

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: P316164

Luminaire Tested: **GAN-SA0B-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316164
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-SA0B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59579 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

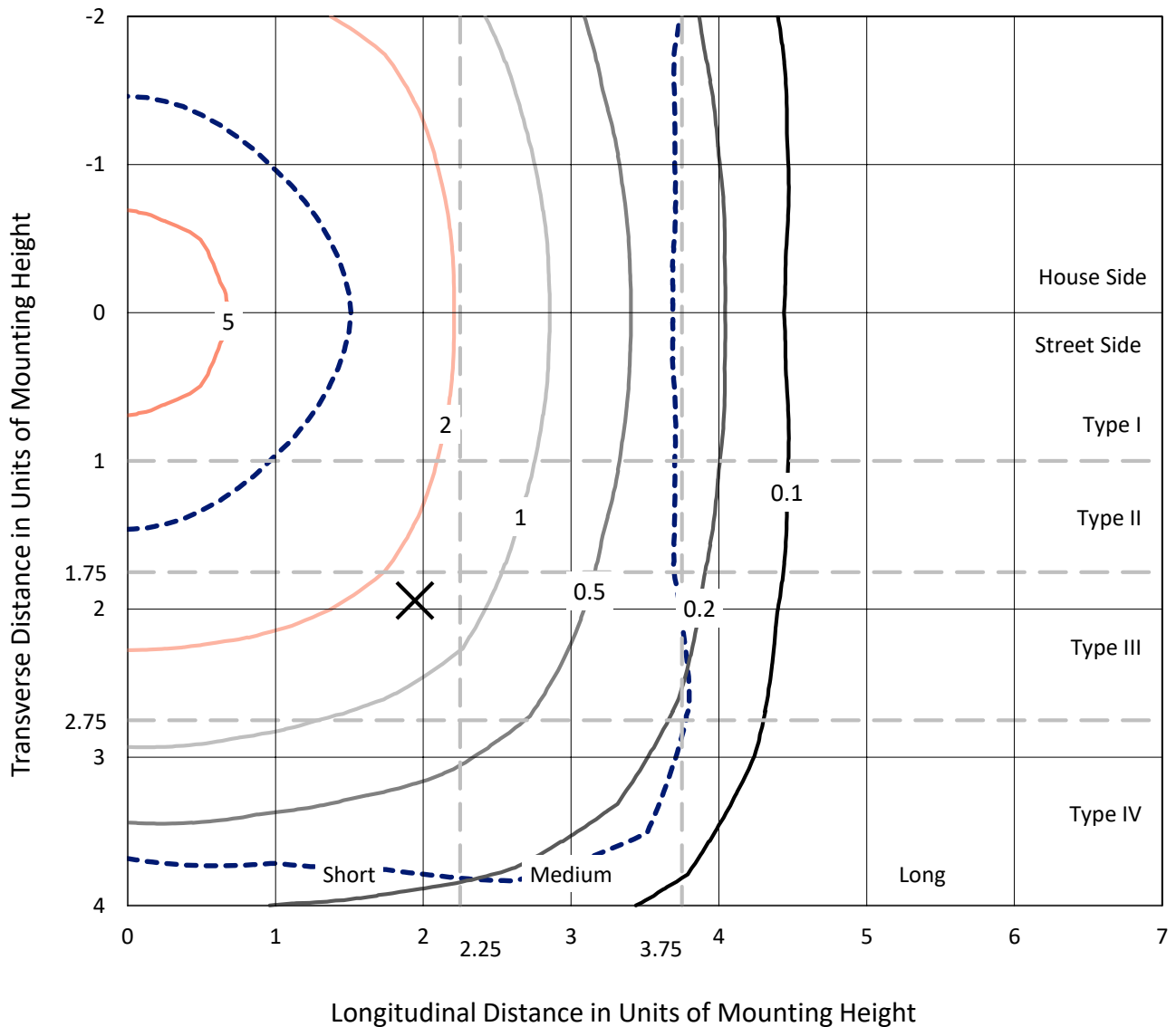
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316164
 CATALOG NUMBER: GAN-SA0B-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

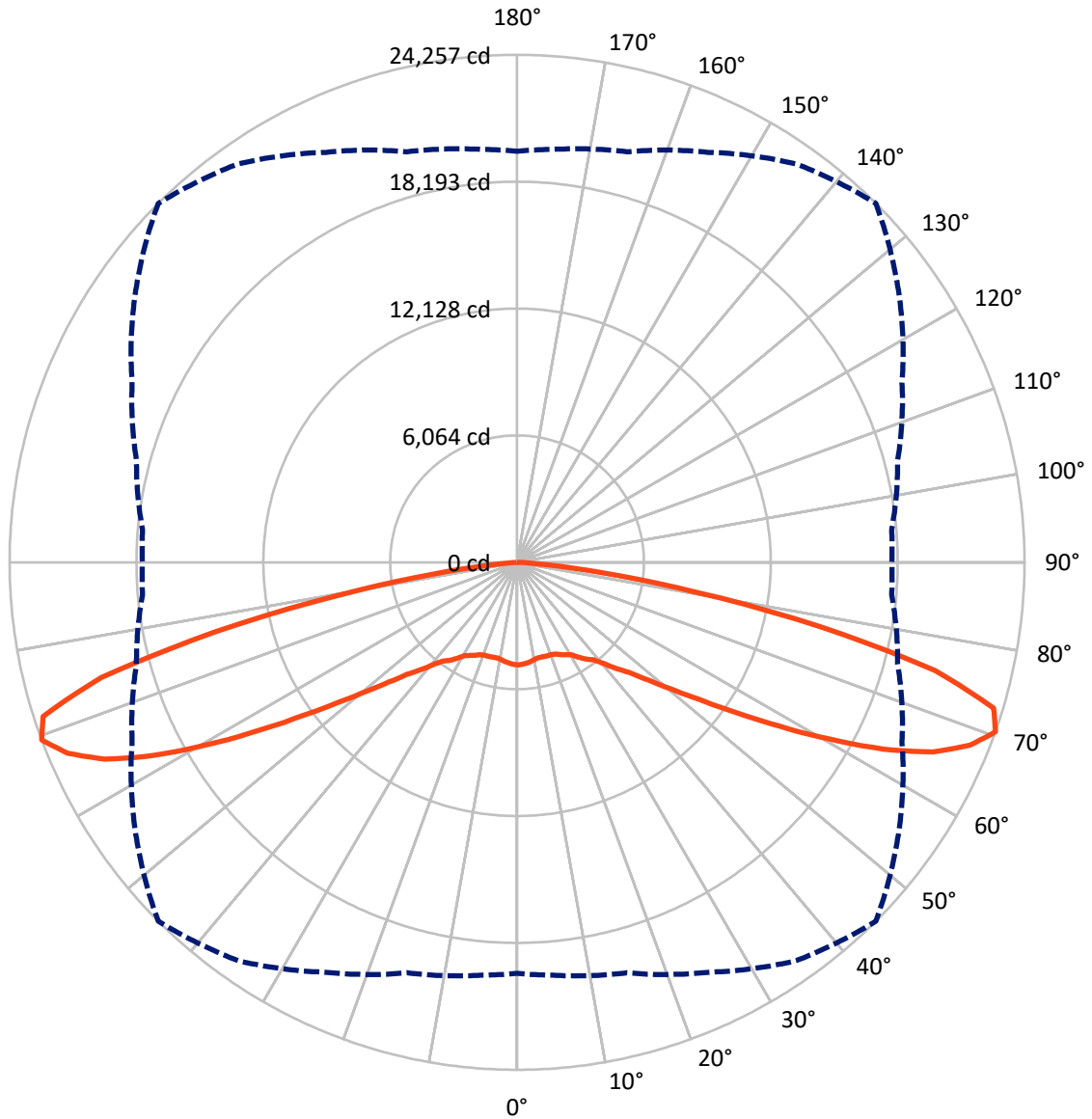
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316164
CATALOG NUMBER: GAN-SA0B-740-U-5WQ

Luminous Intensity Polar Plot



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

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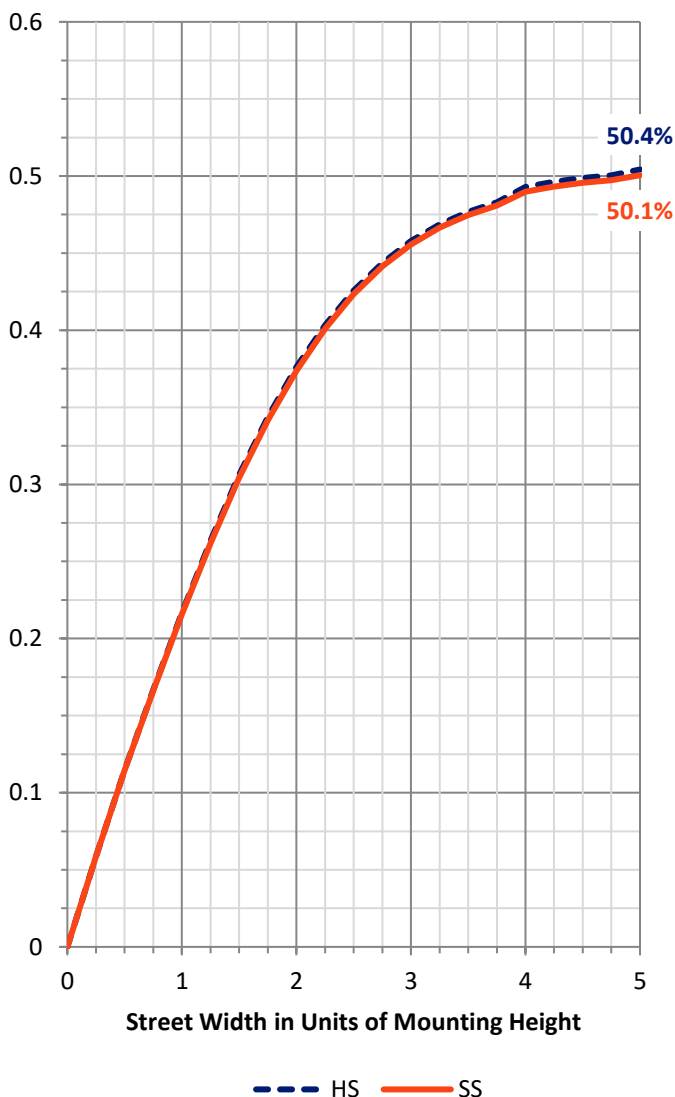
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29789.5	0.0	29789.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29789.5	0.0	29789.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59579.0	0.0	59579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	0.8
10°-20°	1336.8	2.2
20°-30°	2279.2	3.8
30°-40°	3561.3	6.0
40°-50°	6035.6	10.1
50°-60°	11006.4	18.5
60°-70°	18948.3	31.8
70°-80°	14852.4	24.9
80°-90°	1101.3	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°	59579.0	100.0
0°-180°	59579.0	100.0

Coefficient of Utilization

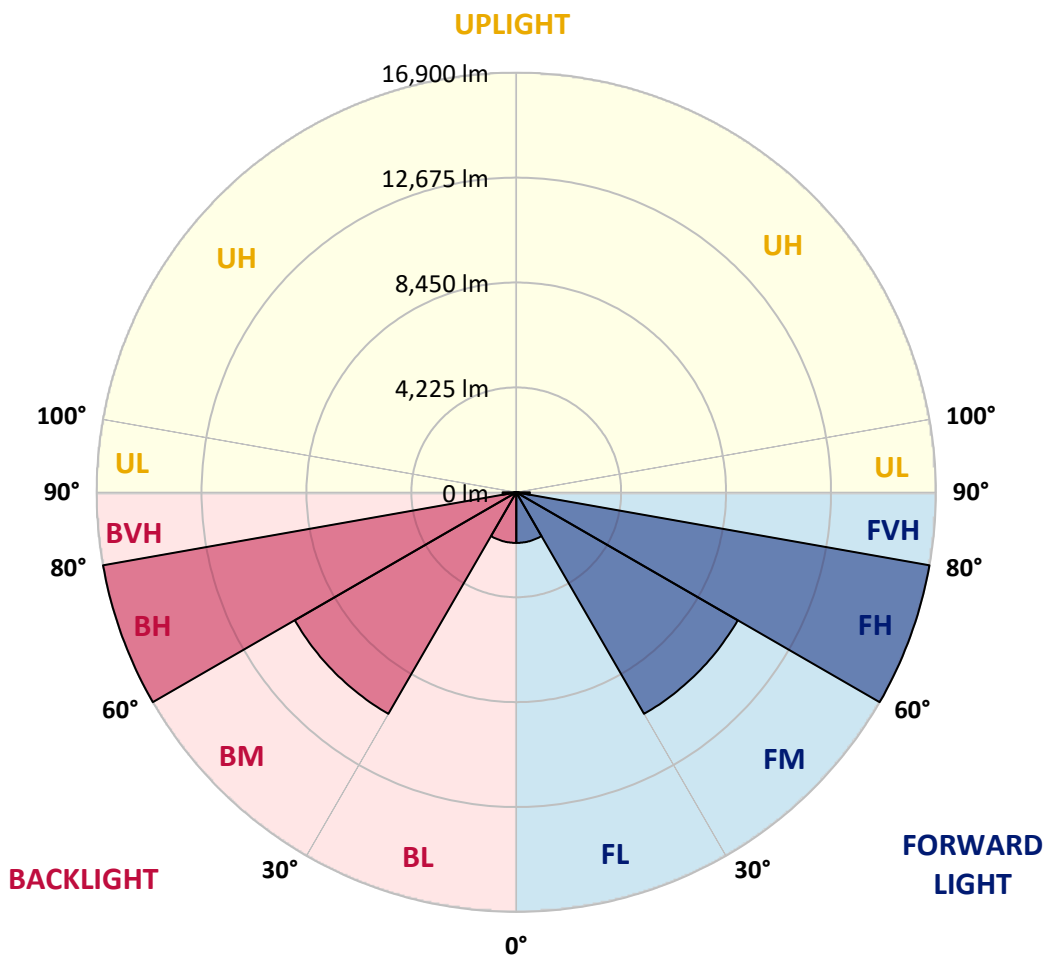


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2036.8	3.4			
FM (30°-60°)	10301.7	17.3			
FH (60°-80°)	16900.3	28.4			G5
FVH (80°-90°)	550.6	0.9			G4/750
BL (0°-30°)	2036.8	3.4	B3/2500		
BM (30°-60°)	10301.7	17.3	B5		
BH (60°-80°)	16900.3	28.4	B5		G5
BVH (80°-90°)	550.6	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4	4903.4
2.5°	4881.7	4887.6	4881.7	4885.6	4875.8	4879.7	4879.7	4879.7	4877.7	4879.7	4875.8
5°	4838.3	4842.3	4834.4	4838.3	4832.4	4838.3	4840.3	4838.3	4834.4	4836.4	4828.5
7.5°	4773.3	4777.2	4771.3	4777.2	4769.3	4779.2	4777.2	4771.3	4765.4	4765.4	4757.5
10°	4737.8	4739.8	4724.0	4718.1	4700.4	4704.3	4710.2	4716.1	4722.0	4733.9	4731.9
12.5°	4739.8	4739.8	4716.1	4690.5	4664.9	4670.8	4680.7	4702.3	4726.0	4747.7	4749.6
15°	4759.5	4757.5	4722.0	4680.7	4662.9	4680.7	4686.6	4700.4	4737.8	4775.3	4777.2
17.5°	4773.3	4773.3	4718.1	4670.8	4668.8	4696.4	4694.5	4700.4	4741.8	4796.9	4798.9
20°	4798.9	4798.9	4728.0	4676.7	4676.7	4706.3	4708.3	4718.1	4759.5	4820.6	4830.4
22.5°	4856.1	4858.0	4783.1	4741.8	4745.7	4763.4	4769.3	4785.1	4822.6	4889.6	4901.4
25°	4936.9	4940.8	4863.9	4840.3	4854.1	4887.6	4883.7	4895.5	4936.9	5001.9	5013.7
27.5°	5049.2	5039.3	4968.4	4958.5	4972.3	4996.0	4994.0	4996.0	5029.5	5088.6	5102.4
30°	5195.0	5191.1	5139.9	5145.8	5139.9	5132.0	5133.9	5149.7	5167.4	5214.7	5228.5
32.5°	5336.9	5340.9	5309.3	5338.9	5382.3	5411.8	5366.5	5323.1	5303.4	5329.1	5340.9
35°	5593.1	5603.0	5553.7	5534.0	5593.1	5679.9	5551.8	5480.8	5520.2	5553.7	5563.6
37.5°	6028.7	6034.6	5951.8	5873.0	5829.6	5912.4	5784.3	5790.2	5928.2	5991.2	5989.3
40°	6525.3	6527.3	6472.1	6403.1	6328.3	6348.0	6296.7	6312.5	6403.1	6460.3	6476.1
42.5°	7116.6	7110.7	7023.9	6925.4	6903.7	6923.4	6836.7	6824.9	6929.3	7031.8	7033.8
45°	7883.2	7869.4	7757.1	7648.7	7544.2	7500.9	7479.2	7536.4	7680.2	7774.8	7776.8
47.5°	8709.0	8671.5	8612.4	8525.7	8435.0	8391.7	8356.2	8383.8	8488.3	8525.7	8529.6
50°	9558.4	9566.3	9578.1	9544.6	9511.1	9497.3	9404.7	9351.5	9383.0	9314.0	9304.2
52.5°	10565.5	10581.2	10695.6	10792.1	10849.3	10878.8	10703.4	10520.2	10417.7	10283.7	10244.2
55°	11753.9	11779.5	11947.0	12215.0	12491.0	12636.8	12319.5	11976.6	11659.3	11409.0	11328.2
57.5°	13078.3	13123.6	13354.2	13868.5	14434.2	14779.1	14243.0	13620.2	13007.3	12646.6	12583.6
60°	14631.2	14674.6	14993.9	15731.0	16647.4	17165.7	16353.7	15334.8	14572.1	14227.2	14111.0
62.5°	16479.9	16483.8	16876.0	17737.2	18947.3	19668.6	18568.9	17207.1	16420.7	16004.9	15892.6
65°	18468.4	18478.3	18884.2	19814.5	21065.9	21850.3	20608.7	19189.7	18228.0	17615.0	17528.3
67.5°	19873.6	19915.0	20342.6	21462.1	22632.7	23340.2	22055.3	20451.0	19339.5	18608.3	18535.4
70°	19648.9	19810.5	20313.1	21619.7	23247.6	24256.7	22289.8	20301.3	18835.0	17971.8	17910.7
72.5°	17136.1	17445.6	18115.6	19830.2	22433.7	23823.1	21010.7	18182.6	16523.2	15788.1	15677.7
75°	11669.1	12171.7	13182.7	15656.1	19166.1	20626.4	17688.0	14497.2	12936.4	11919.4	11844.5
77.5°	5202.9	5317.2	6598.3	9446.1	13226.1	14812.6	12851.6	9483.5	7118.5	5677.9	5374.4
80°	1450.5	1468.2	1959.0	3517.9	6619.9	8703.1	7106.7	3695.3	2077.2	1464.3	1379.6
82.5°	461.2	500.6	610.9	912.5	2225.0	3971.2	2284.2	985.4	701.6	559.7	504.5
85°	224.7	222.7	309.4	370.5	567.6	879.0	605.0	457.2	400.1	266.1	240.4
87.5°	94.6	96.6	143.9	130.1	165.5	141.9	195.1	205.0	214.8	118.2	102.5
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)