

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: P316204

Luminaire Tested: **GAN-SA0B-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316204
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-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 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: 59578 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

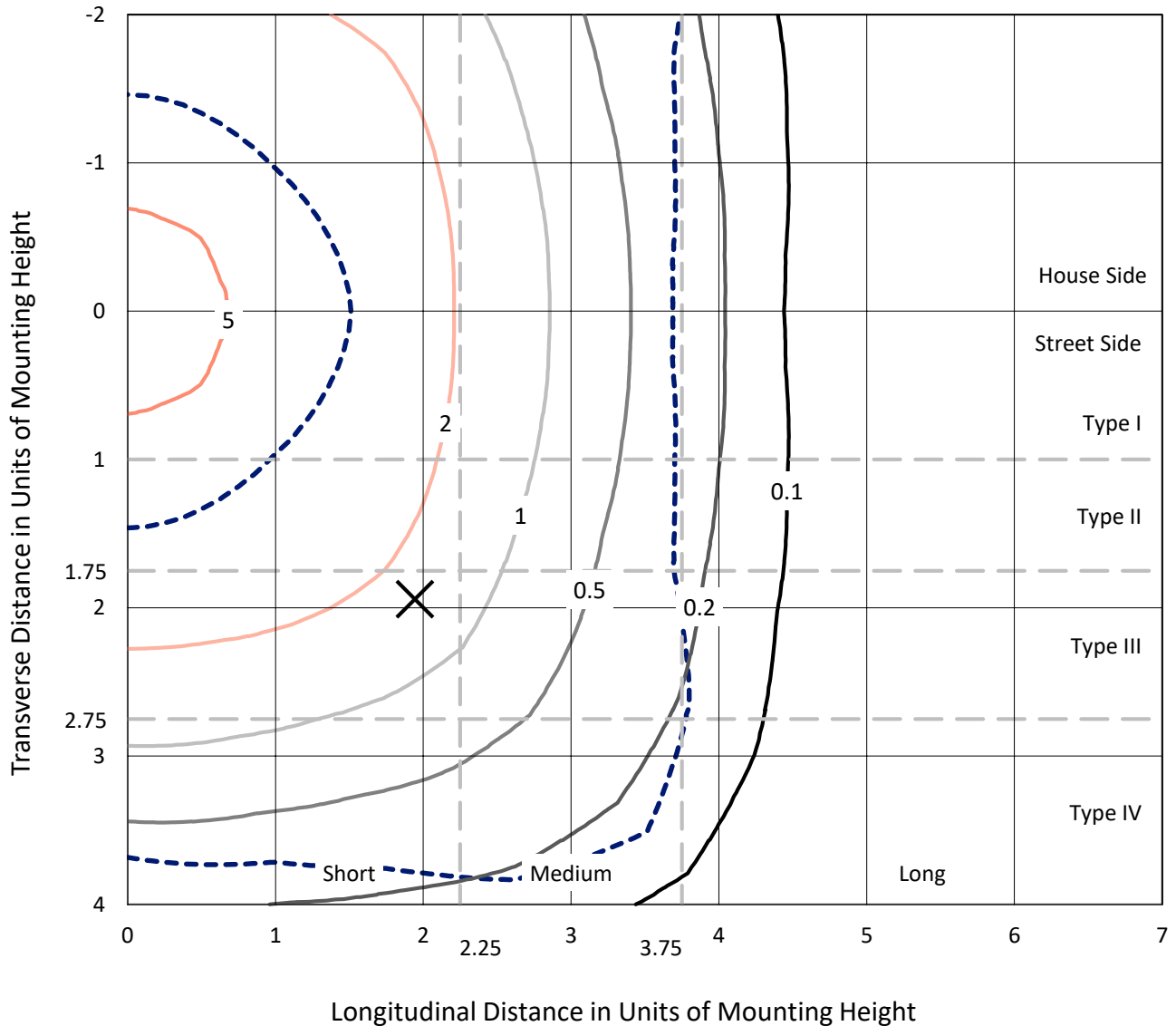
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

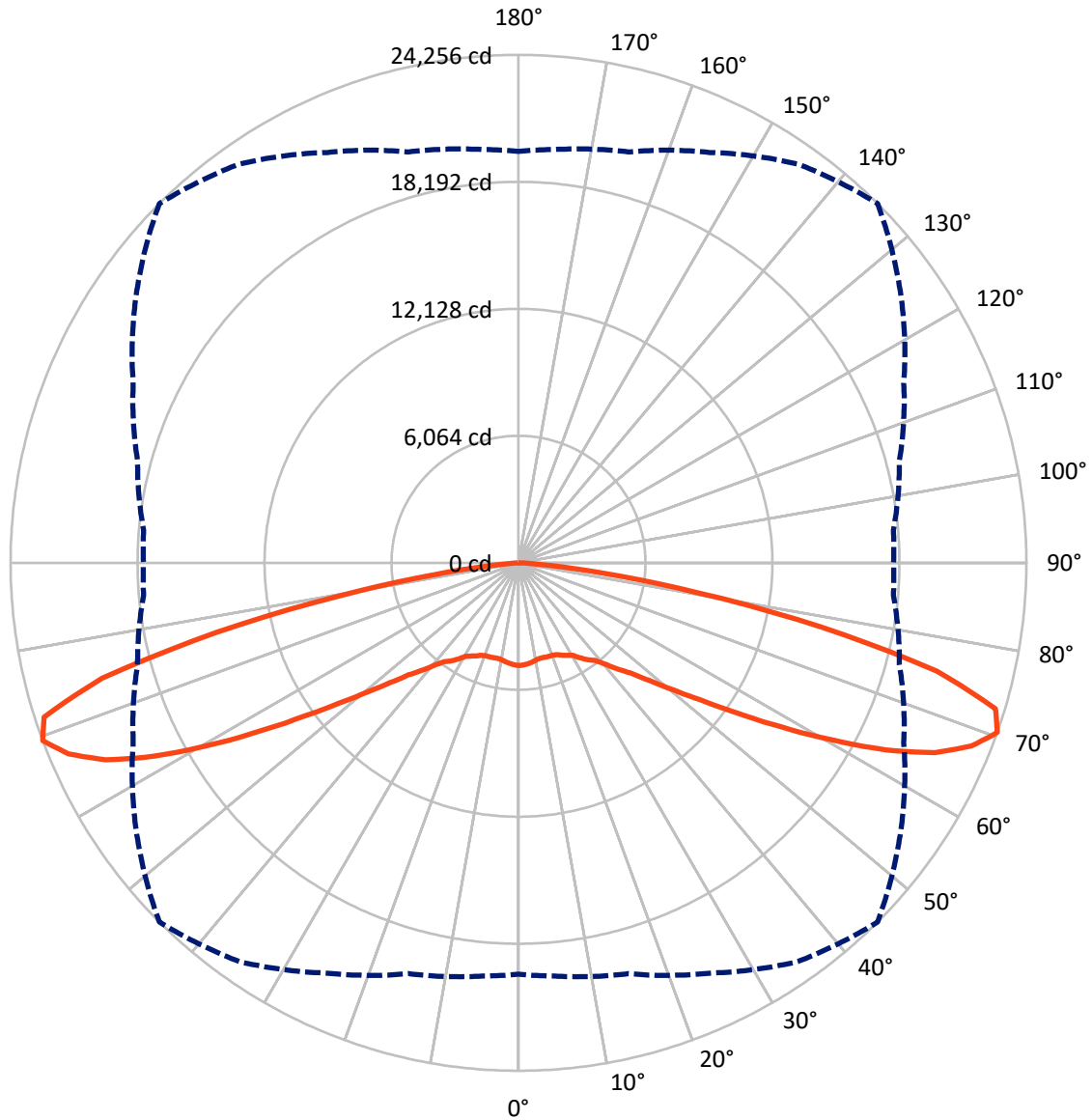
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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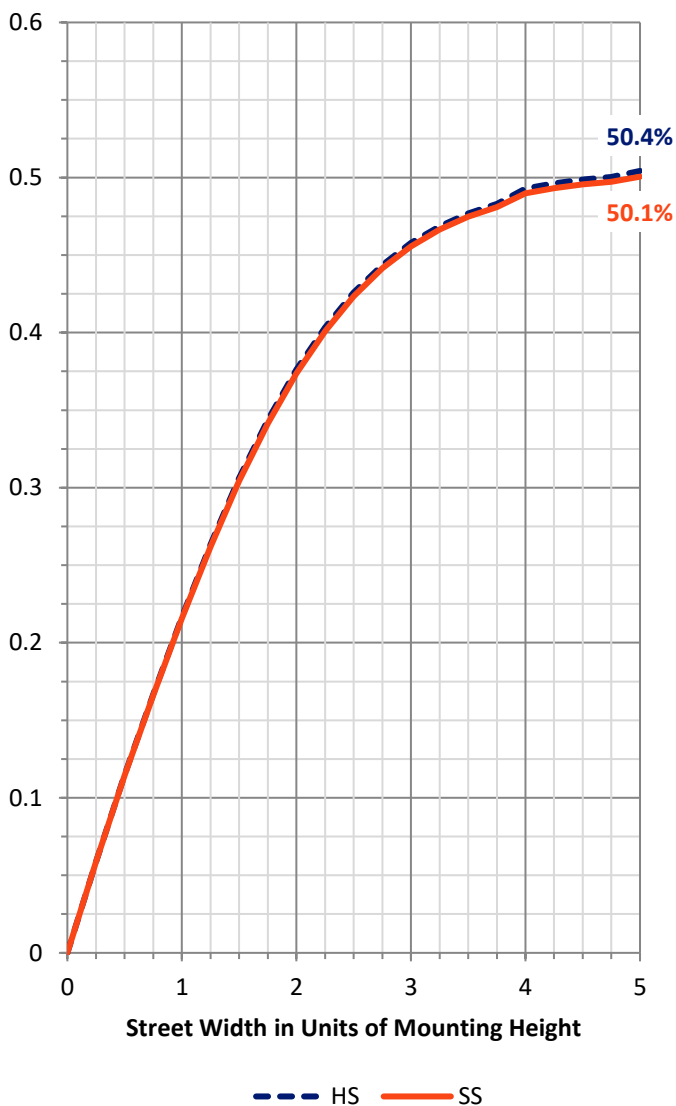
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29789.0	0.0	29789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29789.0	0.0	29789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59578.0	0.0	59578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.6	0.8
10°-20°	1336.8	2.2
20°-30°	2279.2	3.8
30°-40°	3561.3	6.0
40°-50°	6035.5	10.1
50°-60°	11006.2	18.5
60°-70°	18948.0	31.8
70°-80°	14852.1	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°	59578.0	100.0
0°-180°	59578.0	100.0

Coefficient of Utilization



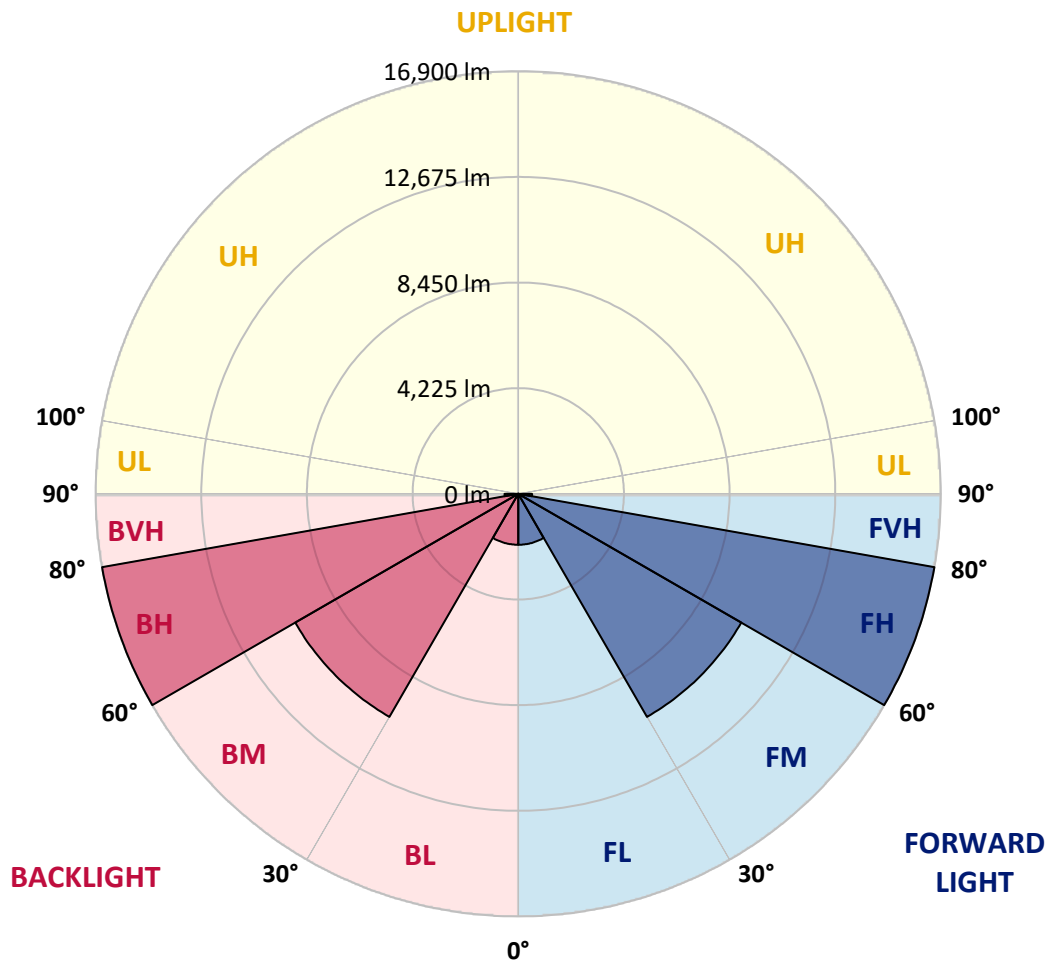
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2036.8	3.4			
FM (30°-60°)	10301.5	17.3			
FH (60°-80°)	16900.1	28.4			G5
FVH (80°-90°)	550.6	0.9			G4/750
BL (0°-30°)	2036.8	3.4	B3/2500		
BM (30°-60°)	10301.5	17.3	B5		
BH (60°-80°)	16900.1	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°	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3	4903.3
2.5°	4881.6	4887.5	4881.6	4885.5	4875.7	4879.6	4879.6	4879.6	4877.7	4879.6	4875.7
5°	4838.2	4842.2	4834.3	4838.2	4832.3	4838.2	4840.2	4838.2	4834.3	4836.3	4828.4
7.5°	4773.2	4777.1	4771.2	4777.1	4769.3	4779.1	4777.1	4771.2	4765.3	4765.3	4757.4
10°	4737.7	4739.7	4723.9	4718.0	4700.3	4704.2	4710.1	4716.1	4722.0	4733.8	4731.8
12.5°	4739.7	4739.7	4716.1	4690.4	4664.8	4670.7	4680.6	4702.3	4725.9	4747.6	4749.6
15°	4759.4	4757.4	4722.0	4680.6	4662.8	4680.6	4686.5	4700.3	4737.7	4775.2	4777.1
17.5°	4773.2	4773.2	4718.0	4670.7	4668.8	4696.3	4694.4	4700.3	4741.7	4796.9	4798.8
20°	4798.8	4798.8	4727.9	4676.6	4676.6	4706.2	4708.2	4718.0	4759.4	4820.5	4830.4
22.5°	4856.0	4857.9	4783.1	4741.7	4745.6	4763.4	4769.3	4785.0	4822.5	4889.5	4901.3
25°	4936.8	4940.7	4863.9	4840.2	4854.0	4887.5	4883.6	4895.4	4936.8	5001.8	5013.6
27.5°	5049.1	5039.3	4968.3	4958.5	4972.3	4995.9	4993.9	4995.9	5029.4	5088.5	5102.3
30°	5195.0	5191.0	5139.8	5145.7	5139.8	5131.9	5133.9	5149.6	5167.4	5214.7	5228.5
32.5°	5336.8	5340.8	5309.3	5338.8	5382.2	5411.7	5366.4	5323.1	5303.3	5329.0	5340.8
35°	5593.0	5602.9	5553.6	5533.9	5593.0	5679.8	5551.7	5480.7	5520.1	5553.6	5563.5
37.5°	6028.6	6034.5	5951.7	5872.9	5829.5	5912.3	5784.2	5790.1	5928.1	5991.1	5989.2
40°	6525.2	6527.2	6472.0	6403.0	6328.1	6347.9	6296.6	6312.4	6403.0	6460.2	6476.0
42.5°	7116.5	7110.5	7023.8	6925.3	6903.6	6923.3	6836.6	6824.8	6929.2	7031.7	7033.7
45°	7883.1	7869.3	7757.0	7648.6	7544.1	7500.8	7479.1	7536.2	7680.1	7774.7	7776.7
47.5°	8708.8	8671.4	8612.3	8525.6	8434.9	8391.5	8356.1	8383.7	8488.1	8525.6	8529.5
50°	9558.2	9566.1	9577.9	9544.4	9510.9	9497.1	9404.5	9351.3	9382.8	9313.9	9304.0
52.5°	10565.3	10581.1	10695.4	10791.9	10849.1	10878.7	10703.3	10520.0	10417.5	10283.5	10244.1
55°	11753.7	11779.3	11946.8	12214.8	12490.7	12636.6	12319.3	11976.4	11659.1	11408.8	11328.0
57.5°	13078.0	13123.4	13353.9	13868.3	14433.9	14778.8	14242.8	13620.0	13007.1	12646.4	12583.4
60°	14631.0	14674.4	14993.6	15730.7	16647.1	17165.4	16353.5	15334.6	14571.9	14227.0	14110.7
62.5°	16479.6	16483.5	16875.7	17736.9	18947.0	19668.3	18568.6	17206.8	16420.5	16004.6	15892.3
65°	18468.1	18477.9	18883.9	19814.1	21065.6	21849.9	20608.3	19189.4	18227.7	17614.7	17528.0
67.5°	19873.3	19914.6	20342.3	21461.7	22632.3	23339.8	22054.9	20450.7	19339.2	18608.0	18535.1
70°	19648.6	19810.2	20312.7	21619.4	23247.2	24256.2	22289.4	20300.9	18834.7	17971.5	17910.4
72.5°	17135.9	17445.3	18115.3	19829.9	22433.3	23822.7	21010.4	18182.3	16522.9	15787.8	15677.5
75°	11668.9	12171.5	13182.5	15655.8	19165.7	20626.1	17687.7	14497.0	12936.1	11919.2	11844.3
77.5°	5202.8	5317.1	6598.1	9445.9	13225.8	14812.3	12851.4	9483.3	7118.4	5677.8	5374.3
80°	1450.5	1468.2	1958.9	3517.8	6619.8	8702.9	7106.6	3695.2	2077.2	1464.3	1379.5
82.5°	461.2	500.6	610.9	912.5	2225.0	3971.1	2284.1	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)