

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: P316449

Luminaire Tested: **GAN-SA5C-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316449  
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-SA5C-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33821 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

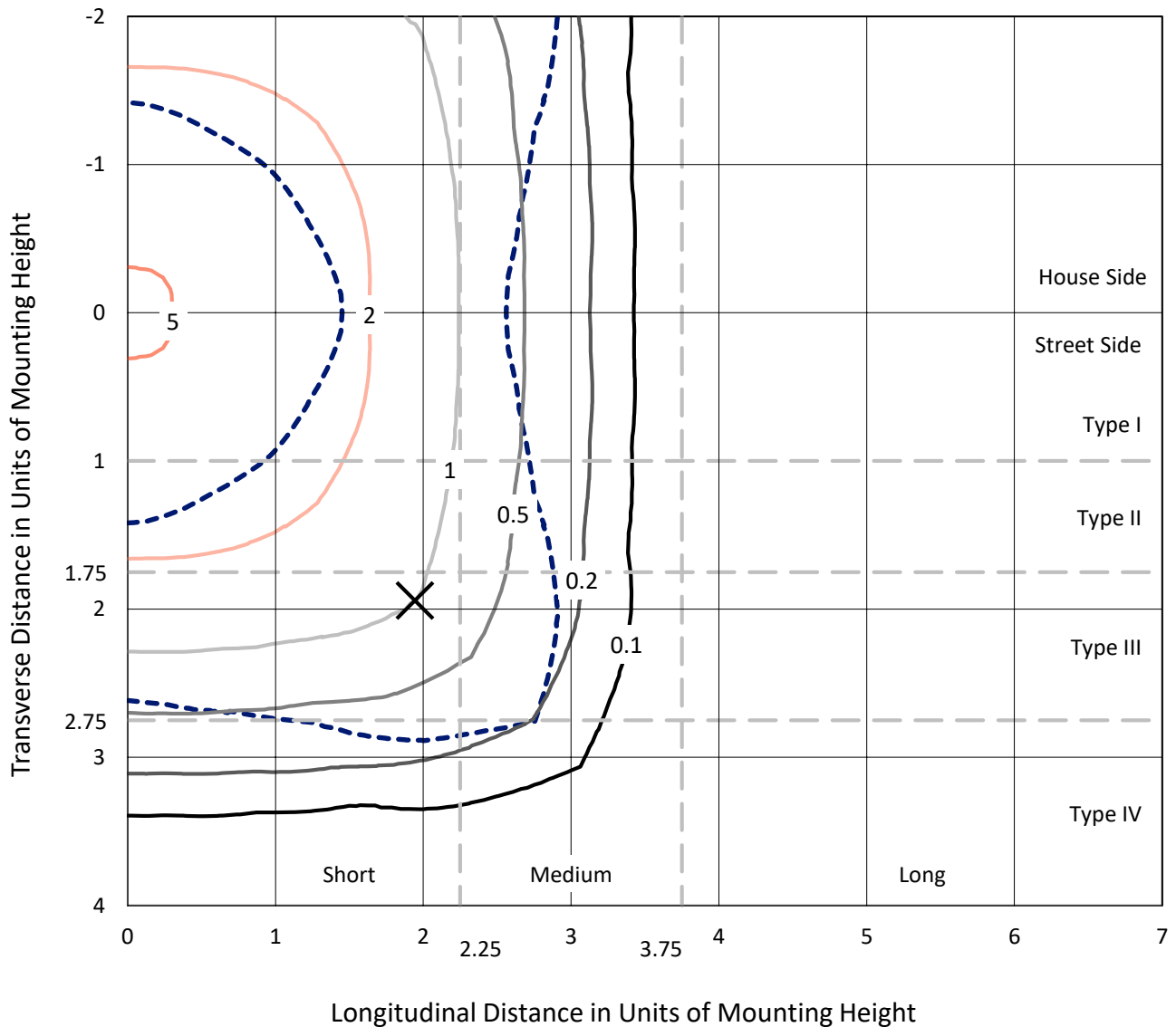
Input Watts (W): 279  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

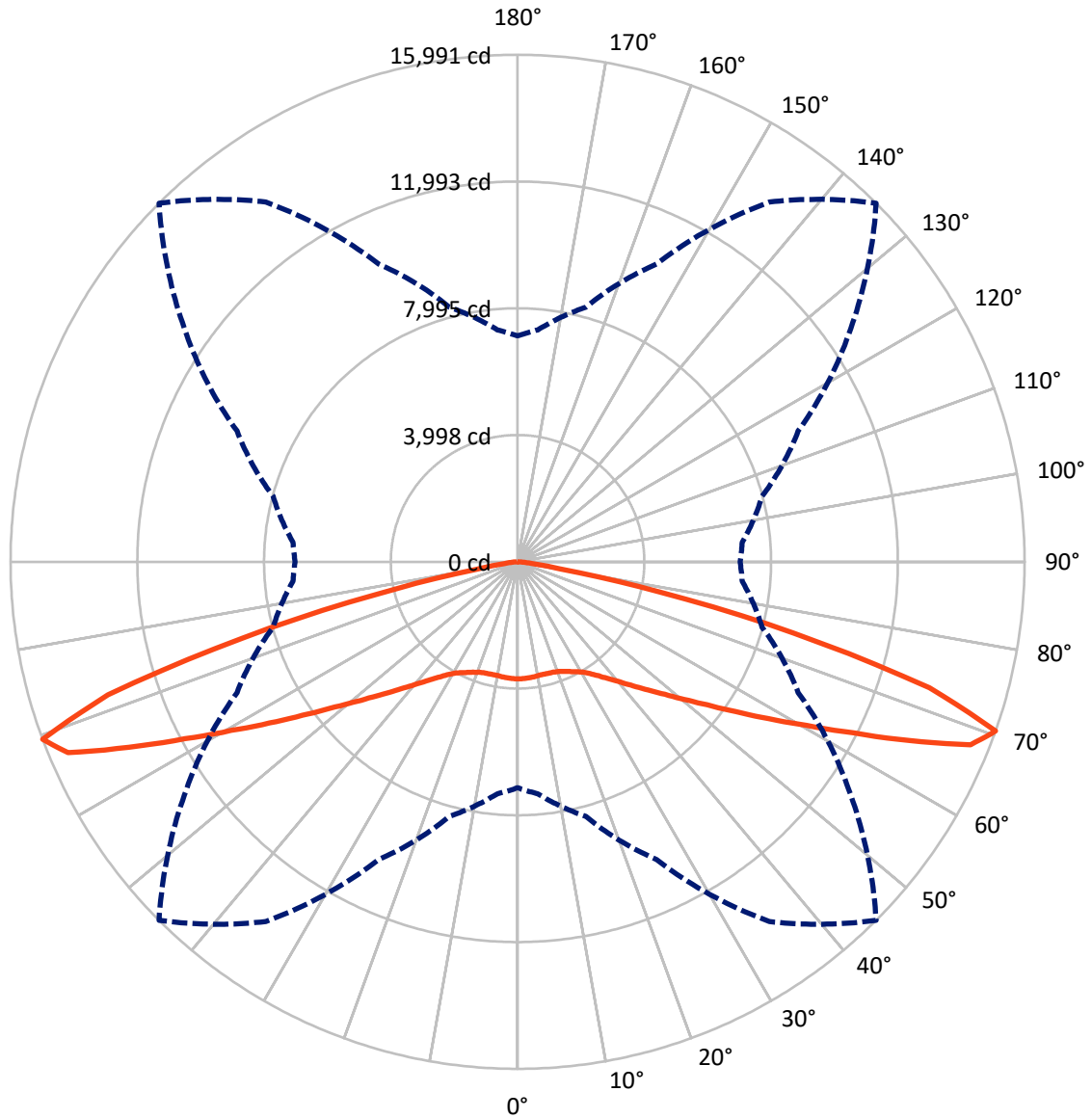
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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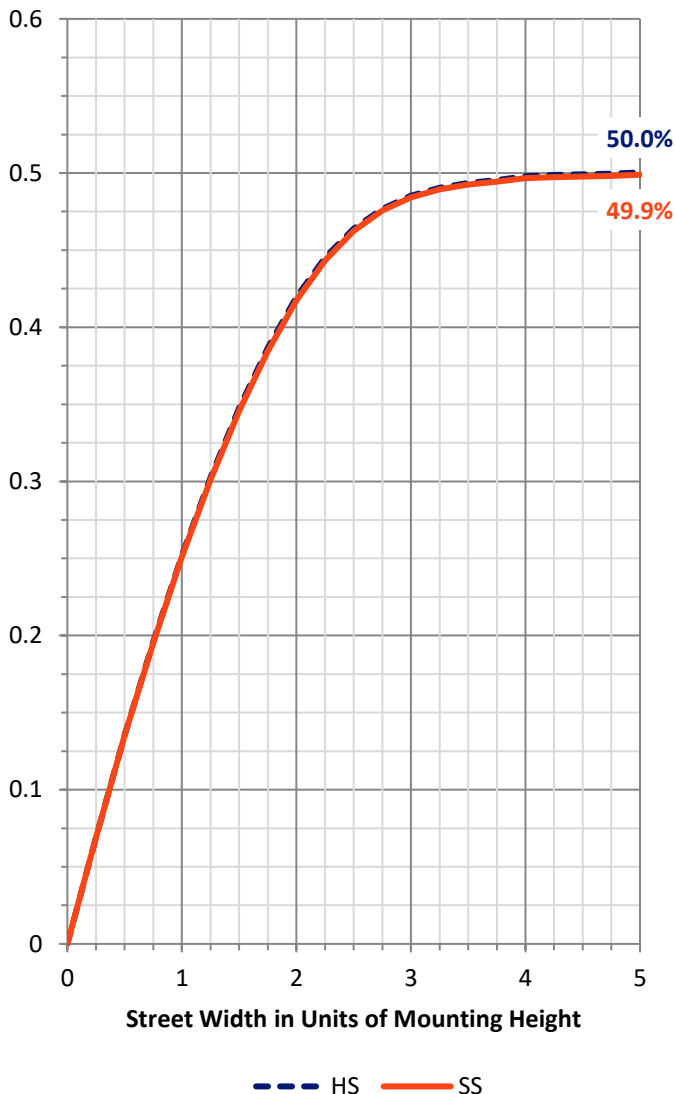
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16910.5	0.0	16910.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16910.5	0.0	16910.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33821.0	0.0	33821.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.8	1.0
10°-20°	1027.0	3.0
20°-30°	1748.4	5.2
30°-40°	2772.9	8.2
40°-50°	4512.3	13.3
50°-60°	7440.0	22.0
60°-70°	10922.1	32.3
70°-80°	4829.7	14.3
80°-90°	218.7	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°	33821.0	100.0
0°-180°	33821.0	100.0

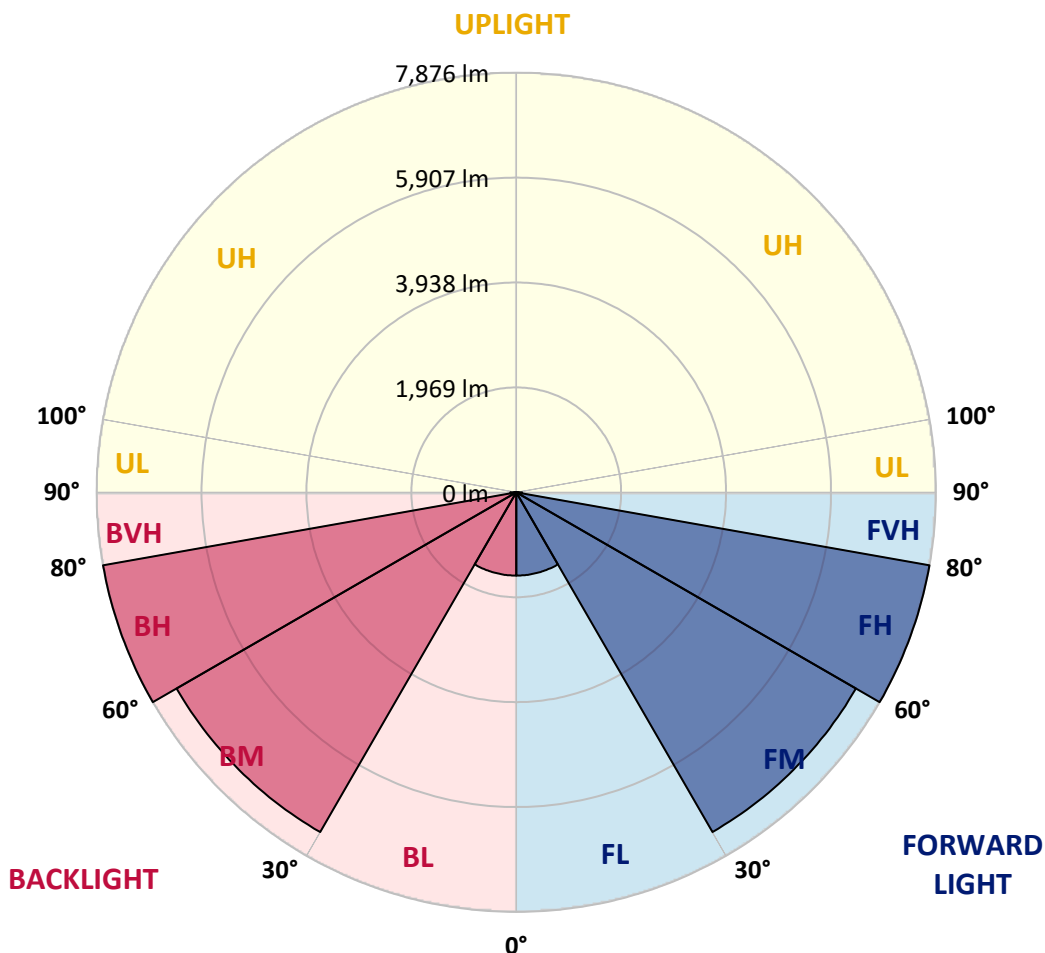


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1562.6	4.6			
FM (30°-60°)	7362.6	21.8			
FH (60°-80°)	7875.9	23.3			G4/12000
FVH (80°-90°)	109.4	0.3			G2/225
BL (0°-30°)	1562.6	4.6	B3/2500		
BM (30°-60°)	7362.6	21.8	B4/8500		
BH (60°-80°)	7875.9	23.3	B5		G4/12000
BVH (80°-90°)	109.4	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°	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8
2.5°	3688.2	3684.8	3692.7	3691.5	3684.8	3685.9	3685.9	3689.3	3689.3	3687.1	3687.1
5°	3674.8	3672.5	3681.5	3681.5	3674.8	3677.0	3679.2	3682.6	3681.5	3679.2	3678.1
7.5°	3658.0	3656.8	3665.8	3665.8	3661.3	3663.6	3661.3	3662.4	3660.2	3658.0	3654.6
10°	3630.0	3632.2	3640.1	3642.3	3642.3	3643.4	3641.2	3635.6	3632.2	3628.9	3625.5
12.5°	3604.2	3603.1	3614.3	3619.9	3628.9	3638.9	3632.2	3616.5	3609.8	3603.1	3600.9
15°	3587.4	3588.6	3599.8	3609.8	3625.5	3646.8	3638.9	3614.3	3600.9	3593.0	3590.8
17.5°	3584.1	3586.3	3600.9	3618.8	3635.6	3659.1	3654.6	3630.0	3607.6	3593.0	3589.7
20°	3591.9	3593.0	3615.4	3641.2	3670.3	3692.7	3682.6	3655.7	3625.5	3603.1	3597.5
22.5°	3606.5	3610.9	3638.9	3679.2	3724.0	3754.2	3741.9	3696.0	3649.0	3621.0	3613.2
25°	3652.4	3653.5	3691.5	3746.4	3800.1	3834.8	3820.3	3755.3	3694.9	3663.6	3653.5
27.5°	3747.5	3750.9	3788.9	3852.7	3898.6	3921.0	3912.0	3859.4	3808.0	3774.4	3777.7
30°	3885.2	3889.7	3932.2	4002.7	4030.7	4036.3	4034.1	4009.4	3962.4	3917.6	3921.0
32.5°	4053.1	4055.3	4112.4	4176.2	4198.6	4203.1	4198.6	4176.2	4120.2	4059.8	4063.2
35°	4269.1	4275.8	4330.7	4392.2	4410.1	4419.1	4411.3	4382.2	4324.0	4264.6	4262.4
37.5°	4535.5	4536.6	4593.7	4657.5	4679.9	4682.1	4673.2	4654.2	4581.4	4527.7	4524.3
40°	4844.4	4848.9	4916.1	4984.4	4993.3	4983.2	4995.6	4984.4	4909.4	4847.8	4857.9
42.5°	5220.5	5230.6	5311.2	5378.4	5352.6	5347.0	5354.9	5358.2	5297.8	5222.8	5216.1
45°	5658.2	5667.2	5767.9	5821.6	5804.8	5767.9	5783.6	5810.4	5726.5	5633.6	5642.5
47.5°	6157.4	6179.8	6287.3	6337.6	6296.2	6245.8	6276.1	6316.4	6217.9	6102.6	6097.0
50°	6712.6	6740.6	6883.9	6954.4	6913.0	6820.1	6870.4	6897.3	6755.1	6606.3	6594.0
52.5°	7304.7	7332.7	7512.9	7658.4	7631.6	7487.2	7557.7	7529.7	7366.3	7165.9	7150.3
55°	7975.2	7986.4	8181.2	8416.2	8443.1	8336.7	8332.3	8286.4	8044.6	7812.9	7801.7
57.5°	8664.7	8672.5	8924.4	9202.0	9328.5	9328.5	9203.1	9105.7	8784.5	8515.8	8487.9
60°	9409.1	9437.0	9715.8	10093.0	10388.5	10475.8	10254.2	9988.9	9639.6	9311.7	9279.2
62.5°	10071.7	10104.2	10530.6	11092.5	11567.1	11885.0	11343.3	10911.2	10275.4	9749.3	9687.8
65°	10155.7	10243.0	10864.2	11881.7	12943.9	13578.6	12539.8	11475.3	10316.8	9585.9	9523.2
67.5°	9274.7	9422.5	10262.0	11845.8	14040.8	15403.1	13304.3	11153.0	9573.6	8765.5	8696.1
70°	7126.8	7341.7	8309.9	10361.6	13851.7	15990.7	12825.3	9763.9	7981.9	7112.2	7014.8
72.5°	3909.8	3998.2	4869.1	7095.4	11104.8	13588.6	10697.4	7219.7	5293.3	4307.2	4143.7
75°	1240.2	1271.6	1714.8	2903.5	6281.7	9000.5	6795.4	3543.8	1951.0	1438.3	1421.5
77.5°	550.7	554.1	620.1	847.3	2163.7	4560.1	2599.1	964.9	664.9	580.9	600.0
80°	348.1	348.1	383.9	419.7	588.8	1324.2	702.9	458.9	391.8	363.8	371.6
82.5°	166.8	184.7	249.6	268.6	323.5	445.5	360.4	300.0	261.9	194.8	181.3
85°	109.7	91.8	157.8	178.0	188.0	213.8	209.3	198.1	171.3	97.4	108.6
87.5°	49.3	47.0	81.7	75.0	70.5	53.7	80.6	99.6	96.3	48.1	48.1
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)