

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: P316441

Luminaire Tested: **GAN-SA7B-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316441  
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-SA7B-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38670 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

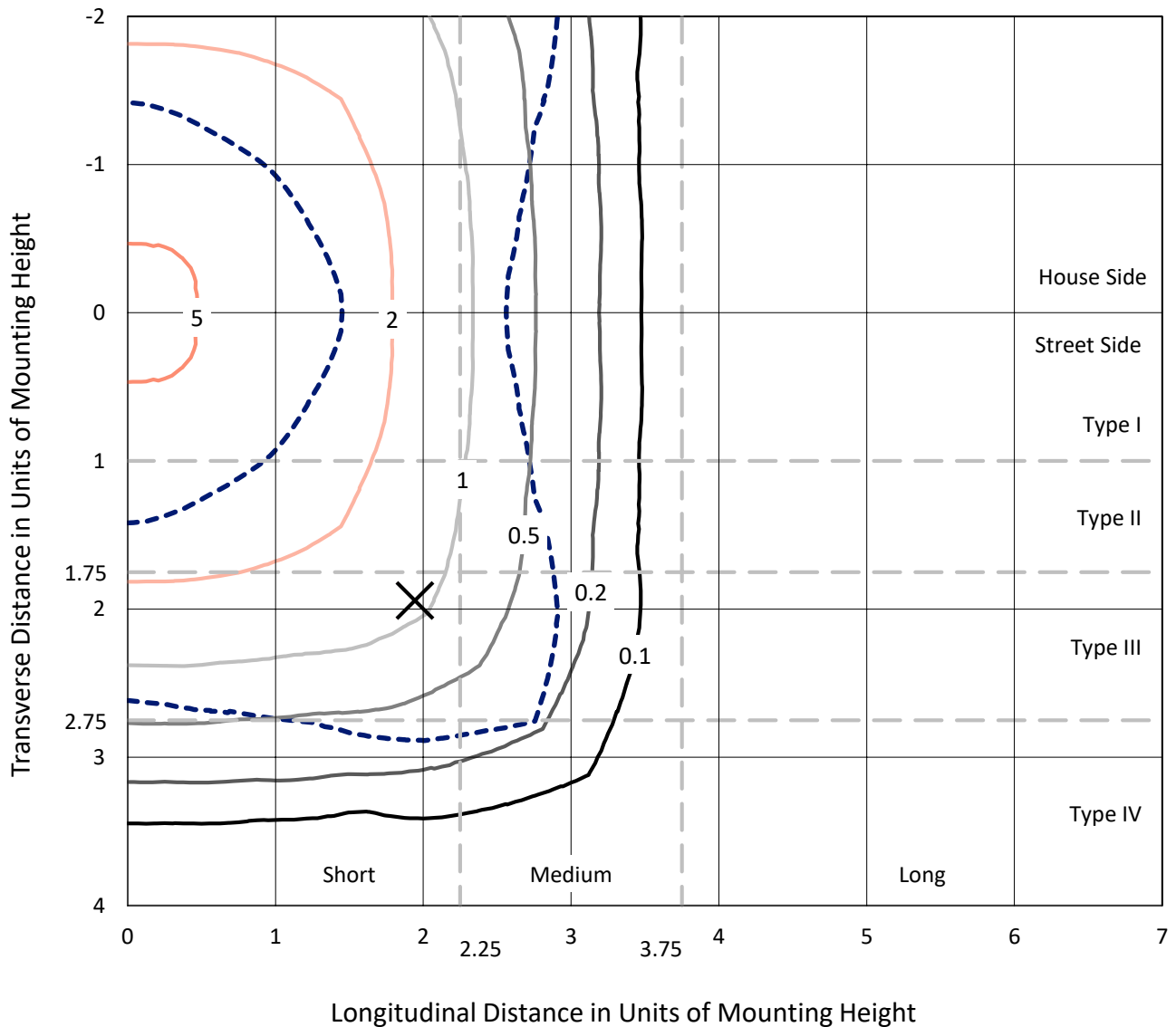
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

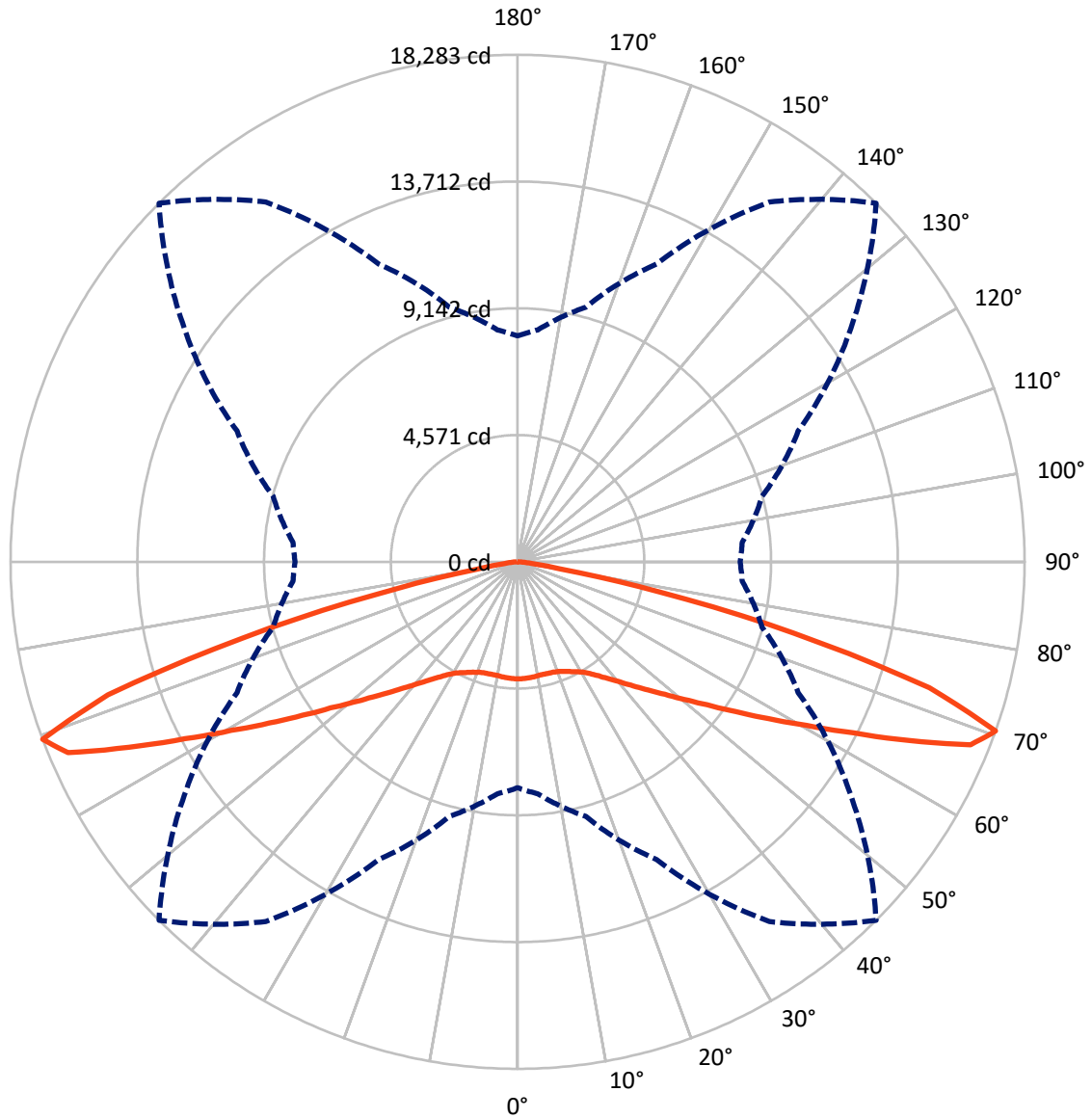
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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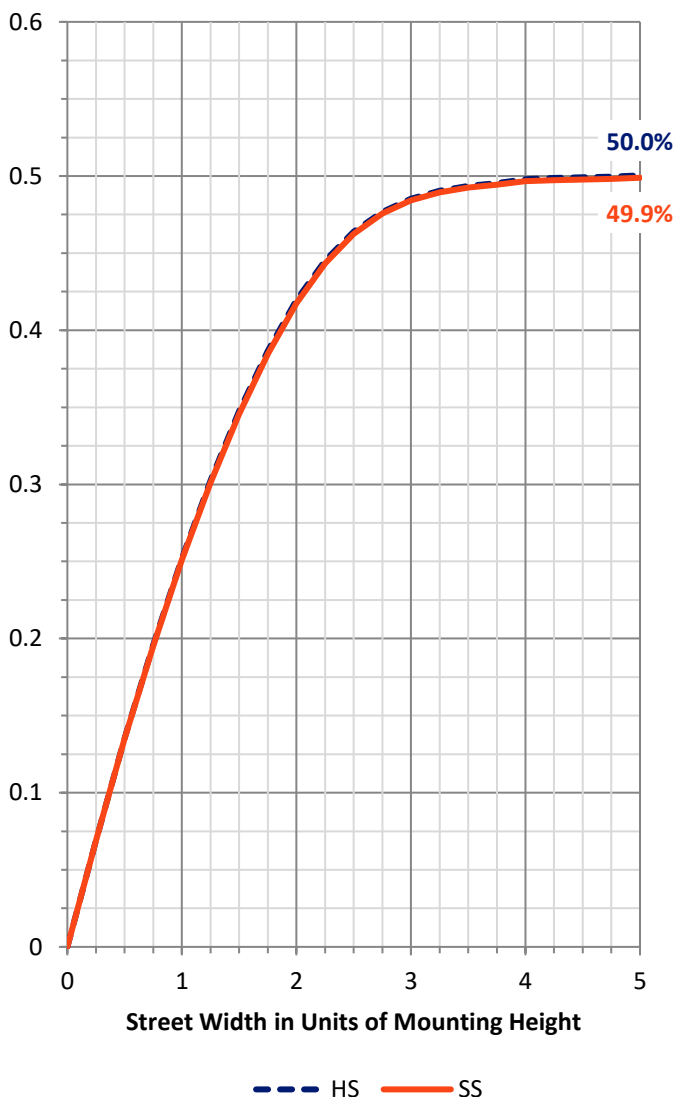
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19335.0	0.0	19335.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19335.0	0.0	19335.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38670.0	0.0	38670.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.0	1.0
10°-20°	1174.3	3.0
20°-30°	1999.0	5.2
30°-40°	3170.4	8.2
40°-50°	5159.3	13.3
50°-60°	8506.7	22.0
60°-70°	12488.1	32.3
70°-80°	5522.2	14.3
80°-90°	250.1	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°	38670.0	100.0
0°-180°	38670.0	100.0

**Coefficient of Utilization**

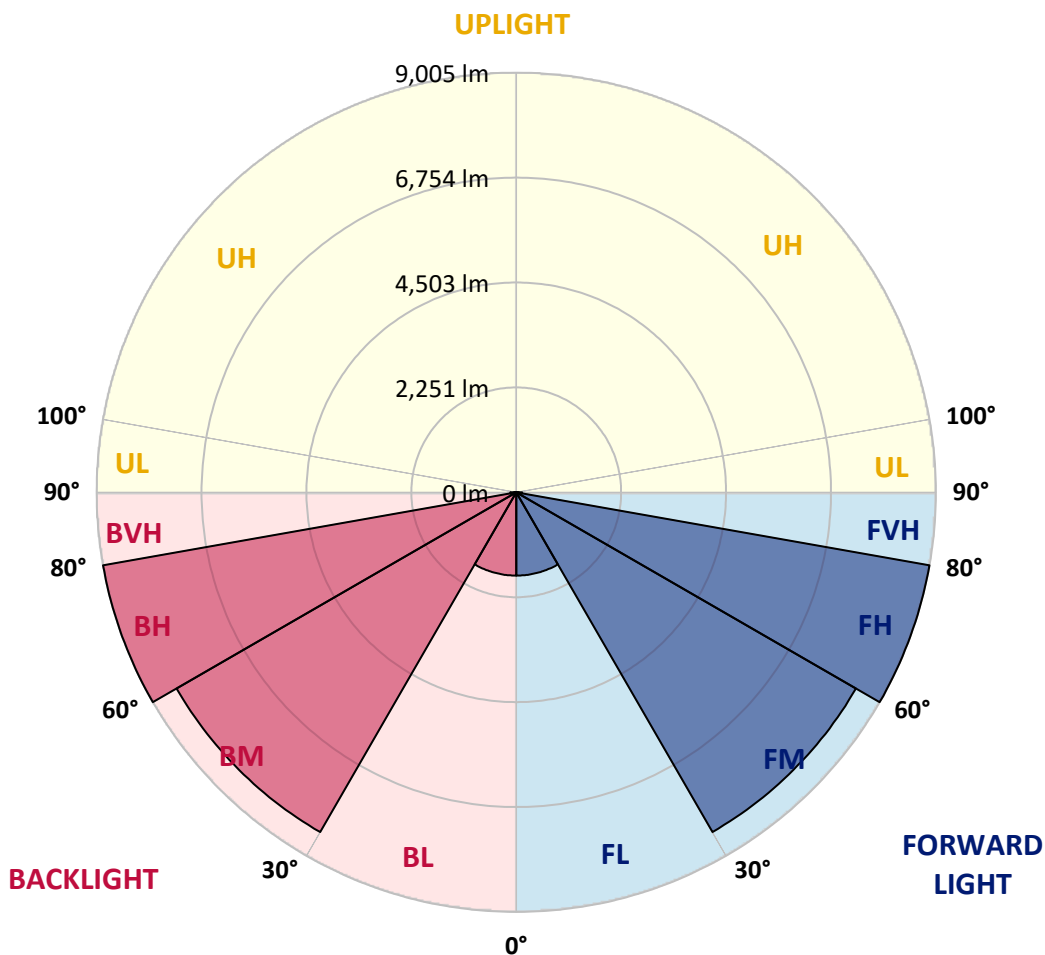


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1786.7	4.6			
FM (30°-60°)	8418.2	21.8			
FH (60°-80°)	9005.1	23.3			G4/12000
FVH (80°-90°)	125.0	0.3			G2/225
BL (0°-30°)	1786.7	4.6	B3/2500		
BM (30°-60°)	8418.2	21.8	B4/8500		
BH (60°-80°)	9005.1	23.3	B5		G4/12000
BVH (80°-90°)	125.0	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-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4	4223.4
2.5°	4217.0	4213.1	4222.1	4220.8	4213.1	4214.4	4214.4	4218.2	4218.2	4215.7	4215.7
5°	4201.6	4199.0	4209.3	4209.3	4201.6	4204.2	4206.7	4210.6	4209.3	4206.7	4205.4
7.5°	4182.4	4181.1	4191.4	4191.4	4186.3	4188.8	4186.3	4187.5	4185.0	4182.4	4178.6
10°	4150.4	4153.0	4161.9	4164.5	4164.5	4165.8	4163.2	4156.8	4153.0	4149.1	4145.3
12.5°	4121.0	4119.7	4132.5	4138.9	4149.1	4160.7	4153.0	4135.1	4127.4	4119.7	4117.1
15°	4101.8	4103.1	4115.9	4127.4	4145.3	4169.6	4160.7	4132.5	4117.1	4108.2	4105.6
17.5°	4097.9	4100.5	4117.1	4137.6	4156.8	4183.7	4178.6	4150.4	4124.8	4108.2	4104.3
20°	4106.9	4108.2	4133.8	4163.2	4196.5	4222.1	4210.6	4179.9	4145.3	4119.7	4113.3
22.5°	4123.5	4128.7	4160.7	4206.7	4257.9	4292.5	4278.4	4225.9	4172.2	4140.2	4131.2
25°	4176.0	4177.3	4220.8	4283.5	4344.9	4384.6	4368.0	4293.8	4224.6	4188.8	4177.3
27.5°	4284.8	4288.6	4332.1	4405.1	4457.6	4483.2	4472.9	4412.8	4353.9	4315.5	4319.4
30°	4442.2	4447.3	4496.0	4576.6	4608.6	4615.0	4612.4	4584.3	4530.5	4479.3	4483.2
32.5°	4634.2	4636.7	4702.0	4775.0	4800.6	4805.7	4800.6	4775.0	4711.0	4641.9	4645.7
35°	4881.2	4888.9	4951.6	5022.0	5042.4	5052.7	5043.7	5010.4	4943.9	4876.1	4873.5
37.5°	5185.8	5187.1	5252.3	5325.3	5350.9	5353.4	5343.2	5321.4	5238.3	5176.8	5173.0
40°	5539.0	5544.1	5620.9	5699.0	5709.2	5697.7	5711.8	5699.0	5613.2	5542.8	5554.4
42.5°	5969.0	5980.5	6072.7	6149.5	6120.0	6113.6	6122.6	6126.4	6057.3	5971.6	5963.9
45°	6469.4	6479.7	6594.8	6656.3	6637.1	6594.8	6612.8	6643.5	6547.5	6441.3	6451.5
47.5°	7040.2	7065.8	7188.7	7246.3	7198.9	7141.3	7175.9	7222.0	7109.3	6977.5	6971.1
50°	7675.0	7707.0	7870.8	7951.4	7904.1	7797.9	7855.5	7886.2	7723.6	7553.4	7539.3
52.5°	8352.0	8384.0	8590.1	8756.4	8725.7	8560.6	8641.3	8609.3	8422.4	8193.3	8175.4
55°	9118.6	9131.4	9354.1	9622.9	9653.6	9532.0	9526.9	9474.4	9198.0	8933.1	8920.3
57.5°	9907.0	9916.0	10203.9	10521.3	10665.9	10665.9	10522.6	10411.2	10043.9	9736.8	9704.8
60°	10758.1	10790.1	11108.7	11540.0	11877.9	11977.7	11724.3	11421.0	11021.7	10646.7	10609.6
62.5°	11515.7	11552.8	12040.4	12682.9	13225.5	13589.0	12969.6	12475.6	11748.6	11147.1	11076.7
65°	11611.7	11711.5	12421.8	13585.2	14799.7	15525.3	14337.7	13120.6	11796.0	10960.3	10888.6
67.5°	10604.5	10773.4	11733.3	13544.2	16053.9	17611.4	15211.8	12752.0	10946.2	10022.2	9942.8
70°	8148.5	8394.3	9501.3	11847.2	15837.6	18283.3	14664.0	11163.8	9126.3	8131.9	8020.6
72.5°	4470.4	4571.5	5567.2	8112.7	12697.0	15536.9	12231.1	8254.8	6052.2	4924.7	4737.8
75°	1418.0	1453.9	1960.7	3319.8	7182.3	10290.9	7769.7	4051.9	2230.7	1644.6	1625.4
77.5°	629.7	633.5	709.0	968.8	2473.9	5213.9	2971.7	1103.2	760.2	664.2	686.0
80°	398.0	398.0	439.0	479.9	673.2	1514.0	803.7	524.7	447.9	415.9	424.9
82.5°	190.7	211.2	285.4	307.2	369.9	509.4	412.1	343.0	299.5	222.7	207.3
85°	125.4	104.9	180.5	203.5	215.0	244.4	239.3	226.5	195.8	111.3	124.1
87.5°	56.3	53.8	93.4	85.7	80.6	61.4	92.1	113.9	110.1	55.0	55.0
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)