

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: P317072

Luminaire Tested: **GAN-SA8A-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317072  
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-SA8A-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34768 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

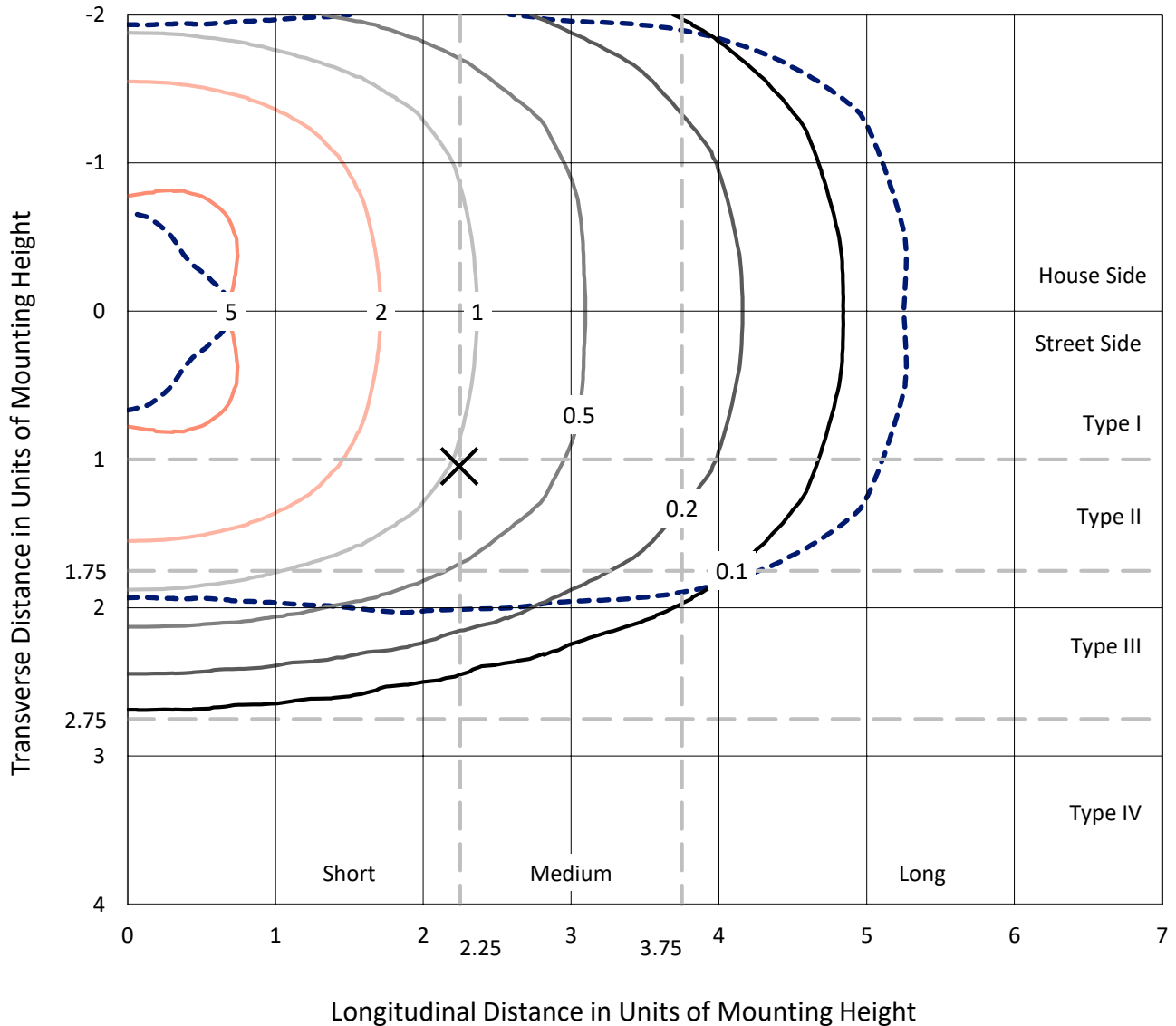
Input Watts (W): 257  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

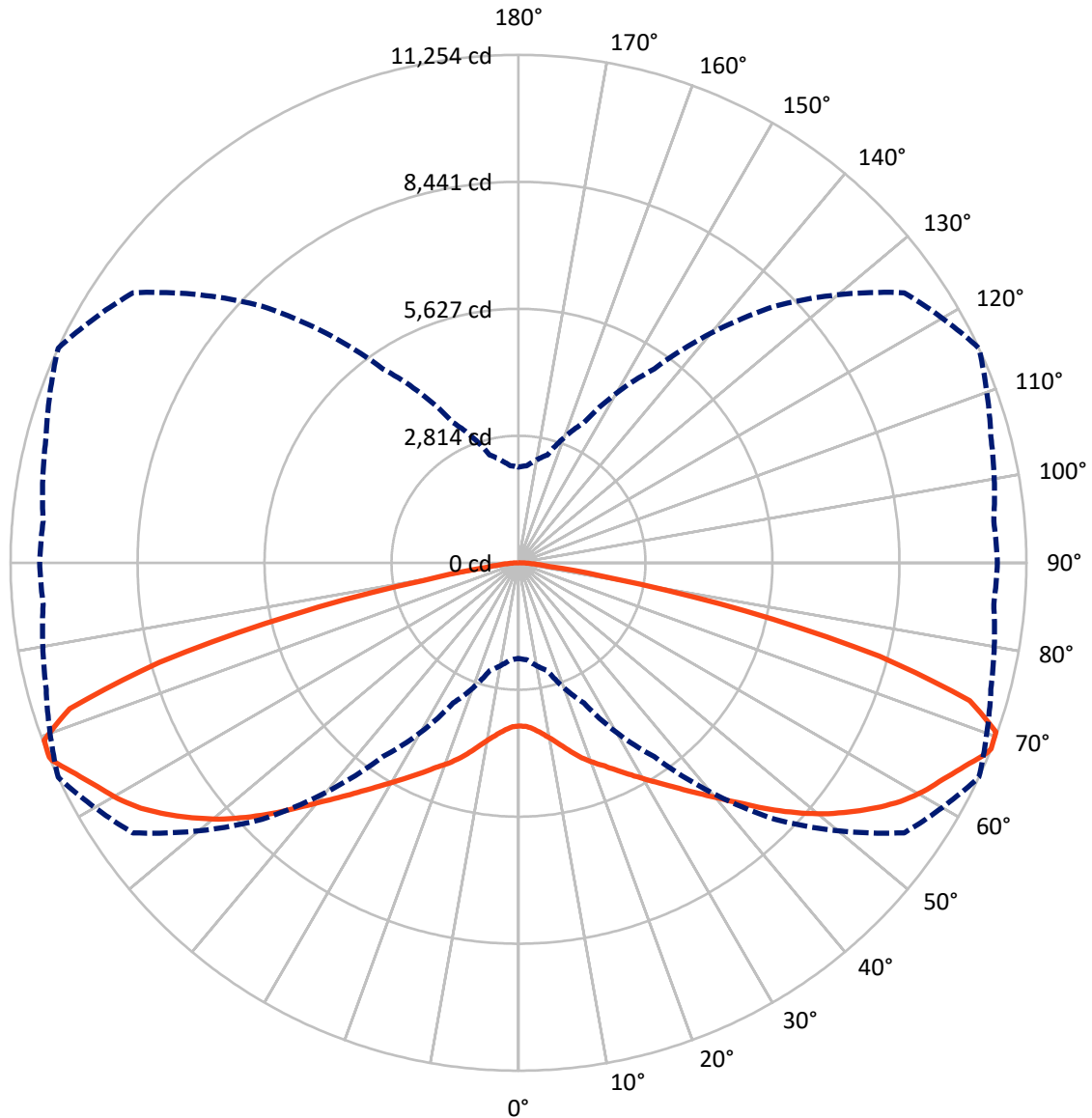
× Max cd  
 - - - 1/2 Max cd



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	17384.0	0.0	17384.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17384.0	0.0	17384.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34768.0	0.0	34768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.9	1.0
10°-20°	1185.1	3.4
20°-30°	2310.7	6.6
30°-40°	3881.8	11.2
40°-50°	6116.4	17.6
50°-60°	8179.6	23.5
60°-70°	7951.6	22.9
70°-80°	4346.7	12.5
80°-90°	442.1	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°	34768.0	100.0
0°-180°	34768.0	100.0

**Coefficient of Utilization**

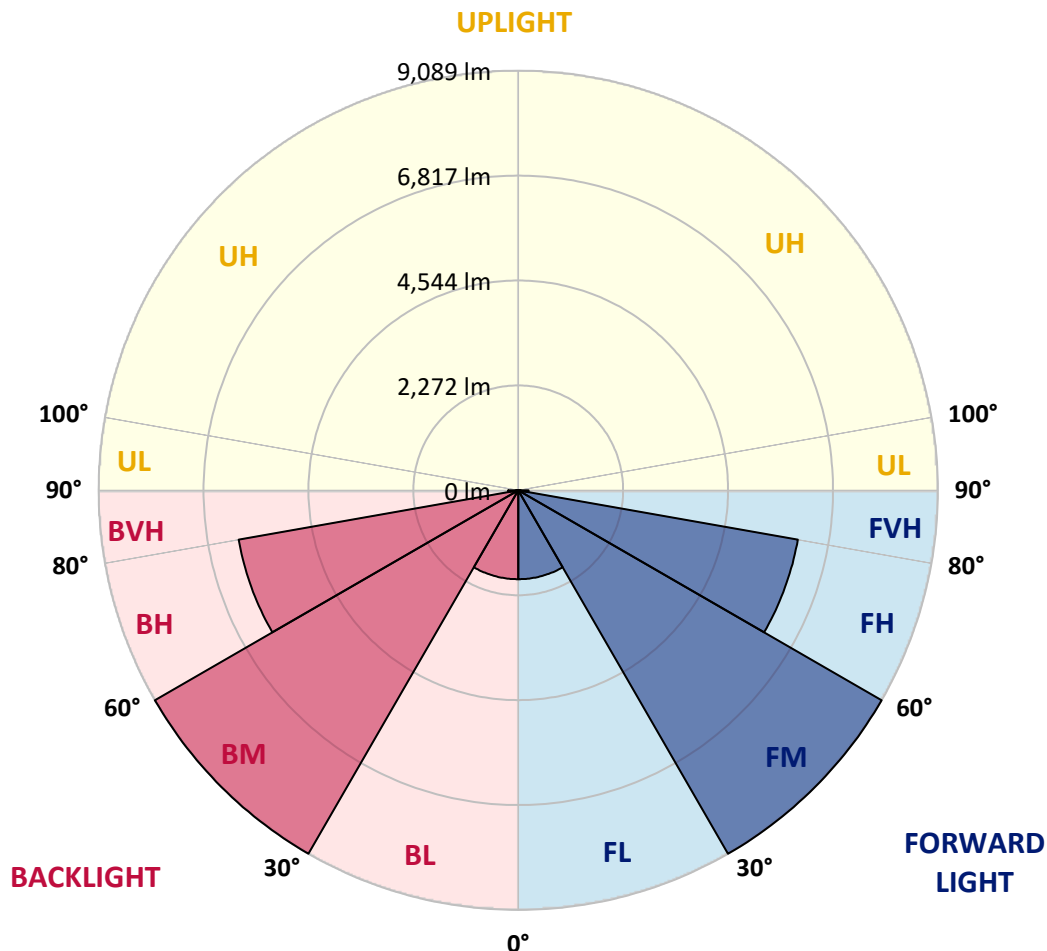


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1924.9	5.5			
FM (30°-60°)	9088.9	26.1			
FH (60°-80°)	6149.2	17.7			G3/7500
FVH (80°-90°)	221.0	0.6			G2/225
BL (0°-30°)	1924.9	5.5	B3/2500		
BM (30°-60°)	9088.9	26.1	B5		
BH (60°-80°)	6149.2	17.7	B5		G5
BVH (80°-90°)	221.0	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°	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1	3615.1
2.5°	3589.4	3590.6	3596.4	3603.4	3609.2	3624.4	3627.9	3633.7	3636.0	3641.9	3641.9
5°	3557.9	3560.3	3574.3	3592.9	3613.9	3651.2	3678.0	3708.3	3723.5	3739.8	3738.6
7.5°	3554.4	3560.3	3580.1	3610.4	3645.4	3707.1	3763.1	3823.7	3864.5	3901.8	3899.5
10°	3590.6	3599.9	3627.9	3673.3	3725.8	3802.7	3885.5	3967.1	4038.2	4095.4	4097.7
12.5°	3645.4	3657.0	3701.3	3770.1	3849.4	3948.5	4046.4	4138.5	4236.4	4321.5	4328.5
15°	3717.6	3732.8	3799.2	3901.8	4023.1	4140.8	4245.7	4340.2	4453.2	4571.0	4582.6
17.5°	3824.9	3845.9	3933.3	4072.0	4231.7	4361.1	4470.7	4541.8	4636.3	4757.5	4779.7
20°	3988.1	4014.9	4125.7	4291.2	4485.9	4621.1	4705.0	4720.2	4766.8	4875.3	4900.9
22.5°	4200.3	4223.6	4347.2	4544.2	4762.2	4909.1	4953.4	4892.7	4888.1	4975.5	5000.0
25°	4436.9	4457.9	4601.3	4822.8	5057.1	5219.2	5218.0	5100.2	5018.6	5086.3	5111.9
27.5°	4702.7	4735.4	4872.9	5106.1	5356.7	5516.4	5507.1	5325.2	5170.2	5187.7	5209.8
30°	5008.1	5044.3	5178.4	5415.0	5665.6	5821.9	5810.2	5570.1	5336.9	5290.3	5306.6
32.5°	5387.0	5430.2	5557.2	5790.4	6011.9	6152.9	6119.1	5835.8	5537.4	5436.0	5451.1
35°	5842.8	5868.5	6002.6	6232.2	6411.7	6508.5	6437.4	6143.6	5791.5	5669.1	5669.1
37.5°	6304.5	6324.3	6474.7	6697.4	6871.1	6922.3	6783.6	6480.5	6123.8	5950.1	5953.6
40°	6747.5	6801.1	6970.1	7198.6	7370.0	7384.0	7199.8	6865.2	6493.3	6313.8	6334.8
42.5°	7210.3	7262.7	7464.4	7723.2	7874.8	7898.1	7682.4	7296.6	6910.7	6765.0	6788.3
45°	7623.0	7664.9	7898.1	8198.9	8387.7	8448.3	8193.0	7790.8	7361.8	7219.6	7225.4
47.5°	7910.9	7965.7	8222.2	8576.6	8851.7	8945.0	8694.3	8272.3	7806.0	7633.5	7648.6
50°	8172.1	8201.2	8461.2	8848.2	9197.9	9390.3	9175.8	8747.9	8254.8	8071.8	8088.1
52.5°	8317.8	8355.1	8606.9	9010.2	9424.1	9734.2	9603.6	9175.8	8688.5	8510.1	8529.9
55°	8216.3	8244.3	8546.3	9046.4	9564.0	9946.4	9966.2	9594.3	9114.0	8957.8	9013.7
57.5°	7754.7	7789.7	8158.1	8813.2	9581.5	10089.7	10239.0	9982.5	9511.5	9384.5	9417.1
60°	7033.1	7055.2	7448.1	8184.9	9241.1	10149.2	10412.7	10299.6	9900.9	9773.8	9818.1
62.5°	5747.2	5779.9	6249.7	7237.1	8521.8	9973.2	10580.5	10561.9	10263.4	10146.9	10186.5
65°	3928.6	3985.8	4505.7	5754.2	7413.1	9434.6	10733.2	10867.3	10584.0	10437.1	10489.6
67.5°	2372.3	2414.3	2790.9	3799.2	5672.6	8348.1	10575.9	11214.7	10810.2	10573.5	10616.7
68°	2120.5	2159.0	2473.8	3428.5	5247.1	8041.5	10432.5	11254.3	10834.7	10571.2	10609.7
70°	1281.2	1306.8	1517.8	2119.4	3498.5	6379.1	9454.4	11221.7	10990.9	10603.8	10626.0
72.5°	834.7	842.9	877.8	1087.7	1787.1	3567.3	7096.0	10457.0	11225.2	10793.9	10790.4
75°	693.6	689.0	692.5	716.9	881.3	1564.5	4146.6	8260.6	10700.6	10494.3	10420.8
77.5°	586.4	582.9	581.7	582.9	589.9	755.4	1799.9	5145.7	8188.4	9283.0	9348.3
80°	474.5	469.8	485.0	478.0	457.0	469.8	754.3	2140.4	3859.9	4152.5	3891.3
82.5°	345.1	327.6	392.9	374.2	356.7	331.1	416.2	691.3	921.0	631.8	444.2
85°	265.8	247.1	298.4	286.8	244.8	169.0	247.1	338.1	373.0	213.3	167.9
87.5°	108.4	114.2	215.7	170.2	143.4	81.6	101.4	135.2	181.9	90.9	69.9
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)