

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: P316752

Luminaire Tested: **GAN-SA8A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316752
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-SA8A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 35085 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

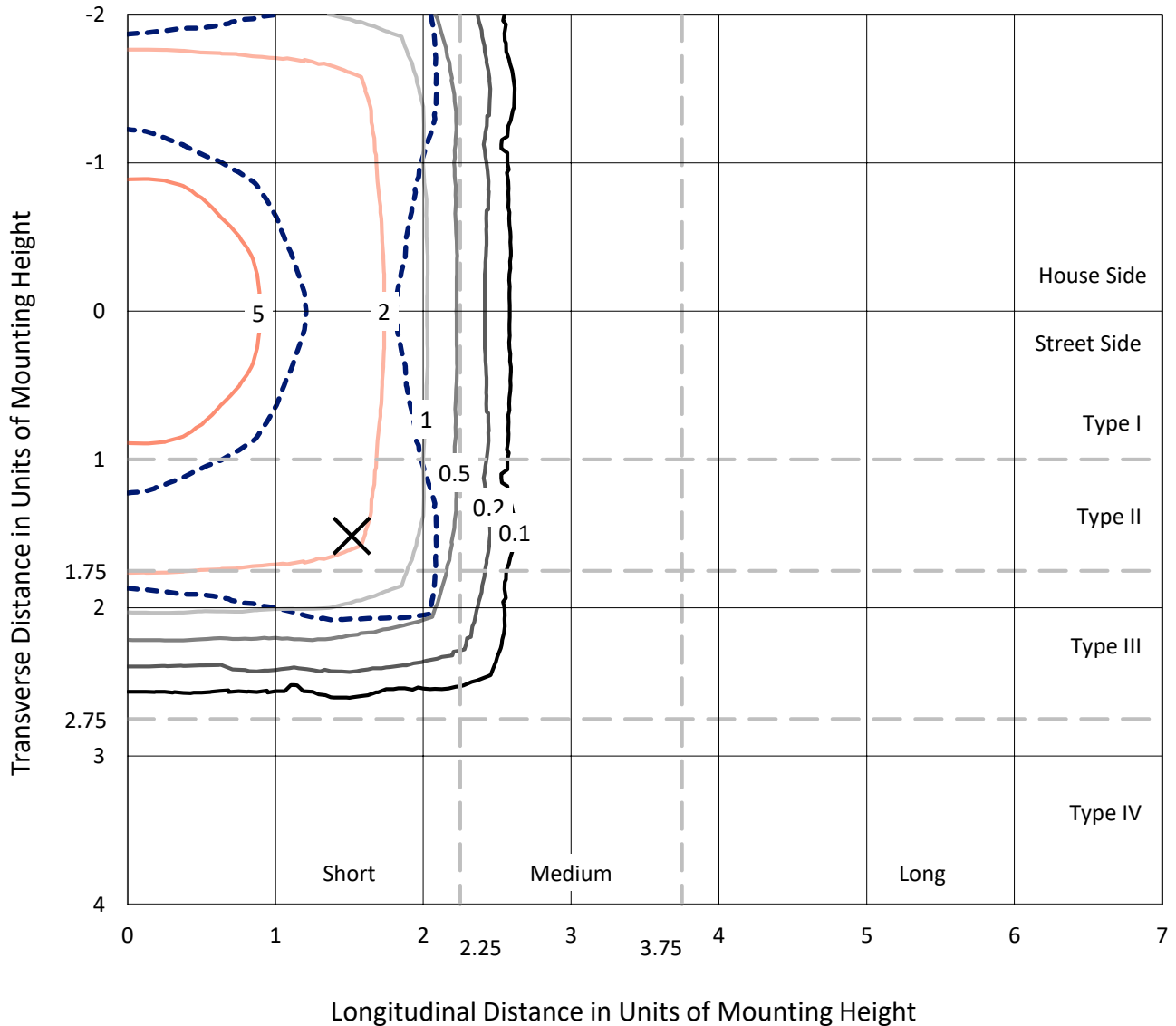
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

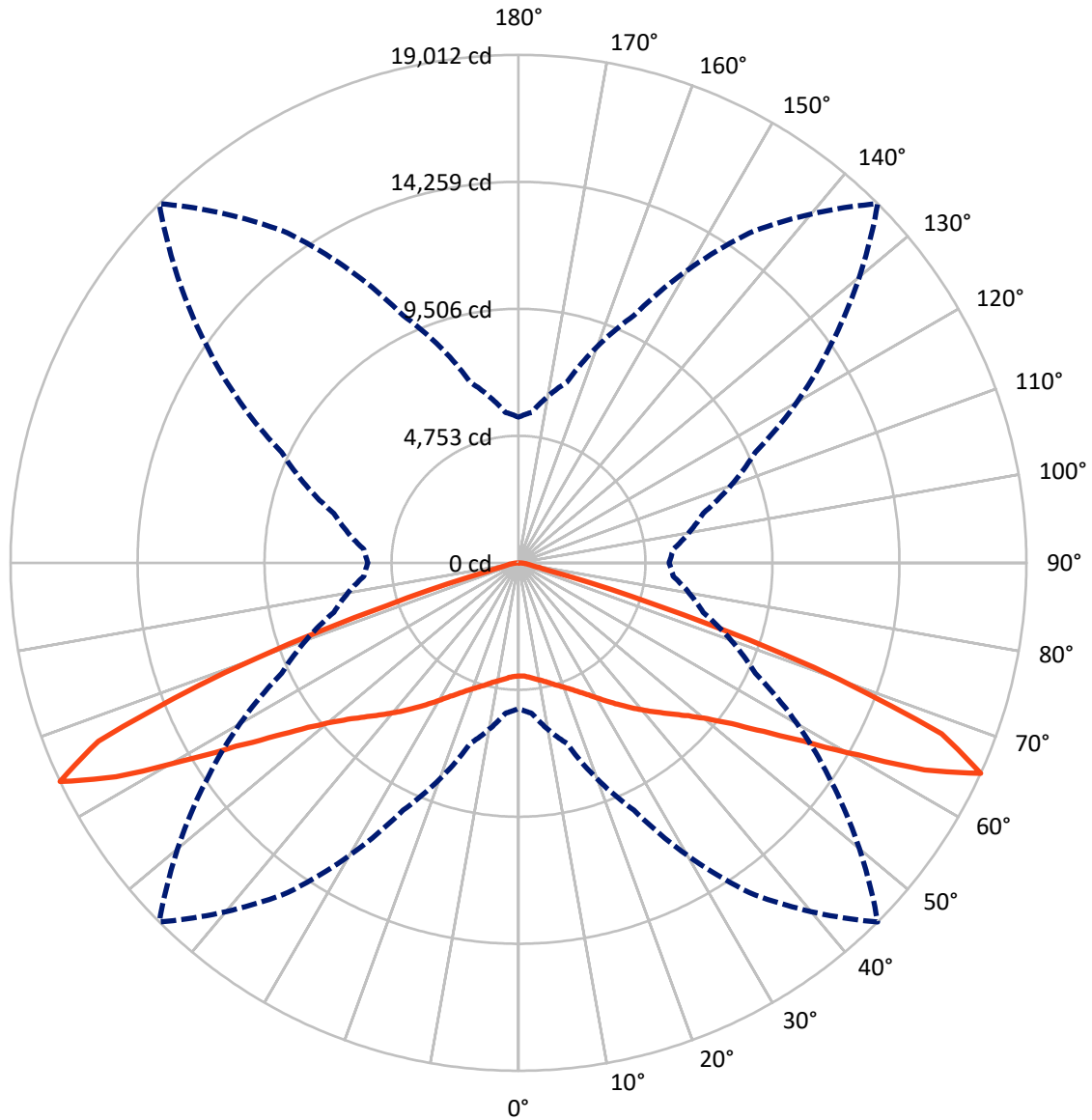
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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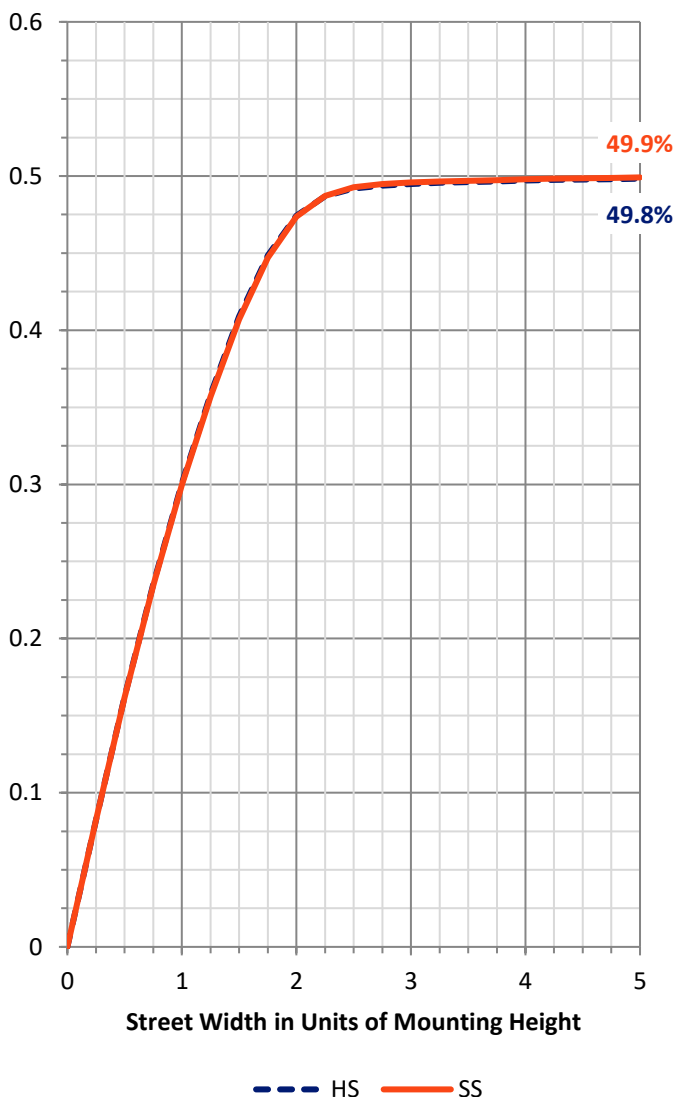
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17542.5	0.0	17542.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17542.5	0.0	17542.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35085.0	0.0	35085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.7	1.2
10°-20°	1336.2	3.8
20°-30°	2506.9	7.1
30°-40°	4145.9	11.8
40°-50°	6421.5	18.3
50°-60°	9848.8	28.1
60°-70°	9190.1	26.2
70°-80°	1069.6	3.0
80°-90°	150.3	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°	35085.0	100.0
0°-180°	35085.0	100.0

Coefficient of Utilization



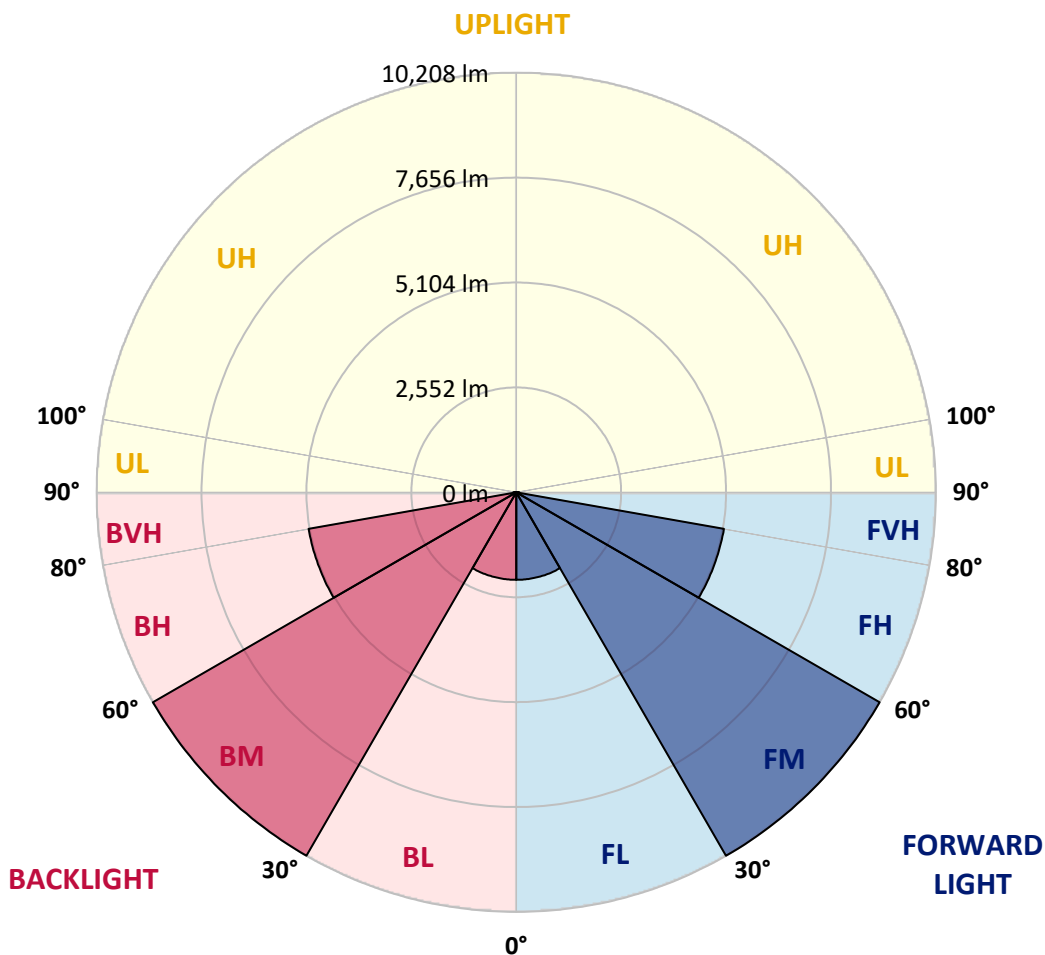
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2129.4	6.1			
FM (30°-60°)	10208.1	29.1			
FH (60°-80°)	5129.8	14.6			G3/7500
FVH (80°-90°)	75.1	0.2			G1/100
BL (0°-30°)	2129.4	6.1	B3/2500		
BM (30°-60°)	10208.1	29.1	B5		
BH (60°-80°)	5129.8	14.6	B5		G3/7500
BVH (80°-90°)	75.1	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°	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0	4237.0
2.5°	4250.9	4248.6	4250.9	4252.1	4245.1	4248.6	4247.4	4253.3	4255.6	4253.3	4253.3
5°	4299.8	4296.4	4301.0	4306.8	4297.5	4299.8	4296.4	4303.3	4305.7	4301.0	4304.5
7.5°	4367.4	4368.6	4373.2	4383.7	4377.9	4382.5	4375.6	4376.7	4375.6	4368.6	4369.7
10°	4440.8	4441.9	4450.1	4464.1	4466.4	4466.4	4461.7	4458.2	4453.6	4448.9	4450.1
12.5°	4529.3	4535.1	4540.9	4558.4	4558.4	4567.7	4565.4	4556.1	4547.9	4540.9	4540.9
15°	4649.2	4648.1	4655.1	4672.5	4680.7	4695.8	4695.8	4683.0	4672.5	4665.5	4663.2
17.5°	4775.0	4778.5	4783.2	4804.1	4816.9	4834.4	4836.7	4826.3	4819.3	4810.0	4804.1
20°	4921.8	4927.6	4946.2	4954.4	4966.0	4982.3	4988.2	4985.8	4978.8	4974.2	4975.3
22.5°	5093.0	5108.1	5119.8	5131.4	5145.4	5157.0	5162.8	5171.0	5164.0	5160.5	5158.2
25°	5300.3	5310.8	5334.0	5355.0	5364.3	5367.8	5374.8	5386.5	5385.3	5377.1	5377.1
27.5°	5535.5	5555.3	5584.4	5614.7	5614.7	5603.1	5626.4	5646.2	5639.2	5628.7	5614.7
30°	5820.9	5839.5	5873.3	5915.2	5894.2	5886.1	5917.5	5953.6	5943.2	5925.7	5923.4
32.5°	6128.3	6145.8	6190.1	6235.5	6208.7	6197.0	6230.8	6283.2	6264.6	6229.7	6208.7
35°	6461.4	6478.9	6541.8	6596.5	6551.1	6531.3	6559.2	6616.3	6583.7	6518.5	6502.2
37.5°	6823.6	6832.9	6914.5	6970.4	6938.9	6886.5	6921.5	6963.4	6935.4	6856.2	6824.8
40°	7199.8	7233.6	7327.9	7393.1	7338.4	7255.7	7313.9	7372.2	7330.2	7228.9	7175.3
42.5°	7638.9	7664.5	7790.3	7848.5	7760.0	7643.5	7722.7	7801.9	7760.0	7662.2	7615.6
45°	8095.4	8135.0	8285.2	8343.5	8215.4	8067.5	8164.1	8302.7	8299.2	8158.3	8109.4
47.5°	8592.7	8632.3	8811.7	8888.5	8749.9	8551.9	8688.2	8883.9	8869.9	8715.0	8675.4
50°	9166.9	9208.8	9432.4	9529.1	9399.8	9169.2	9374.2	9546.5	9520.9	9329.9	9333.4
52.5°	9887.8	9885.5	10163.8	10331.5	10198.7	9994.9	10183.6	10351.3	10245.3	9981.0	9972.8
55°	10519.0	10557.5	10902.2	11220.1	11212.0	11134.0	11209.7	11216.6	10913.8	10562.1	10519.0
57.5°	10933.6	11007.0	11492.7	12068.0	12498.9	12602.6	12455.8	12010.9	11301.7	10739.1	10670.4
60°	10678.6	10790.4	11553.2	12726.0	13995.5	14604.6	13776.5	12396.4	11000.0	10216.2	10123.0
62.5°	8957.2	9145.9	10262.8	12408.1	15283.6	17064.3	14733.9	11778.0	9800.4	8720.8	8561.3
65°	5455.2	5654.3	7000.6	10212.7	15075.1	19011.6	14297.1	9776.0	7153.2	5810.4	5638.0
67.5°	1818.0	1876.2	2669.4	5645.0	11847.9	17081.8	11867.7	5852.3	3113.1	2063.7	2003.2
70°	711.6	717.4	846.7	1636.3	5594.9	11732.6	6173.8	1665.4	885.1	699.9	715.1
72.5°	522.9	525.3	561.4	683.6	1458.1	5168.7	1510.5	687.1	546.2	490.3	490.3
75°	420.4	420.4	446.1	498.5	653.4	1185.6	662.7	492.6	427.4	391.3	386.7
77.5°	331.9	338.9	358.7	392.5	442.6	570.7	458.9	390.2	344.7	311.0	304.0
80°	246.9	253.9	286.5	302.8	317.9	396.0	338.9	305.1	272.5	232.9	225.9
82.5°	161.9	168.9	209.6	219.0	215.5	258.5	228.3	224.8	200.3	150.2	143.3
85°	106.0	108.3	139.8	145.6	133.9	117.6	145.6	153.7	139.8	97.8	94.3
87.5°	50.1	50.1	71.0	66.4	60.6	48.9	66.4	78.0	79.2	47.8	46.6
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)