

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: P316431

Luminaire Tested: **GAN-SA7A-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316431  
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-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 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: 31536 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

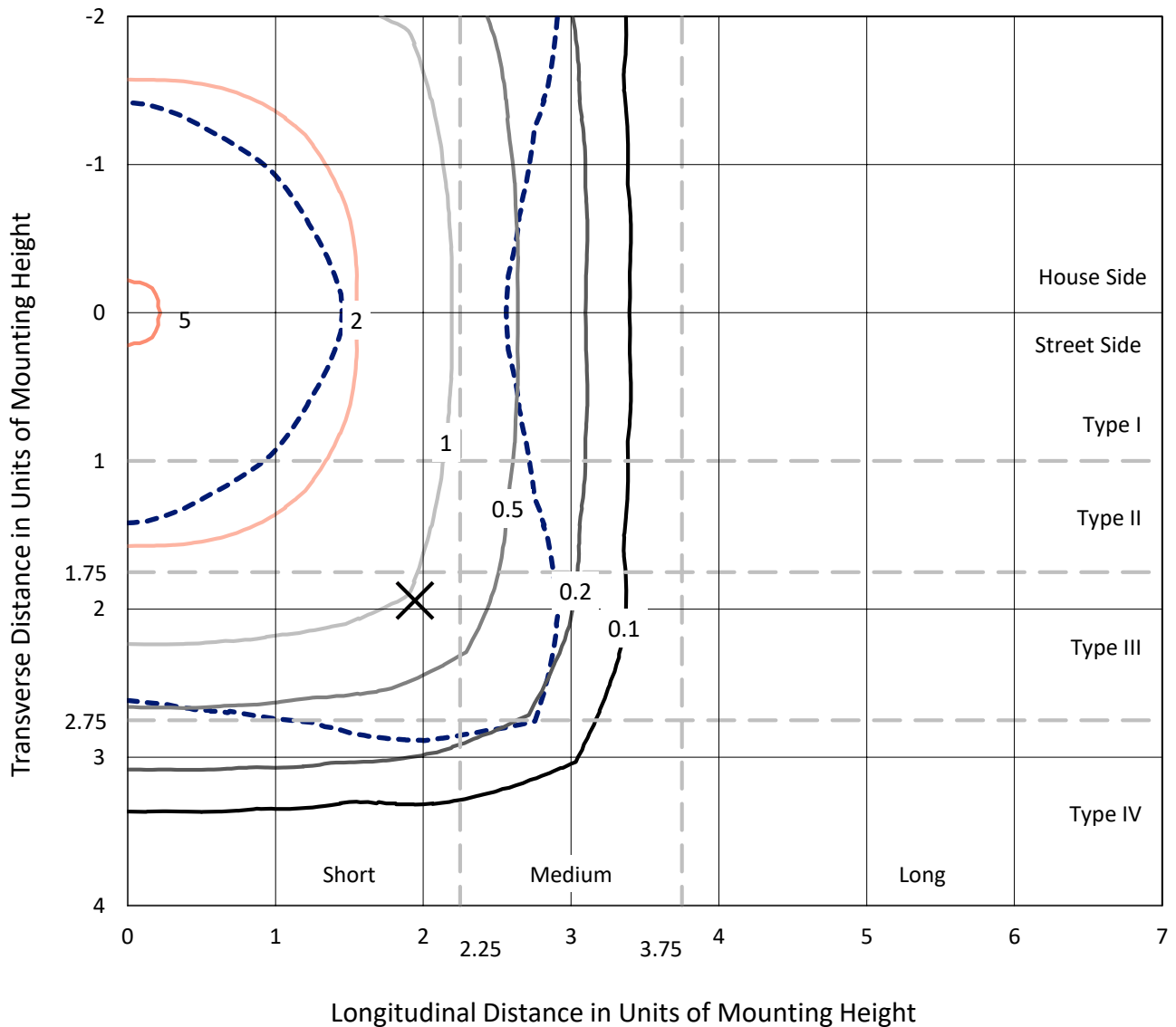
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

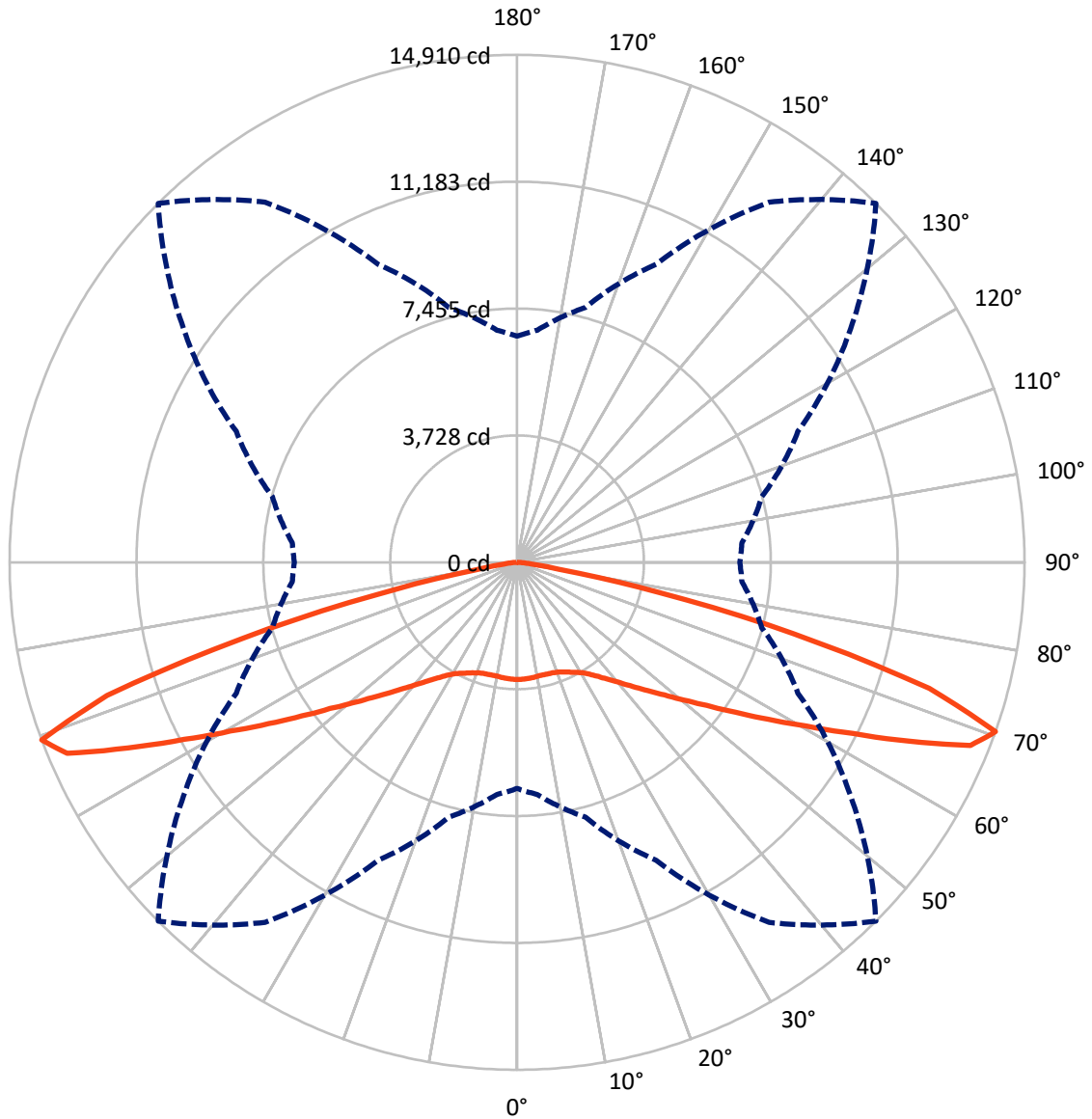
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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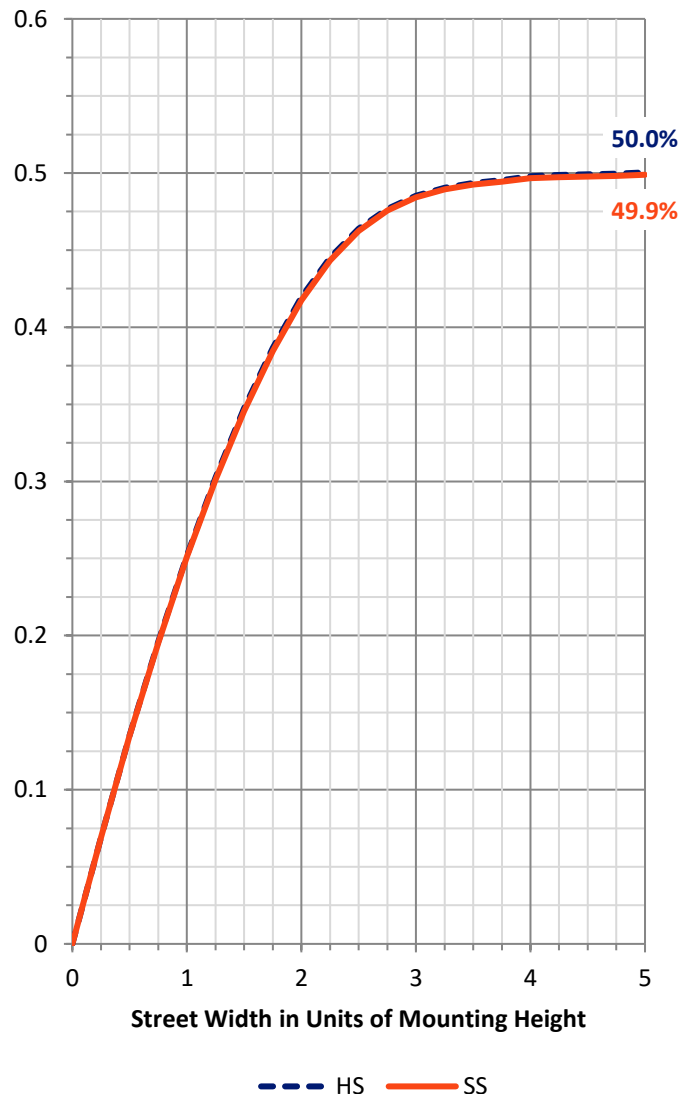
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15768.0	0.0	15768.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15768.0	0.0	15768.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31536.0	0.0	31536.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.2	1.0
10°-20°	957.6	3.0
20°-30°	1630.2	5.2
30°-40°	2585.5	8.2
40°-50°	4207.5	13.3
50°-60°	6937.3	22.0
60°-70°	10184.2	32.3
70°-80°	4503.4	14.3
80°-90°	203.9	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°	31536.0	100.0
0°-180°	31536.0	100.0

**Coefficient of Utilization**



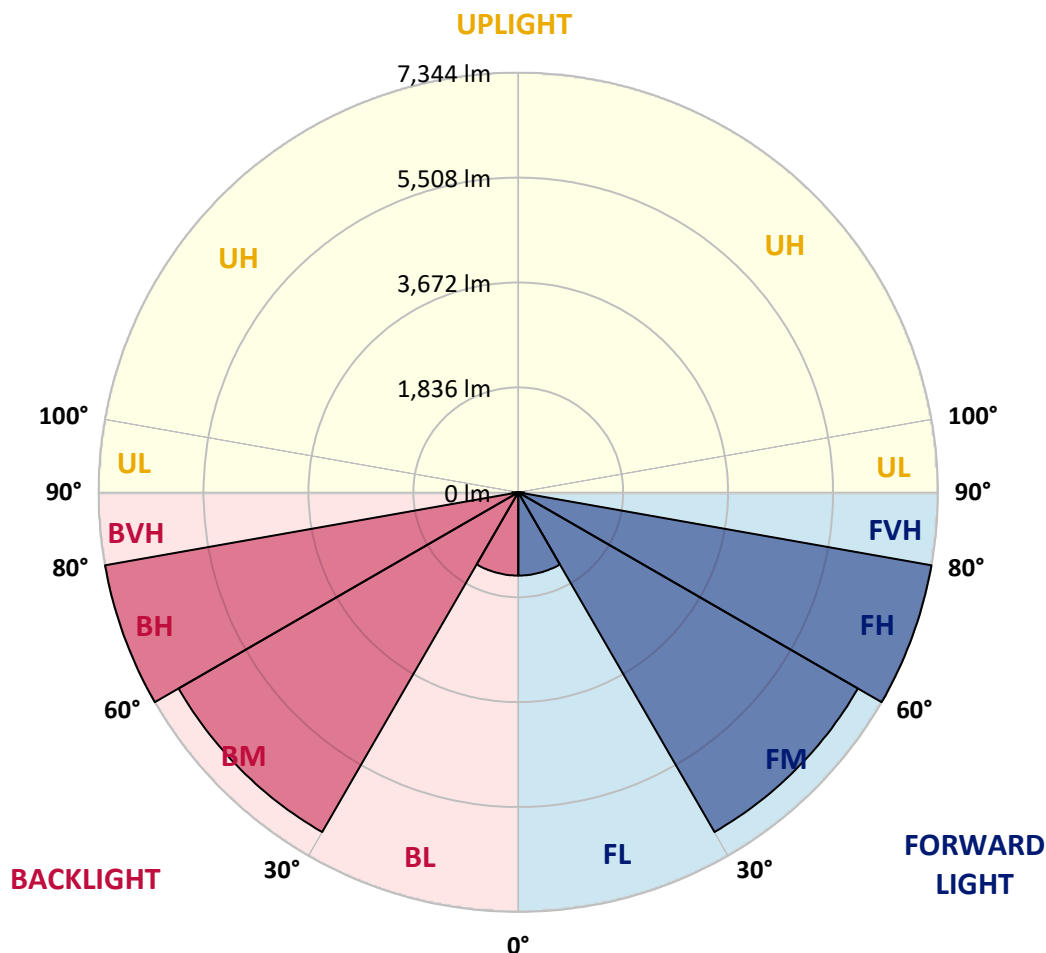
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 CATALOG NUMBER: GAN-SA7A-730-U-5MQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.0	4.6			
FM (30°-60°)	6865.2	21.8			
FH (60°-80°)	7343.8	23.3			G3/7500
FVH (80°-90°)	102.0	0.3			G2/225
BL (0°-30°)	1457.0	4.6	B3/2500		
BM (30°-60°)	6865.2	21.8	B4/8500		
BH (60°-80°)	7343.8	23.3	B5		G3/7500
BVH (80°-90°)	102.0	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2	3444.2
2.5°	3439.0	3435.9	3443.2	3442.1	3435.9	3436.9	3436.9	3440.0	3440.0	3438.0	3438.0
5°	3426.5	3424.4	3432.7	3432.7	3426.5	3428.6	3430.7	3433.8	3432.7	3430.7	3429.6
7.5°	3410.8	3409.8	3418.1	3418.1	3414.0	3416.0	3414.0	3415.0	3412.9	3410.8	3407.7
10°	3384.7	3386.8	3394.1	3396.2	3396.2	3397.3	3395.2	3389.9	3386.8	3383.7	3380.6
12.5°	3360.7	3359.7	3370.1	3375.3	3383.7	3393.1	3386.8	3372.2	3365.9	3359.7	3357.6
15°	3345.1	3346.1	3356.6	3365.9	3380.6	3400.4	3393.1	3370.1	3357.6	3350.3	3348.2
17.5°	3341.9	3344.0	3357.6	3374.3	3389.9	3411.9	3407.7	3384.7	3363.9	3350.3	3347.2
20°	3349.2	3350.3	3371.2	3395.2	3422.3	3443.2	3433.8	3408.7	3380.6	3359.7	3354.5
22.5°	3362.8	3367.0	3393.1	3430.7	3472.4	3500.6	3489.1	3446.3	3402.5	3376.4	3369.1
25°	3405.6	3406.6	3442.1	3493.3	3543.4	3575.7	3562.2	3501.6	3445.3	3416.0	3406.6
27.5°	3494.3	3497.5	3532.9	3592.4	3635.2	3656.1	3647.7	3598.7	3550.7	3519.4	3522.5
30°	3622.7	3626.9	3666.5	3732.3	3758.4	3763.6	3761.5	3738.5	3694.7	3653.0	3656.1
32.5°	3779.3	3781.3	3834.6	3894.1	3914.9	3919.1	3914.9	3894.1	3841.9	3785.5	3788.6
35°	3980.7	3986.9	4038.1	4095.5	4112.2	4120.5	4113.2	4086.1	4031.8	3976.5	3974.4
37.5°	4229.1	4230.1	4283.4	4342.9	4363.7	4365.8	4357.5	4339.7	4271.9	4221.8	4218.7
40°	4517.1	4521.3	4583.9	4647.6	4656.0	4646.6	4658.0	4647.6	4577.7	4520.3	4529.7
42.5°	4867.8	4877.2	4952.4	5015.0	4991.0	4985.8	4993.1	4996.2	4939.8	4869.9	4863.7
45°	5275.9	5284.3	5378.2	5428.3	5412.6	5378.2	5392.8	5417.9	5339.6	5253.0	5261.3
47.5°	5741.4	5762.3	5862.5	5909.4	5870.8	5823.9	5852.0	5889.6	5797.8	5690.3	5685.1
50°	6259.1	6285.2	6418.8	6484.5	6445.9	6359.3	6406.3	6431.3	6298.8	6159.9	6148.5
52.5°	6811.2	6837.3	7005.3	7141.0	7116.0	6981.3	7047.1	7021.0	6868.6	6681.8	6667.2
55°	7436.4	7446.8	7628.4	7847.6	7872.7	7773.5	7769.3	7726.5	7501.1	7285.1	7274.6
57.5°	8079.3	8086.6	8321.4	8580.3	8698.2	8698.2	8581.3	8490.5	8191.0	7940.5	7914.4
60°	8773.4	8799.5	9059.3	9411.1	9686.6	9768.0	9561.4	9314.0	8988.4	8682.6	8652.3
62.5°	9391.2	9421.5	9819.2	10343.1	10785.6	11082.0	10576.9	10174.0	9581.2	9090.7	9033.3
65°	9469.5	9550.9	10130.2	11078.9	12069.4	12661.2	11692.6	10700.0	9619.8	8938.3	8879.8
67.5°	8648.1	8785.9	9568.7	11045.5	13092.2	14362.4	12405.5	10399.5	8926.8	8173.2	8108.5
70°	6645.3	6845.7	7748.5	9661.6	12915.8	14910.3	11958.8	9104.2	7442.7	6631.7	6540.9
72.5°	3645.7	3728.1	4540.1	6616.0	10354.6	12670.6	9974.7	6731.9	4935.7	4016.2	3863.8
75°	1156.4	1185.6	1599.0	2707.4	5857.3	8392.4	6336.3	3304.4	1819.2	1341.2	1325.5
77.5°	513.5	516.6	578.2	790.1	2017.5	4252.0	2423.5	899.7	620.0	541.7	559.4
80°	324.6	324.6	358.0	391.4	549.0	1234.7	655.4	427.9	365.3	339.2	346.5
82.5°	155.5	172.2	232.7	250.5	301.6	415.4	336.1	279.7	244.2	181.6	169.1
85°	102.3	85.6	147.2	165.9	175.3	199.3	195.2	184.7	159.7	90.8	101.2
87.5°	45.9	43.8	76.2	69.9	65.8	50.1	75.1	92.9	89.8	44.9	44.9
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)