

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: P316829

Luminaire Tested: **GAN-SA5A-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316829
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 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: 24025 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

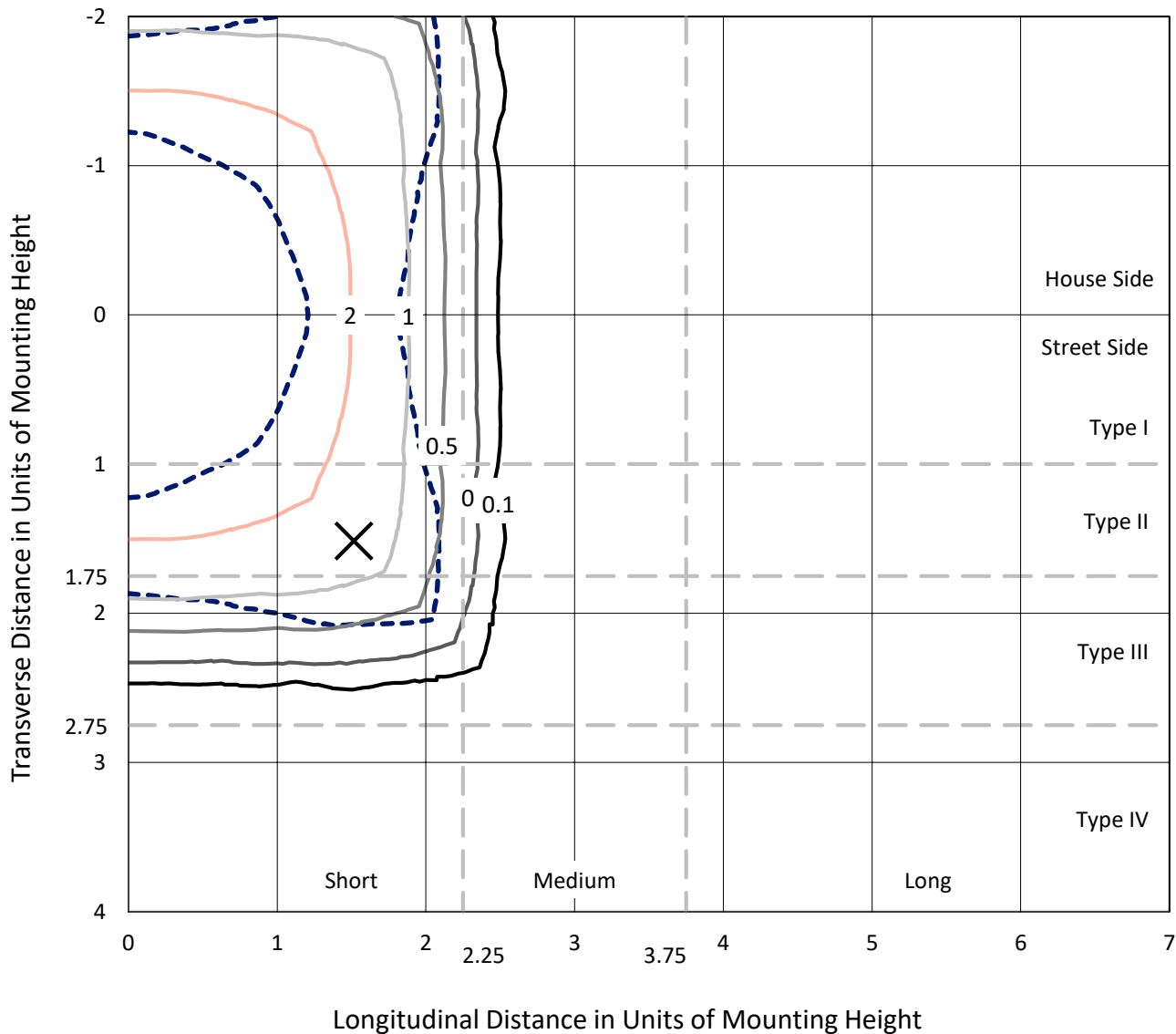
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

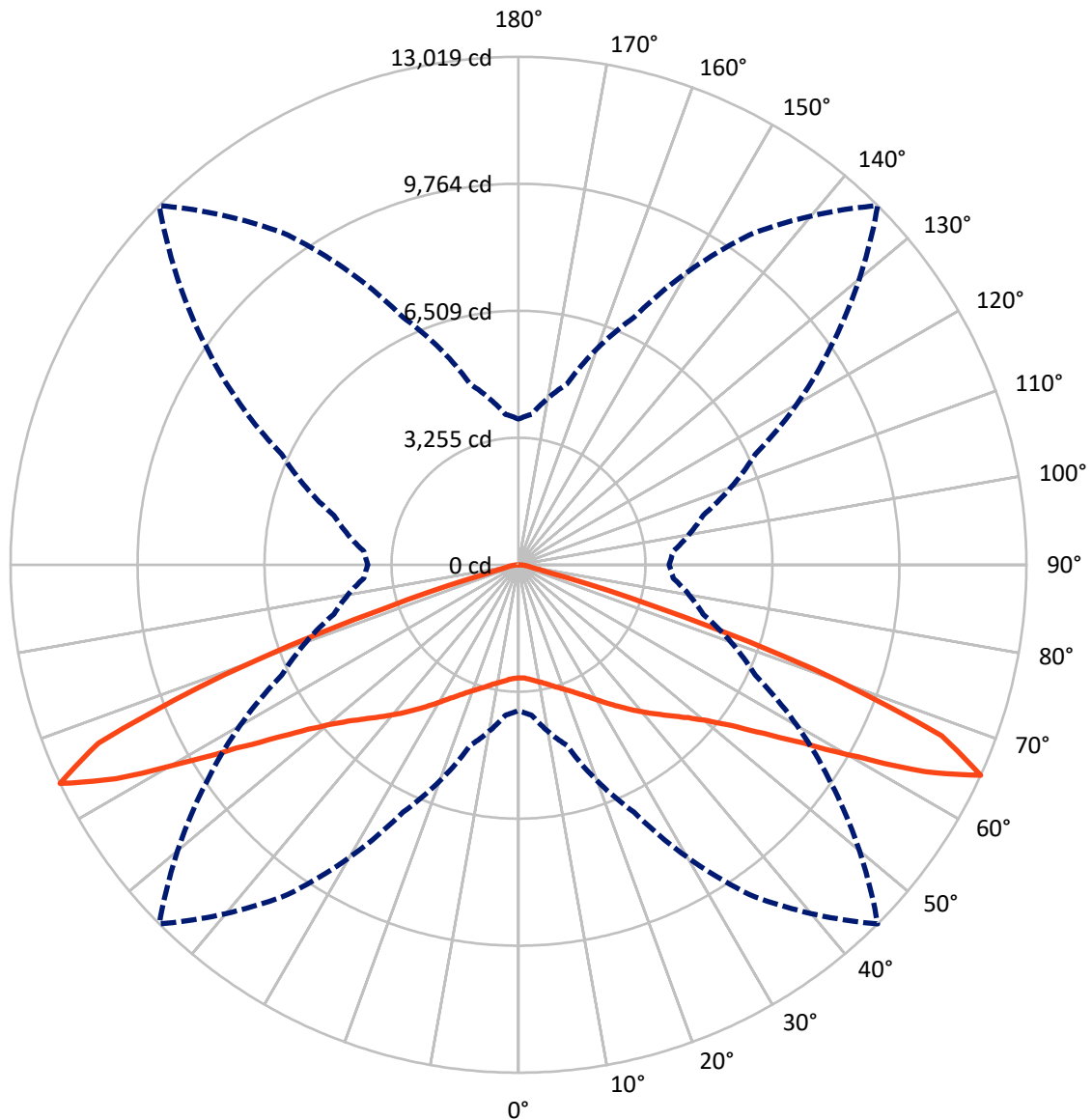
✕ Max cd
 - - - 1/2 Max cd



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	12012.5	0.0	12012.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12012.5	0.0	12012.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24025.0	0.0	24025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	1.2
10°-20°	915.0	3.8
20°-30°	1716.7	7.1
30°-40°	2839.0	11.8
40°-50°	4397.2	18.3
50°-60°	6744.1	28.1
60°-70°	6293.0	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°	24025.0	100.0
0°-180°	24025.0	100.0

Coefficient of Utilization

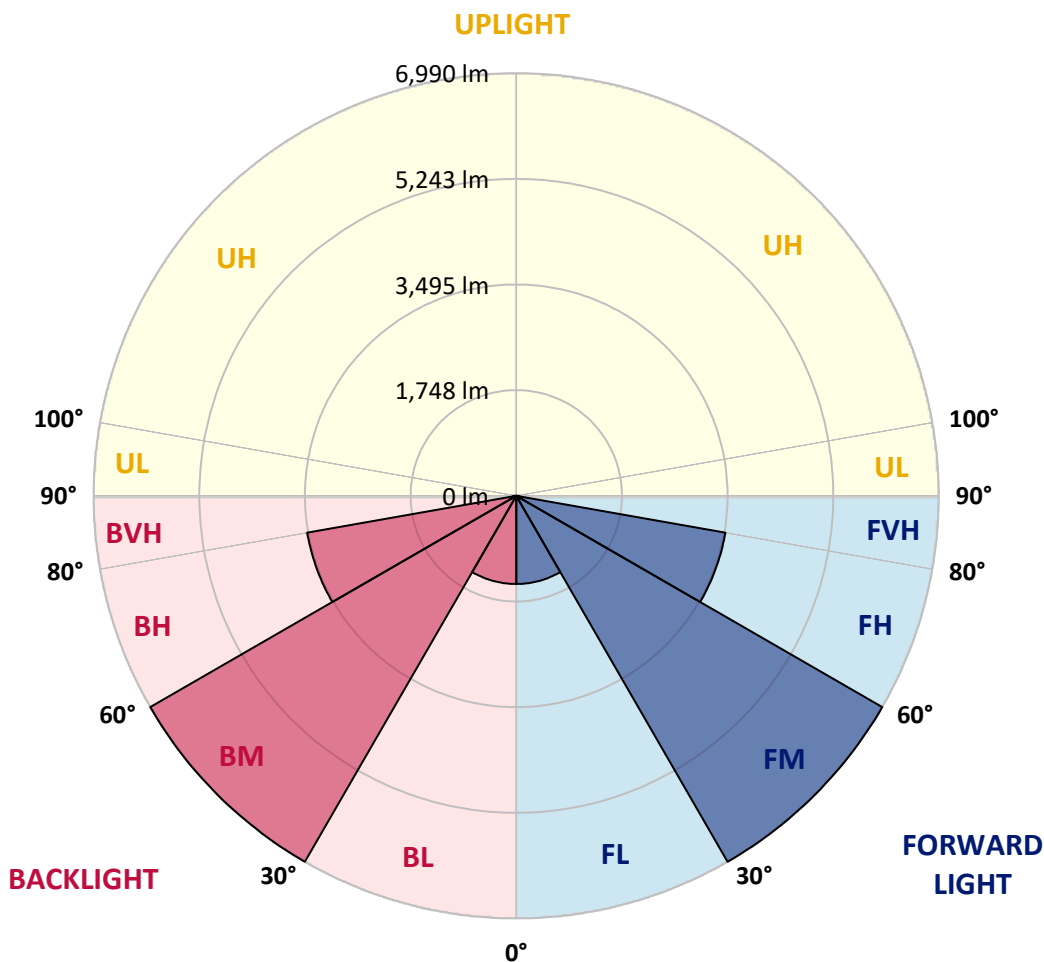


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.1	6.1			
FM (30°-60°)	6990.2	29.1			
FH (60°-80°)	3512.7	14.6			G2/5000
FVH (80°-90°)	51.5	0.2			G1/100
BL (0°-30°)	1458.1	6.1	B3/2500		
BM (30°-60°)	6990.2	29.1	B4/8500		
BH (60°-80°)	3512.7	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°	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3	2901.3
2.5°	2910.9	2909.3	2910.9	2911.7	2906.9	2909.3	2908.5	2912.5	2914.1	2912.5	2912.5
5°	2944.4	2942.0	2945.2	2949.2	2942.8	2944.4	2942.0	2946.8	2948.4	2945.2	2947.6
7.5°	2990.6	2991.4	2994.6	3001.8	2997.8	3001.0	2996.2	2997.0	2996.2	2991.4	2992.2
10°	3040.9	3041.7	3047.3	3056.8	3058.4	3058.4	3055.2	3052.8	3049.7	3046.5	3047.3
12.5°	3101.5	3105.5	3109.5	3121.4	3121.4	3127.8	3126.2	3119.8	3114.3	3109.5	3109.5
15°	3183.6	3182.8	3187.6	3199.6	3205.2	3215.5	3215.5	3206.8	3199.6	3194.8	3193.2
17.5°	3269.8	3272.2	3275.4	3289.7	3298.5	3310.4	3312.0	3304.9	3300.1	3293.7	3289.7
20°	3370.3	3374.2	3387.0	3392.6	3400.6	3411.7	3415.7	3414.1	3409.3	3406.1	3406.9
22.5°	3487.5	3497.9	3505.8	3513.8	3523.4	3531.4	3535.3	3540.9	3536.1	3533.7	3532.1
25°	3629.4	3636.6	3652.6	3666.9	3673.3	3675.7	3680.5	3688.5	3687.7	3682.1	3682.1
27.5°	3790.5	3804.1	3824.0	3844.8	3844.8	3836.8	3852.7	3866.3	3861.5	3854.3	3844.8
30°	3985.9	3998.7	4021.8	4050.5	4036.2	4030.6	4052.1	4076.8	4069.7	4057.7	4056.1
32.5°	4196.5	4208.4	4238.7	4269.8	4251.5	4243.5	4266.7	4302.5	4289.8	4265.9	4251.5
35°	4424.6	4436.5	4479.6	4517.1	4486.0	4472.4	4491.5	4530.6	4508.3	4463.6	4452.5
37.5°	4672.6	4679.0	4734.8	4773.1	4751.5	4715.6	4739.6	4768.3	4749.1	4694.9	4673.4
40°	4930.2	4953.3	5017.9	5062.6	5025.1	4968.5	5008.3	5048.2	5019.5	4950.1	4913.4
42.5°	5230.8	5248.4	5334.5	5374.4	5313.8	5234.0	5288.3	5342.5	5313.8	5246.8	5214.9
45°	5543.5	5570.6	5673.5	5713.3	5625.6	5524.3	5590.5	5685.4	5683.0	5586.5	5553.0
47.5°	5884.0	5911.1	6033.9	6086.6	5991.7	5856.1	5949.4	6083.4	6073.8	5967.7	5940.6
50°	6277.2	6305.9	6459.0	6525.2	6436.7	6278.8	6419.1	6537.1	6519.6	6388.8	6391.2
52.5°	6770.8	6769.2	6959.8	7074.7	6983.8	6844.2	6973.4	7088.2	7015.7	6834.6	6829.0
55°	7203.1	7229.4	7465.4	7683.2	7677.6	7624.1	7676.0	7680.8	7473.4	7232.6	7203.1
57.5°	7487.0	7537.2	7869.8	8263.7	8558.8	8629.8	8529.3	8224.7	7739.0	7353.8	7306.7
60°	7312.3	7388.9	7911.2	8714.3	9583.6	10000.7	9433.7	8488.6	7532.4	6995.7	6931.9
62.5°	6133.6	6262.8	7027.6	8496.6	10465.7	11685.0	10089.2	8065.2	6711.0	5971.7	5862.5
65°	3735.5	3871.9	4793.8	6993.3	10322.9	13018.5	9790.2	6694.3	4898.3	3978.8	3860.7
67.5°	1244.9	1284.8	1827.9	3865.5	8113.0	11697.0	8126.6	4007.5	2131.7	1413.2	1371.7
70°	487.3	491.3	579.8	1120.5	3831.2	8034.1	4227.6	1140.4	606.1	479.3	489.7
72.5°	358.1	359.7	384.4	468.1	998.5	3539.3	1034.4	470.5	374.0	335.7	335.7
75°	287.9	287.9	305.4	341.3	447.4	811.9	453.8	337.3	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	208.1
80°	169.1	173.9	196.2	207.4	217.7	271.2	232.1	208.9	186.6	159.5	154.7
82.5°	110.9	115.6	143.6	149.9	147.5	177.0	156.3	153.9	137.2	102.9	98.1
85°	72.6	74.2	95.7	99.7	91.7	80.5	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)