

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: P316800

Luminaire Tested: **GAN-SA6B-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316800
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-SA6B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35256 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

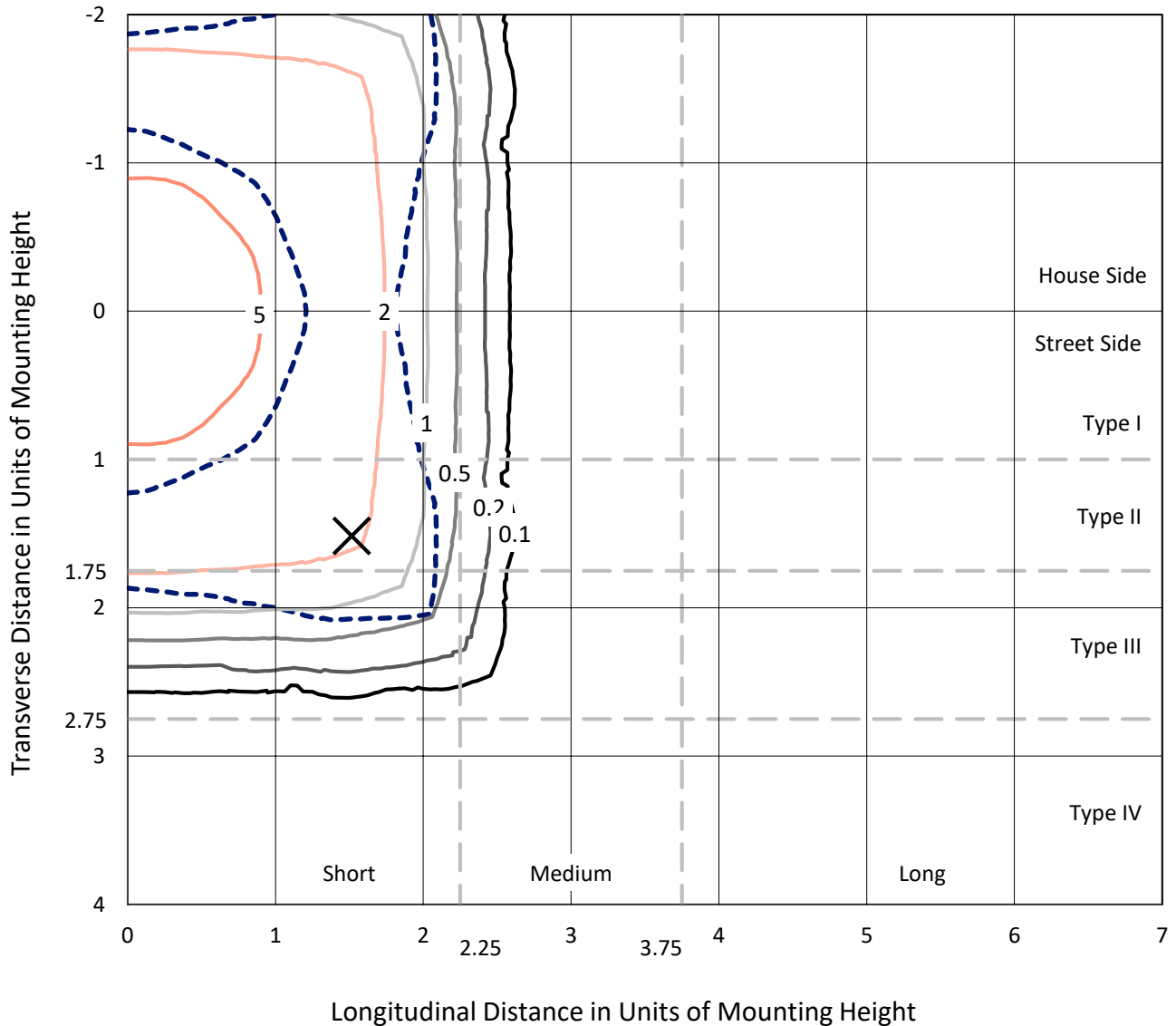
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

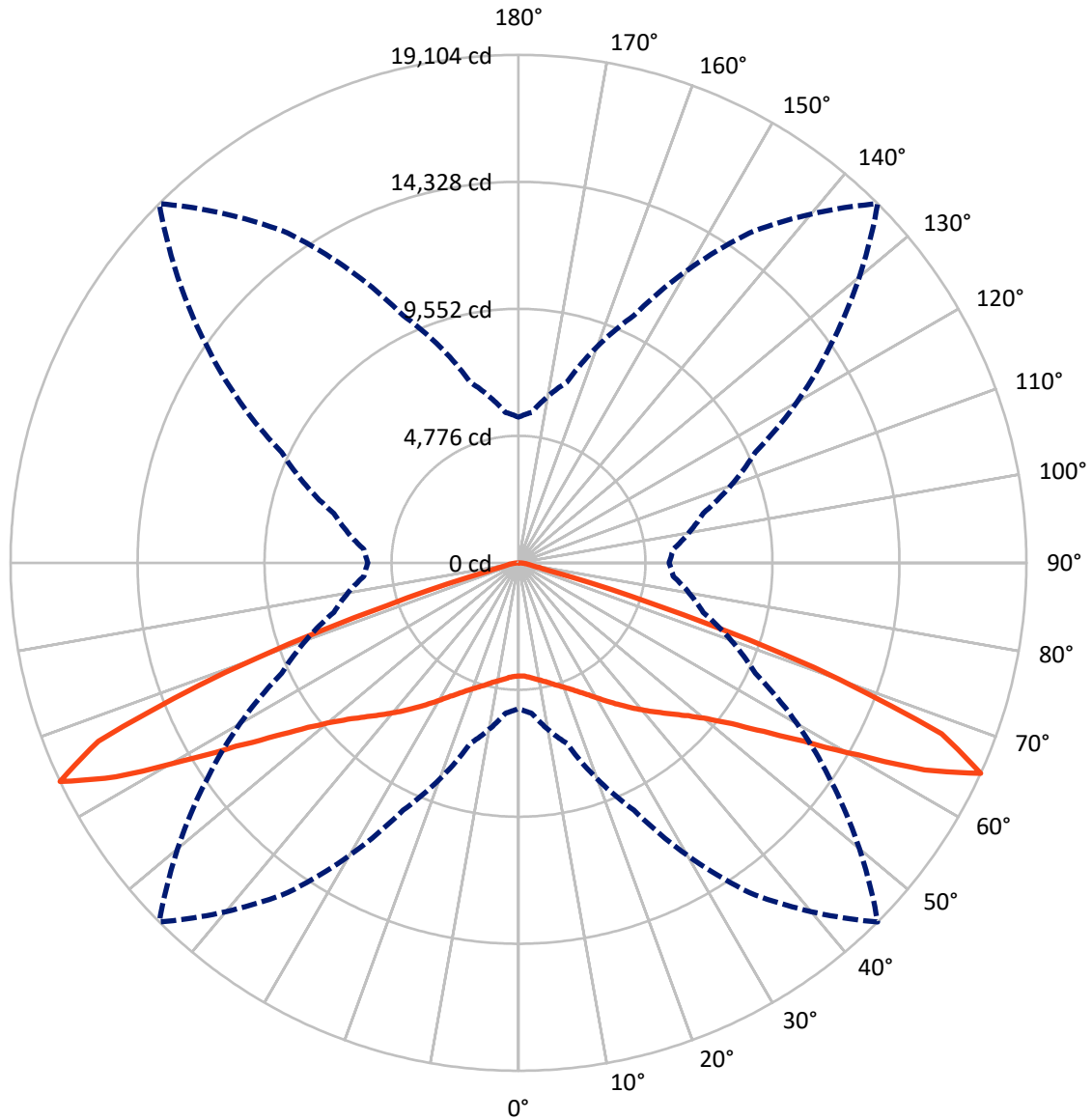
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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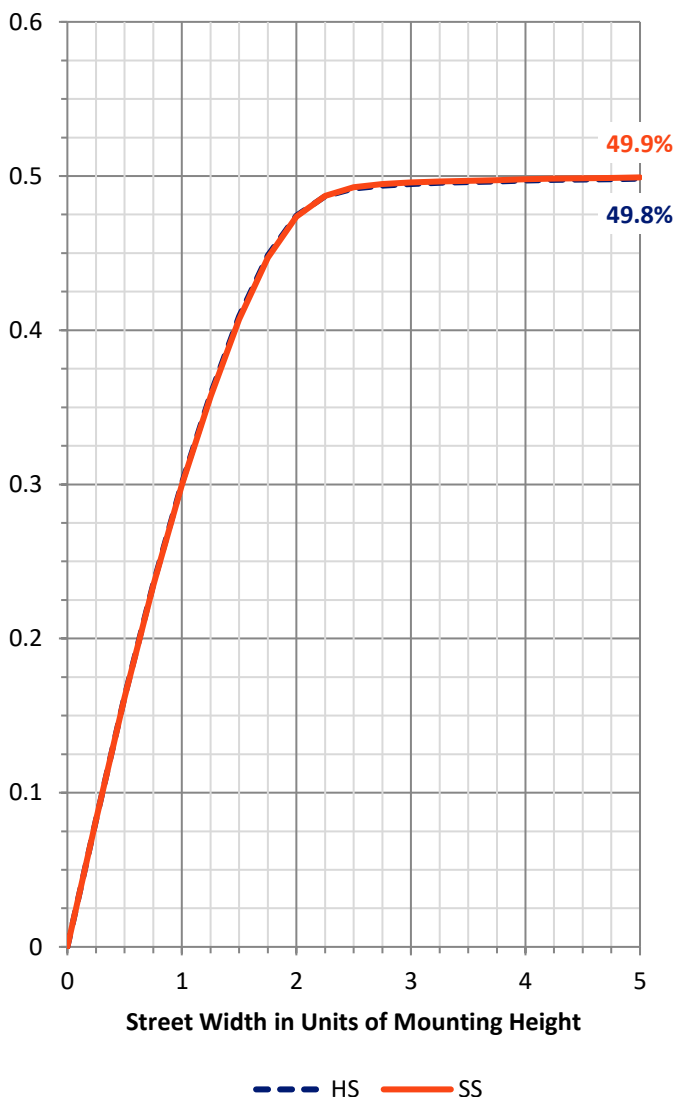
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17628.0	0.0	17628.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17628.0	0.0	17628.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35256.0	0.0	35256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.7	1.2
10°-20°	1342.7	3.8
20°-30°	2519.1	7.1
30°-40°	4166.2	11.8
40°-50°	6452.8	18.3
50°-60°	9896.8	28.1
60°-70°	9234.8	26.2
70°-80°	1074.8	3.0
80°-90°	151.0	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°	35256.0	100.0
0°-180°	35256.0	100.0

Coefficient of Utilization



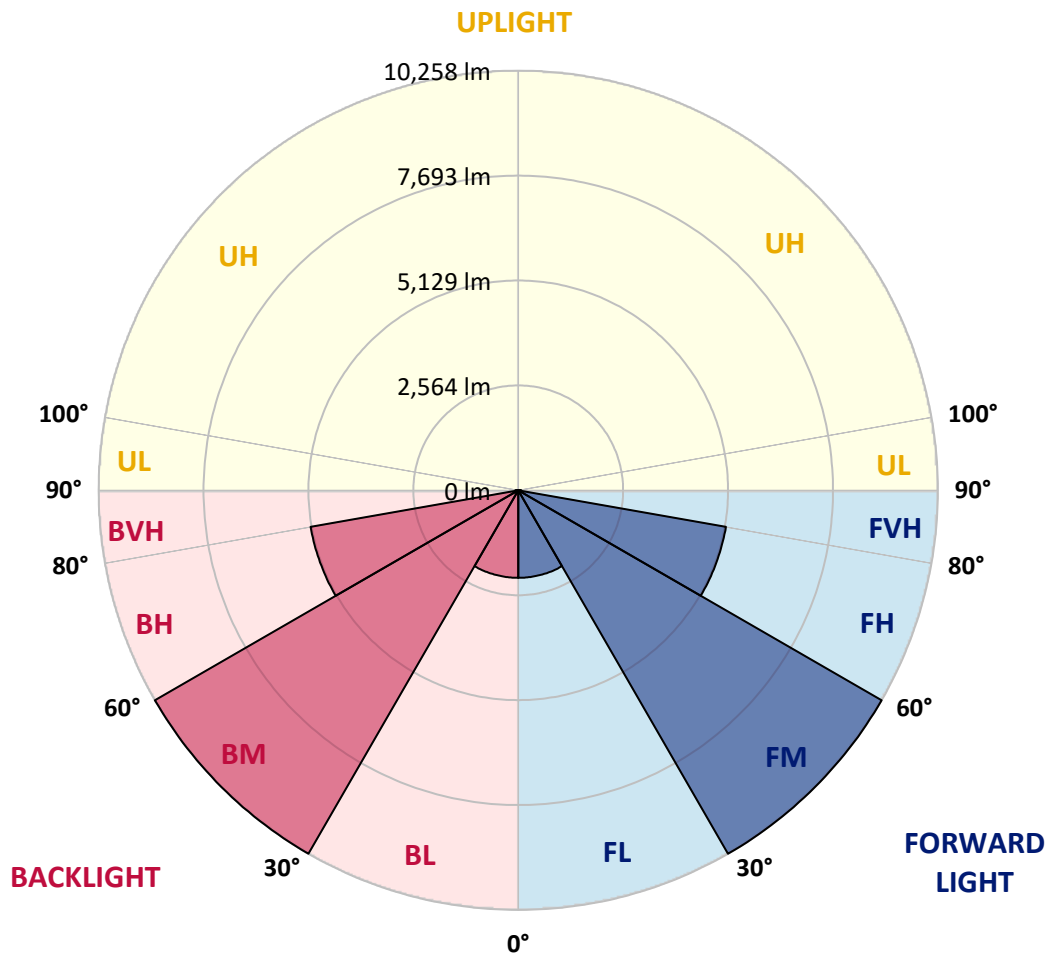
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2139.8	6.1			
FM (30°-60°)	10257.9	29.1			
FH (60°-80°)	5154.8	14.6			G3/7500
FVH (80°-90°)	75.5	0.2			G1/100
BL (0°-30°)	2139.8	6.1	B3/2500		
BM (30°-60°)	10257.9	29.1	B5		
BH (60°-80°)	5154.8	14.6	B5		G3/7500
BVH (80°-90°)	75.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6	4257.6
2.5°	4271.7	4269.3	4271.7	4272.8	4265.8	4269.3	4268.1	4274.0	4276.3	4274.0	4274.0
5°	4320.8	4317.3	4322.0	4327.8	4318.5	4320.8	4317.3	4324.3	4326.7	4322.0	4325.5
7.5°	4388.7	4389.9	4394.5	4405.1	4399.2	4403.9	4396.9	4398.0	4396.9	4389.9	4391.0
10°	4462.4	4463.6	4471.8	4485.8	4488.2	4488.2	4483.5	4480.0	4475.3	4470.6	4471.8
12.5°	4551.4	4557.2	4563.1	4580.6	4580.6	4590.0	4587.6	4578.3	4570.1	4563.1	4563.1
15°	4671.9	4670.7	4677.8	4695.3	4703.5	4718.7	4718.7	4705.8	4695.3	4688.3	4685.9
17.5°	4798.3	4801.8	4806.5	4827.6	4840.4	4858.0	4860.3	4849.8	4842.8	4833.4	4827.6
20°	4945.8	4951.6	4970.3	4978.5	4990.2	5006.6	5012.5	5010.1	5003.1	4998.4	4999.6
22.5°	5117.8	5133.0	5144.7	5156.4	5170.5	5182.2	5188.0	5196.2	5189.2	5185.7	5183.3
25°	5326.1	5336.6	5360.0	5381.1	5390.5	5394.0	5401.0	5412.7	5411.5	5403.3	5403.3
27.5°	5562.5	5582.4	5611.7	5642.1	5642.1	5630.4	5653.8	5673.7	5666.7	5656.1	5642.1
30°	5849.2	5868.0	5901.9	5944.0	5923.0	5914.8	5946.4	5982.7	5972.1	5954.6	5952.2
32.5°	6158.2	6175.8	6220.2	6265.9	6239.0	6227.2	6261.2	6313.9	6295.1	6260.0	6239.0
35°	6492.9	6510.5	6573.7	6628.7	6583.0	6563.1	6591.2	6648.6	6615.8	6550.3	6533.9
37.5°	6856.9	6866.2	6948.2	7004.3	6972.7	6920.1	6955.2	6997.3	6969.2	6889.6	6858.0
40°	7234.9	7268.8	7363.6	7429.2	7374.2	7291.1	7349.6	7408.1	7366.0	7264.1	7210.3
42.5°	7676.1	7701.8	7828.2	7886.8	7797.8	7680.8	7760.4	7839.9	7797.8	7699.5	7652.7
45°	8134.9	8174.7	8325.6	8384.1	8255.4	8106.8	8203.9	8343.2	8339.7	8198.1	8148.9
47.5°	8634.6	8674.4	8854.6	8931.8	8792.6	8593.6	8730.6	8927.2	8913.1	8757.5	8717.7
50°	9211.6	9253.7	9478.4	9575.5	9445.6	9213.9	9419.9	9593.1	9567.3	9375.4	9378.9
52.5°	9936.0	9933.6	10213.3	10381.9	10248.5	10043.6	10233.2	10401.8	10295.3	10029.6	10021.4
55°	10570.3	10608.9	10955.3	11274.8	11266.6	11188.2	11264.3	11271.3	10967.0	10613.6	10570.3
57.5°	10986.9	11060.7	11548.7	12126.8	12559.8	12664.0	12516.5	12069.5	11356.7	10791.5	10722.4
60°	10730.6	10843.0	11609.5	12788.0	14063.7	14675.8	13843.7	12456.8	11053.6	10266.0	10172.4
62.5°	9000.9	9190.5	10312.8	12468.5	15358.1	17147.5	14805.7	11835.4	9848.2	8763.3	8603.0
65°	5481.8	5681.9	7034.8	10262.5	15148.6	19104.2	14366.8	9823.6	7188.1	5838.7	5665.5
67.5°	1826.9	1885.4	2682.4	5672.5	11905.6	17165.0	11925.5	5880.8	3128.3	2073.8	2012.9
70°	715.1	720.9	850.8	1644.3	5622.2	11789.8	6203.8	1673.6	889.4	703.4	718.6
72.5°	525.5	527.8	564.1	687.0	1465.2	5193.9	1517.9	690.5	548.9	492.7	492.7
75°	422.5	422.5	448.2	500.9	656.5	1191.4	665.9	495.0	429.5	393.2	388.5
77.5°	333.5	340.6	360.5	394.4	444.7	573.5	461.1	392.1	346.4	312.5	305.5
80°	248.1	255.1	287.9	304.3	319.5	397.9	340.6	306.6	273.9	234.1	227.0
82.5°	162.7	169.7	210.7	220.0	216.5	259.8	229.4	225.9	201.3	151.0	143.9
85°	106.5	108.8	140.4	146.3	134.6	118.2	146.3	154.5	140.4	98.3	94.8
87.5°	50.3	50.3	71.4	66.7	60.9	49.2	66.7	78.4	79.6	48.0	46.8
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)