

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: P316439

Luminaire Tested: **GAN-SA5B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316439
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-SA5B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27324 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

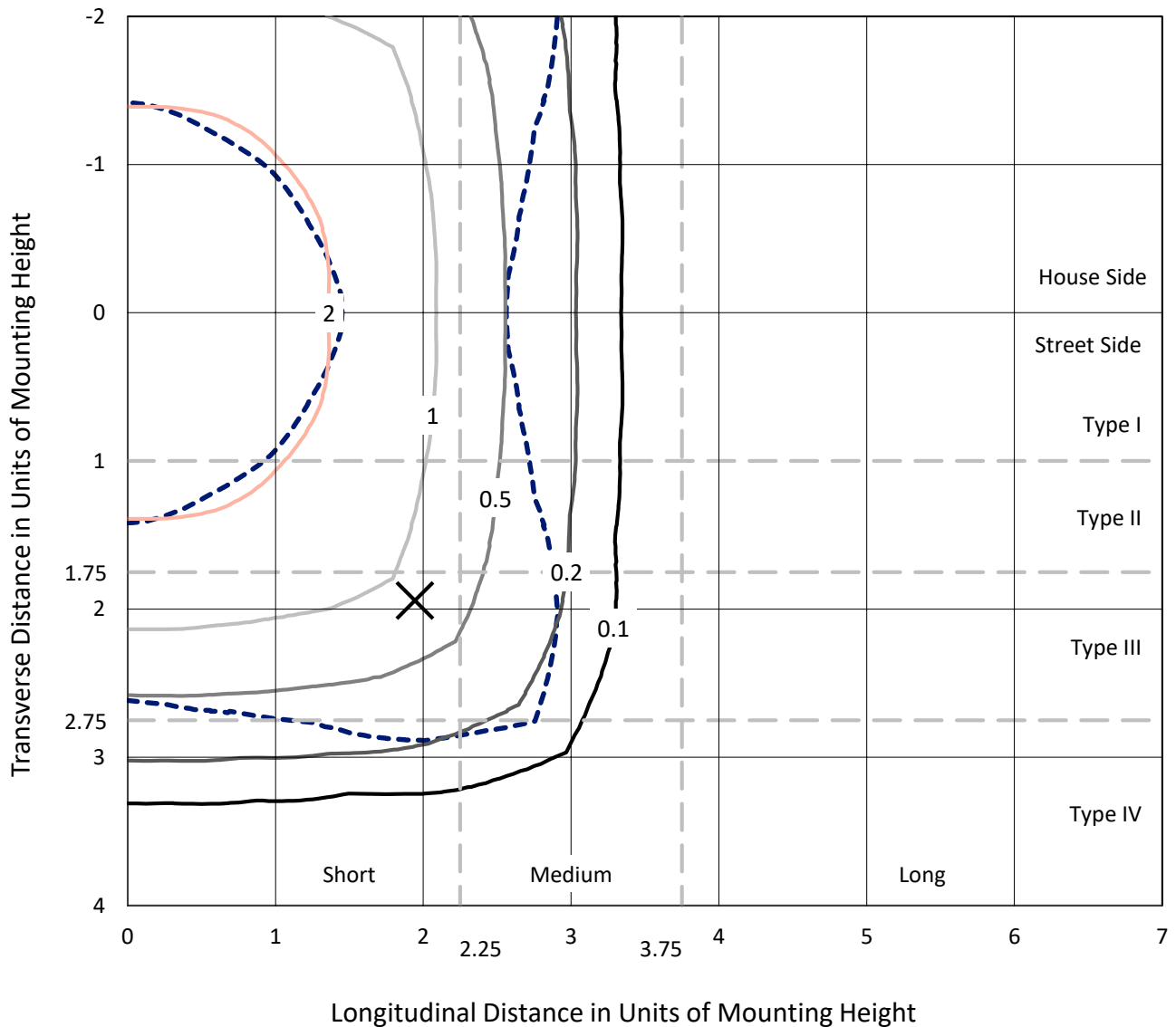
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

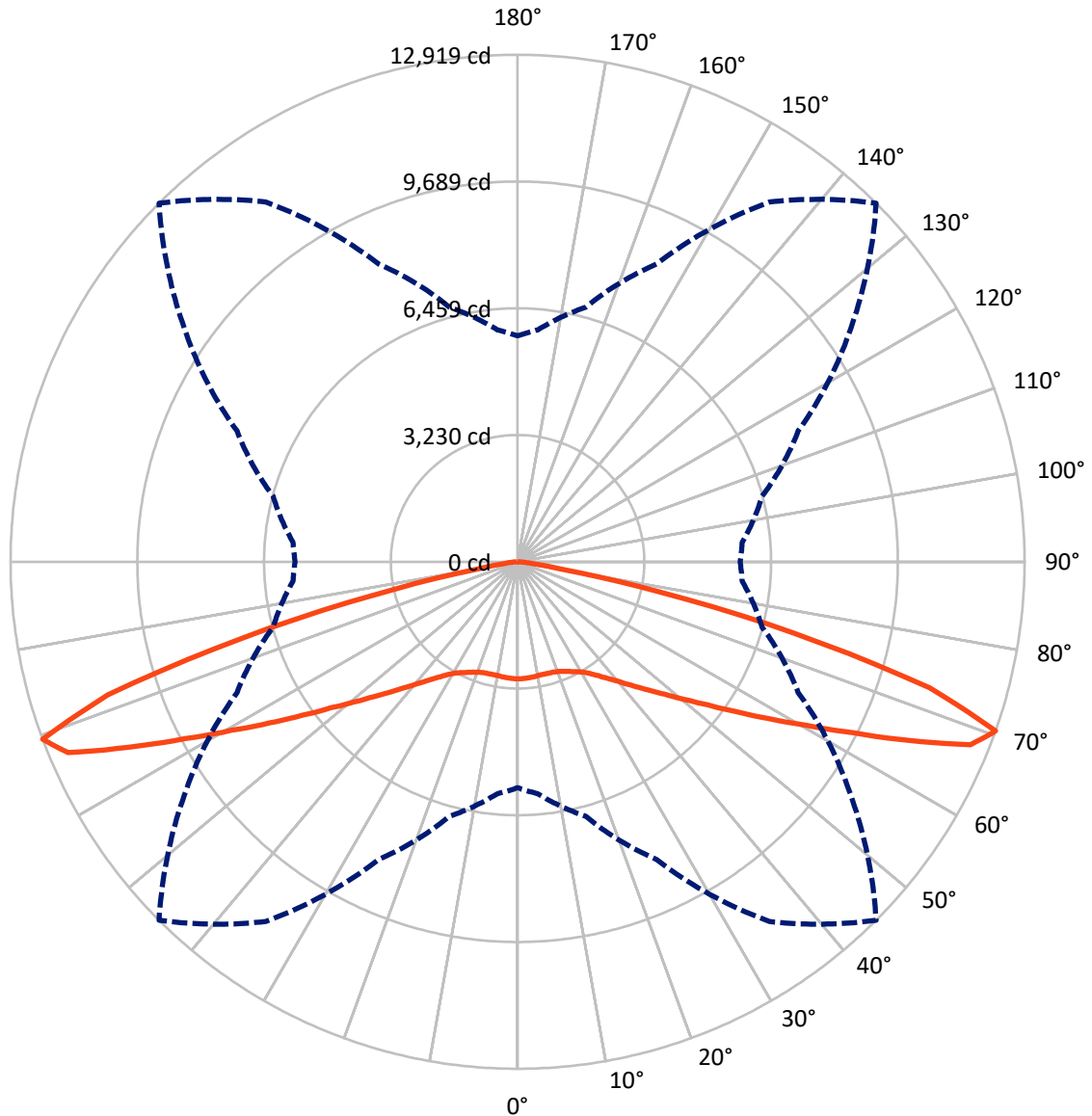
✕ Max cd
 - - - 1/2 Max cd



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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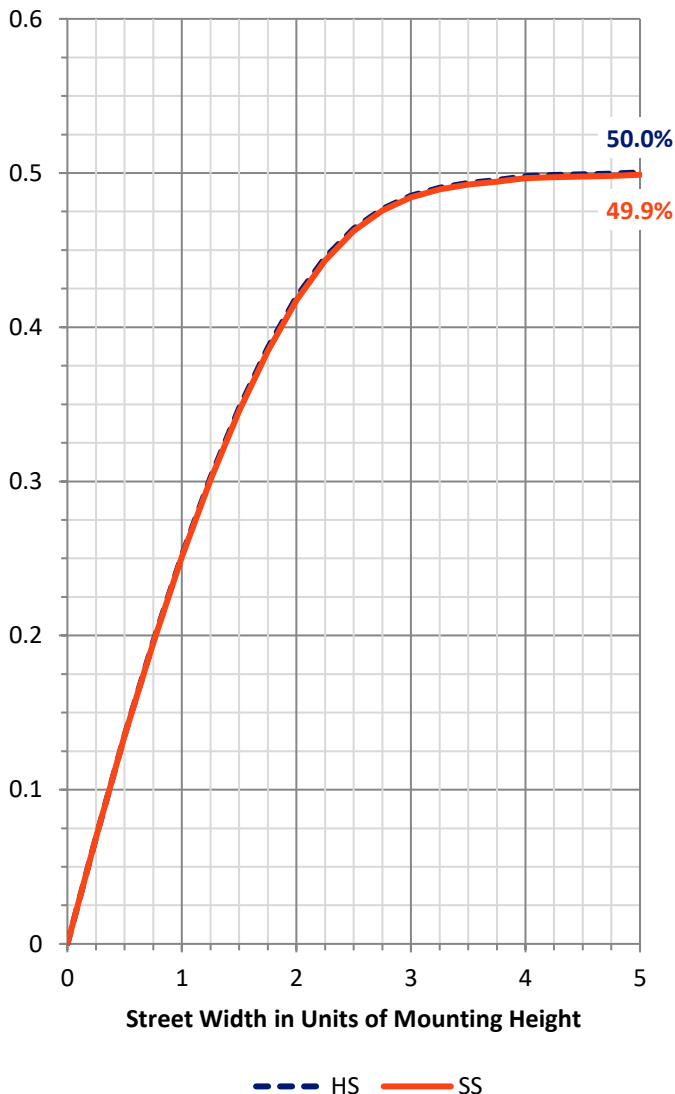
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13662.0	0.0	13662.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13662.0	0.0	13662.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27324.0	0.0	27324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	1.0
10°-20°	829.7	3.0
20°-30°	1412.5	5.2
30°-40°	2240.2	8.2
40°-50°	3645.5	13.3
50°-60°	6010.8	22.0
60°-70°	8824.0	32.3
70°-80°	3902.0	14.3
80°-90°	176.7	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°	27324.0	100.0
0°-180°	27324.0	100.0

Coefficient of Utilization

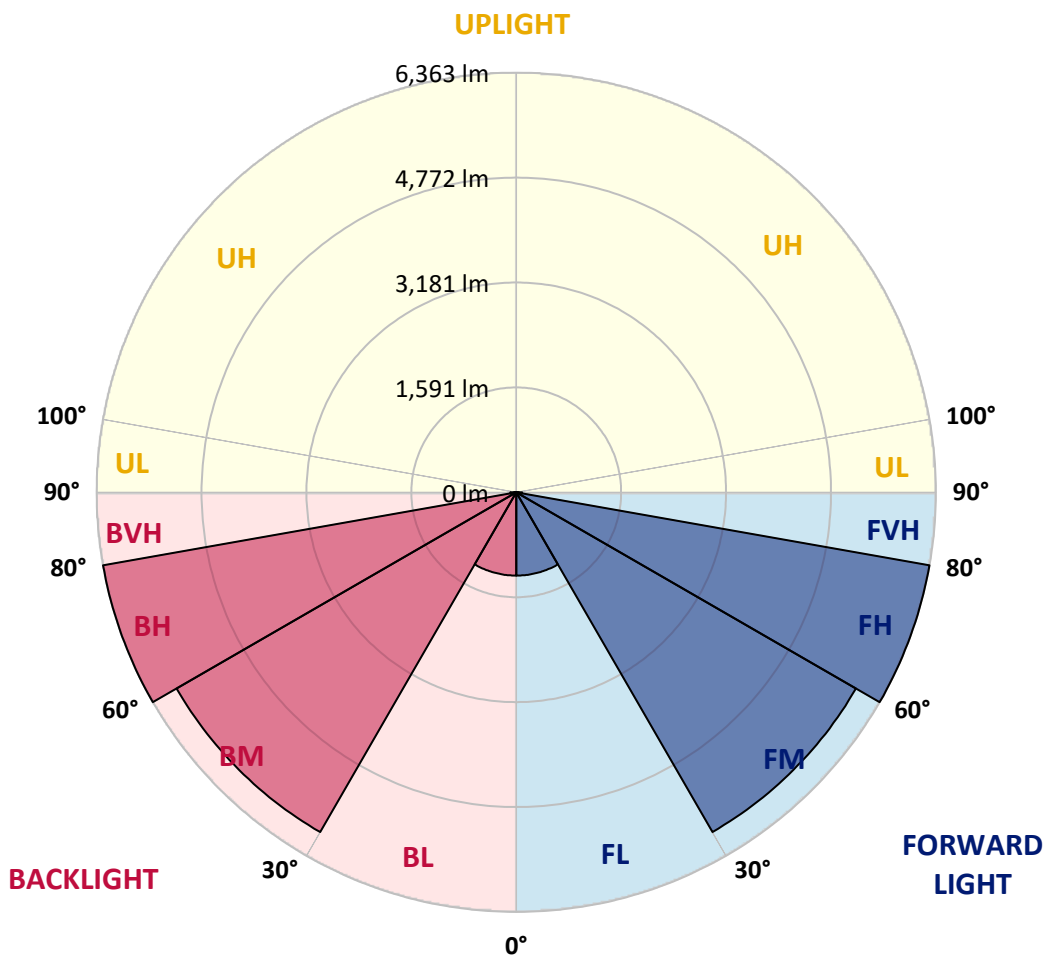


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1262.4	4.6			
FM (30°-60°)	5948.2	21.8			
FH (60°-80°)	6363.0	23.3			G3/7500
FVH (80°-90°)	88.4	0.3			G1/100
BL (0°-30°)	1262.4	4.6	B3/2500		
BM (30°-60°)	5948.2	21.8	B4/8500		
BH (60°-80°)	6363.0	23.3	B5		G3/7500
BVH (80°-90°)	88.4	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°	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2	2984.2
2.5°	2979.7	2977.0	2983.3	2982.4	2977.0	2977.9	2977.9	2980.6	2980.6	2978.8	2978.8
5°	2968.8	2967.0	2974.3	2974.3	2968.8	2970.6	2972.5	2975.2	2974.3	2972.5	2971.5
7.5°	2955.3	2954.4	2961.6	2961.6	2958.0	2959.8	2958.0	2958.9	2957.1	2955.3	2952.6
10°	2932.7	2934.5	2940.8	2942.6	2942.6	2943.5	2941.7	2937.2	2934.5	2931.8	2929.0
12.5°	2911.9	2911.0	2920.0	2924.5	2931.8	2939.9	2934.5	2921.8	2916.4	2911.0	2909.1
15°	2898.3	2899.2	2908.2	2916.4	2929.0	2946.2	2939.9	2920.0	2909.1	2902.8	2901.0
17.5°	2895.6	2897.4	2909.1	2923.6	2937.2	2956.2	2952.6	2932.7	2914.6	2902.8	2900.1
20°	2901.9	2902.8	2920.9	2941.7	2965.2	2983.3	2975.2	2953.5	2929.0	2911.0	2906.4
22.5°	2913.7	2917.3	2939.9	2972.5	3008.6	3033.0	3023.1	2986.0	2948.0	2925.4	2919.1
25°	2950.7	2951.7	2982.4	3026.7	3070.1	3098.1	3086.4	3033.9	2985.1	2959.8	2951.7
27.5°	3027.6	3030.3	3061.1	3112.6	3149.7	3167.8	3160.5	3118.0	3076.4	3049.3	3052.0
30°	3138.8	3142.5	3176.8	3233.8	3256.4	3260.9	3259.1	3239.2	3201.2	3165.1	3167.8
32.5°	3274.5	3276.3	3322.4	3374.0	3392.0	3395.7	3392.0	3374.0	3328.7	3279.9	3282.6
35°	3449.0	3454.4	3498.8	3548.5	3563.0	3570.2	3563.9	3540.4	3493.3	3445.4	3443.6
37.5°	3664.2	3665.1	3711.3	3762.8	3780.9	3782.7	3775.5	3760.1	3701.3	3657.9	3655.2
40°	3913.8	3917.4	3971.7	4026.9	4034.1	4026.0	4035.9	4026.9	3966.3	3916.5	3924.7
42.5°	4217.7	4225.8	4290.9	4345.2	4324.4	4319.9	4326.2	4328.9	4280.1	4219.5	4214.1
45°	4571.3	4578.5	4659.9	4703.3	4689.7	4659.9	4672.5	4694.2	4626.4	4551.4	4558.6
47.5°	4974.6	4992.7	5079.5	5120.2	5086.7	5046.0	5070.4	5103.0	5023.4	4930.3	4925.7
50°	5423.1	5445.7	5561.5	5618.4	5585.0	5509.9	5550.6	5572.3	5457.5	5337.2	5327.3
52.5°	5901.5	5924.1	6069.7	6187.3	6165.6	6048.9	6105.9	6083.3	5951.2	5789.4	5776.7
55°	6443.2	6452.2	6609.6	6799.5	6821.2	6735.3	6731.6	6694.6	6499.2	6312.0	6303.0
57.5°	7000.2	7006.6	7210.0	7434.3	7536.5	7536.5	7435.2	7356.5	7097.0	6880.0	6857.3
60°	7601.6	7624.2	7849.4	8154.1	8392.9	8463.4	8284.3	8070.0	7787.9	7522.9	7496.7
62.5°	8136.9	8163.2	8507.7	8961.7	9345.1	9601.9	9164.2	8815.2	8301.5	7876.5	7826.8
65°	8204.8	8275.3	8777.2	9599.2	10457.4	10970.1	10130.9	9270.9	8335.0	7744.5	7693.8
67.5°	7493.1	7612.4	8290.7	9570.3	11343.6	12444.1	10748.6	9010.5	7734.5	7081.6	7025.5
70°	5757.7	5931.3	6713.6	8371.2	11190.8	12918.9	10361.5	7888.3	6448.6	5746.0	5667.3
72.5°	3158.7	3230.2	3933.7	5732.4	8971.6	10978.3	8642.4	5832.8	4276.5	3479.8	3347.7
75°	1002.0	1027.3	1385.4	2345.8	5075.0	7271.5	5490.0	2863.0	1576.2	1162.0	1148.5
77.5°	444.9	447.6	501.0	684.6	1748.0	3684.1	2099.8	779.5	537.2	469.3	484.7
80°	281.2	281.2	310.2	339.1	475.7	1069.8	567.9	370.8	316.5	293.9	300.2
82.5°	134.7	149.2	201.7	217.0	261.3	359.9	291.2	242.4	211.6	157.3	146.5
85°	88.6	74.2	127.5	143.8	151.9	172.7	169.1	160.1	138.4	78.7	87.7
87.5°	39.8	38.0	66.0	60.6	57.0	43.4	65.1	80.5	77.8	38.9	38.9
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)