

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: P383382

Luminaire Tested: **GAN-SA7A-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383382
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-SA7A-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32257.6 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

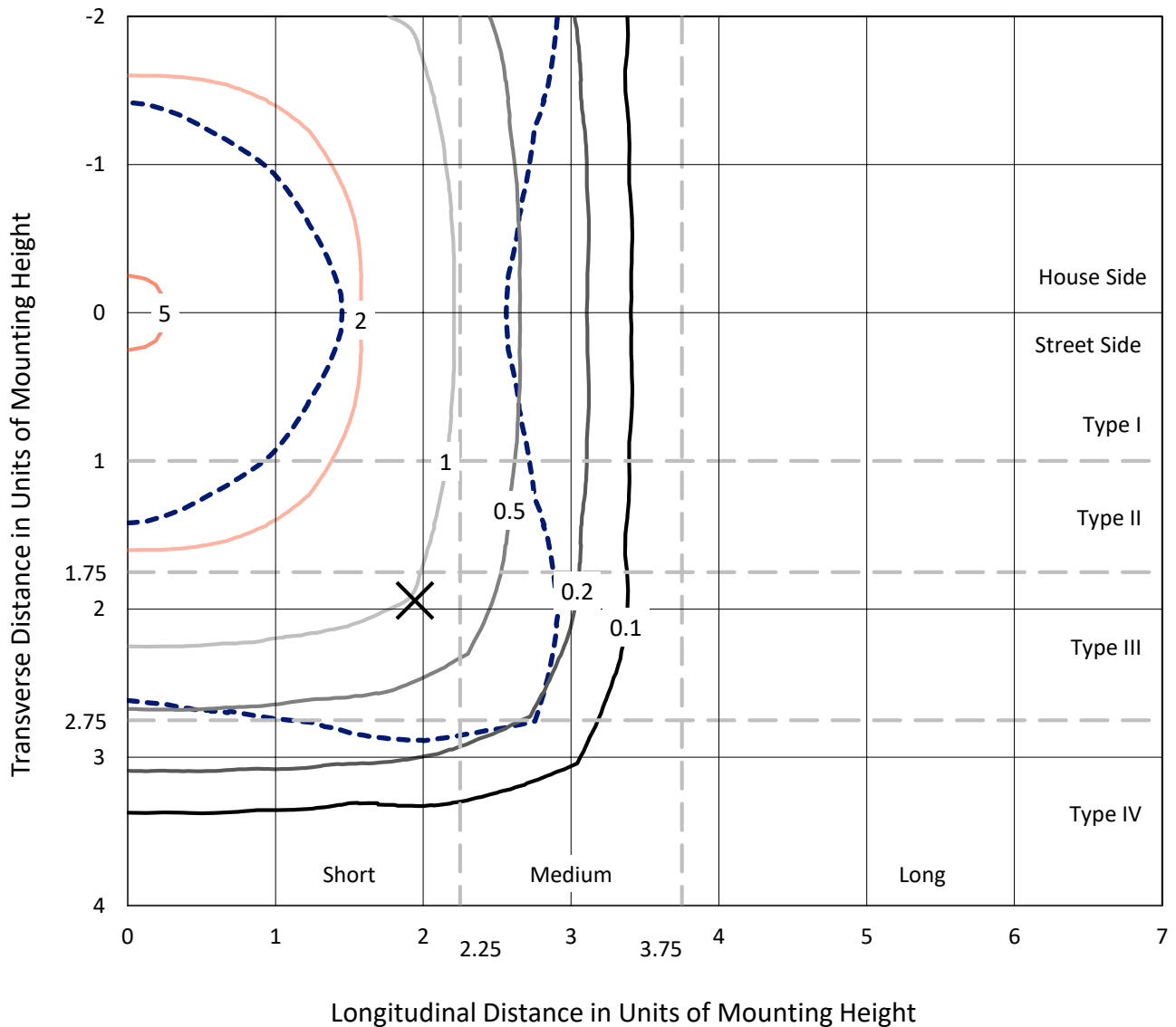
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

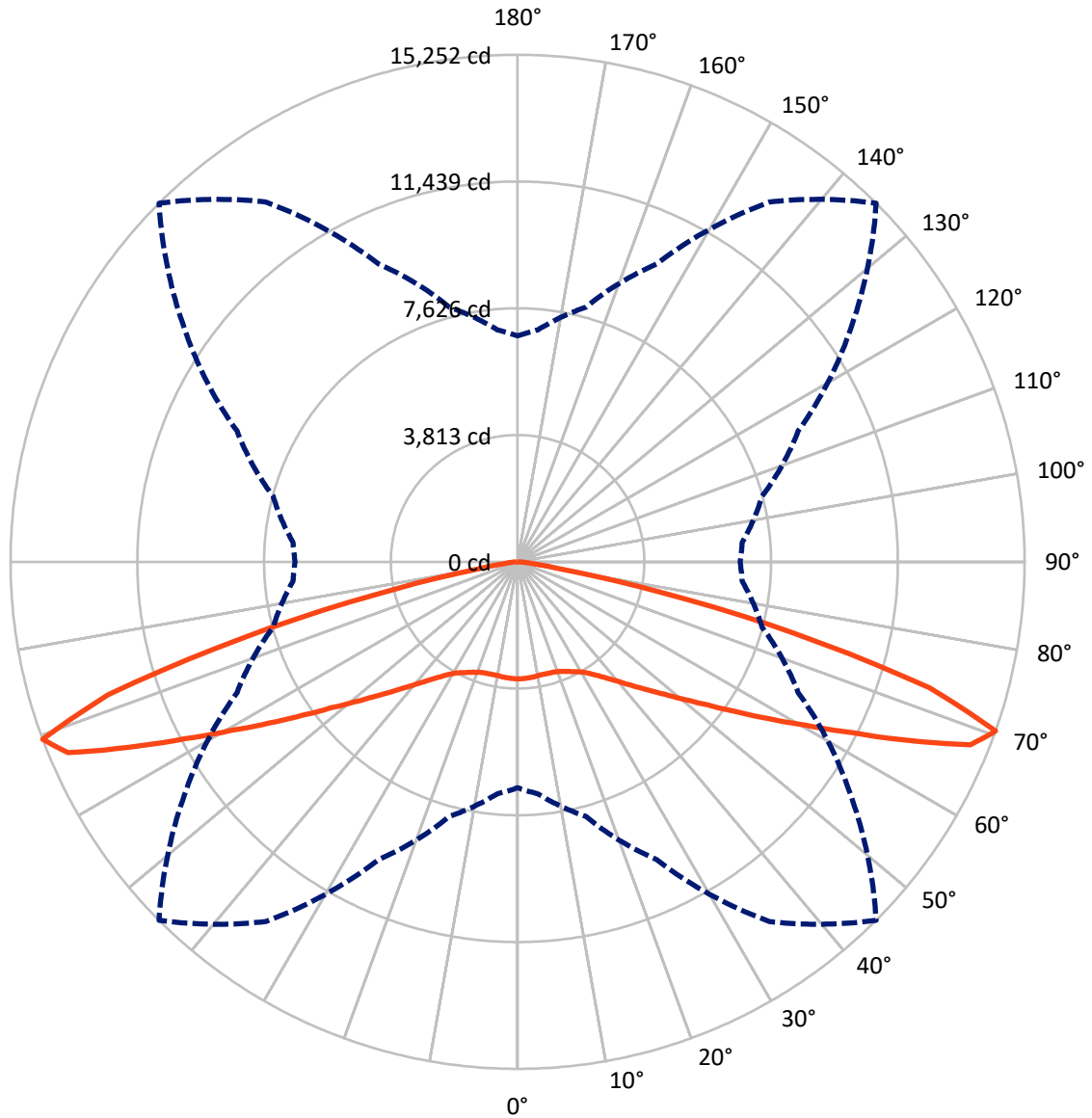
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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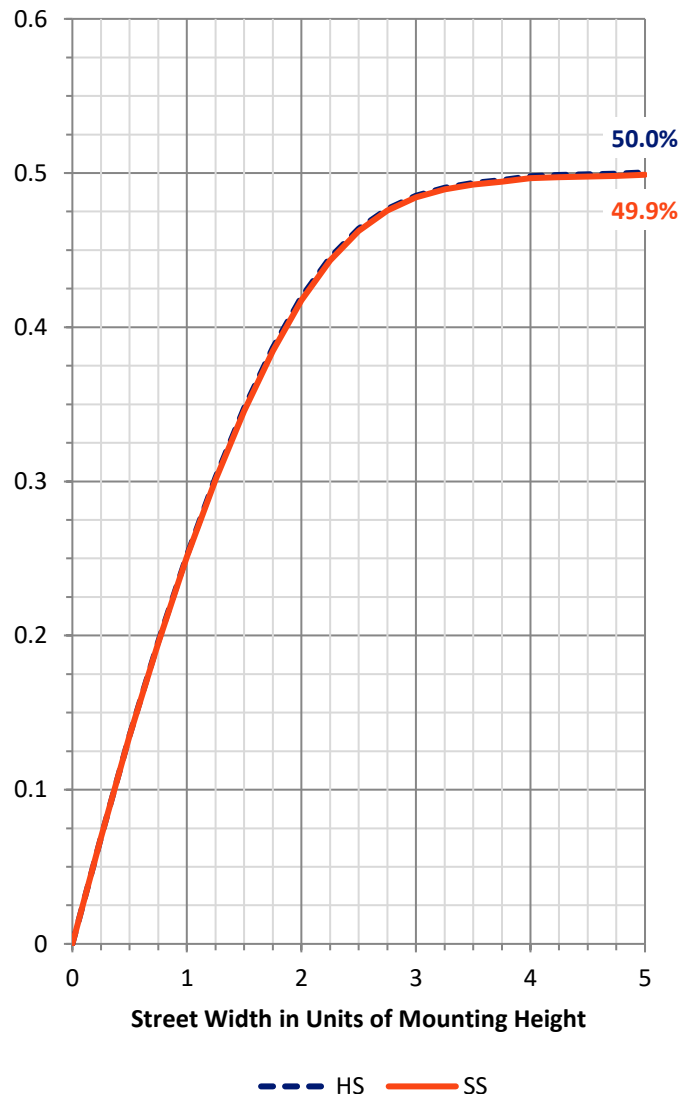
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16128.8	0.0	16128.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16128.8	0.0	16128.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	32257.6	0.0	32257.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.7	1.0
10°-20°	979.6	3.0
20°-30°	1667.5	5.2
30°-40°	2644.7	8.2
40°-50°	4303.7	13.3
50°-60°	7096.1	22.0
60°-70°	10417.3	32.3
70°-80°	4606.5	14.3
80°-90°	208.6	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°	32257.6	100.0
0°-180°	32257.6	100.0

Coefficient of Utilization

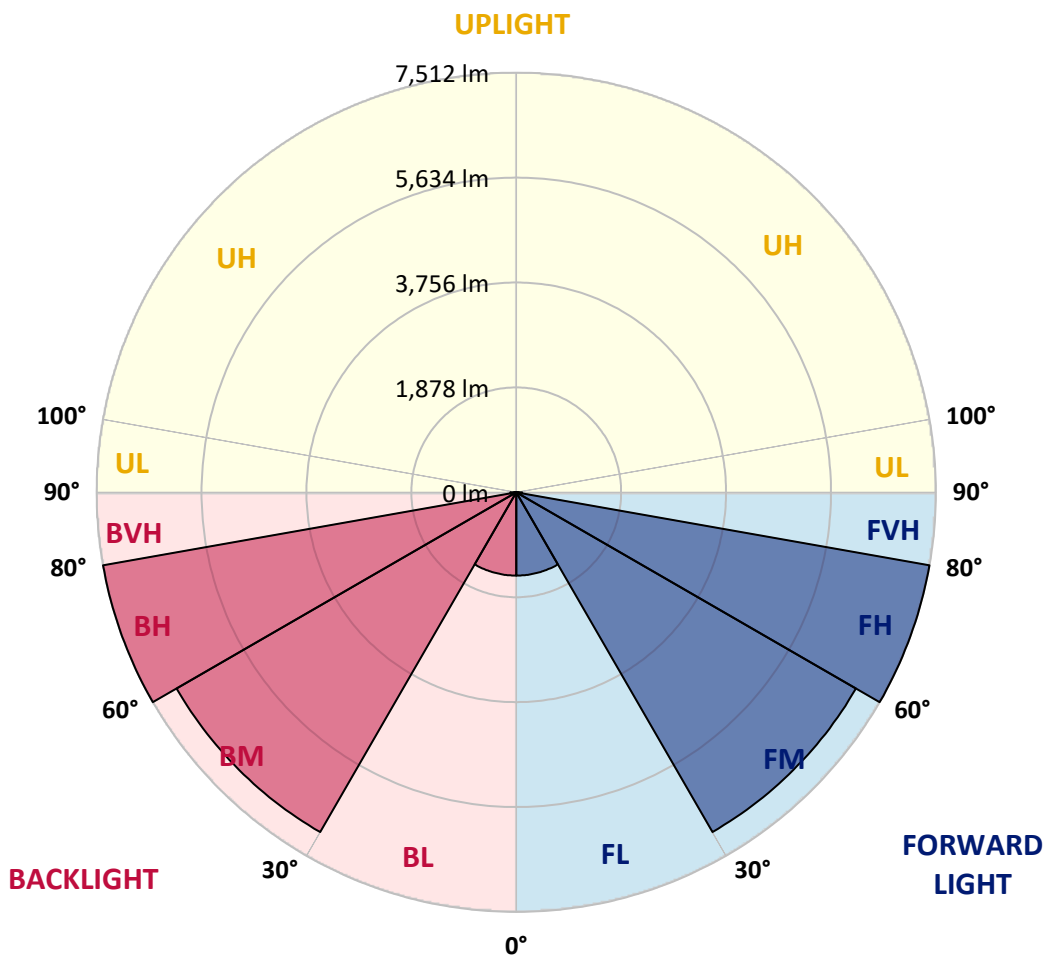


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1490.4	4.6			
FM (30°-60°)	7022.3	21.8			
FH (60°-80°)	7511.9	23.3			G4/12000
FVH (80°-90°)	104.3	0.3			G2/225
BL (0°-30°)	1490.4	4.6	B3/2500		
BM (30°-60°)	7022.3	21.8	B4/8500		
BH (60°-80°)	7511.9	23.3	B5		G4/12000
BVH (80°-90°)	104.3	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-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0	3523.0
2.5°	3517.7	3514.4	3522.0	3520.9	3514.4	3515.6	3515.6	3518.7	3518.7	3516.6	3516.6
5°	3504.9	3502.7	3511.3	3511.3	3504.9	3507.0	3509.1	3512.4	3511.3	3509.1	3508.1
7.5°	3488.8	3487.8	3496.4	3496.4	3492.1	3494.2	3492.1	3493.1	3491.0	3488.8	3485.7
10°	3462.2	3464.3	3471.8	3473.9	3473.9	3475.0	3472.9	3467.5	3464.3	3461.1	3457.9
12.5°	3437.6	3436.6	3447.2	3452.6	3461.1	3470.8	3464.3	3449.3	3443.0	3436.6	3434.4
15°	3421.6	3422.7	3433.3	3443.0	3457.9	3478.2	3470.8	3447.2	3434.4	3427.0	3424.8
17.5°	3418.4	3420.5	3434.4	3451.5	3467.5	3489.9	3485.7	3462.2	3440.9	3427.0	3423.7
20°	3425.9	3427.0	3448.3	3472.9	3500.6	3522.0	3512.4	3486.8	3457.9	3436.6	3431.3
22.5°	3439.7	3444.0	3470.8	3509.1	3551.9	3580.7	3568.9	3525.2	3480.4	3453.6	3446.2
25°	3483.5	3484.6	3520.9	3573.2	3624.5	3657.5	3643.7	3581.7	3524.1	3494.2	3484.6
27.5°	3574.3	3577.5	3613.8	3674.7	3718.4	3739.8	3731.2	3681.0	3631.9	3599.9	3603.1
30°	3705.6	3709.9	3750.4	3817.7	3844.4	3849.7	3847.6	3824.1	3779.3	3736.5	3739.8
32.5°	3865.7	3867.9	3922.3	3983.2	4004.5	4008.8	4004.5	3983.2	3929.8	3872.2	3875.3
35°	4071.8	4078.2	4130.5	4189.2	4206.3	4214.8	4207.3	4179.6	4124.1	4067.5	4065.4
37.5°	4325.8	4326.9	4381.3	4442.3	4463.6	4465.7	4457.2	4439.0	4369.6	4318.4	4315.2
40°	4620.5	4624.8	4688.9	4754.0	4762.5	4752.8	4764.7	4754.0	4682.4	4623.7	4633.3
42.5°	4979.2	4988.8	5065.7	5129.8	5105.2	5099.9	5107.3	5110.6	5052.9	4981.4	4974.9
45°	5396.6	5405.2	5501.3	5552.5	5536.5	5501.3	5516.3	5541.9	5461.8	5373.2	5381.7
47.5°	5872.8	5894.2	5996.7	6044.7	6005.1	5957.2	5985.9	6024.4	5930.4	5820.5	5815.2
50°	6402.3	6429.0	6565.6	6632.9	6593.4	6504.8	6552.9	6578.5	6442.9	6300.9	6289.2
52.5°	6967.0	6993.8	7165.7	7304.5	7278.8	7141.1	7208.3	7181.7	7025.8	6834.7	6819.8
55°	7606.6	7617.3	7803.0	8027.1	8052.8	7951.4	7947.1	7903.3	7672.8	7451.7	7441.1
57.5°	8264.2	8271.7	8511.8	8776.7	8897.3	8897.3	8777.7	8684.8	8378.4	8122.2	8095.5
60°	8974.2	9000.8	9266.7	9626.4	9908.3	9991.5	9780.1	9527.1	9194.1	8881.3	8850.3
62.5°	9606.1	9637.1	10043.9	10579.8	11032.4	11335.6	10818.9	10406.9	9800.4	9298.7	9239.9
65°	9686.2	9769.5	10362.0	11332.5	12345.6	12950.9	11960.1	10944.9	9839.9	9142.8	9083.1
67.5°	8846.0	8986.9	9787.7	11298.3	13391.8	14691.1	12689.4	10637.4	9131.0	8360.3	8294.0
70°	6797.3	7002.3	7925.8	9882.6	13211.4	15251.6	12232.4	9312.6	7613.0	6783.4	6690.6
72.5°	3729.1	3813.4	4644.0	6767.4	10591.5	12960.5	10203.0	6885.9	5048.6	4108.0	3952.2
75°	1182.9	1212.8	1635.5	2769.3	5991.3	8584.5	6481.3	3379.9	1860.8	1371.9	1355.9
77.5°	525.2	528.5	591.4	808.1	2063.7	4349.3	2478.9	920.3	634.1	554.1	572.2
80°	332.0	332.0	366.2	400.4	561.5	1263.0	670.4	437.7	373.6	347.0	354.5
82.5°	159.1	176.2	238.1	256.2	308.5	424.9	343.7	286.1	249.8	185.8	173.0
85°	104.6	87.6	150.5	169.7	179.3	203.9	199.6	188.9	163.3	92.9	103.6
87.5°	46.9	44.8	78.0	71.5	67.3	51.2	76.9	95.0	91.9	45.9	45.9
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)