

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: P316480

Luminaire Tested: **GAN-SA6B-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316480  
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-SA6B-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 35907 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

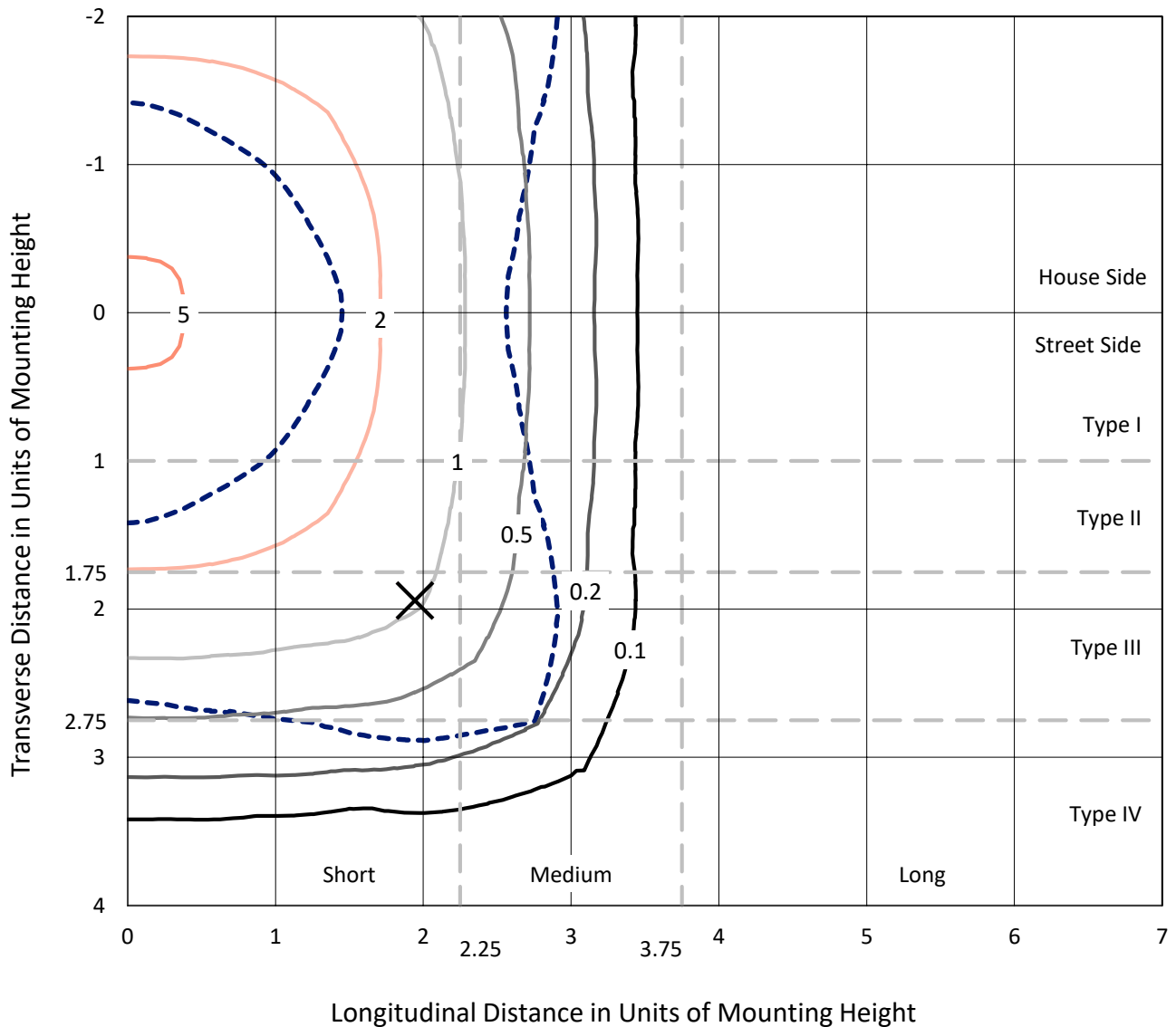
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

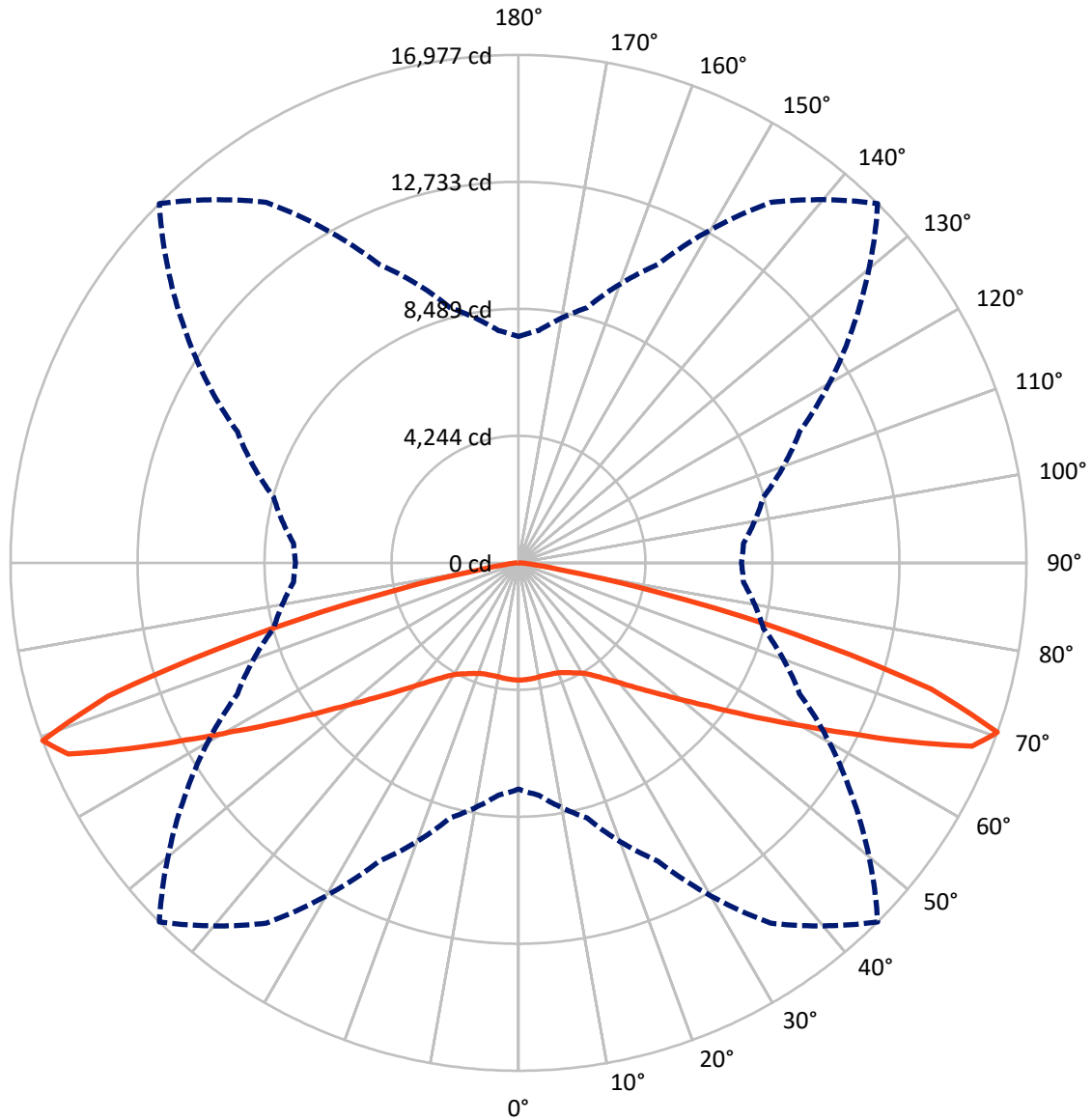
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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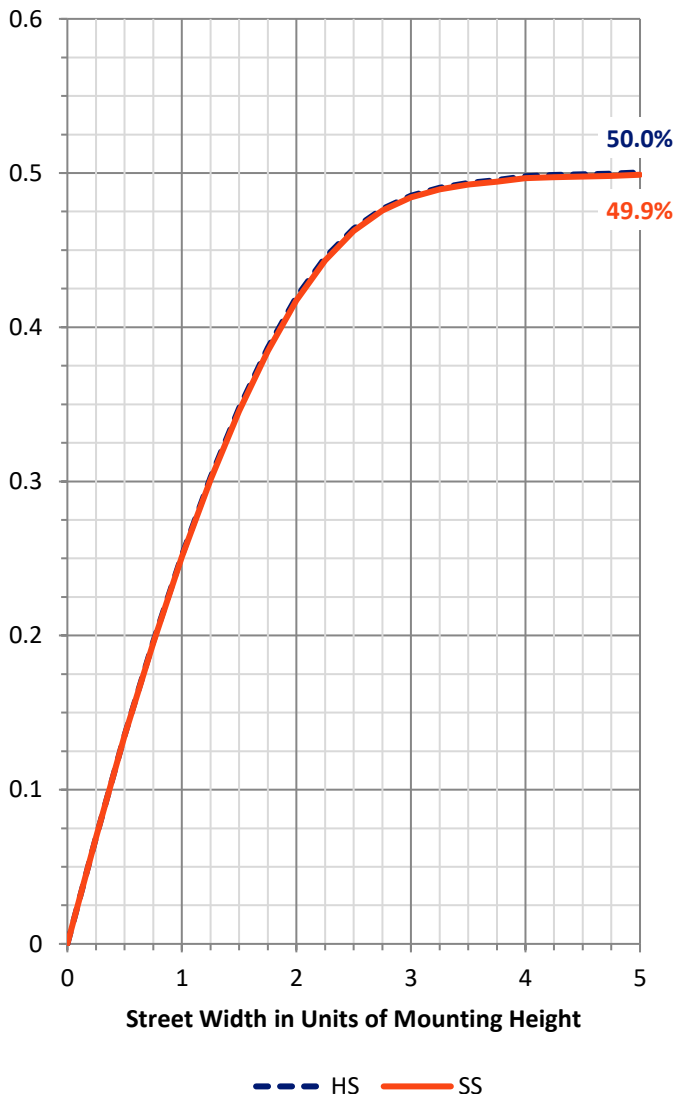
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17953.5	0.0	17953.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17953.5	0.0	17953.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35907.0	0.0	35907.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.4	1.0
10°-20°	1090.4	3.0
20°-30°	1856.2	5.2
30°-40°	2943.9	8.2
40°-50°	4790.6	13.3
50°-60°	7898.9	22.0
60°-70°	11595.8	32.3
70°-80°	5127.6	14.3
80°-90°	232.2	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°	35907.0	100.0
0°-180°	35907.0	100.0

**Coefficient of Utilization**

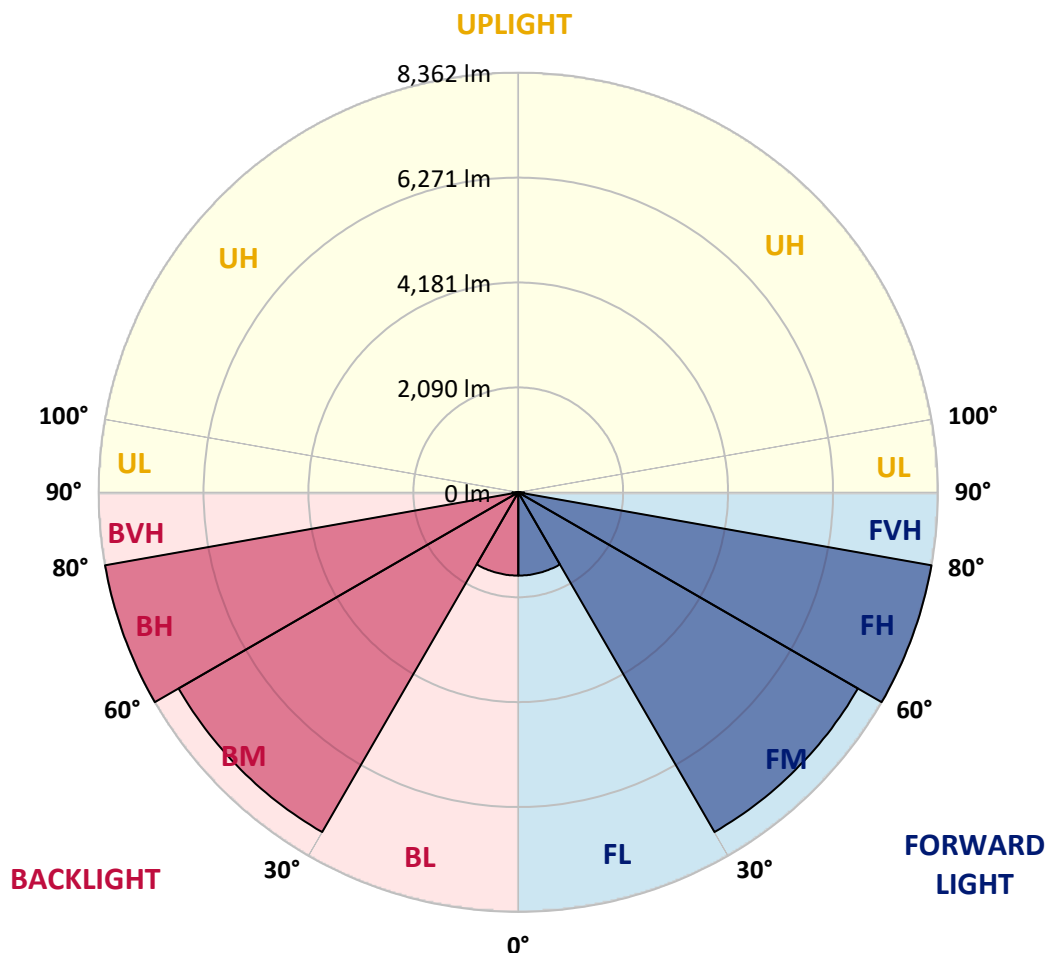


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1659.0	4.6			
FM (30°-60°)	7816.7	21.8			
FH (60°-80°)	8361.7	23.3			G4/12000
FVH (80°-90°)	116.1	0.3			G2/225
BL (0°-30°)	1659.0	4.6	B3/2500		
BM (30°-60°)	7816.7	21.8	B4/8500		
BH (60°-80°)	8361.7	23.3	B5		G4/12000
BVH (80°-90°)	116.1	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°	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6	3921.6
2.5°	3915.7	3912.1	3920.4	3919.2	3912.1	3913.3	3913.3	3916.8	3916.8	3914.5	3914.5
5°	3901.4	3899.0	3908.5	3908.5	3901.4	3903.8	3906.2	3909.7	3908.5	3906.2	3905.0
7.5°	3883.6	3882.4	3891.9	3891.9	3887.1	3889.5	3887.1	3888.3	3886.0	3883.6	3880.0
10°	3853.9	3856.2	3864.6	3866.9	3866.9	3868.1	3865.8	3859.8	3856.2	3852.7	3849.1
12.5°	3826.5	3825.3	3837.2	3843.2	3852.7	3863.4	3856.2	3839.6	3832.5	3825.3	3823.0
15°	3808.7	3809.9	3821.8	3832.5	3849.1	3871.7	3863.4	3837.2	3823.0	3814.7	3812.3
17.5°	3805.1	3807.5	3823.0	3842.0	3859.8	3884.8	3880.0	3853.9	3830.1	3814.7	3811.1
20°	3813.5	3814.7	3838.4	3865.8	3896.6	3920.4	3909.7	3881.2	3849.1	3825.3	3819.4
22.5°	3828.9	3833.7	3863.4	3906.2	3953.7	3985.8	3972.7	3924.0	3874.1	3844.4	3836.0
25°	3877.6	3878.8	3919.2	3977.5	4034.5	4071.3	4055.9	3987.0	3922.8	3889.5	3878.8
27.5°	3978.6	3982.2	4022.6	4090.4	4139.1	4162.8	4153.3	4097.5	4042.8	4007.2	4010.7
30°	4124.8	4129.6	4174.7	4249.6	4279.3	4285.2	4282.9	4256.7	4206.8	4159.3	4162.8
32.5°	4303.1	4305.4	4366.1	4433.8	4457.6	4462.3	4457.6	4433.8	4374.4	4310.2	4313.8
35°	4532.4	4539.6	4597.8	4663.1	4682.2	4691.7	4683.3	4652.4	4590.7	4527.7	4525.3
37.5°	4815.3	4816.4	4877.0	4944.8	4968.6	4970.9	4961.4	4941.2	4864.0	4806.9	4803.4
40°	5143.2	5148.0	5219.3	5291.8	5301.3	5290.6	5303.7	5291.8	5212.2	5146.8	5157.5
42.5°	5542.5	5553.2	5638.8	5710.1	5682.8	5676.8	5685.1	5688.7	5624.5	5544.9	5537.8
45°	6007.2	6016.7	6123.6	6180.7	6162.9	6123.6	6140.3	6168.8	6079.7	5981.0	5990.5
47.5°	6537.2	6561.0	6675.0	6728.5	6684.6	6631.1	6663.2	6705.9	6601.4	6479.0	6473.0
50°	7126.6	7156.3	7308.4	7383.3	7339.3	7240.7	7294.2	7322.7	7171.8	7013.7	7000.7
52.5°	7755.3	7785.0	7976.3	8130.8	8102.3	7949.0	8023.8	7994.1	7820.6	7607.9	7591.3
55°	8467.1	8479.0	8685.8	8935.3	8963.8	8850.9	8846.2	8797.5	8540.8	8294.8	8282.9
57.5°	9199.1	9207.4	9474.8	9769.5	9903.8	9903.8	9770.7	9667.3	9326.3	9041.1	9011.4
60°	9989.4	10019.1	10315.0	10715.5	11029.2	11121.9	10886.6	10605.0	10234.2	9886.0	9851.5
62.5°	10692.9	10727.4	11180.1	11776.7	12280.6	12618.1	12042.9	11584.2	10909.2	10350.7	10285.3
65°	10782.0	10874.7	11534.3	12614.5	13742.2	14416.1	13313.2	12183.1	10953.2	10177.2	10110.6
67.5°	9846.8	10003.7	10894.9	12576.5	14906.8	16353.1	14124.9	11840.9	10164.1	9306.1	9232.4
70°	7566.3	7794.5	8822.4	11000.7	14706.0	16977.0	13616.3	10366.1	8474.2	7550.9	7447.5
72.5°	4151.0	4244.8	5169.4	7533.0	11789.8	14426.7	11357.2	7665.0	5619.8	4572.8	4399.3
75°	1316.7	1350.0	1820.6	3082.6	6669.1	9555.6	7214.6	3762.4	2071.3	1527.0	1509.2
77.5°	584.7	588.2	658.4	899.6	2297.1	4841.4	2759.4	1024.4	705.9	616.8	637.0
80°	369.6	369.6	407.6	445.6	625.1	1405.8	746.3	487.2	415.9	386.2	394.5
82.5°	177.1	196.1	265.0	285.2	343.4	473.0	382.7	318.5	278.1	206.8	192.5
85°	116.5	97.4	167.6	188.9	199.6	227.0	222.2	210.3	181.8	103.4	115.3
87.5°	52.3	49.9	86.8	79.6	74.9	57.0	85.6	105.8	102.2	51.1	51.1
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)