

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: P316840

Luminaire Tested: **GAN-SA6B-750-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316840  
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-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 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: 35255 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

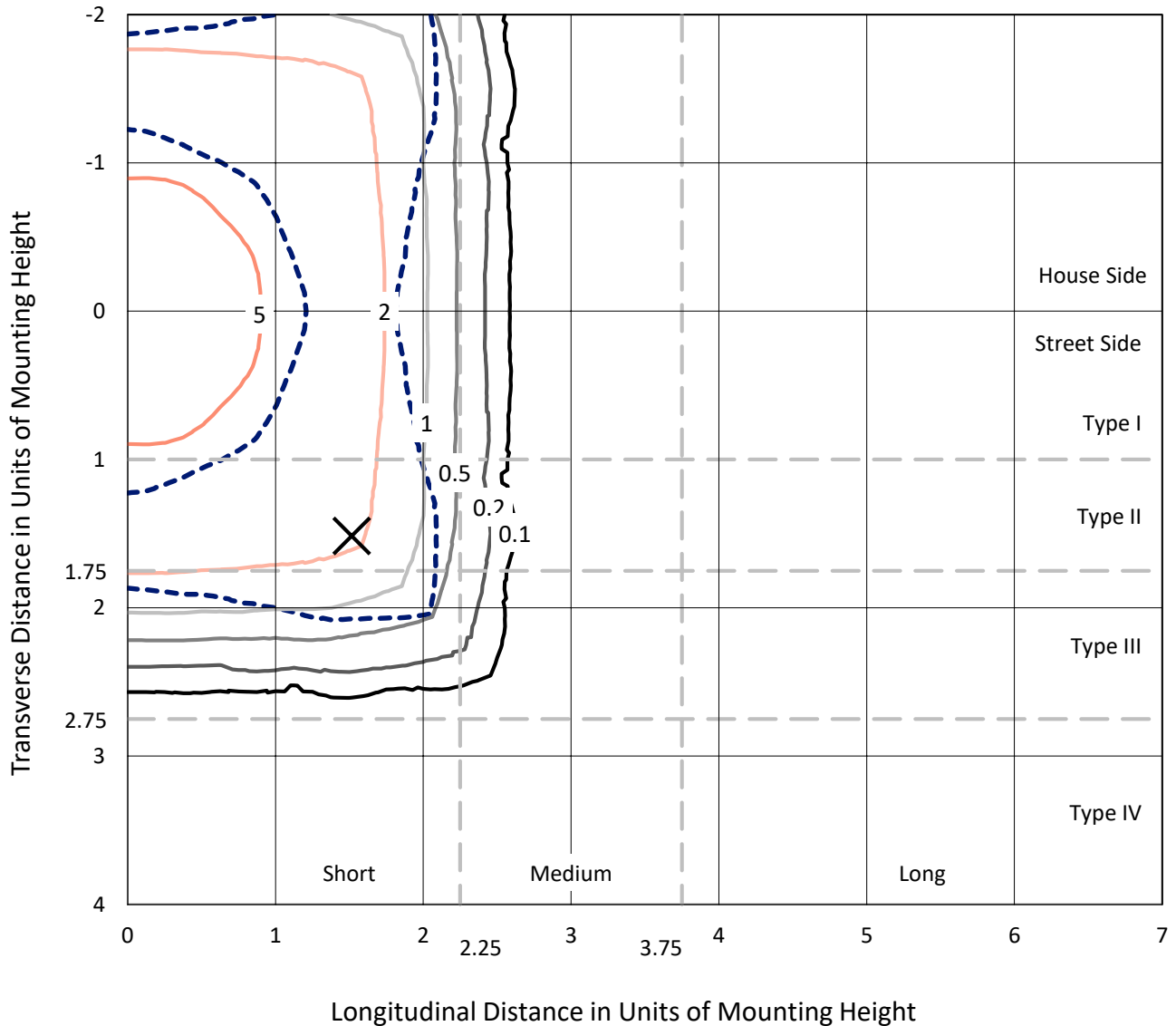
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

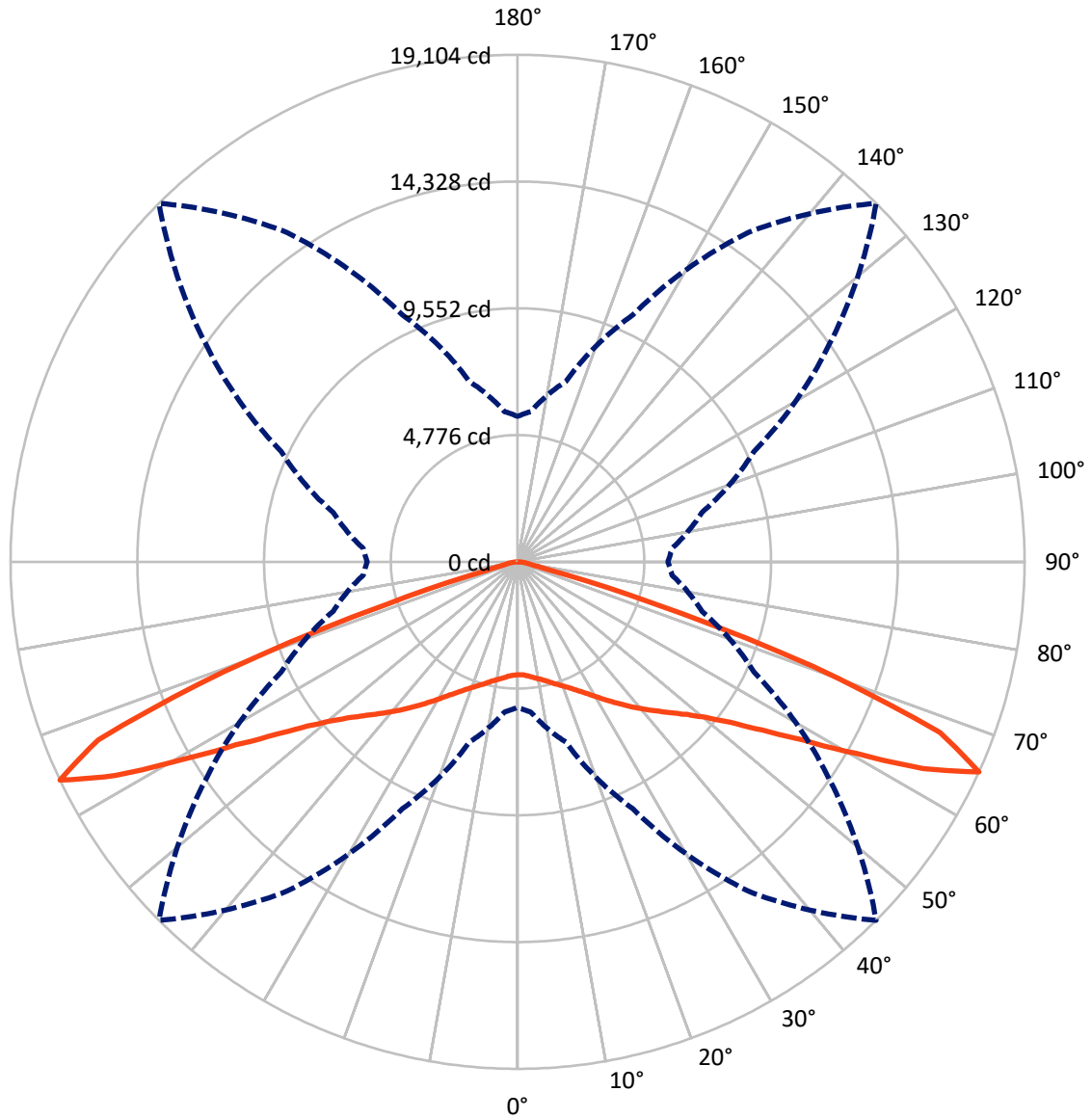
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	17627.5	0.0	17627.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17627.5	0.0	17627.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35255.0	0.0	35255.0
	% 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°	4166.0	11.8
40°-50°	6452.6	18.3
50°-60°	9896.5	28.1
60°-70°	9234.6	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°	35255.0	100.0
0°-180°	35255.0	100.0

**Coefficient of Utilization**

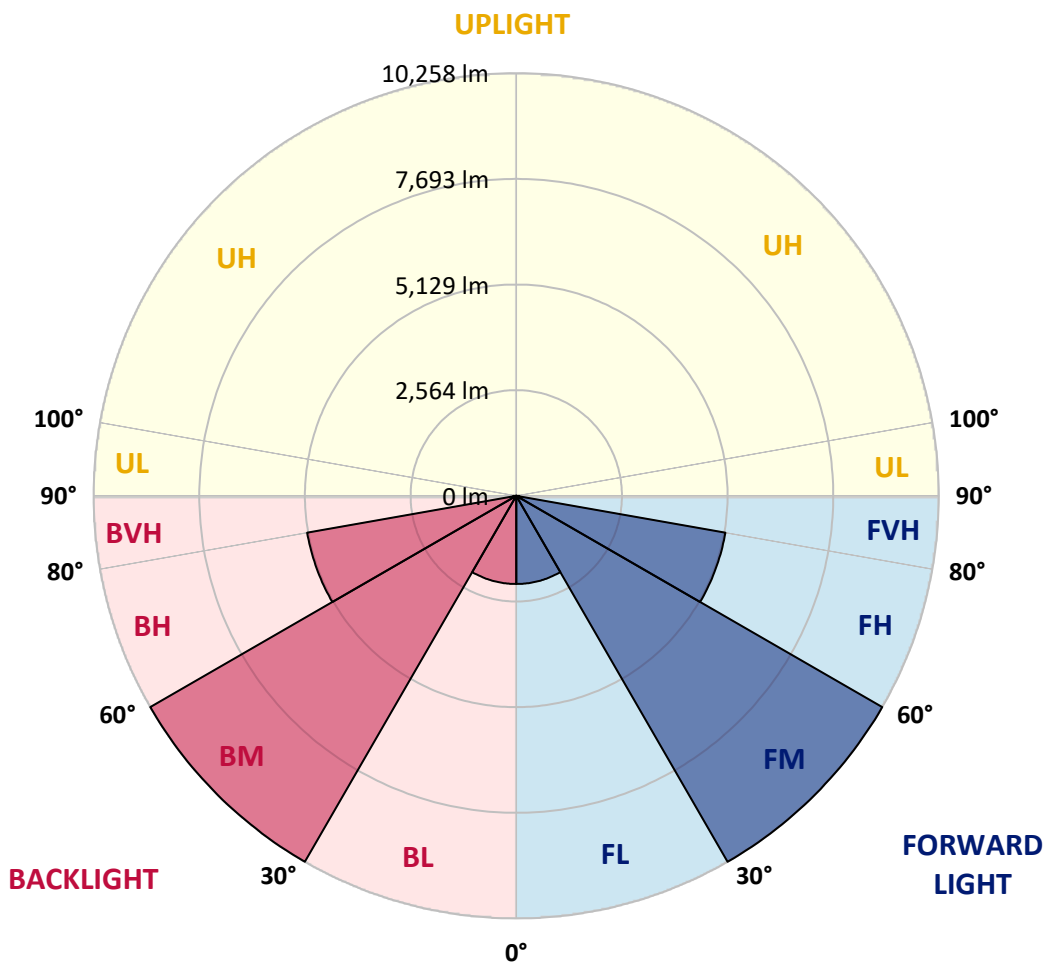


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2139.7	6.1			
FM (30°-60°)	10257.6	29.1			
FH (60°-80°)	5154.7	14.6			G3/7500
FVH (80°-90°)	75.5	0.2			G1/100
BL (0°-30°)	2139.7	6.1	B3/2500		
BM (30°-60°)	10257.6	29.1	B5		
BH (60°-80°)	5154.7	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°	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5	4257.5
2.5°	4271.5	4269.2	4271.5	4272.7	4265.7	4269.2	4268.0	4273.9	4276.2	4273.9	4273.9
5°	4320.7	4317.2	4321.9	4327.7	4318.3	4320.7	4317.2	4324.2	4326.5	4321.9	4325.4
7.5°	4388.6	4389.7	4394.4	4404.9	4399.1	4403.8	4396.8	4397.9	4396.8	4389.7	4390.9
10°	4462.3	4463.5	4471.6	4485.7	4488.0	4488.0	4483.4	4479.8	4475.2	4470.5	4471.6
12.5°	4551.2	4557.1	4562.9	4580.5	4580.5	4589.8	4587.5	4578.1	4570.0	4562.9	4562.9
15°	4671.8	4670.6	4677.6	4695.2	4703.4	4718.6	4718.6	4705.7	4695.2	4688.2	4685.8
17.5°	4798.2	4801.7	4806.4	4827.4	4840.3	4857.8	4860.2	4849.7	4842.6	4833.3	4827.4
20°	4945.6	4951.5	4970.2	4978.4	4990.1	5006.5	5012.3	5010.0	5003.0	4998.3	4999.4
22.5°	5117.6	5132.9	5144.6	5156.3	5170.3	5182.0	5187.9	5196.1	5189.0	5185.5	5183.2
25°	5326.0	5336.5	5359.9	5381.0	5390.3	5393.8	5400.9	5412.6	5411.4	5403.2	5403.2
27.5°	5562.4	5582.2	5611.5	5641.9	5641.9	5630.2	5653.6	5673.5	5666.5	5656.0	5641.9
30°	5849.1	5867.8	5901.7	5943.9	5922.8	5914.6	5946.2	5982.5	5972.0	5954.4	5952.1
32.5°	6158.0	6175.6	6220.1	6265.7	6238.8	6227.1	6261.0	6313.7	6294.9	6259.8	6238.8
35°	6492.7	6510.3	6573.5	6628.5	6582.8	6562.9	6591.0	6648.4	6615.6	6550.1	6533.7
37.5°	6856.7	6866.0	6948.0	7004.1	6972.5	6919.9	6955.0	6997.1	6969.0	6889.5	6857.9
40°	7234.7	7268.6	7363.4	7429.0	7373.9	7290.9	7349.4	7407.9	7365.8	7263.9	7210.1
42.5°	7675.9	7701.6	7828.0	7886.5	7797.6	7680.6	7760.1	7839.7	7797.6	7699.3	7652.5
45°	8134.6	8174.4	8325.4	8383.9	8255.2	8106.5	8203.7	8342.9	8339.4	8197.8	8148.7
47.5°	8634.3	8674.1	8854.4	8931.6	8792.3	8593.4	8730.3	8926.9	8912.9	8757.2	8717.4
50°	9211.3	9253.4	9478.1	9575.3	9445.4	9213.6	9419.6	9592.8	9567.1	9375.1	9378.6
52.5°	9935.7	9933.4	10213.1	10381.6	10248.2	10043.4	10233.0	10401.5	10295.0	10029.3	10021.1
55°	10570.0	10608.6	10955.0	11274.5	11266.3	11187.9	11264.0	11271.0	10966.7	10613.3	10570.0
57.5°	10986.6	11060.3	11548.3	12126.5	12559.5	12663.6	12516.2	12069.1	11356.4	10791.2	10722.1
60°	10730.3	10842.7	11609.2	12787.7	14063.3	14675.3	13843.3	12456.5	11053.3	10265.7	10172.1
62.5°	9000.6	9190.2	10312.5	12468.2	15357.6	17147.0	14805.2	11835.1	9847.9	8763.1	8602.7
65°	5481.6	5681.7	7034.6	10262.2	15148.1	19103.7	14366.4	9823.4	7187.9	5838.5	5665.3
67.5°	1826.8	1885.3	2682.3	5672.4	11905.3	17164.5	11925.2	5880.7	3128.2	2073.7	2012.9
70°	715.0	720.9	850.8	1644.2	5622.0	11789.4	6203.7	1673.5	889.4	703.3	718.6
72.5°	525.5	527.8	564.1	687.0	1465.2	5193.7	1517.9	690.5	548.9	492.7	492.7
75°	422.5	422.5	448.2	500.9	656.5	1191.3	665.9	495.0	429.5	393.2	388.5
77.5°	333.5	340.6	360.4	394.4	444.7	573.4	461.1	392.0	346.4	312.5	305.4
80°	248.1	255.1	287.9	304.3	319.5	397.9	340.6	306.6	273.8	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)