

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: P383495

Luminaire Tested: **GAN-SA8A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383495
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-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 35888.8 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

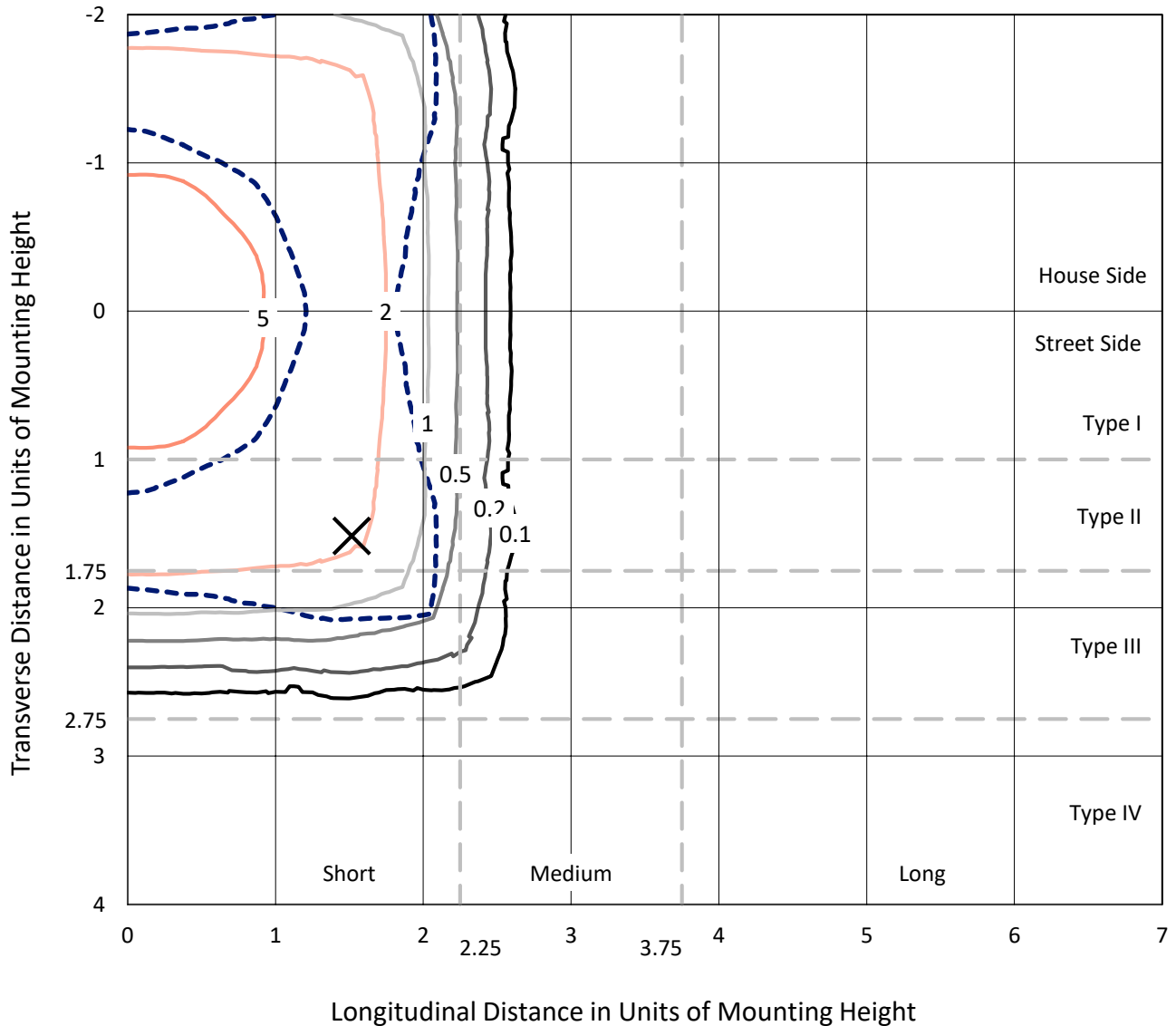
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

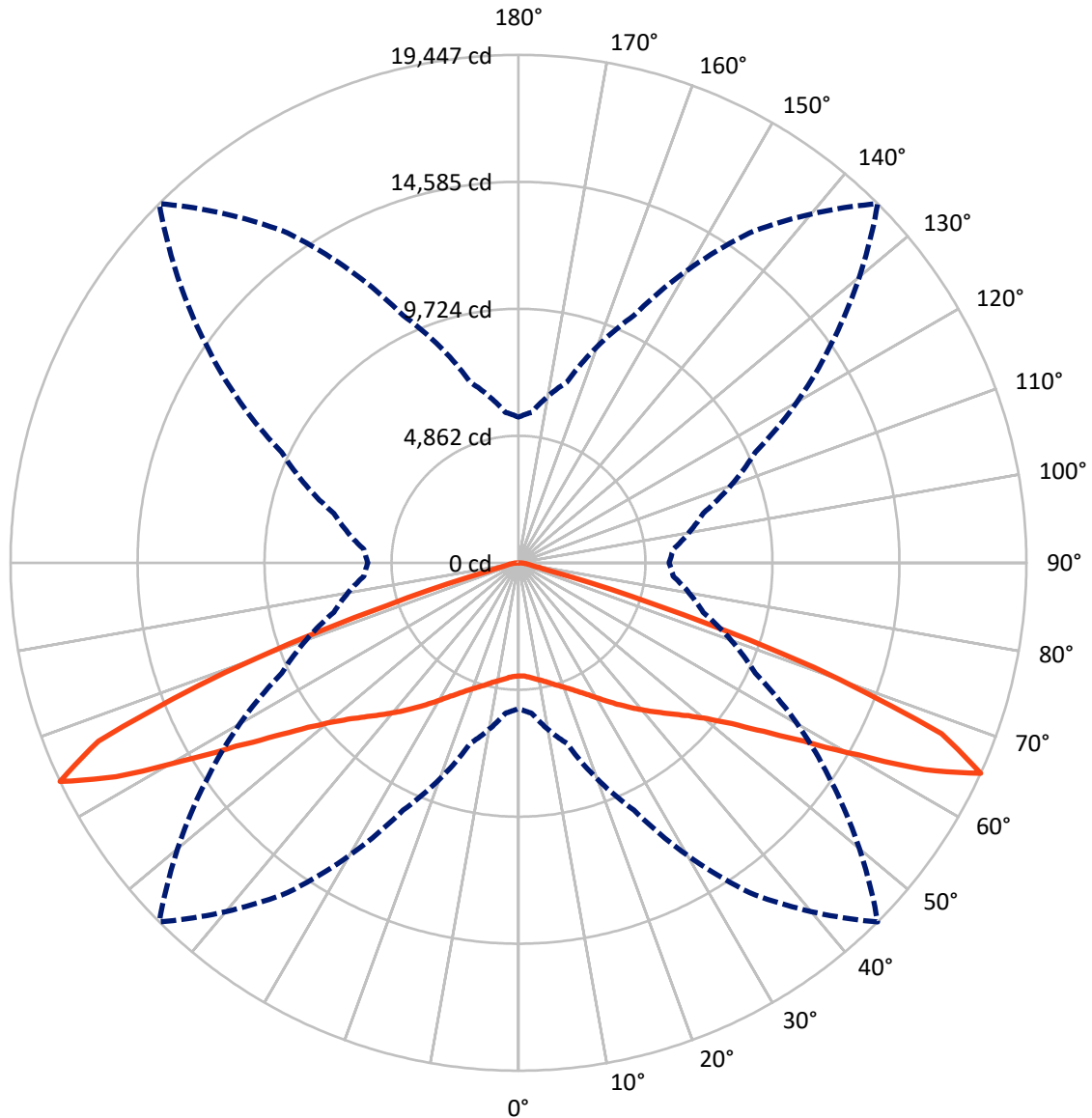
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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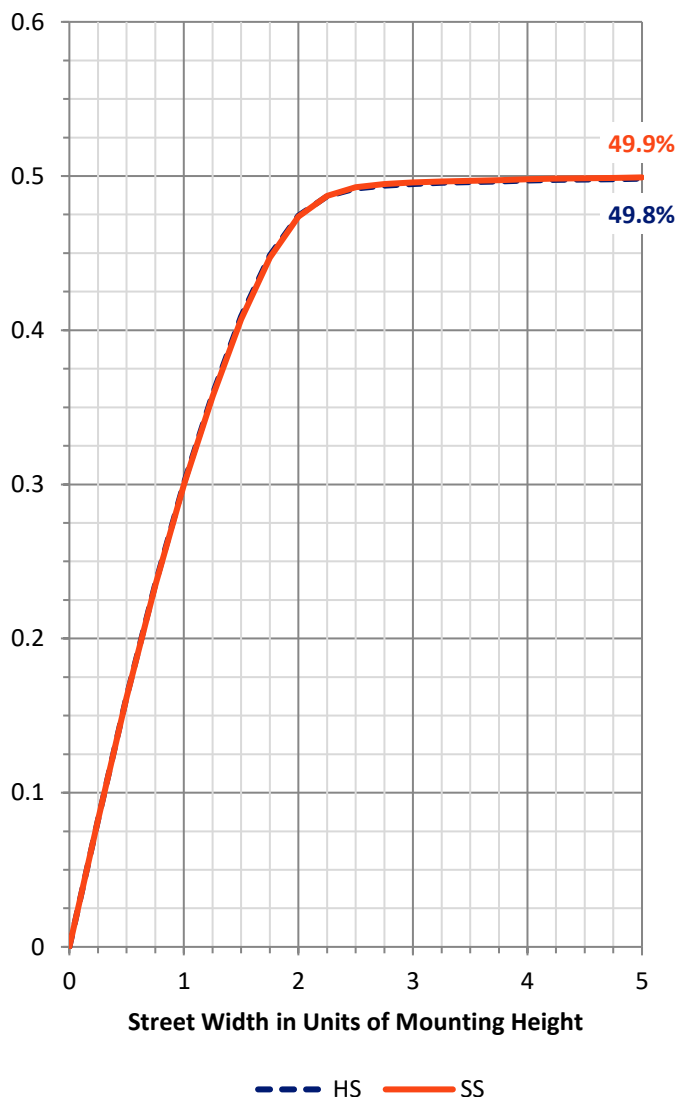
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17944.4	0.0	17944.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17944.4	0.0	17944.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	35888.8	0.0	35888.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.2	1.2
10°-20°	1366.8	3.8
20°-30°	2564.4	7.1
30°-40°	4240.9	11.8
40°-50°	6568.6	18.3
50°-60°	10074.4	28.1
60°-70°	9400.6	26.2
70°-80°	1094.1	3.0
80°-90°	153.7	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°	35888.8	100.0
0°-180°	35888.8	100.0

Coefficient of Utilization



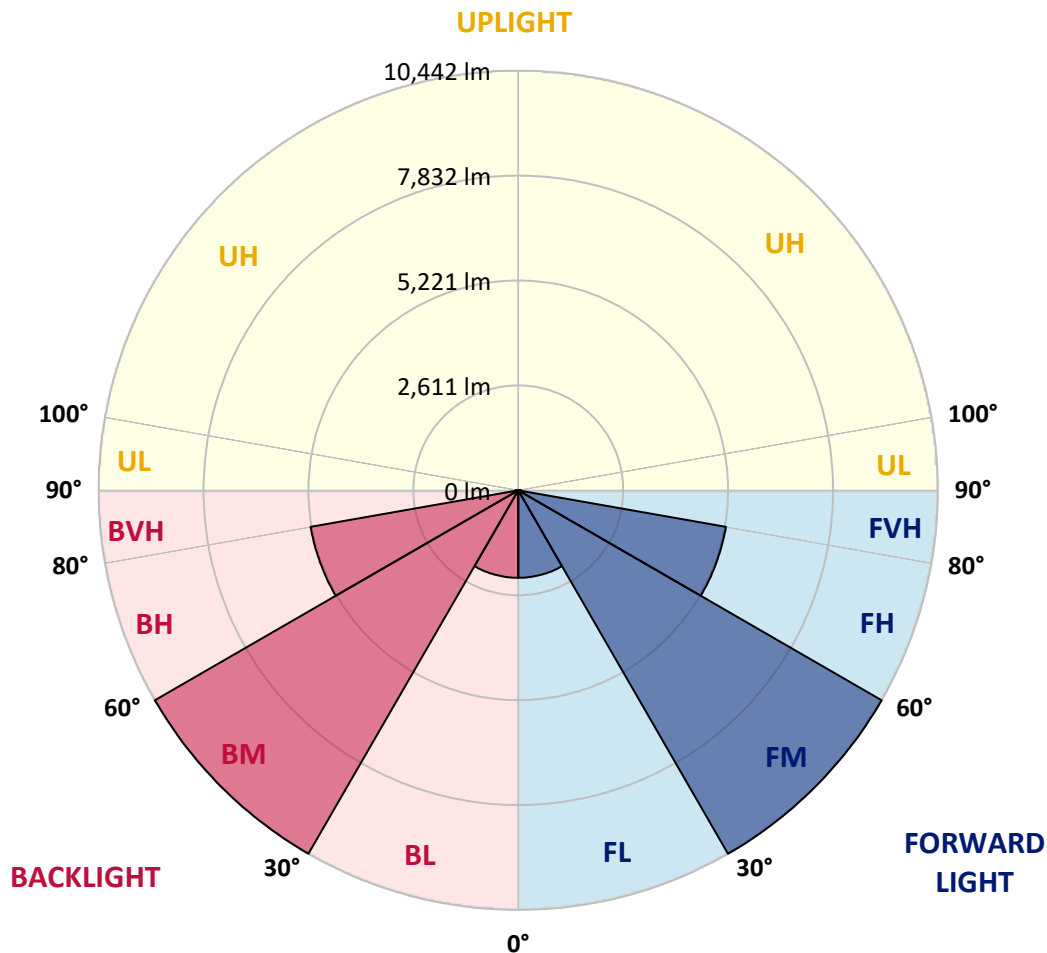
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2178.2	6.1			
FM (30°-60°)	10442.0	29.1			
FH (60°-80°)	5247.3	14.6			G3/7500
FVH (80°-90°)	76.9	0.2			G1/100
BL (0°-30°)	2178.2	6.1	B3/2500		
BM (30°-60°)	10442.0	29.1	B5		
BH (60°-80°)	5247.3	14.6	B5		G3/7500
BVH (80°-90°)	76.9	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°	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0	4334.0
2.5°	4348.3	4345.9	4348.3	4349.5	4342.4	4345.9	4344.7	4350.7	4353.1	4350.7	4350.7
5°	4398.4	4394.8	4399.5	4405.5	4396.0	4398.4	4394.8	4401.9	4404.4	4399.5	4403.1
7.5°	4467.4	4468.6	4473.4	4484.1	4478.1	4483.0	4475.8	4477.0	4475.8	4468.6	4469.8
10°	4542.5	4543.7	4552.0	4566.4	4568.7	4568.7	4563.9	4560.4	4555.6	4550.9	4552.0
12.5°	4633.1	4639.0	4645.0	4662.9	4662.9	4672.4	4669.9	4660.4	4652.1	4645.0	4645.0
15°	4755.7	4754.5	4761.7	4779.6	4787.9	4803.4	4803.4	4790.3	4779.6	4772.4	4770.1
17.5°	4884.4	4888.0	4892.8	4914.2	4927.3	4945.2	4947.5	4936.8	4929.7	4920.2	4914.2
20°	5034.5	5040.5	5059.5	5067.9	5079.8	5096.5	5102.5	5100.0	5092.9	5088.1	5089.3
22.5°	5209.7	5225.1	5237.1	5249.0	5263.2	5275.2	5281.1	5289.5	5282.3	5278.7	5276.4
25°	5421.7	5432.4	5456.3	5477.7	5487.2	5490.8	5498.0	5509.8	5508.7	5500.3	5500.3
27.5°	5662.3	5682.6	5712.3	5743.4	5743.4	5731.4	5755.3	5775.5	5768.4	5757.6	5743.4
30°	5954.3	5973.3	6007.8	6050.7	6029.3	6021.0	6053.1	6090.0	6079.3	6061.5	6059.1
32.5°	6268.8	6286.6	6331.9	6378.3	6350.9	6339.0	6373.6	6427.2	6408.1	6372.3	6350.9
35°	6609.4	6627.3	6691.7	6747.7	6701.2	6681.0	6709.6	6767.9	6734.5	6667.8	6651.2
37.5°	6980.0	6989.5	7072.9	7130.1	7097.9	7044.3	7080.0	7122.9	7094.3	7013.3	6981.1
40°	7364.7	7399.3	7495.8	7562.5	7506.5	7421.9	7481.5	7541.1	7498.2	7394.5	7339.8
42.5°	7813.9	7840.1	7968.7	8028.4	7937.8	7818.7	7899.6	7980.7	7937.8	7837.7	7790.1
45°	8280.9	8321.4	8475.0	8534.7	8403.6	8252.3	8351.1	8492.9	8489.4	8345.2	8295.2
47.5°	8789.5	8830.0	9013.6	9092.2	8950.4	8747.9	8887.2	9087.4	9073.1	8914.6	8874.1
50°	9376.9	9419.8	9648.5	9747.4	9615.2	9379.3	9589.0	9765.2	9739.1	9543.7	9547.2
52.5°	10114.3	10111.9	10396.6	10568.2	10432.4	10223.9	10416.9	10588.4	10480.1	10209.7	10201.3
55°	10760.0	10799.3	11151.9	11477.2	11468.8	11389.0	11466.5	11473.6	11163.9	10804.1	10760.0
57.5°	11184.2	11259.2	11755.9	12344.5	12785.3	12891.3	12741.1	12286.1	11560.6	10985.2	10914.9
60°	10923.2	11037.6	11817.9	13017.5	14316.1	14939.1	14092.2	12680.4	11252.1	10450.3	10355.0
62.5°	9162.4	9355.4	10497.9	12692.3	15633.7	17455.2	15071.4	12047.8	10024.9	8920.6	8757.4
65°	5580.2	5783.9	7161.0	10446.7	15420.5	19447.2	14624.6	10000.0	7317.1	5943.5	5767.2
67.5°	1859.6	1919.2	2730.6	5774.3	12119.3	17473.1	12139.6	5986.4	3184.4	2111.0	2049.0
70°	727.9	733.9	866.1	1673.8	5723.1	12001.4	6315.2	1703.6	905.4	716.0	731.5
72.5°	534.9	537.3	574.2	699.3	1491.5	5287.1	1545.2	702.9	558.7	501.5	501.5
75°	430.1	430.1	456.3	509.9	668.3	1212.8	677.9	504.0	437.2	400.3	395.5
77.5°	339.5	346.6	366.9	401.5	452.7	583.7	469.4	399.1	352.6	318.1	311.0
80°	252.5	259.7	293.1	309.7	325.2	405.0	346.6	312.2	278.8	238.3	231.1
82.5°	165.6	172.7	214.4	223.9	220.4	264.5	233.5	229.9	204.9	153.7	146.5
85°	108.4	110.8	143.0	149.0	137.0	120.4	149.0	157.2	143.0	100.0	96.5
87.5°	51.2	51.2	72.7	67.9	61.9	50.0	67.9	79.8	81.0	48.8	47.7
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)