

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: P316793

Luminaire Tested: **GAN-SA9A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316793
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-SA9A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42975 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

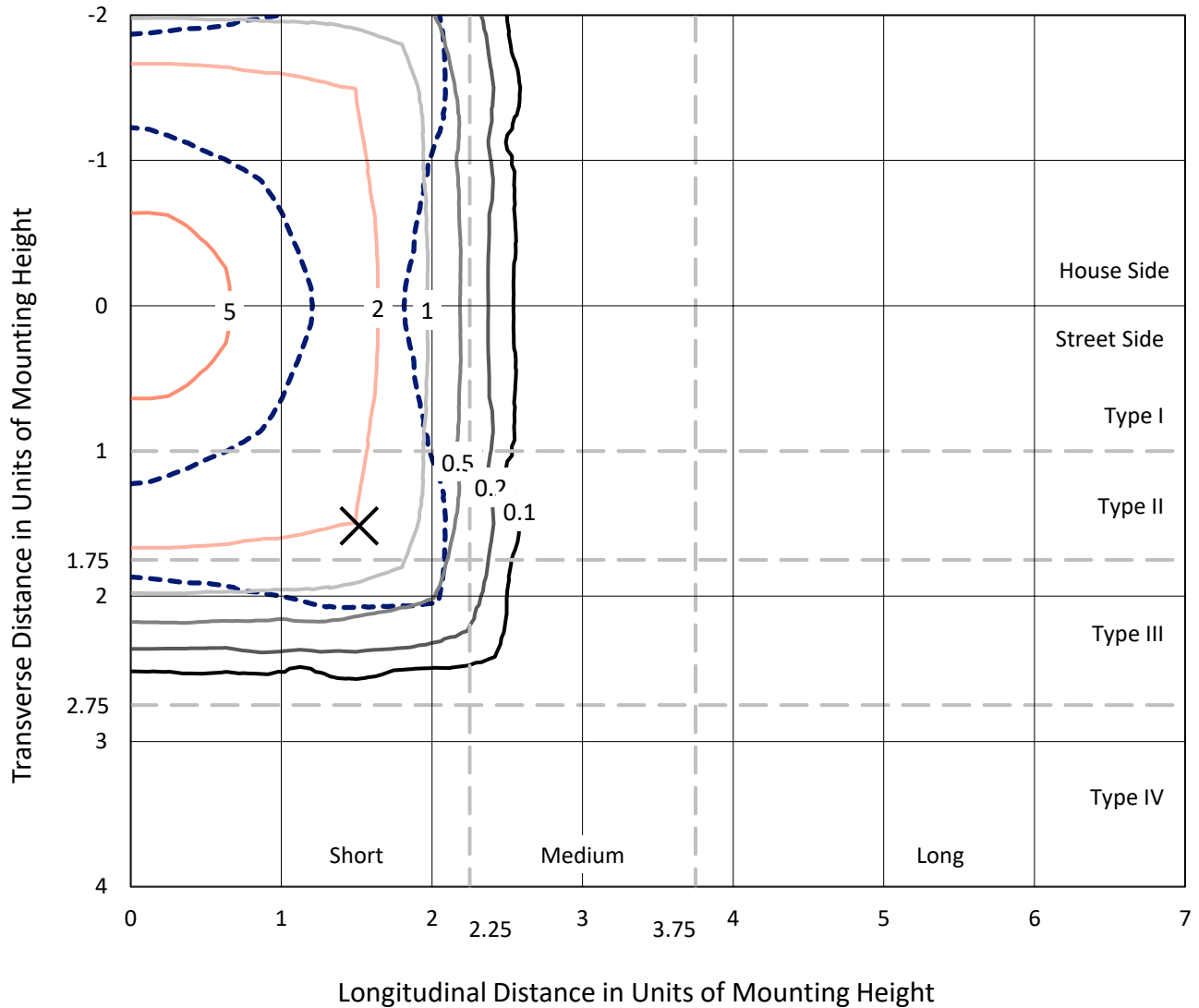
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

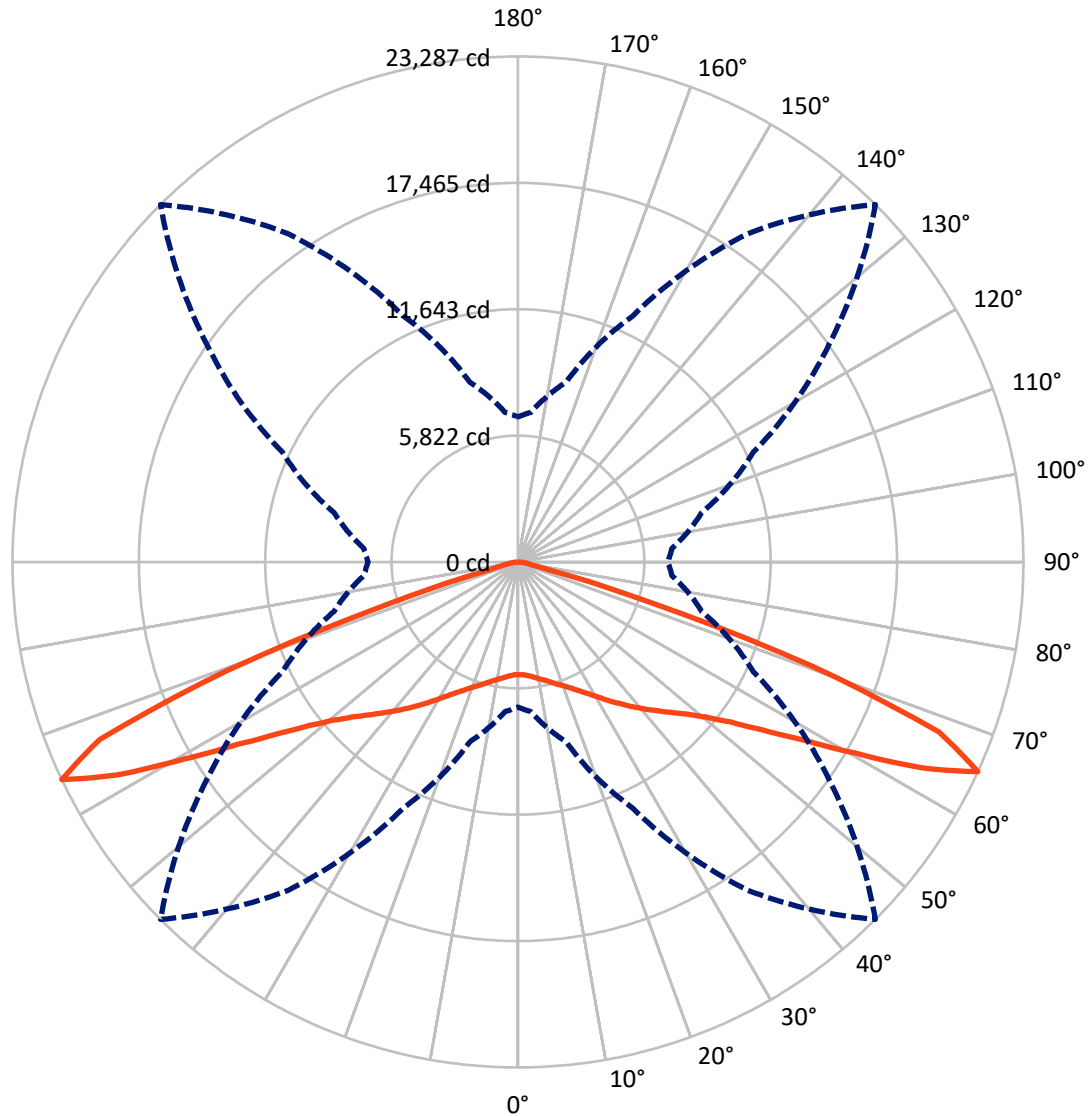
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.8 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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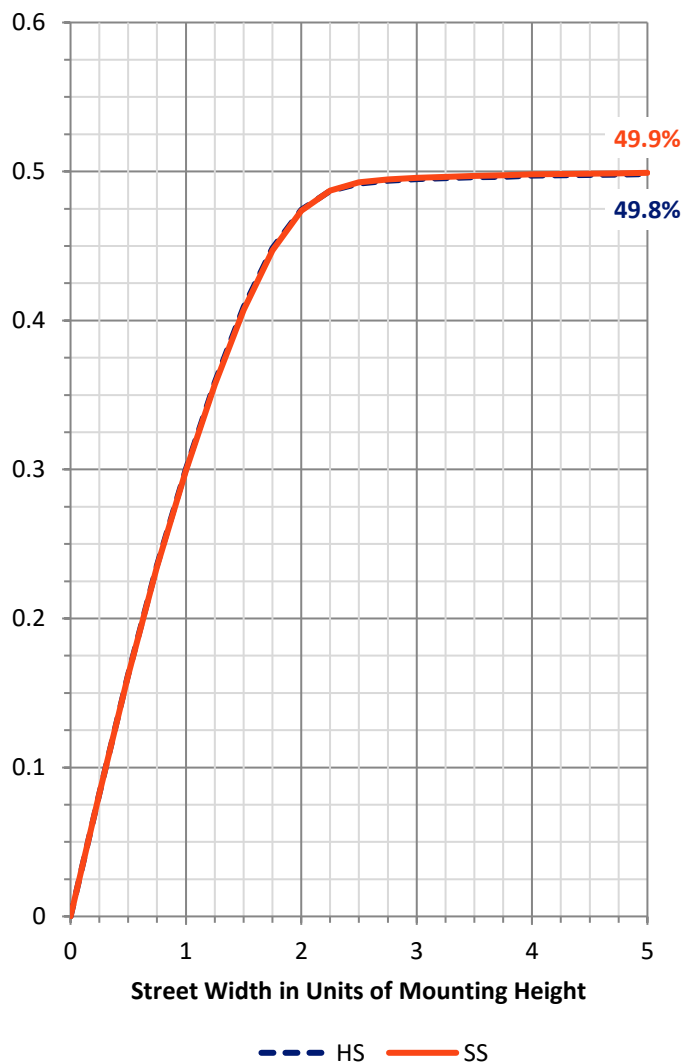
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21487.5	0.0	21487.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21487.5	0.0	21487.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42975.0	0.0	42975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.2	1.2
10°-20°	1636.7	3.8
20°-30°	3070.7	7.1
30°-40°	5078.3	11.8
40°-50°	7865.6	18.3
50°-60°	12063.6	28.1
60°-70°	11256.7	26.2
70°-80°	1310.1	3.0
80°-90°	184.1	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°	42975.0	100.0
0°-180°	42975.0	100.0

Coefficient of Utilization



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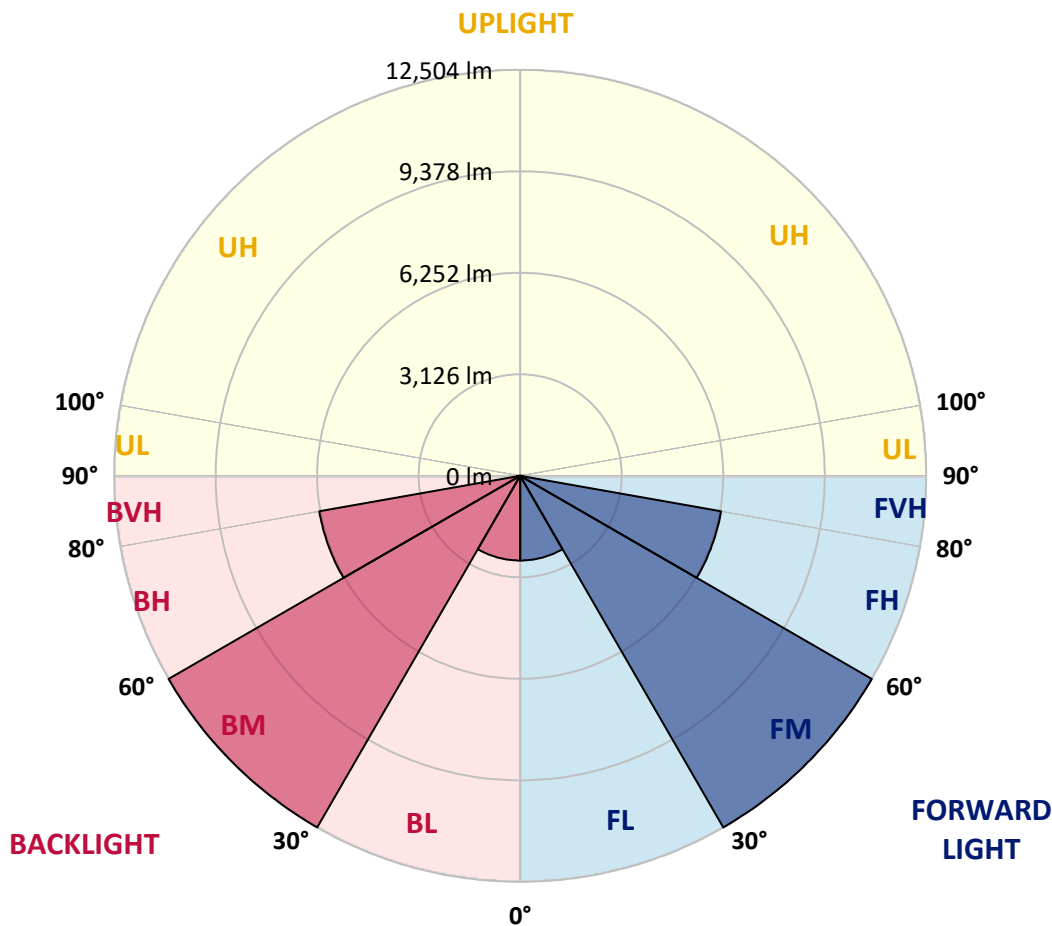
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2608.3	6.1			
FM (30°-60°)	12503.8	29.1			
FH (60°-80°)	6283.4	14.6			G3/7500
FVH (80°-90°)	92.0	0.2			G1/100
BL (0°-30°)	2608.3	6.1	B4/5000		
BM (30°-60°)	12503.8	29.1	B5		
BH (60°-80°)	6283.4	14.6	B5		G3/7500
BVH (80°-90°)	92.0	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°	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8	5189.8
2.5°	5206.9	5204.0	5206.9	5208.3	5199.8	5204.0	5202.6	5209.7	5212.6	5209.7	5209.7
5°	5266.8	5262.5	5268.2	5275.4	5264.0	5266.8	5262.5	5271.1	5273.9	5268.2	5272.5
7.5°	5349.5	5351.0	5356.7	5369.5	5362.4	5368.1	5359.5	5361.0	5359.5	5351.0	5352.4
10°	5439.4	5440.8	5450.8	5468.0	5470.8	5470.8	5465.1	5460.8	5455.1	5449.4	5450.8
12.5°	5547.8	5555.0	5562.1	5583.5	5583.5	5594.9	5592.1	5580.6	5570.7	5562.1	5562.1
15°	5694.8	5693.3	5701.9	5723.3	5733.3	5751.8	5751.8	5736.1	5723.3	5714.7	5711.9
17.5°	5848.8	5853.1	5858.8	5884.5	5900.2	5921.6	5924.4	5911.6	5903.0	5891.6	5884.5
20°	6028.6	6035.7	6058.5	6068.5	6082.8	6102.8	6109.9	6107.0	6098.5	6092.8	6094.2
22.5°	6238.3	6256.8	6271.1	6285.4	6302.5	6316.7	6323.9	6333.9	6325.3	6321.0	6318.2
25°	6492.2	6505.1	6533.6	6559.3	6570.7	6575.0	6583.5	6597.8	6596.4	6586.4	6586.4
27.5°	6780.4	6804.6	6840.3	6877.4	6877.4	6863.1	6891.6	6915.9	6907.3	6894.5	6877.4
30°	7129.9	7152.7	7194.1	7245.4	7219.8	7209.8	7248.3	7292.5	7279.7	7258.3	7255.4
32.5°	7506.5	7527.9	7582.1	7637.7	7604.9	7590.7	7632.0	7696.2	7673.4	7630.6	7604.9
35°	7914.5	7935.9	8012.9	8080.0	8024.3	8000.1	8034.3	8104.2	8064.3	7984.4	7964.4
37.5°	8358.1	8369.5	8469.4	8537.9	8499.4	8435.2	8478.0	8529.3	8495.1	8398.1	8359.6
40°	8818.9	8860.3	8975.8	9055.7	8988.7	8887.4	8958.7	9030.0	8978.7	8854.6	8789.0
42.5°	9356.7	9388.1	9542.2	9613.5	9505.1	9362.4	9459.4	9556.4	9505.1	9385.2	9328.2
45°	9915.9	9964.4	10148.5	10219.8	10062.9	9881.7	10000.1	10169.8	10165.6	9993.0	9933.0
47.5°	10525.1	10573.6	10793.2	10887.4	10717.6	10475.1	10642.0	10881.7	10864.6	10674.8	10626.3
50°	11228.3	11279.7	11553.6	11672.0	11513.7	11231.2	11482.3	11693.4	11662.0	11428.1	11432.3
52.5°	12111.4	12108.5	12449.5	12654.9	12492.3	12242.6	12473.7	12679.1	12549.3	12225.5	12215.5
55°	12884.6	12931.6	13353.9	13743.3	13733.4	13637.8	13730.5	13739.1	13368.2	12937.3	12884.6
57.5°	13392.4	13482.3	14077.2	14781.9	15309.7	15436.7	15256.9	14712.0	13843.2	13154.2	13070.0
60°	13080.0	13217.0	14151.3	15587.9	17142.8	17888.9	16874.6	15184.2	13473.7	12513.7	12399.5
62.5°	10971.6	11202.7	12570.7	15198.4	18720.6	20901.8	18047.2	14426.7	12004.4	10682.0	10486.5
65°	6681.9	6925.9	8575.0	12509.4	18465.2	23286.9	17512.3	11974.4	8761.8	7117.0	6905.9
67.5°	2226.8	2298.2	3269.6	6914.5	14512.3	20923.2	14536.5	7168.4	3813.2	2527.8	2453.7
70°	871.6	878.8	1037.1	2004.3	6853.1	14371.0	7562.1	2040.0	1084.2	857.4	875.9
72.5°	640.5	643.4	687.6	837.4	1786.0	6331.0	1850.2	841.7	669.1	600.6	600.6
75°	515.0	515.0	546.4	610.6	800.3	1452.2	811.7	603.4	523.5	479.3	473.6
77.5°	406.6	415.1	439.4	480.7	542.1	699.0	562.1	477.9	422.3	380.9	372.3
80°	302.4	311.0	350.9	370.9	389.4	485.0	415.1	373.8	333.8	285.3	276.7
82.5°	198.3	206.8	256.8	268.2	263.9	316.7	279.6	275.3	245.4	184.0	175.5
85°	129.8	132.7	171.2	178.3	164.1	144.1	178.3	188.3	171.2	119.8	115.6
87.5°	61.3	61.3	87.0	81.3	74.2	59.9	81.3	95.6	97.0	58.5	57.1
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)