

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: P316451

Luminaire Tested: **GAN-SA7C-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316451  
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-SA7C-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 47861 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

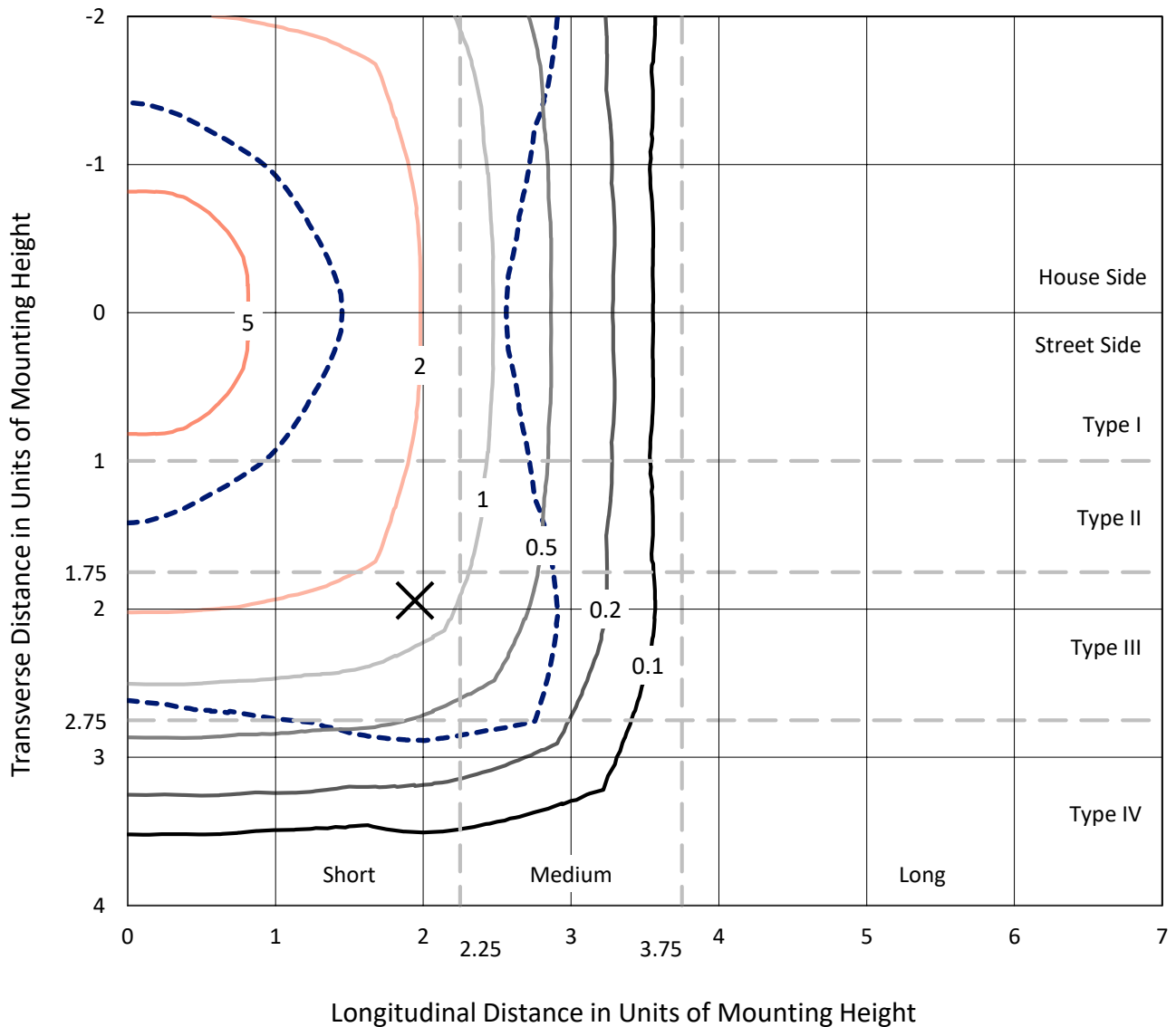
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

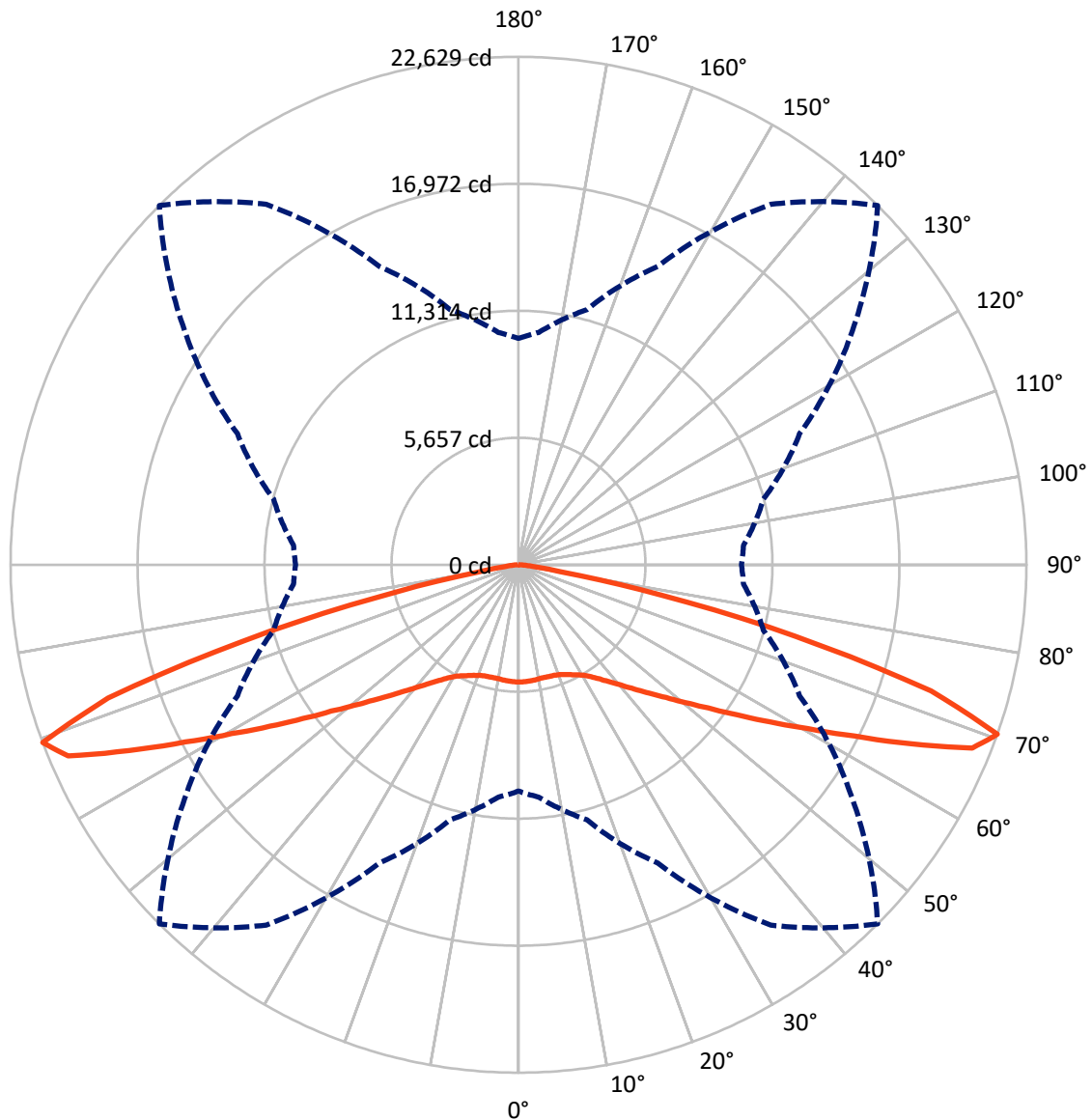
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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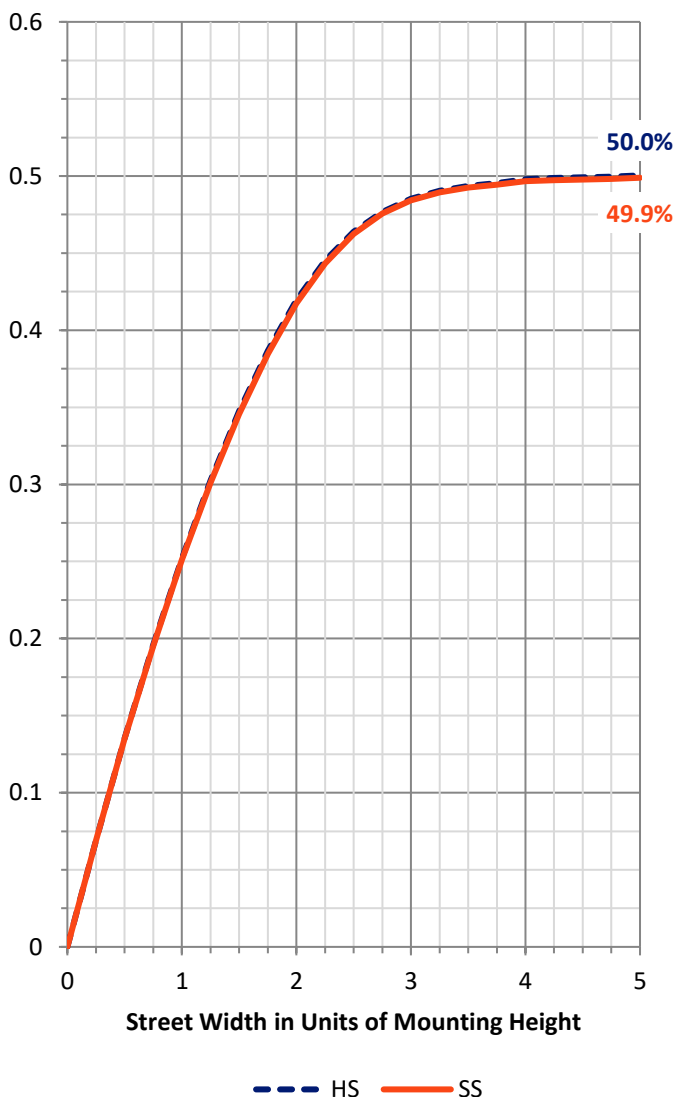
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23930.5	0.0	23930.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23930.5	0.0	23930.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47861.0	0.0	47861.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.1	1.0
10°-20°	1453.4	3.0
20°-30°	2474.1	5.2
30°-40°	3924.0	8.2
40°-50°	6385.5	13.3
50°-60°	10528.5	22.0
60°-70°	15456.2	32.3
70°-80°	6834.7	14.3
80°-90°	309.5	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°	47861.0	100.0
0°-180°	47861.0	100.0

**Coefficient of Utilization**

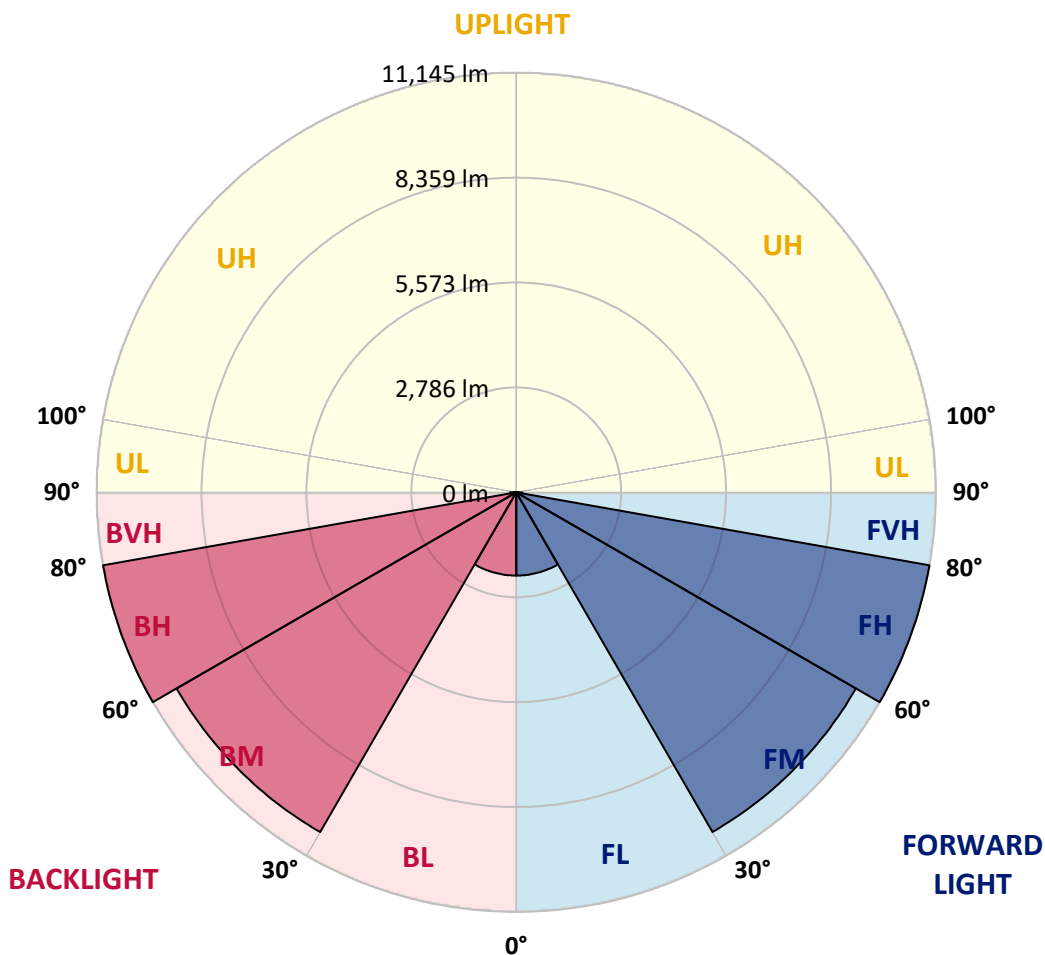


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.3	4.6			
FM (30°-60°)	10419.0	21.8			
FH (60°-80°)	11145.4	23.3			G4/12000
FVH (80°-90°)	154.8	0.3			G2/225
BL (0°-30°)	2211.3	4.6	B3/2500		
BM (30°-60°)	10419.0	21.8	B5		
BH (60°-80°)	11145.4	23.3	B5		G4/12000
BVH (80°-90°)	154.8	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°	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2	5227.2
2.5°	5219.2	5214.5	5225.6	5224.0	5214.5	5216.1	5216.1	5220.8	5220.8	5217.7	5217.7
5°	5200.2	5197.1	5209.7	5209.7	5200.2	5203.4	5206.6	5211.3	5209.7	5206.6	5205.0
7.5°	5176.5	5174.9	5187.6	5187.6	5181.2	5184.4	5181.2	5182.8	5179.6	5176.5	5171.7
10°	5136.9	5140.0	5151.1	5154.3	5154.3	5155.9	5152.7	5144.8	5140.0	5135.3	5130.5
12.5°	5100.4	5098.9	5114.7	5122.6	5135.3	5149.6	5140.0	5117.9	5108.4	5098.9	5095.7
15°	5076.7	5078.3	5094.1	5108.4	5130.5	5160.6	5149.6	5114.7	5095.7	5084.6	5081.4
17.5°	5071.9	5075.1	5095.7	5121.0	5144.8	5178.1	5171.7	5136.9	5105.2	5084.6	5079.9
20°	5083.0	5084.6	5116.3	5152.7	5193.9	5225.6	5211.3	5173.3	5130.5	5098.9	5090.9
22.5°	5103.6	5110.0	5149.6	5206.6	5269.9	5312.7	5295.3	5230.3	5163.8	5124.2	5113.1
25°	5168.6	5170.1	5224.0	5301.6	5377.6	5426.7	5406.2	5314.3	5228.8	5184.4	5170.1
27.5°	5303.2	5307.9	5361.8	5452.1	5517.0	5548.7	5536.0	5461.6	5388.7	5341.2	5346.0
30°	5498.0	5504.4	5564.6	5664.3	5703.9	5711.9	5708.7	5673.9	5607.3	5544.0	5548.7
32.5°	5735.6	5738.8	5819.6	5909.9	5941.5	5947.9	5941.5	5909.9	5830.7	5745.1	5749.9
35°	6041.3	6050.8	6128.5	6215.6	6240.9	6253.6	6242.5	6201.3	6119.0	6035.0	6031.8
37.5°	6418.3	6419.9	6500.7	6591.0	6622.7	6625.8	6613.2	6586.2	6483.3	6407.2	6402.5
40°	6855.5	6861.8	6956.9	7053.5	7066.2	7051.9	7069.3	7053.5	6947.4	6860.3	6874.5
42.5°	7387.7	7402.0	7516.0	7611.1	7574.6	7566.7	7577.8	7582.6	7497.0	7390.9	7381.4
45°	8007.1	8019.7	8162.3	8238.3	8214.6	8162.3	8184.5	8222.5	8103.7	7972.2	7984.9
47.5°	8713.5	8745.2	8897.3	8968.5	8909.9	8838.7	8881.4	8938.5	8799.1	8635.9	8628.0
50°	9499.2	9538.8	9741.5	9841.3	9782.7	9651.2	9722.5	9760.5	9559.4	9348.7	9331.3
52.5°	10337.1	10376.7	10631.7	10837.7	10799.6	10595.3	10695.1	10655.5	10424.2	10140.7	10118.5
55°	11285.9	11301.8	11577.4	11910.0	11948.0	11797.6	11791.2	11726.3	11384.1	11056.2	11040.4
57.5°	12261.7	12272.8	12629.1	13022.0	13201.0	13201.0	13023.6	12885.8	12431.2	12051.0	12011.4
60°	13315.0	13354.6	13749.0	14282.8	14701.0	14824.6	14510.9	14135.5	13641.3	13177.2	13131.3
62.5°	14252.7	14298.7	14902.2	15697.3	16368.9	16818.8	16052.2	15440.7	14541.0	13796.6	13709.4
65°	14371.5	14495.1	15374.2	16814.1	18317.3	19215.4	17745.4	16239.1	14599.6	13565.3	13476.6
67.5°	13124.9	13334.0	14522.0	16763.4	19869.6	21797.3	18827.3	15782.9	13547.9	12404.2	12306.0
70°	10085.3	10389.4	11759.5	14663.0	19601.9	22628.9	18149.4	13817.1	11295.4	10064.7	9926.9
72.5°	5532.9	5658.0	6890.4	10040.9	15714.8	19229.6	15138.2	10216.7	7490.7	6095.2	5863.9
75°	1755.1	1799.4	2426.7	4108.9	8889.4	12736.9	9616.4	5014.9	2760.9	2035.4	2011.7
77.5°	779.3	784.1	877.5	1199.1	3061.9	6453.2	3678.0	1365.4	940.9	822.1	849.0
80°	492.6	492.6	543.3	594.0	833.2	1873.9	994.7	649.4	554.4	514.8	525.9
82.5°	236.0	261.4	353.2	380.2	457.8	630.4	510.0	424.5	370.7	275.6	256.6
85°	155.2	129.9	223.3	251.9	266.1	302.5	296.2	280.4	242.4	137.8	153.6
87.5°	69.7	66.5	115.6	106.1	99.8	76.0	114.0	141.0	136.2	68.1	68.1
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)