

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: P316523

Luminaire Tested: **GAN-SA9B-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53667 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

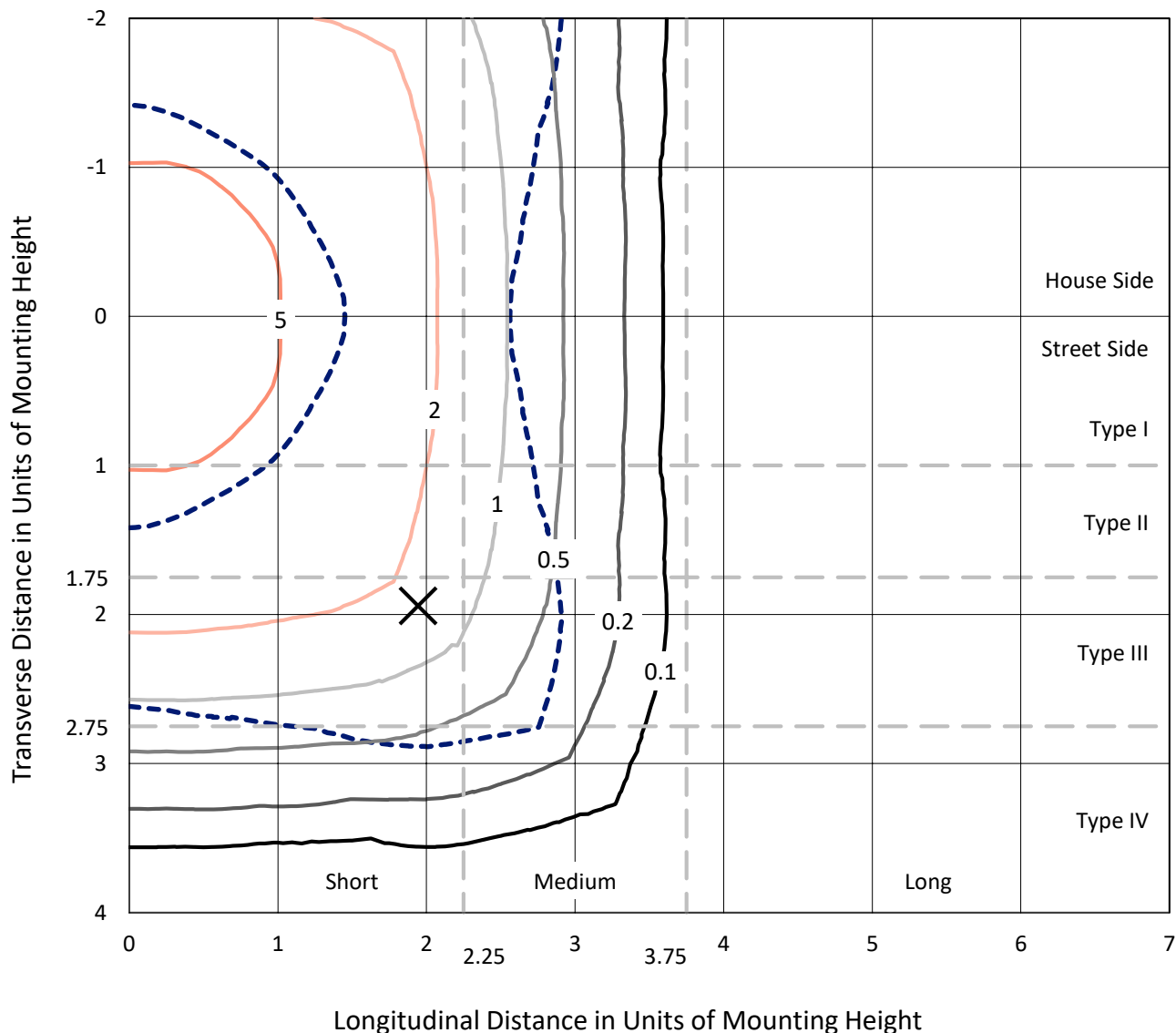
Input Watts (W): 374
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

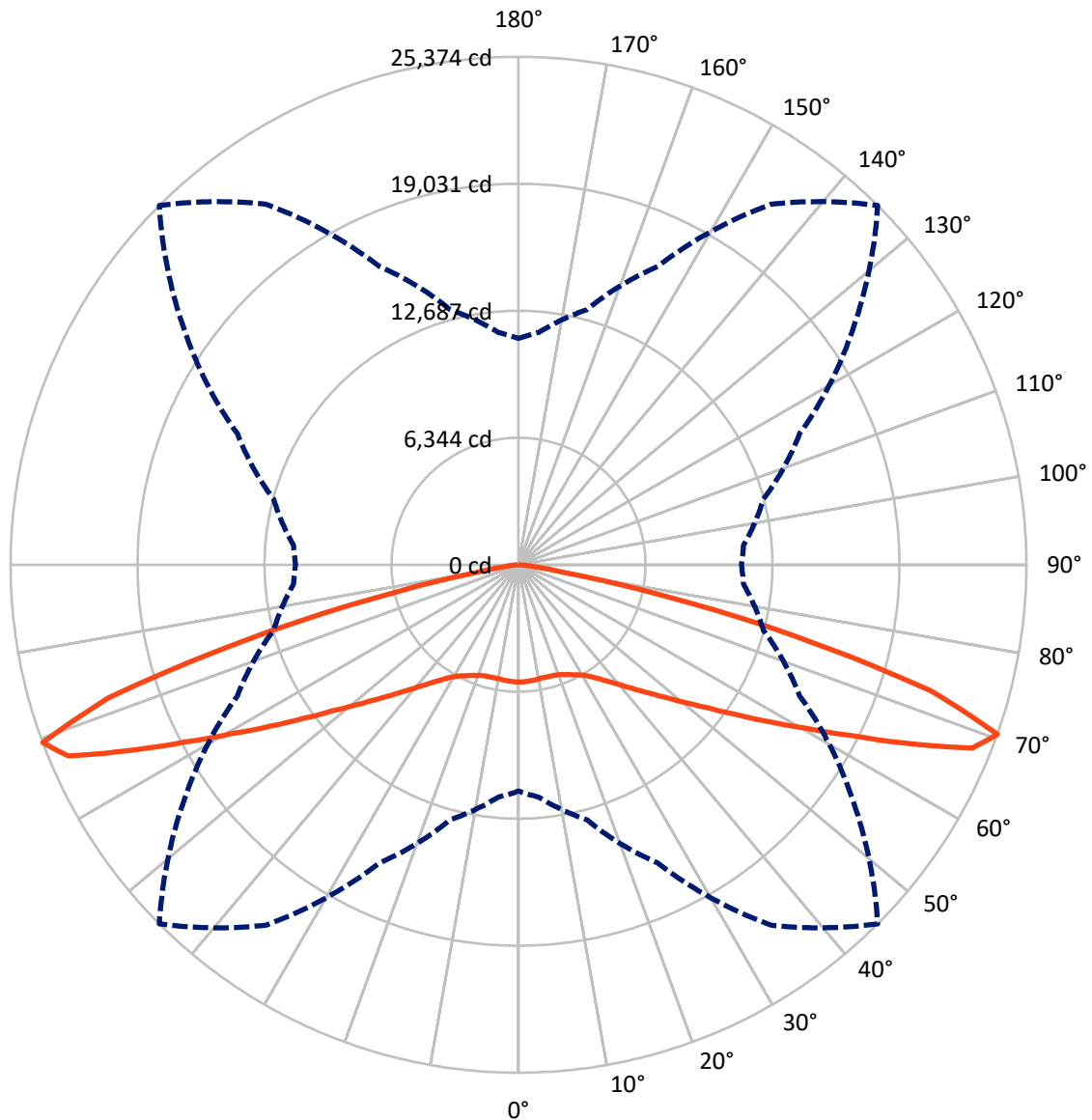
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	26833.5	0.0	26833.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26833.5	0.0	26833.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53667.0	0.0	53667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	1.0
10°-20°	1629.7	3.0
20°-30°	2774.3	5.2
30°-40°	4400.0	8.2
40°-50°	7160.1	13.3
50°-60°	11805.8	22.0
60°-70°	17331.2	32.3
70°-80°	7663.8	14.3
80°-90°	347.1	0.6
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°	53667.0	100.0
0°-180°	53667.0	100.0

Coefficient of Utilization



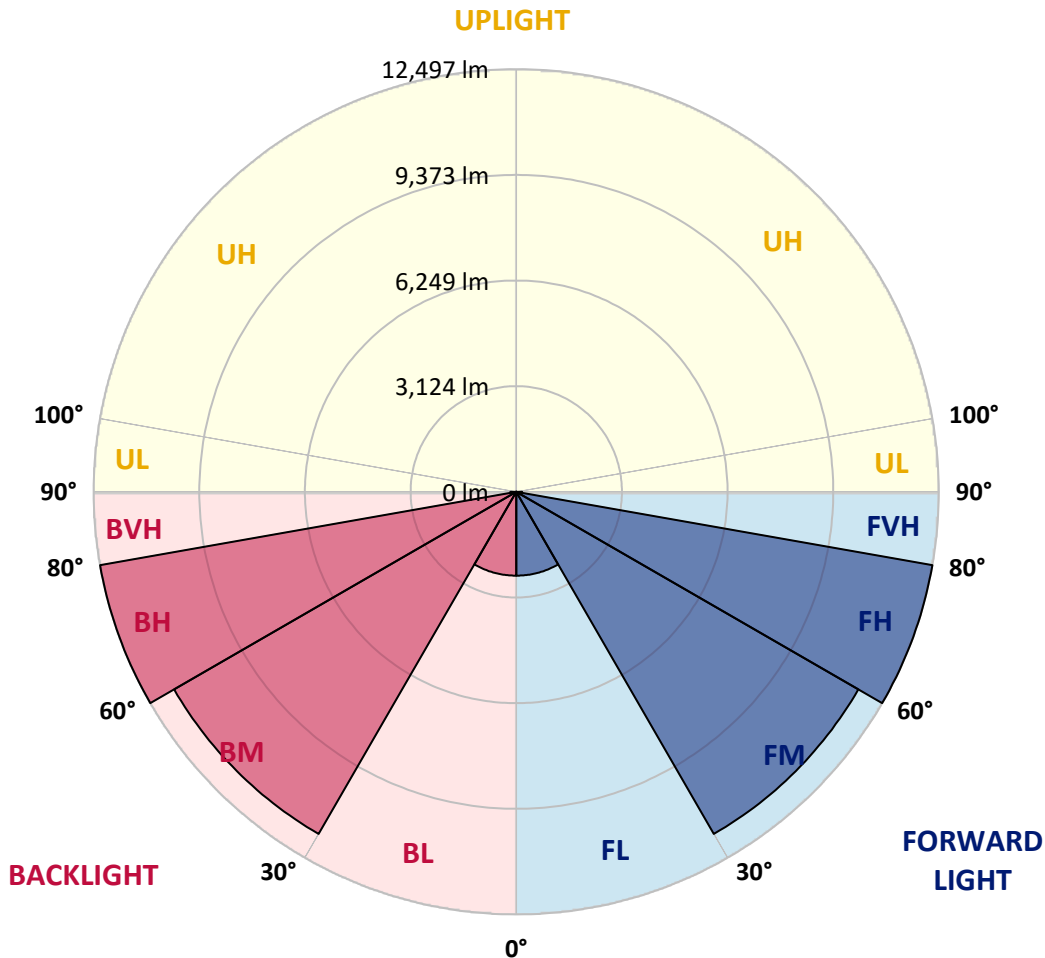
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2479.6	4.6			
FM (30°-60°)	11682.9	21.8			
FH (60°-80°)	12497.5	23.3			G5
FVH (80°-90°)	173.5	0.3			G2/225
BL (0°-30°)	2479.6	4.6	B3/2500		
BM (30°-60°)	11682.9	21.8	B5		
BH (60°-80°)	12497.5	23.3	B5		G5
BVH (80°-90°)	173.5	0.3			G2/225
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°	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3	5861.3
2.5°	5852.4	5847.1	5859.5	5857.7	5847.1	5848.8	5848.8	5854.2	5854.2	5850.6	5850.6
5°	5831.1	5827.5	5841.7	5841.7	5831.1	5834.6	5838.2	5843.5	5841.7	5838.2	5836.4
7.5°	5804.4	5802.7	5816.9	5816.9	5809.8	5813.3	5809.8	5811.5	5808.0	5804.4	5799.1
10°	5760.0	5763.6	5776.0	5779.6	5779.6	5781.3	5777.8	5768.9	5763.6	5758.3	5752.9
12.5°	5719.2	5717.4	5735.2	5744.0	5758.3	5774.2	5763.6	5738.7	5728.1	5717.4	5713.9
15°	5692.5	5694.3	5712.1	5728.1	5752.9	5786.7	5774.2	5735.2	5713.9	5701.4	5697.9
17.5°	5687.2	5690.8	5713.9	5742.3	5768.9	5806.2	5799.1	5760.0	5724.5	5701.4	5696.1
20°	5699.6	5701.4	5736.9	5777.8	5824.0	5859.5	5843.5	5800.9	5752.9	5717.4	5708.5
22.5°	5722.7	5729.8	5774.2	5838.2	5909.2	5957.2	5937.6	5864.8	5790.2	5745.8	5733.4
25°	5795.6	5797.3	5857.7	5944.8	6030.0	6085.1	6062.0	5959.0	5863.0	5813.3	5797.3
27.5°	5946.5	5951.9	6012.2	6113.5	6186.3	6221.8	6207.6	6124.1	6042.4	5989.2	5994.5
30°	6165.0	6172.1	6239.6	6351.5	6395.9	6404.8	6401.2	6362.1	6287.5	6216.5	6221.8
32.5°	6431.4	6435.0	6525.5	6626.8	6662.3	6669.4	6662.3	6626.8	6538.0	6442.1	6447.4
35°	6774.2	6784.9	6871.9	6969.6	6998.0	7012.2	6999.8	6953.6	6861.2	6767.1	6763.6
37.5°	7196.9	7198.7	7289.3	7390.5	7426.1	7429.6	7415.4	7385.2	7269.8	7184.5	7179.2
40°	7687.1	7694.3	7800.8	7909.2	7923.4	7907.4	7926.9	7909.2	7790.2	7692.5	7708.5
42.5°	8283.9	8299.9	8427.8	8534.4	8493.5	8484.6	8497.1	8502.4	8406.5	8287.5	8276.8
45°	8978.4	8992.6	9152.5	9237.7	9211.1	9152.5	9177.3	9220.0	9086.7	8939.3	8953.5
47.5°	9770.6	9806.1	9976.6	10056.5	9990.8	9910.9	9958.8	10022.8	9866.5	9683.5	9674.7
50°	10651.5	10695.9	10923.3	11035.2	10969.5	10822.0	10902.0	10944.6	10719.0	10482.8	10463.3
52.5°	11591.1	11635.5	11921.5	12152.4	12109.7	11880.6	11992.5	11948.1	11688.8	11370.9	11346.0
55°	12655.0	12672.8	12981.8	13354.8	13397.4	13228.7	13221.6	13148.8	12765.1	12397.5	12379.7
57.5°	13749.1	13761.6	14161.2	14601.7	14802.4	14802.4	14603.4	14448.9	13939.2	13512.9	13468.5
60°	14930.3	14974.7	15416.9	16015.5	16484.4	16622.9	16271.2	15850.3	15296.1	14775.7	14724.2
62.5°	15981.7	16033.2	16710.0	17601.6	18354.7	18859.1	17999.4	17313.8	16305.0	15470.2	15372.5
65°	16114.9	16253.5	17239.2	18853.8	20539.3	21546.4	19898.1	18209.0	16370.7	15210.9	15111.4
67.5°	14717.1	14951.6	16283.7	18796.9	22279.9	24441.5	21111.2	17697.5	15191.4	13909.0	13798.9
70°	11308.7	11649.7	13186.1	16441.8	21979.8	25374.0	20351.0	15493.3	12665.7	11285.6	11131.1
72.5°	6204.1	6344.4	7726.2	11259.0	17621.1	21562.4	16974.6	11456.1	8399.4	6834.6	6575.3
75°	1968.0	2017.7	2721.1	4607.3	9967.7	14282.0	10783.0	5623.3	3095.8	2282.3	2255.7
77.5°	873.9	879.2	984.0	1344.5	3433.3	7236.0	4124.2	1531.0	1055.0	921.8	952.0
80°	552.4	552.4	609.2	666.1	934.3	2101.2	1115.4	728.2	621.7	577.2	589.7
82.5°	264.6	293.1	396.1	426.3	513.3	706.9	571.9	476.0	415.6	309.0	287.7
85°	174.1	145.6	250.4	282.4	298.4	339.2	332.1	314.4	271.7	154.5	172.3
87.5°	78.2	74.6	129.7	119.0	111.9	85.3	127.9	158.1	152.7	76.4	76.4
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)