

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: P316789

Luminaire Tested: **GAN-SA5A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316789
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-SA5A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24026 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

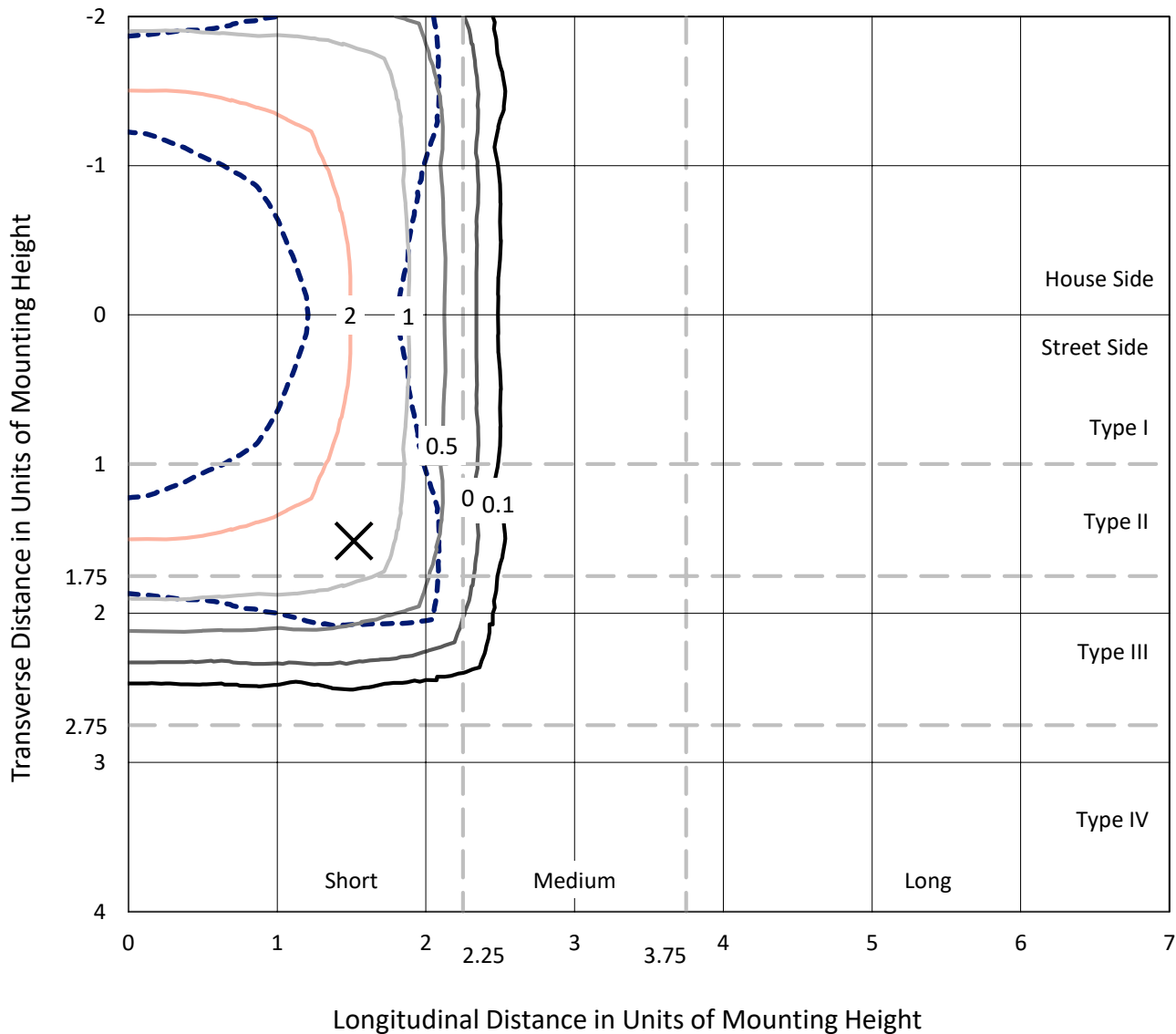
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

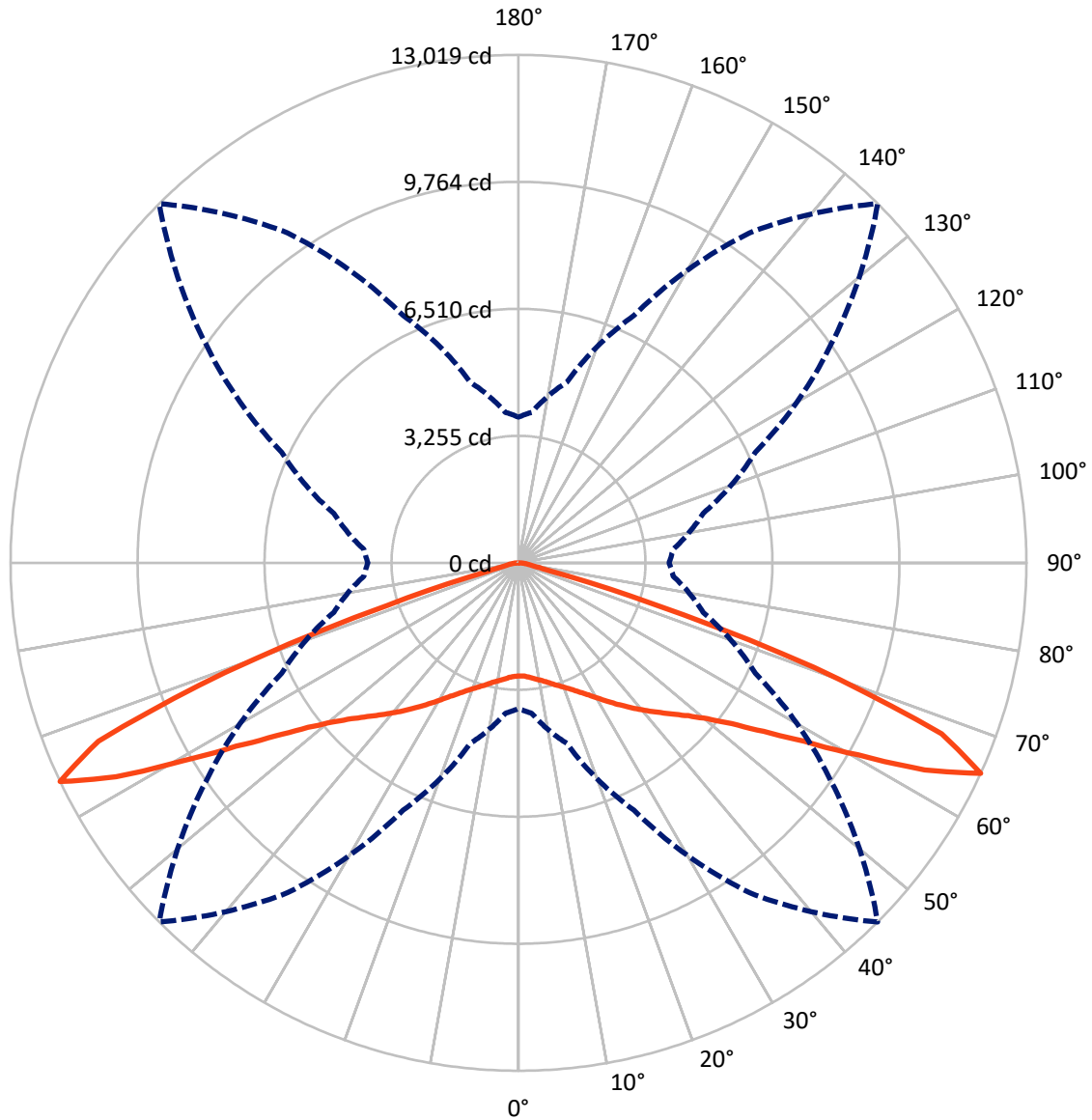
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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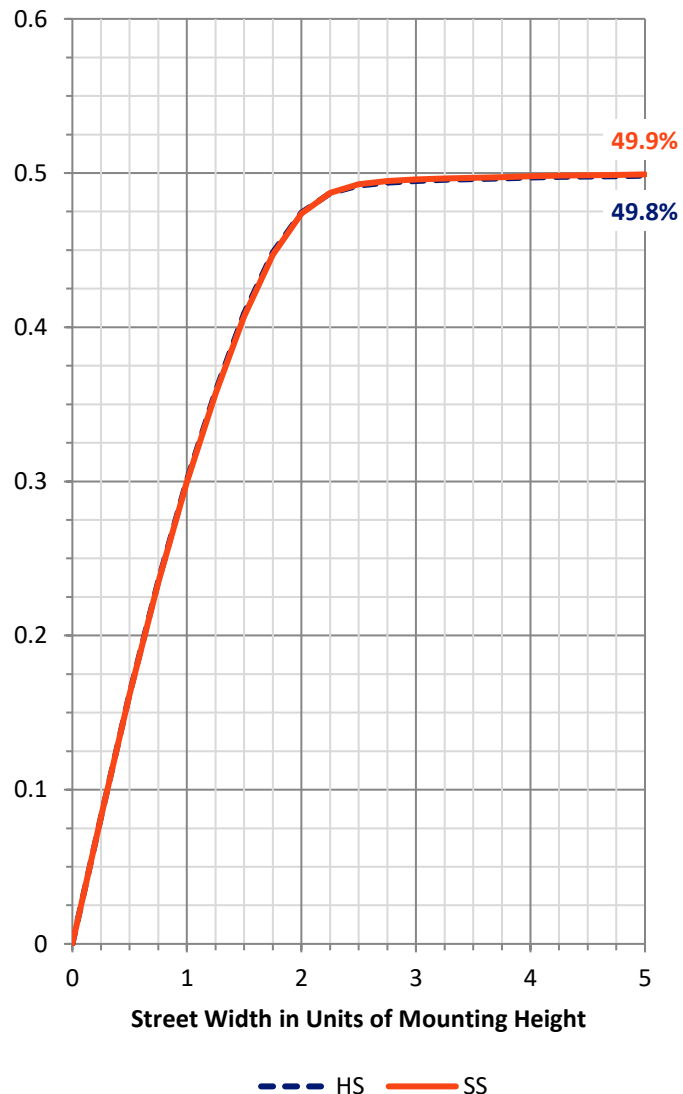
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12013.0	0.0	12013.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12013.0	0.0	12013.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24026.0	0.0	24026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.7	1.2
10°-20°	915.0	3.8
20°-30°	1716.7	7.1
30°-40°	2839.1	11.8
40°-50°	4397.4	18.3
50°-60°	6744.4	28.1
60°-70°	6293.3	26.2
70°-80°	732.4	3.0
80°-90°	102.9	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°	24026.0	100.0
0°-180°	24026.0	100.0

Coefficient of Utilization

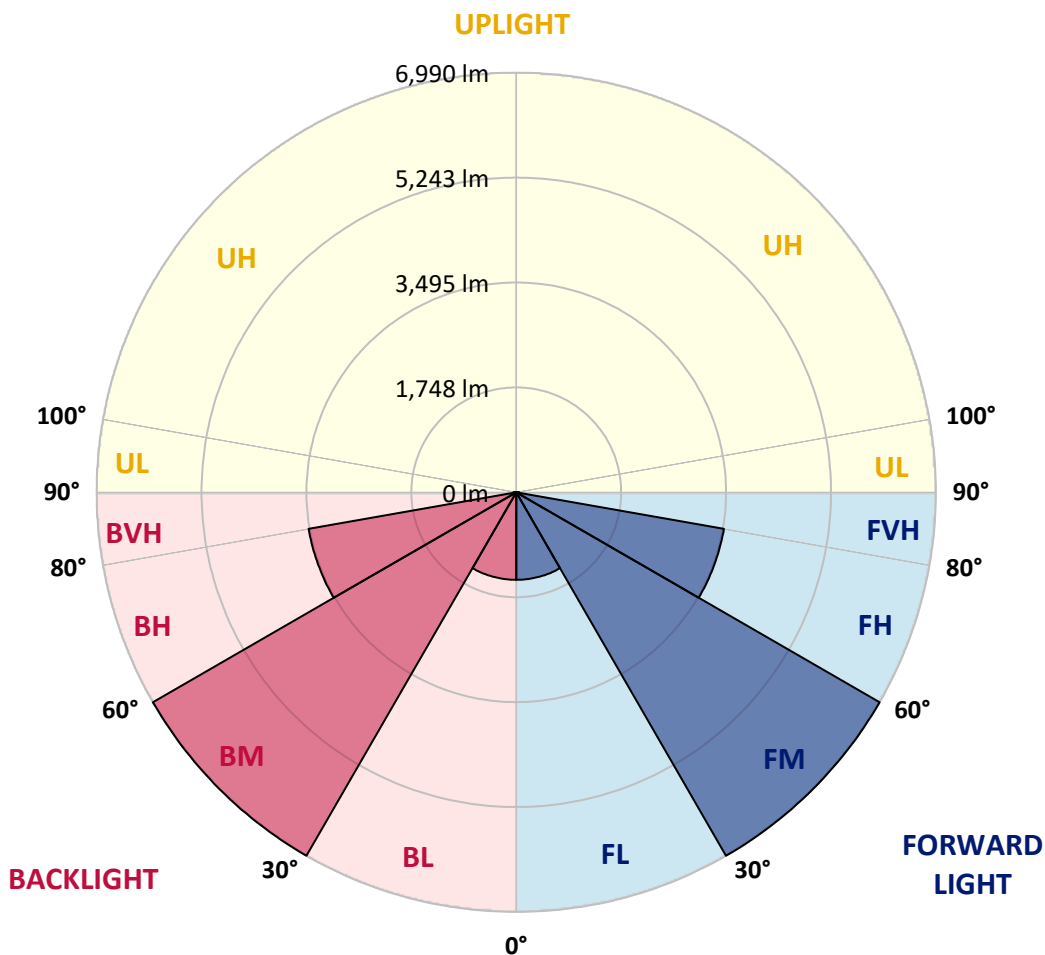


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.2	6.1			
FM (30°-60°)	6990.5	29.1			
FH (60°-80°)	3512.9	14.6			G2/5000
FVH (80°-90°)	51.5	0.2			G1/100
BL (0°-30°)	1458.2	6.1	B3/2500		
BM (30°-60°)	6990.5	29.1	B4/8500		
BH (60°-80°)	3512.9	14.6	B4/5000		G2/5000
BVH (80°-90°)	51.5	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°	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4	2901.4
2.5°	2911.0	2909.4	2911.0	2911.8	2907.0	2909.4	2908.6	2912.6	2914.2	2912.6	2912.6
5°	2944.5	2942.1	2945.3	2949.3	2942.9	2944.5	2942.1	2946.9	2948.5	2945.3	2947.7
7.5°	2990.8	2991.6	2994.8	3001.9	2997.9	3001.1	2996.4	2997.1	2996.4	2991.6	2992.4
10°	3041.0	3041.8	3047.4	3057.0	3058.6	3058.6	3055.4	3053.0	3049.8	3046.6	3047.4
12.5°	3101.6	3105.6	3109.6	3121.6	3121.6	3127.9	3126.3	3120.0	3114.4	3109.6	3109.6
15°	3183.8	3183.0	3187.8	3199.7	3205.3	3215.7	3215.7	3206.9	3199.7	3194.9	3193.3
17.5°	3269.9	3272.3	3275.5	3289.8	3298.6	3310.6	3312.2	3305.0	3300.2	3293.8	3289.8
20°	3370.4	3374.4	3387.1	3392.7	3400.7	3411.9	3415.9	3414.3	3409.5	3406.3	3407.1
22.5°	3487.6	3498.0	3506.0	3514.0	3523.5	3531.5	3535.5	3541.1	3536.3	3533.9	3532.3
25°	3629.6	3636.8	3652.7	3667.1	3673.5	3675.9	3680.6	3688.6	3687.8	3682.2	3682.2
27.5°	3790.7	3804.3	3824.2	3844.9	3844.9	3837.0	3852.9	3866.5	3861.7	3854.5	3844.9
30°	3986.1	3998.9	4022.0	4050.7	4036.3	4030.8	4052.3	4077.0	4069.8	4057.9	4056.3
32.5°	4196.6	4208.6	4238.9	4270.0	4251.7	4243.7	4266.8	4302.7	4290.0	4266.0	4251.7
35°	4424.7	4436.7	4479.8	4517.3	4486.2	4472.6	4491.7	4530.8	4508.5	4463.8	4452.7
37.5°	4672.8	4679.2	4735.0	4773.3	4751.7	4715.8	4739.8	4768.5	4749.3	4695.1	4673.6
40°	4930.4	4953.5	5018.1	5062.8	5025.3	4968.7	5008.5	5048.4	5019.7	4950.3	4913.6
42.5°	5231.1	5248.6	5334.7	5374.6	5314.0	5234.2	5288.5	5342.7	5314.0	5247.0	5215.1
45°	5543.7	5570.8	5673.7	5713.6	5625.8	5524.5	5590.7	5685.6	5683.3	5586.8	5553.3
47.5°	5884.2	5911.4	6034.2	6086.8	5991.9	5856.3	5949.6	6083.6	6074.1	5968.0	5940.9
50°	6277.4	6306.1	6459.3	6525.5	6436.9	6279.0	6419.4	6537.4	6519.9	6389.1	6391.5
52.5°	6771.1	6769.5	6960.1	7075.0	6984.0	6844.5	6973.7	7088.5	7015.9	6834.9	6829.3
55°	7203.4	7229.7	7465.8	7683.5	7677.9	7624.5	7676.3	7681.1	7473.7	7232.9	7203.4
57.5°	7487.3	7537.5	7870.1	8264.1	8559.2	8630.2	8529.7	8225.0	7739.3	7354.1	7307.0
60°	7312.6	7389.2	7911.6	8714.7	9584.0	10001.1	9434.1	8489.0	7532.7	6996.0	6932.2
62.5°	6133.9	6263.1	7027.9	8497.0	10466.1	11685.5	10089.7	8065.5	6711.3	5972.0	5862.7
65°	3735.7	3872.0	4794.0	6993.6	10323.3	13019.0	9790.6	6694.5	4898.5	3978.9	3860.9
67.5°	1245.0	1284.8	1828.0	3865.7	8113.4	11697.5	8126.9	4007.6	2131.8	1413.2	1371.8
70°	487.3	491.3	579.8	1120.5	3831.4	8034.4	4227.7	1140.5	606.1	479.3	489.7
72.5°	358.1	359.7	384.4	468.2	998.5	3539.5	1034.4	470.5	374.0	335.8	335.8
75°	287.9	287.9	305.5	341.3	447.4	811.9	453.8	337.4	292.7	268.0	264.8
77.5°	227.3	232.1	245.6	268.8	303.1	390.8	314.2	267.2	236.1	212.9	208.2
80°	169.1	173.9	196.2	207.4	217.7	271.2	232.1	209.0	186.6	159.5	154.7
82.5°	110.9	115.6	143.6	149.9	147.5	177.1	156.3	153.9	137.2	102.9	98.1
85°	72.6	74.2	95.7	99.7	91.7	80.6	99.7	105.3	95.7	67.0	64.6
87.5°	34.3	34.3	48.6	45.5	41.5	33.5	45.5	53.4	54.2	32.7	31.9
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)