

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: P317120

Luminaire Tested: **GAN-SA6B-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34938 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

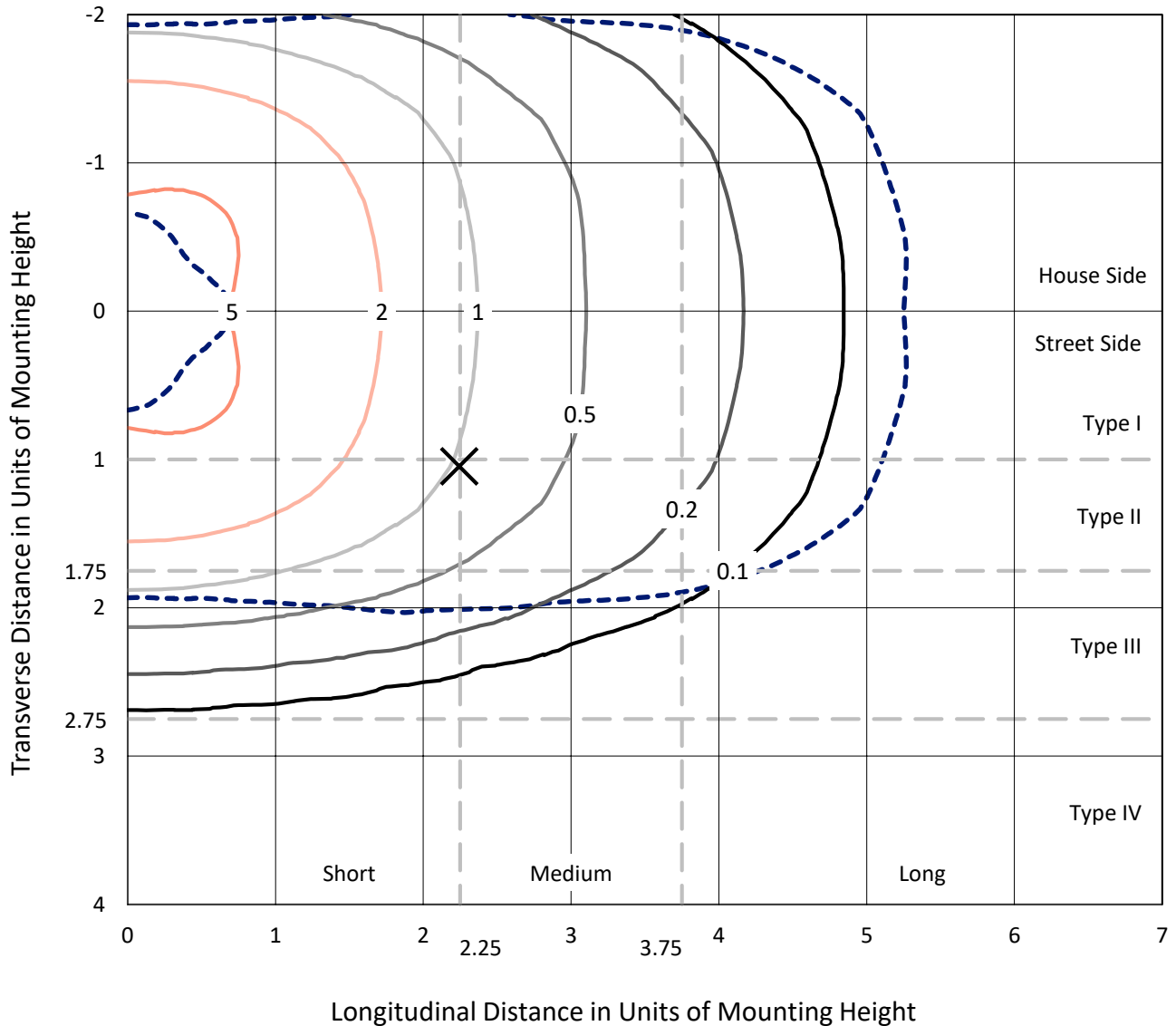
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

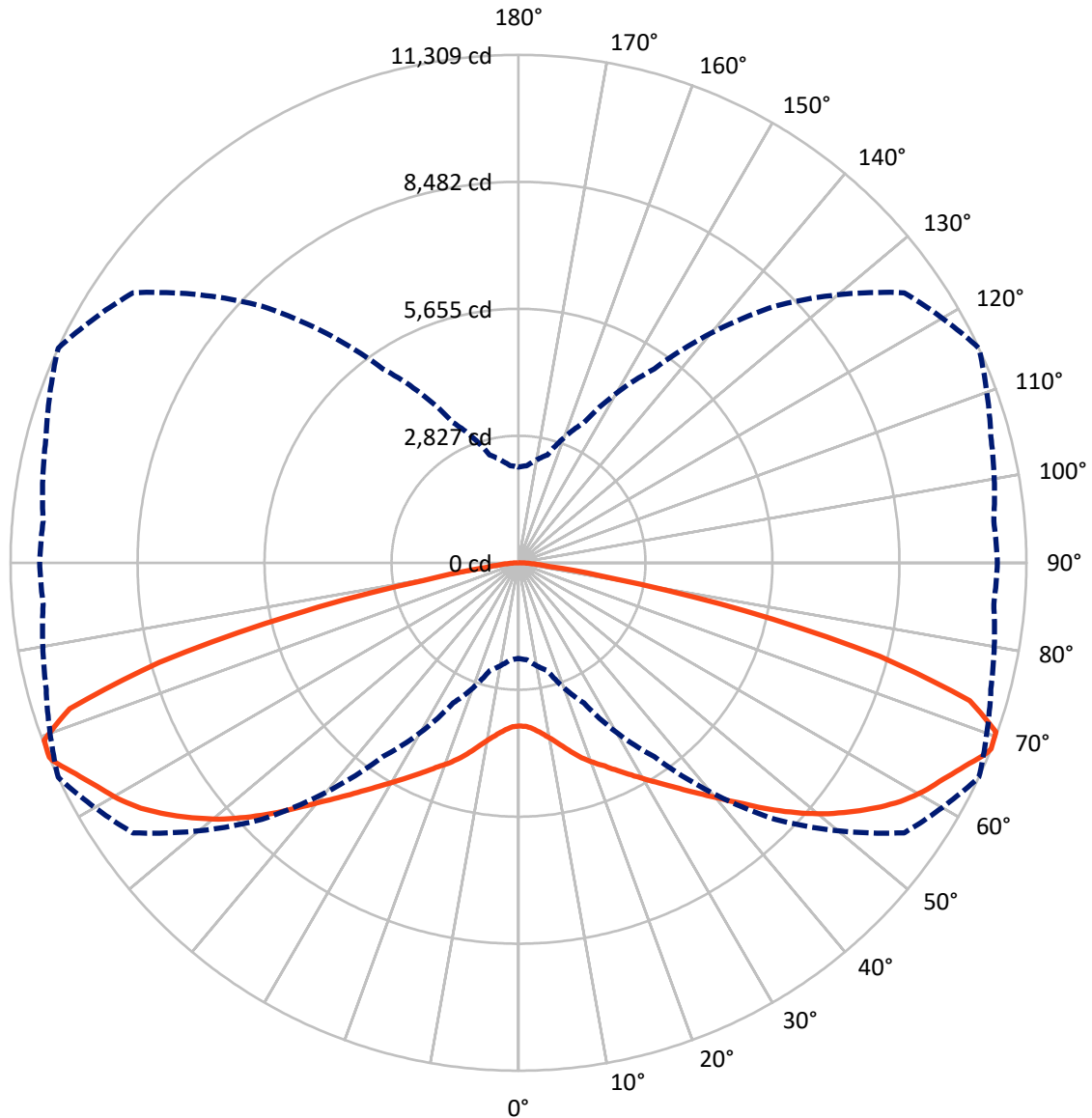
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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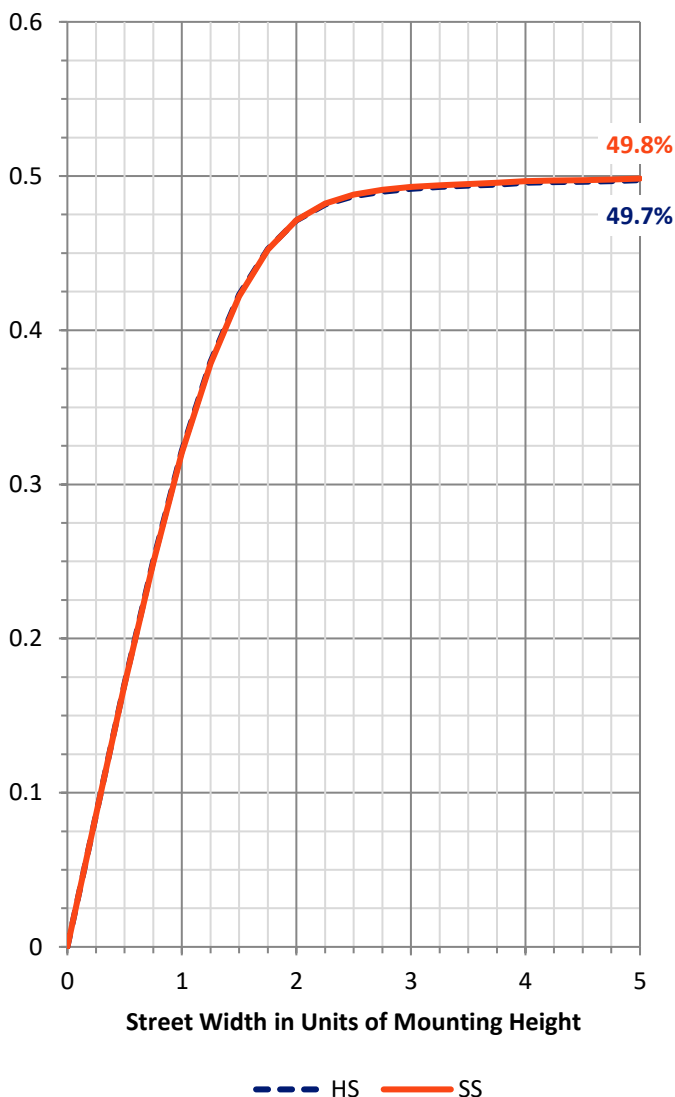
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17469.0	0.0	17469.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17469.0	0.0	17469.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34938.0	0.0	34938.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.7	1.0
10°-20°	1190.9	3.4
20°-30°	2322.0	6.6
30°-40°	3900.8	11.2
40°-50°	6146.3	17.6
50°-60°	8219.6	23.5
60°-70°	7990.5	22.9
70°-80°	4368.0	12.5
80°-90°	444.2	1.3
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°	34938.0	100.0
0°-180°	34938.0	100.0

**Coefficient of Utilization**



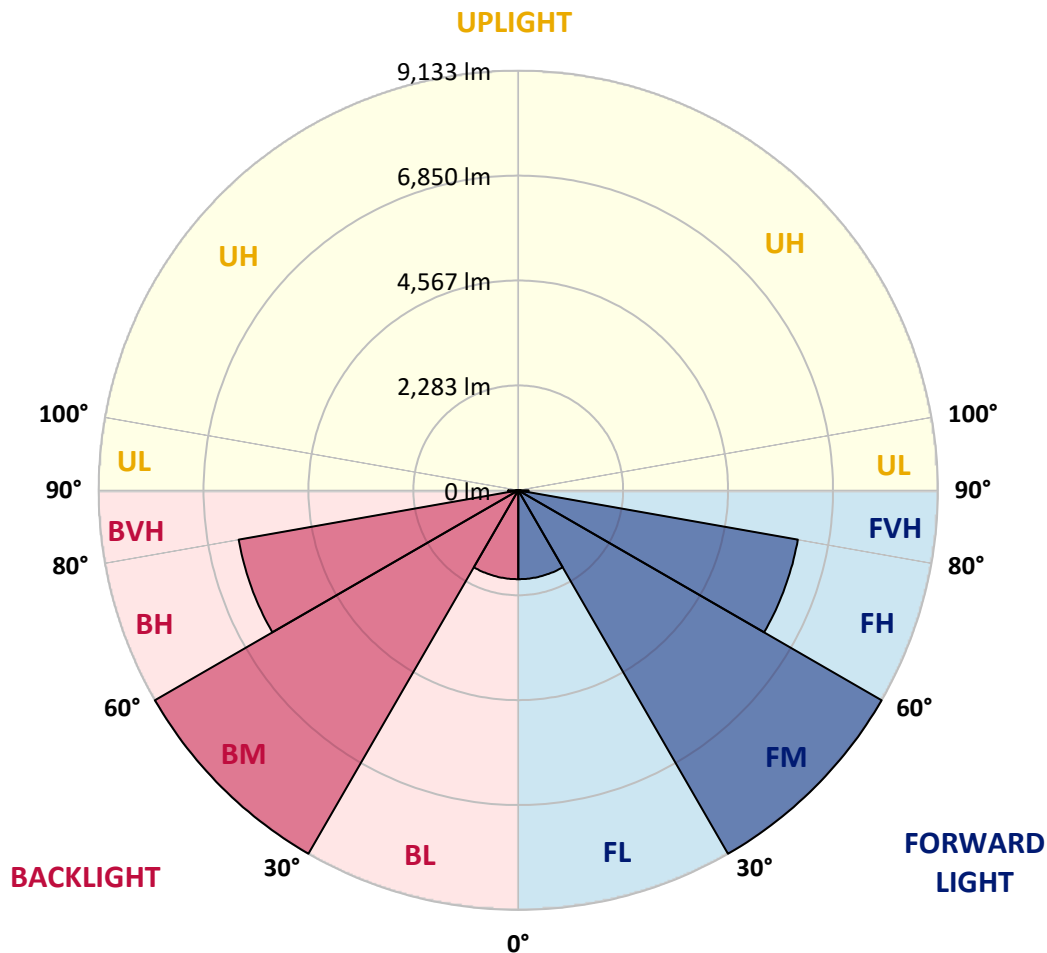
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1934.3	5.5			
FM (30°-60°)	9133.3	26.1			
FH (60°-80°)	6179.2	17.7			G3/7500
FVH (80°-90°)	222.1	0.6			G2/225
BL (0°-30°)	1934.3	5.5	B3/2500		
BM (30°-60°)	9133.3	26.1	B5		
BH (60°-80°)	6179.2	17.7	B5		G5
BVH (80°-90°)	222.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7	3632.7
2.5°	3607.0	3608.1	3614.0	3621.0	3626.9	3642.1	3645.6	3651.5	3653.8	3659.7	3659.7
5°	3575.3	3577.7	3591.7	3610.5	3631.6	3669.0	3696.0	3726.4	3741.7	3758.1	3756.9
7.5°	3571.8	3577.7	3597.6	3628.0	3663.2	3725.3	3781.5	3842.4	3883.4	3920.9	3918.6
10°	3608.1	3617.5	3645.6	3691.3	3744.0	3821.3	3904.5	3986.5	4058.0	4115.4	4117.7
12.5°	3663.2	3674.9	3719.4	3788.5	3868.2	3967.8	4066.2	4158.7	4257.1	4342.6	4349.7
15°	3735.8	3751.0	3817.8	3920.9	4042.7	4161.1	4266.5	4361.4	4475.0	4593.3	4605.1
17.5°	3843.6	3864.7	3952.5	4091.9	4252.4	4382.5	4492.6	4564.0	4658.9	4780.8	4803.0
20°	4007.6	4034.5	4145.8	4312.2	4507.8	4643.7	4728.1	4743.3	4790.1	4899.1	4924.9
22.5°	4220.8	4244.2	4368.4	4566.4	4785.5	4933.1	4977.6	4916.7	4912.0	4999.8	5024.4
25°	4458.6	4479.7	4623.8	4846.4	5081.8	5244.7	5243.5	5125.2	5043.2	5111.1	5136.9
27.5°	4725.7	4758.5	4896.7	5131.0	5382.9	5543.4	5534.0	5351.3	5195.5	5213.0	5235.3
30°	5032.6	5069.0	5203.7	5441.5	5693.3	5850.3	5838.6	5597.3	5363.0	5316.1	5332.5
32.5°	5413.4	5456.7	5584.4	5818.7	6041.3	6183.0	6149.0	5864.4	5564.5	5462.6	5477.8
35°	5871.4	5897.2	6031.9	6262.7	6443.1	6540.3	6468.9	6173.6	5819.9	5696.9	5696.9
37.5°	6335.3	6355.2	6506.3	6730.1	6904.6	6956.2	6816.8	6512.2	6153.7	5979.2	5982.7
40°	6780.5	6834.4	7004.2	7233.8	7406.0	7420.1	7235.0	6898.8	6525.1	6344.7	6365.8
42.5°	7245.5	7298.3	7500.9	7761.0	7913.3	7936.7	7720.0	7332.2	6944.5	6798.0	6821.5
45°	7660.2	7702.4	7936.7	8239.0	8428.7	8489.6	8233.1	7828.9	7397.8	7254.9	7260.8
47.5°	7949.6	8004.7	8262.4	8618.5	8895.0	8988.7	8736.8	8312.8	7844.2	7670.8	7686.0
50°	8212.0	8241.3	8502.5	8891.5	9242.9	9436.2	9220.6	8790.7	8295.2	8111.3	8127.7
52.5°	8358.4	8395.9	8649.0	9054.3	9470.2	9781.8	9650.6	9220.6	8731.0	8551.7	8571.6
55°	8256.5	8284.6	8588.0	9090.6	9610.7	9995.0	10014.9	9641.2	9158.6	9001.6	9057.8
57.5°	7792.6	7827.8	8198.0	8856.3	9628.3	10139.1	10289.0	10031.3	9558.0	9430.3	9463.1
60°	7067.5	7089.7	7484.5	8224.9	9286.2	10198.8	10463.6	10349.9	9949.3	9821.6	9866.1
62.5°	5775.3	5808.2	6280.3	7272.5	8563.4	10021.9	10632.3	10613.5	10313.6	10196.5	10236.3
65°	3947.9	4005.3	4527.7	5782.4	7449.4	9480.7	10785.7	10920.4	10635.8	10488.2	10540.9
67.5°	2383.9	2426.1	2804.5	3817.8	5700.4	8388.9	10627.6	11269.5	10863.0	10625.2	10668.6
68°	2130.9	2169.6	2485.9	3445.3	5272.8	8080.8	10483.5	11309.4	10887.6	10622.9	10661.6
70°	1287.4	1313.2	1525.3	2129.7	3515.6	6410.3	9500.6	11276.6	11044.6	10655.7	10678.0
72.5°	838.8	847.0	882.1	1093.0	1795.9	3584.7	7130.7	10508.1	11280.1	10846.6	10843.1
75°	697.0	692.3	695.9	720.5	885.6	1572.1	4166.9	8301.0	10752.9	10545.6	10471.8
77.5°	589.2	585.7	584.6	585.7	592.8	759.1	1808.8	5170.9	8228.4	9328.4	9394.0
80°	476.8	472.1	487.3	480.3	459.2	472.1	757.9	2150.8	3878.7	4172.8	3910.4
82.5°	346.8	329.2	394.8	376.0	358.5	332.7	418.2	694.7	925.5	634.9	446.3
85°	267.1	248.4	299.9	288.2	246.0	169.9	248.4	339.7	374.9	214.4	168.7
87.5°	108.9	114.8	216.7	171.0	144.1	82.0	101.9	135.9	182.7	91.4	70.3
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)