822.3	2.2
20°-30°	1401.9	3.8
30°-40°	2190.5	6.0
40°-50°	3712.4	10.1
50°-60°	6769.9	18.5
60°-70°	11654.8	31.8
70°-80°	9135.5	24.9
80°-90°	677.4	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°	36646.2	100.0
0°-180°	36646.2	100.0

Coefficient of Utilization

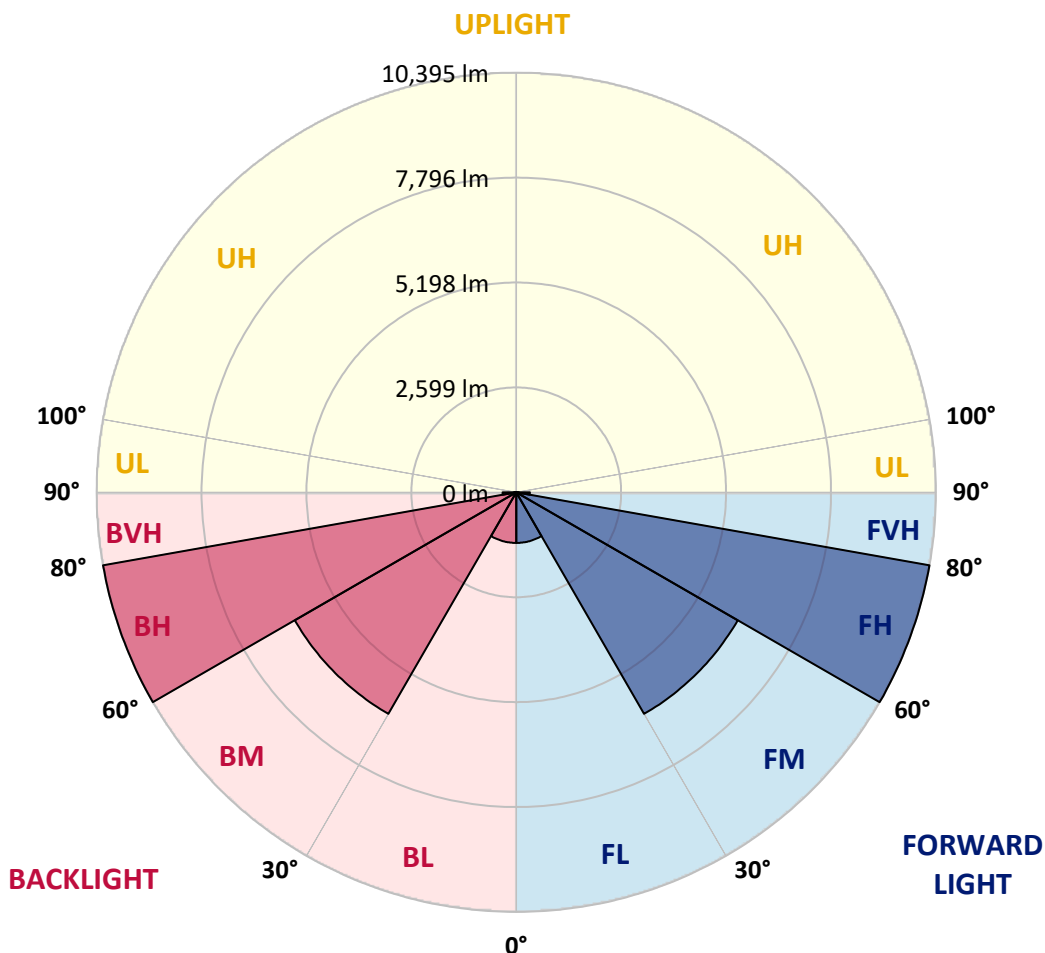


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1252.8	3.4			
FM (30°-60°)	6336.4	17.3			
FH (60°-80°)	10395.2	28.4			G4/12000
FVH (80°-90°)	338.7	0.9			G3/500
BL (0°-30°)	1252.8	3.4	B3/2500		
BM (30°-60°)	6336.4	17.3	B4/8500		
BH (60°-80°)	10395.2	28.4	B5		G4/12000
BVH (80°-90°)	338.7	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°	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0	3016.0
2.5°	3002.7	3006.3	3002.7	3005.1	2999.0	3001.4	3001.4	3001.4	3000.2	3001.4	2999.0
5°	2976.0	2978.4	2973.6	2976.0	2972.4	2976.0	2977.2	2976.0	2973.6	2974.8	2970.0
7.5°	2936.0	2938.4	2934.7	2938.4	2933.5	2939.6	2938.4	2934.7	2931.1	2931.1	2926.3
10°	2914.2	2915.4	2905.7	2902.1	2891.2	2893.6	2897.2	2900.8	2904.5	2911.7	2910.5
12.5°	2915.4	2915.4	2900.8	2885.1	2869.3	2873.0	2879.0	2892.4	2906.9	2920.2	2921.4
15°	2927.5	2926.3	2904.5	2879.0	2868.0	2879.0	2882.7	2891.2	2914.2	2937.2	2938.4
17.5°	2936.0	2936.0	2902.1	2873.0	2871.8	2888.7	2887.5	2891.2	2916.6	2950.5	2951.7
20°	2951.7	2951.7	2908.1	2876.6	2876.6	2894.8	2896.0	2902.1	2927.5	2965.1	2971.2
22.5°	2986.9	2988.1	2942.0	2916.6	2919.0	2929.9	2933.5	2943.2	2966.3	3007.5	3014.8
25°	3036.6	3039.0	2991.8	2977.2	2985.7	3006.3	3003.9	3011.1	3036.6	3076.6	3083.9
27.5°	3105.7	3099.6	3055.9	3049.9	3058.5	3073.0	3071.8	3073.0	3093.6	3129.9	3138.4
30°	3195.4	3193.0	3161.5	3165.1	3161.5	3156.6	3157.9	3167.5	3178.4	3207.5	3216.0
32.5°	3282.7	3285.1	3265.7	3283.9	3310.5	3328.7	3300.8	3274.2	3262.1	3277.8	3285.1
35°	3440.3	3446.4	3416.0	3403.9	3440.3	3493.6	3414.8	3371.2	3395.4	3416.0	3422.0
37.5°	3708.1	3711.8	3660.9	3612.4	3585.7	3636.7	3557.9	3561.5	3646.4	3685.1	3683.9
40°	4013.7	4014.9	3980.9	3938.5	3892.4	3904.5	3873.0	3882.7	3938.5	3973.6	3983.3
42.5°	4377.3	4373.6	4320.3	4259.7	4246.4	4258.5	4205.2	4197.9	4262.1	4325.2	4326.4
45°	4848.9	4840.3	4771.3	4704.6	4640.3	4613.7	4600.4	4635.5	4724.0	4782.2	4783.4
47.5°	5356.8	5333.8	5297.3	5244.1	5188.3	5161.6	5139.8	5156.8	5221.0	5244.1	5246.5
50°	5879.2	5884.1	5891.4	5870.7	5850.1	5841.6	5784.6	5751.9	5771.3	5728.9	5722.9
52.5°	6498.7	6508.4	6578.7	6638.1	6673.2	6691.4	6583.5	6470.8	6407.7	6325.3	6301.1
55°	7229.6	7245.4	7348.4	7513.3	7683.0	7772.7	7577.6	7366.6	7171.4	7017.5	6967.8
57.5°	8044.2	8072.1	8213.9	8530.4	8878.2	9090.4	8760.6	8377.6	8000.6	7778.8	7739.9
60°	8999.5	9026.1	9222.5	9675.9	10239.6	10558.3	10058.9	9432.2	8963.1	8751.0	8679.4
62.5°	10136.5	10139.0	10380.1	10909.9	11654.2	12097.9	11421.4	10583.8	10100.1	9844.4	9775.3
65°	11359.7	11365.7	11615.4	12187.6	12957.4	13439.8	12676.1	11803.3	11211.7	10834.7	10781.5
67.5°	12224.0	12249.4	12512.5	13201.0	13921.0	14356.3	13565.8	12579.2	11895.4	11445.7	11400.8
70°	12085.7	12185.1	12494.3	13297.9	14299.3	14919.9	13710.1	12487.0	11585.1	11054.1	11016.6
72.5°	10540.2	10730.5	11142.6	12197.3	13798.6	14653.2	12923.4	11183.9	10163.2	9711.0	9643.1
75°	7177.5	7486.7	8108.5	9629.8	11788.7	12687.0	10879.6	8917.1	7957.0	7331.5	7285.4
77.5°	3200.2	3270.6	4058.5	5810.2	8135.1	9111.0	7904.8	5833.2	4378.6	3492.4	3305.7
80°	892.1	903.1	1205.0	2163.8	4071.8	5353.1	4371.2	2272.9	1277.7	900.7	848.5
82.5°	283.7	307.9	375.8	561.3	1368.6	2442.6	1405.0	606.1	431.6	344.3	310.3
85°	138.1	136.9	190.3	227.9	349.1	540.7	372.2	281.2	246.1	163.7	147.9
87.5°	58.2	59.4	88.5	80.0	101.8	87.3	120.0	126.0	132.1	72.8	63.1
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)