

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: P317114

Luminaire Tested: **GAN-SA0A-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317114  
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-SA0A-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47151 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 323  
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

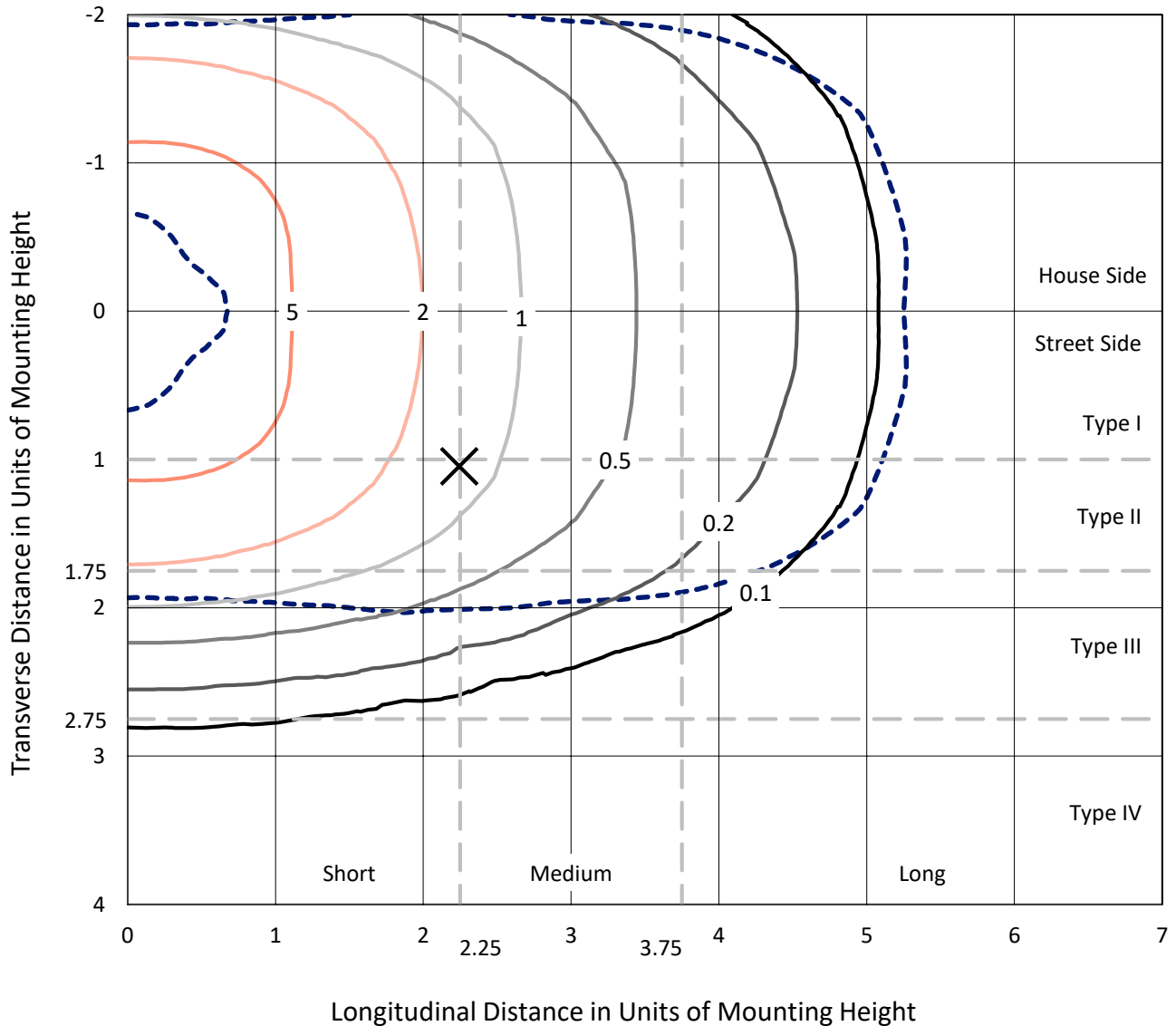




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### Iso-Footcandle Lines of Horizontal Illumination

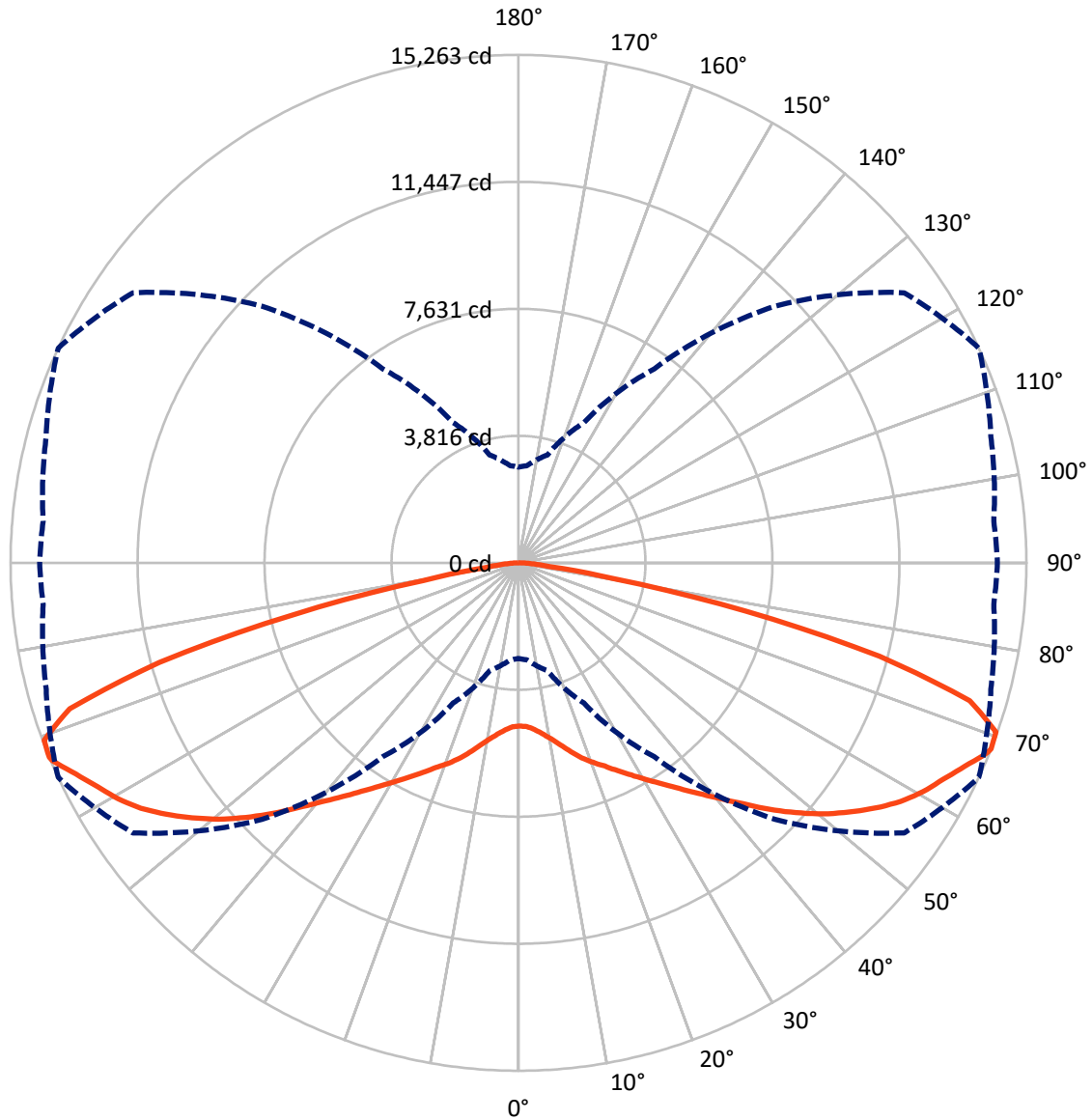
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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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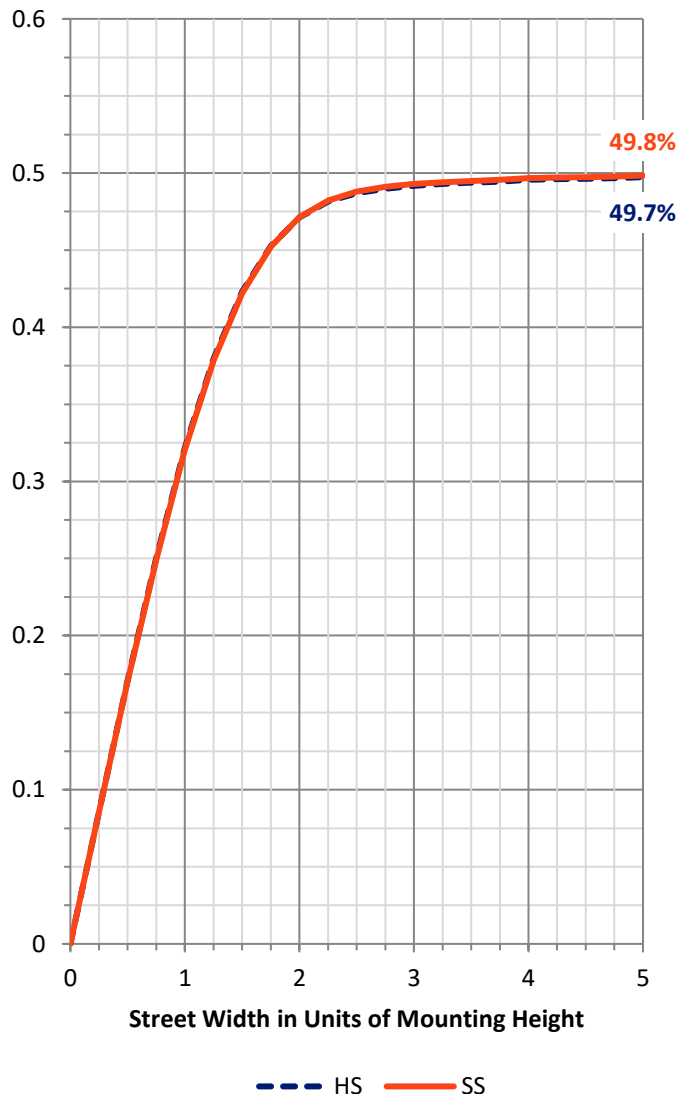
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23575.5	0.0	23575.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23575.5	0.0	23575.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47151.0	0.0	47151.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.0	1.0
10°-20°	1607.2	3.4
20°-30°	3133.7	6.6
30°-40°	5264.4	11.2
40°-50°	8294.8	17.6
50°-60°	11092.9	23.5
60°-70°	10783.7	22.9
70°-80°	5894.9	12.5
80°-90°	599.5	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°	47151.0	100.0
0°-180°	47151.0	100.0

**Coefficient of Utilization**

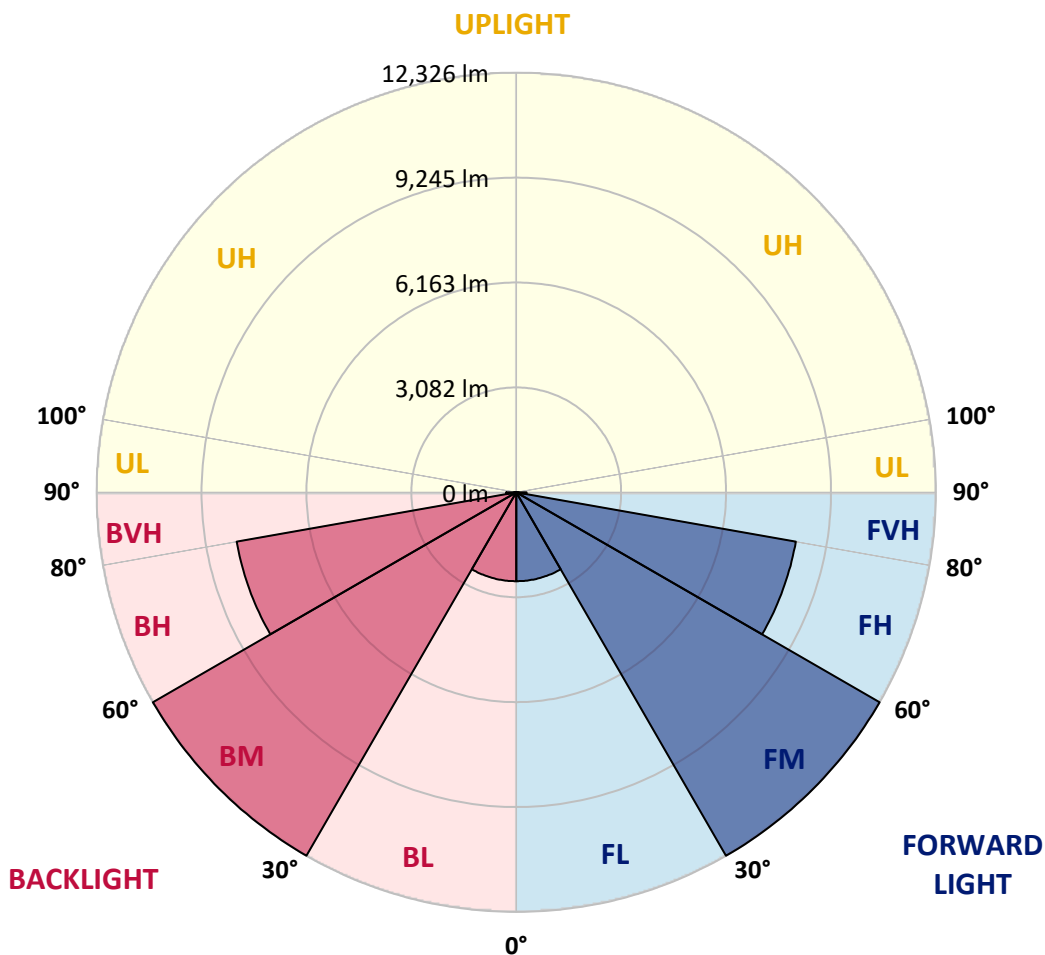


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2610.5	5.5			
FM (30°-60°)	12326.0	26.1			
FH (60°-80°)	8339.3	17.7			G4/12000
FVH (80°-90°)	299.8	0.6			G3/500
BL (0°-30°)	2610.5	5.5	B4/5000		
BM (30°-60°)	12326.0	26.1	B5		
BH (60°-80°)	8339.3	17.7	B5		G5
BVH (80°-90°)	299.8	0.6			G3/500
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°	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6	4902.6
2.5°	4867.8	4869.4	4877.3	4886.8	4894.7	4915.2	4920.0	4927.9	4931.1	4939.0	4939.0
5°	4825.1	4828.3	4847.3	4872.6	4901.0	4951.6	4988.0	5029.1	5049.6	5071.8	5070.2
7.5°	4820.4	4828.3	4855.2	4896.3	4943.7	5027.5	5103.4	5185.6	5240.9	5291.5	5288.4
10°	4869.4	4882.0	4920.0	4981.6	5052.8	5157.1	5269.4	5380.0	5476.5	5554.0	5557.1
12.5°	4943.7	4959.5	5019.6	5112.9	5220.4	5354.8	5487.6	5612.5	5745.3	5860.7	5870.1
15°	5041.7	5062.3	5152.4	5291.5	5455.9	5615.6	5757.9	5886.0	6039.3	6199.0	6214.8
17.5°	5187.2	5215.6	5334.2	5522.3	5738.9	5914.4	6063.0	6159.5	6287.5	6451.9	6482.0
20°	5408.5	5444.9	5595.1	5819.6	6083.6	6267.0	6380.8	6401.4	6464.6	6611.6	6646.4
22.5°	5696.2	5727.9	5895.4	6162.6	6458.3	6657.5	6717.6	6635.3	6629.0	6747.6	6780.8
25°	6017.2	6045.6	6240.1	6540.5	6858.3	7078.0	7076.4	6916.8	6806.1	6897.8	6932.6
27.5°	6377.6	6421.9	6608.5	6924.7	7264.6	7481.2	7468.5	7221.9	7011.6	7035.3	7065.4
30°	6791.9	6840.9	7022.7	7343.6	7683.5	7895.4	7879.6	7553.9	7237.7	7174.5	7196.6
32.5°	7305.7	7364.2	7536.5	7852.7	8153.1	8344.4	8298.5	7914.3	7509.6	7372.1	7392.6
35°	7923.8	7958.6	8140.4	8451.9	8695.3	8826.6	8730.1	8331.7	7854.3	7688.3	7688.3
37.5°	8549.9	8576.8	8780.7	9082.7	9318.2	9387.8	9199.7	8788.6	8304.8	8069.3	8074.0
40°	9150.7	9223.4	9452.6	9762.5	9994.9	10013.9	9764.1	9310.3	8806.0	8562.5	8591.0
42.5°	9778.3	9849.5	10123.0	10473.9	10679.5	10711.1	10418.6	9895.3	9372.0	9174.4	9206.0
45°	10338.0	10394.9	10711.1	11119.0	11375.1	11457.3	11111.1	10565.6	9983.8	9791.0	9798.9
47.5°	10728.5	10802.8	11150.6	11631.2	12004.3	12130.8	11790.9	11218.6	10586.2	10352.2	10372.8
50°	11082.6	11122.1	11474.7	11999.6	12473.9	12734.7	12443.8	11863.6	11194.9	10946.7	10968.8
52.5°	11280.2	11330.8	11672.3	12219.3	12780.6	13201.1	13024.0	12443.8	11783.0	11541.1	11568.0
55°	11142.7	11180.6	11590.1	12268.3	12970.3	13488.9	13515.7	13011.4	12360.0	12148.2	12224.1
57.5°	10516.6	10564.1	11063.6	11952.1	12994.0	13683.3	13885.7	13537.9	12899.2	12726.8	12771.1
60°	9538.0	9568.0	10100.8	11100.0	12532.4	13763.9	14121.2	13967.9	13427.2	13254.9	13314.9
62.5°	7794.2	7838.5	8475.6	9814.7	11556.9	13525.2	14348.9	14323.6	13918.9	13760.8	13814.5
65°	5327.9	5405.3	6110.5	7803.7	10053.4	12794.8	14556.0	14737.8	14353.6	14154.4	14225.6
67.5°	3217.3	3274.2	3784.8	5152.4	7693.0	11321.3	14342.6	15209.0	14660.4	14339.4	14397.9
68°	2875.8	2928.0	3354.8	4649.6	7116.0	10905.5	14148.1	15262.7	14693.6	14336.3	14388.4
70°	1737.5	1772.3	2058.4	2874.2	4744.5	8651.1	12821.7	15218.4	14905.4	14380.5	14410.6
72.5°	1132.0	1143.0	1190.5	1475.0	2423.6	4837.8	9623.4	14181.3	15223.2	14638.2	14633.5
75°	940.7	934.4	939.1	972.3	1195.2	2121.7	5623.5	11202.8	14511.7	14231.9	14132.3
77.5°	795.2	790.5	788.9	790.5	800.0	1024.5	2441.0	6978.4	11104.7	12589.3	12677.8
80°	643.5	637.1	657.7	648.2	619.7	637.1	1022.9	2902.7	5234.6	5631.4	5277.3
82.5°	468.0	444.3	532.8	507.5	483.8	449.0	564.4	937.5	1249.0	856.9	602.4
85°	360.5	335.2	404.7	388.9	332.0	229.2	335.2	458.5	505.9	289.3	227.7
87.5°	147.0	154.9	292.5	230.8	194.5	110.7	137.5	183.4	246.6	123.3	94.9
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)