

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: P316681

Luminaire Tested: **GAN-SA7B-722-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316681  
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-722-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2200K, 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: 31215 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

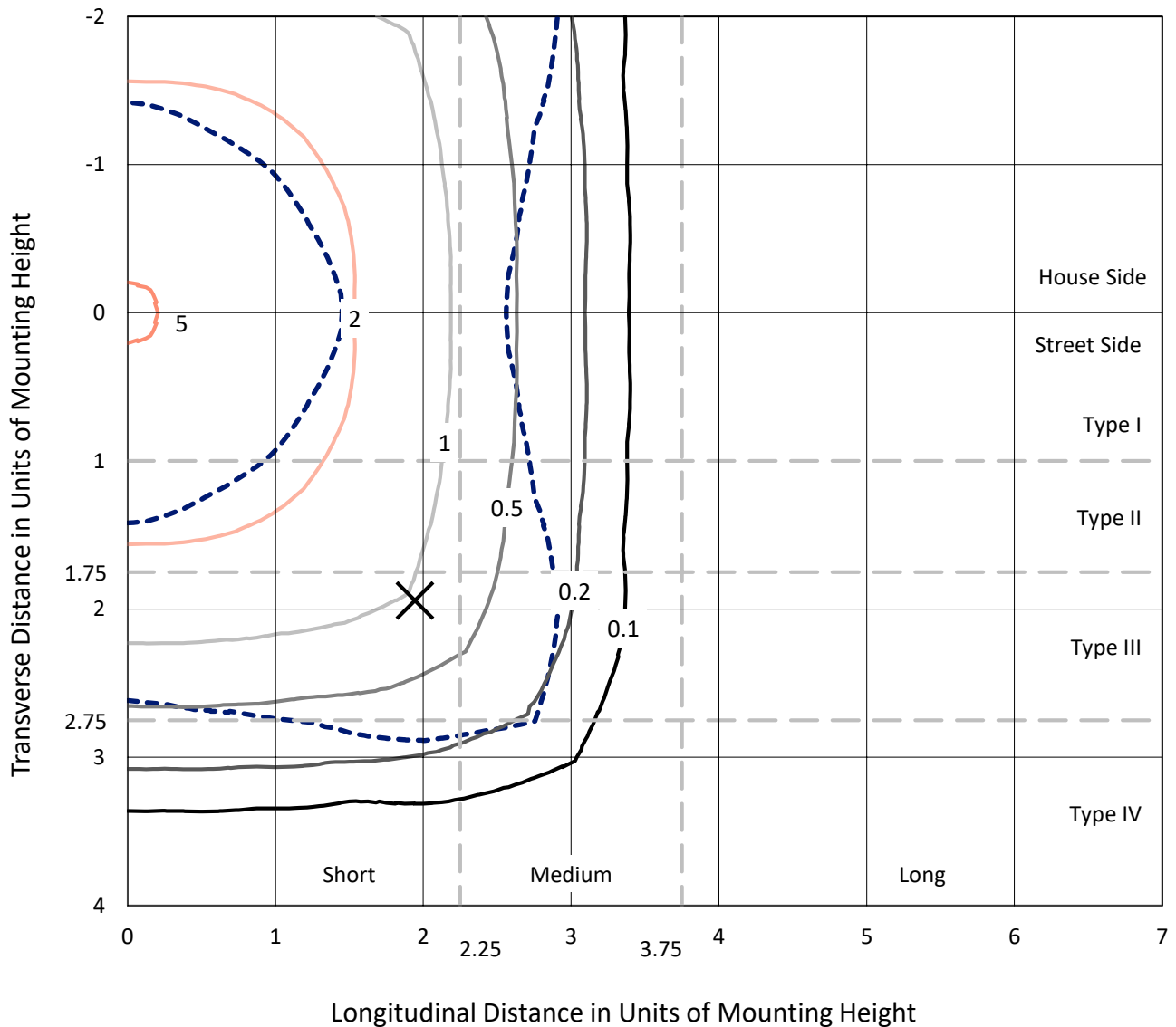
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

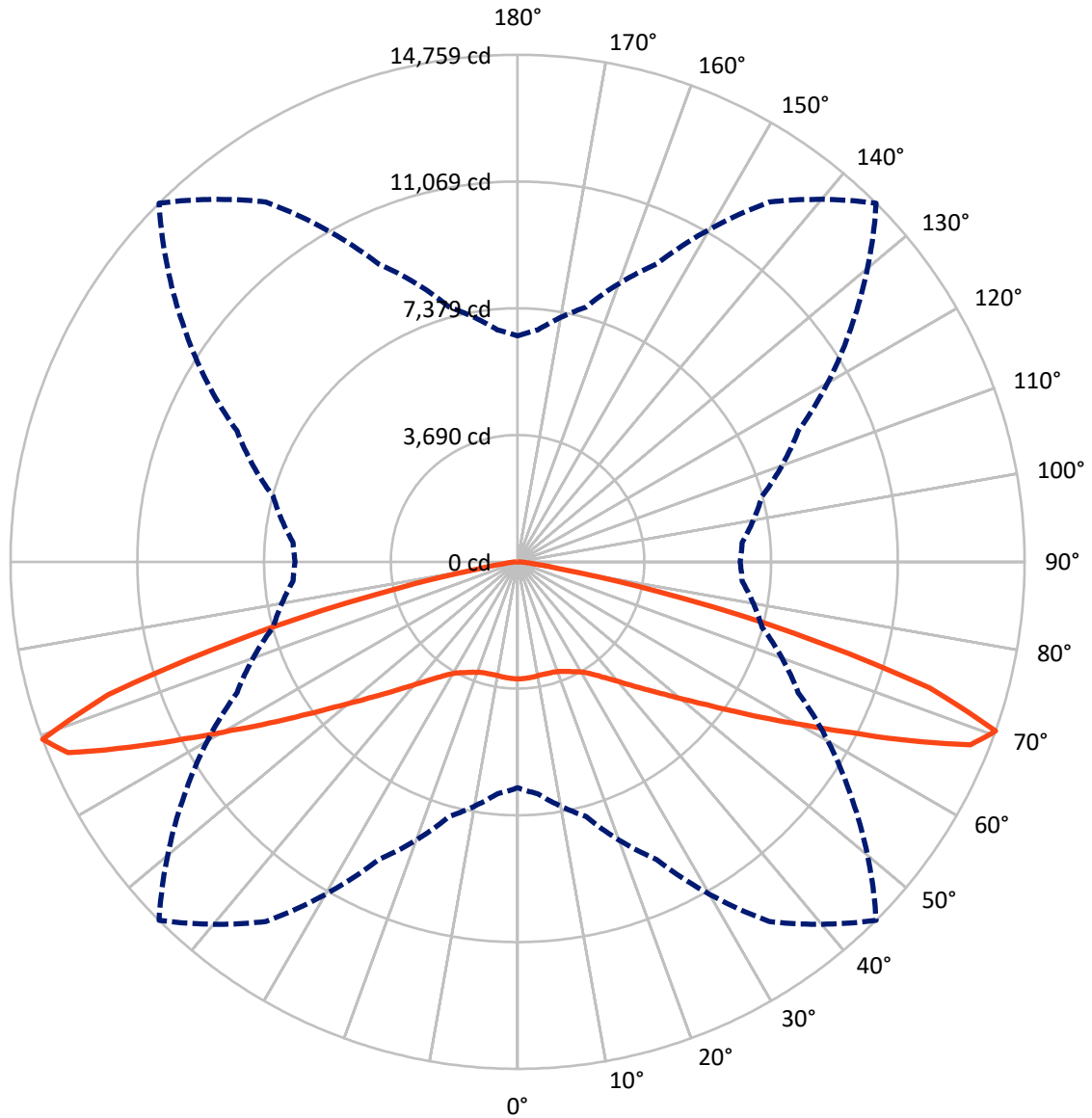
✕ Max cd  
 - - - 1/2 Max cd



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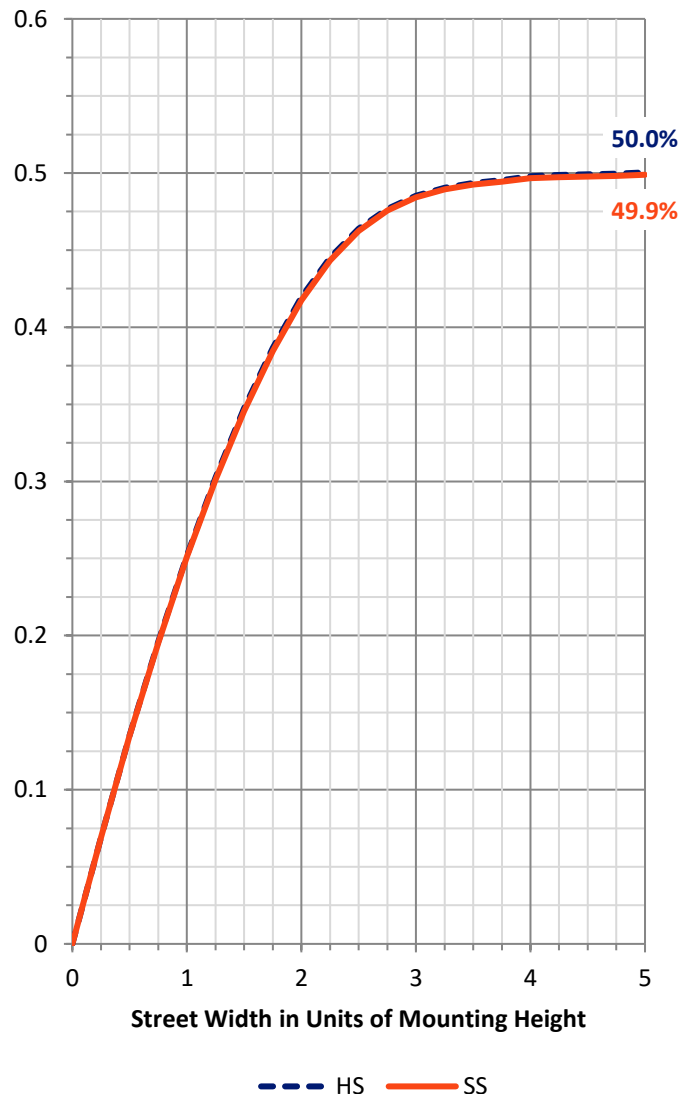
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15607.5	0.0	15607.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15607.5	0.0	15607.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31215.0	0.0	31215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.9	1.0
10°-20°	947.9	3.0
20°-30°	1613.6	5.2
30°-40°	2559.2	8.2
40°-50°	4164.6	13.3
50°-60°	6866.7	22.0
60°-70°	10080.5	32.3
70°-80°	4457.6	14.3
80°-90°	201.9	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°	31215.0	100.0
0°-180°	31215.0	100.0

**Coefficient of Utilization**



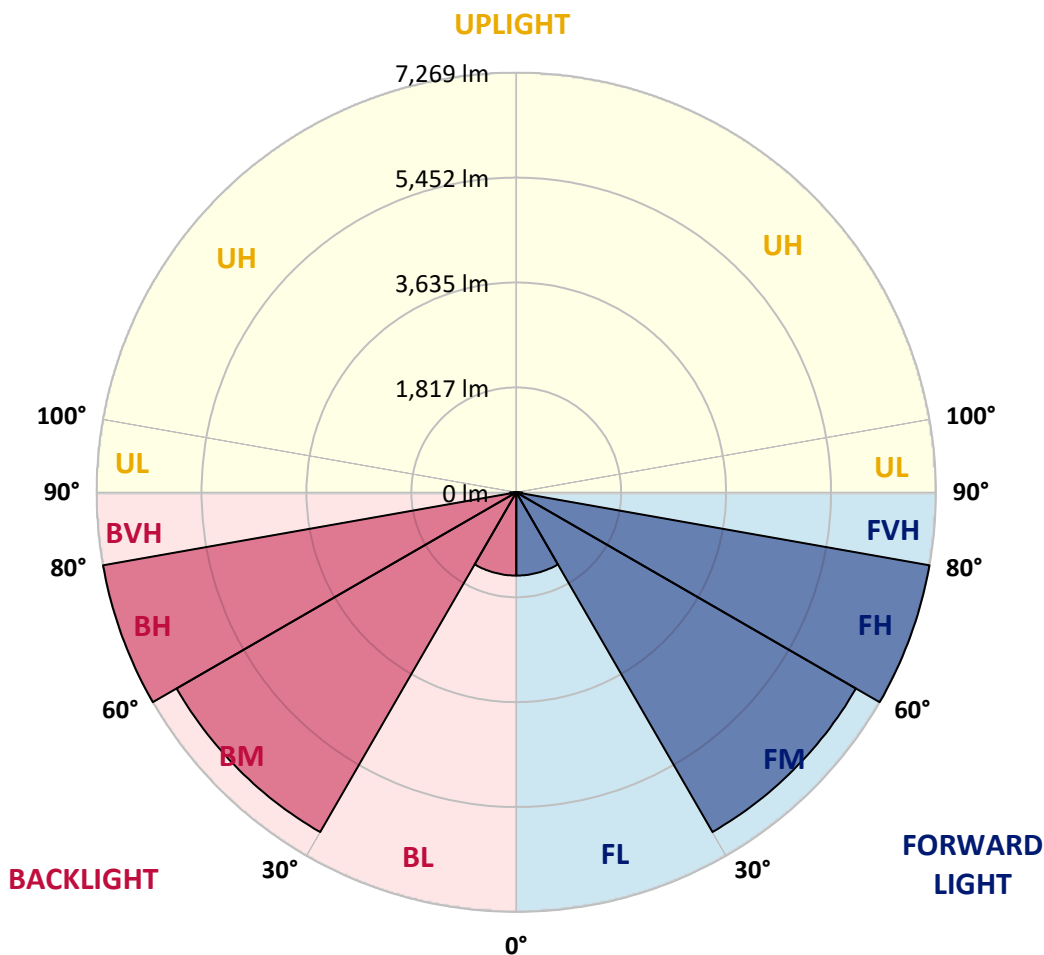
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.2	4.6			
FM (30°-60°)	6795.3	21.8			
FH (60°-80°)	7269.1	23.3			G3/7500
FVH (80°-90°)	100.9	0.3			G2/225
BL (0°-30°)	1442.2	4.6	B3/2500		
BM (30°-60°)	6795.3	21.8	B4/8500		
BH (60°-80°)	7269.1	23.3	B5		G3/7500
BVH (80°-90°)	100.9	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°	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2	3409.2
2.5°	3404.0	3400.9	3408.1	3407.1	3400.9	3401.9	3401.9	3405.0	3405.0	3403.0	3403.0
5°	3391.6	3389.5	3397.8	3397.8	3391.6	3393.7	3395.7	3398.8	3397.8	3395.7	3394.7
7.5°	3376.1	3375.1	3383.3	3383.3	3379.2	3381.3	3379.2	3380.2	3378.2	3376.1	3373.0
10°	3350.3	3352.3	3359.6	3361.6	3361.6	3362.7	3360.6	3355.4	3352.3	3349.2	3346.1
12.5°	3326.5	3325.5	3335.8	3341.0	3349.2	3358.5	3352.3	3337.9	3331.7	3325.5	3323.4
15°	3311.0	3312.1	3322.4	3331.7	3346.1	3365.8	3358.5	3335.8	3323.4	3316.2	3314.1
17.5°	3307.9	3310.0	3323.4	3339.9	3355.4	3377.1	3373.0	3350.3	3329.6	3316.2	3313.1
20°	3315.2	3316.2	3336.8	3360.6	3387.5	3408.1	3398.8	3374.0	3346.1	3325.5	3320.3
22.5°	3328.6	3332.7	3358.5	3395.7	3437.1	3465.0	3453.6	3411.2	3367.8	3342.0	3334.8
25°	3370.9	3372.0	3407.1	3457.7	3507.3	3539.3	3525.9	3466.0	3410.2	3381.3	3372.0
27.5°	3458.8	3461.9	3497.0	3555.9	3598.2	3618.9	3610.6	3562.1	3514.5	3483.5	3486.6
30°	3585.8	3590.0	3629.2	3694.3	3720.1	3725.3	3723.2	3700.5	3657.1	3615.8	3618.9
32.5°	3740.8	3742.8	3795.5	3854.4	3875.1	3879.2	3875.1	3854.4	3802.8	3747.0	3750.1
35°	3940.2	3946.4	3997.0	4053.8	4070.3	4078.6	4071.4	4044.5	3990.8	3936.0	3934.0
37.5°	4186.0	4187.1	4239.8	4298.6	4319.3	4321.4	4313.1	4295.5	4228.4	4178.8	4175.7
40°	4471.2	4475.3	4537.3	4600.3	4608.6	4599.3	4610.6	4600.3	4531.1	4474.3	4483.6
42.5°	4818.3	4827.6	4902.0	4963.9	4940.2	4935.0	4942.3	4945.4	4889.6	4820.4	4814.2
45°	5222.2	5230.5	5323.5	5373.0	5357.6	5323.5	5337.9	5362.7	5285.2	5199.5	5207.8
47.5°	5683.0	5703.6	5802.8	5849.3	5811.1	5764.6	5792.5	5829.7	5738.8	5632.4	5627.2
50°	6195.4	6221.2	6353.4	6418.5	6380.3	6294.6	6341.0	6365.8	6234.6	6097.2	6085.9
52.5°	6741.9	6767.7	6934.0	7068.3	7043.5	6910.3	6975.4	6949.5	6798.7	6613.8	6599.3
55°	7360.7	7371.0	7550.8	7767.7	7792.5	7694.4	7690.2	7647.9	7424.7	7210.9	7200.6
57.5°	7997.1	8004.3	8236.7	8493.0	8609.7	8609.7	8494.0	8404.1	8107.6	7859.7	7833.8
60°	8684.1	8709.9	8967.1	9315.3	9588.0	9668.6	9464.0	9219.2	8896.9	8594.2	8564.2
62.5°	9295.7	9325.6	9719.2	10237.8	10675.8	10969.2	10469.2	10070.5	9483.7	8998.1	8941.3
65°	9373.1	9453.7	10027.1	10966.1	11946.5	12532.3	11573.6	10591.1	9521.9	8847.3	8789.4
67.5°	8560.1	8696.5	9471.3	10933.1	12959.0	14216.2	12279.2	10293.6	8835.9	8090.0	8026.0
70°	6577.6	6776.0	7669.6	9563.2	12784.4	14758.6	11837.0	9011.6	7366.9	6564.2	6474.3
72.5°	3608.5	3690.2	4493.9	6548.7	10249.2	12541.6	9873.1	6663.4	4885.4	3975.3	3824.5
75°	1144.7	1173.6	1582.7	2679.8	5797.6	8307.0	6271.8	3270.7	1800.7	1327.5	1312.0
77.5°	508.3	511.4	572.3	782.0	1996.9	4208.8	2398.8	890.5	613.6	536.2	553.7
80°	321.3	321.3	354.3	387.4	543.4	1222.1	648.8	423.6	361.6	335.8	343.0
82.5°	153.9	170.5	230.4	247.9	298.6	411.2	332.7	276.9	241.7	179.8	167.4
85°	101.2	84.7	145.7	164.3	173.6	197.3	193.2	182.9	158.1	89.9	100.2
87.5°	45.5	43.4	75.4	69.2	65.1	49.6	74.4	91.9	88.8	44.4	44.4
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)