

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: P317154

Luminaire Tested: **GAN-SA0A-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317154
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47150 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

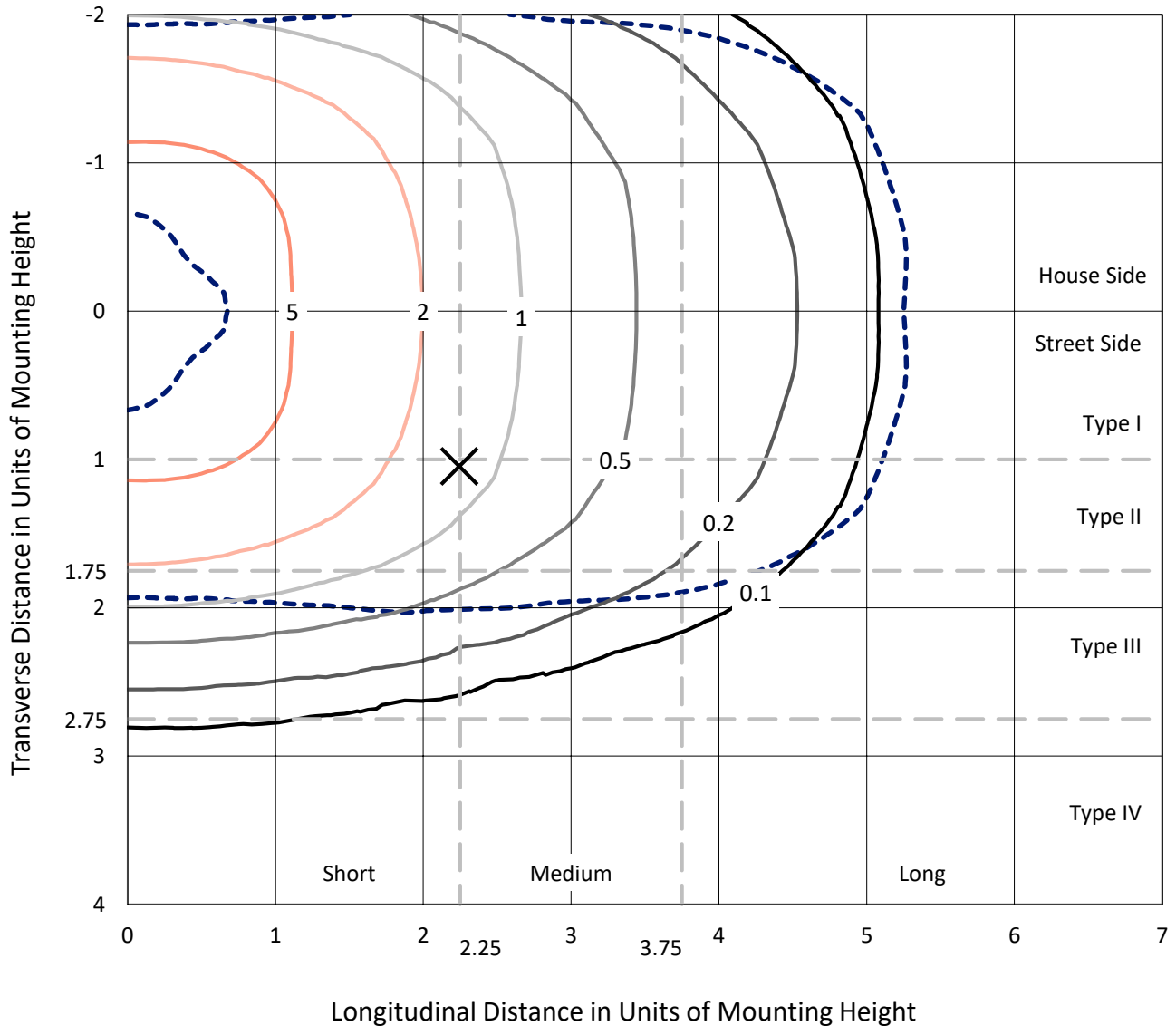
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

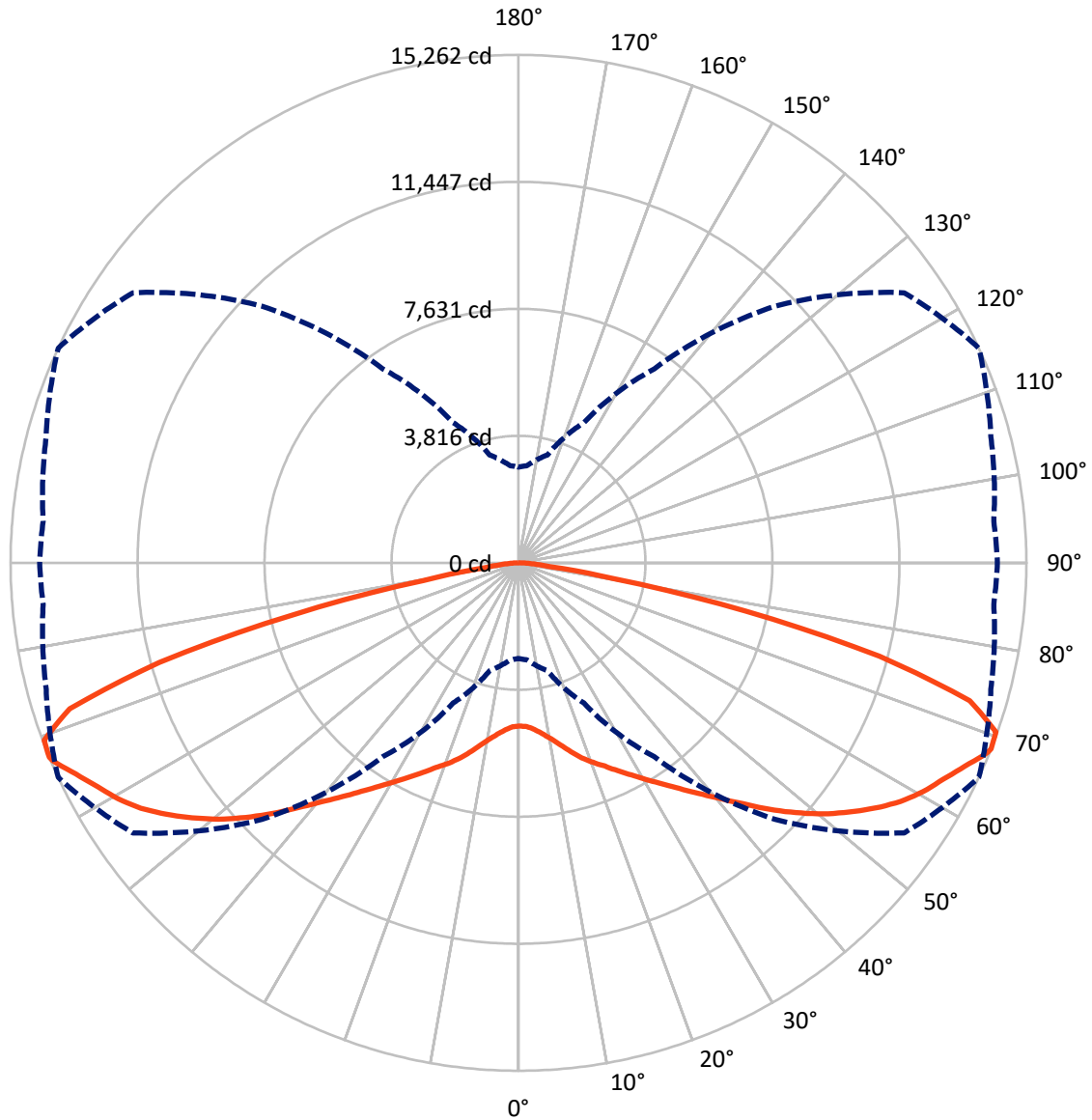
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	23575.0	0.0	23575.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23575.0	0.0	23575.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47150.0	0.0	47150.0
	% 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°	3133.6	6.6
30°-40°	5264.3	11.2
40°-50°	8294.6	17.6
50°-60°	11092.6	23.5
60°-70°	10783.4	22.9
70°-80°	5894.8	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°	47150.0	100.0
0°-180°	47150.0	100.0

Coefficient of Utilization

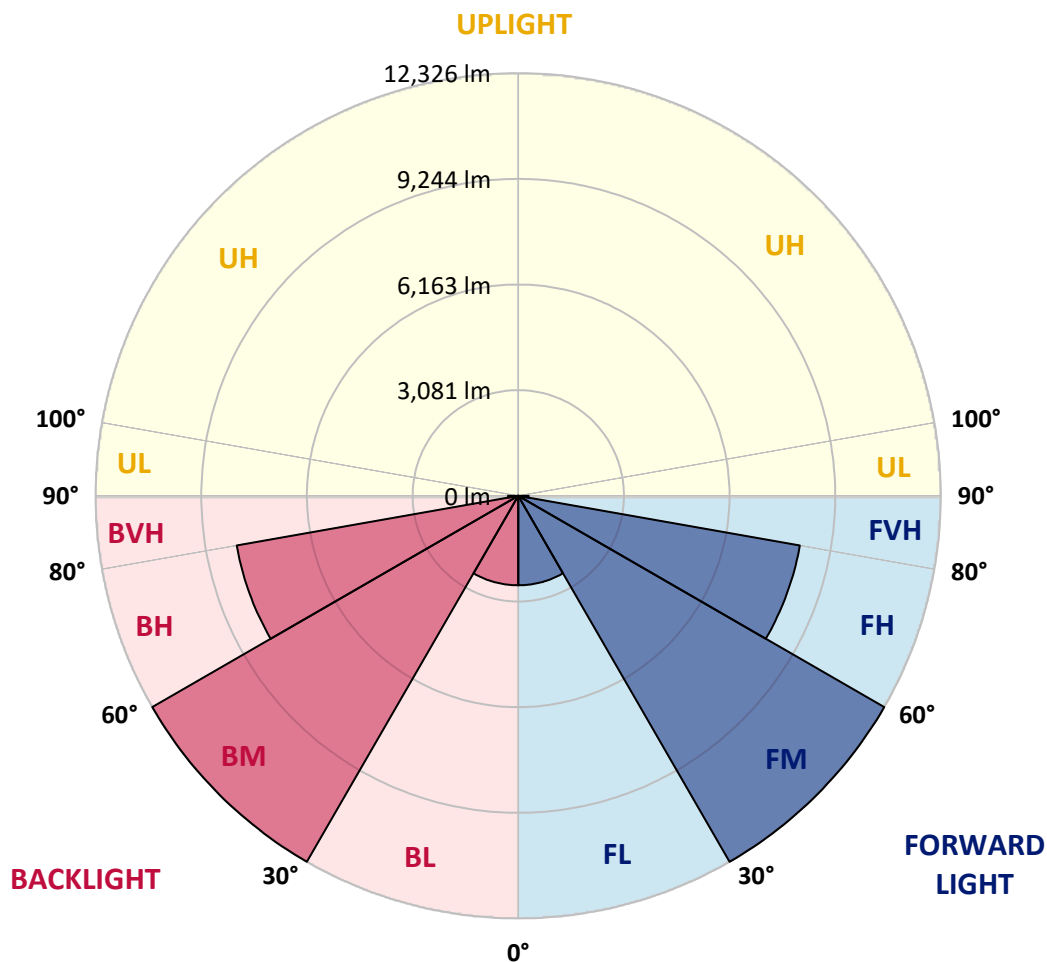


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2610.4	5.5			
FM (30°-60°)	12325.8	26.1			
FH (60°-80°)	8339.1	17.7			G4/12000
FVH (80°-90°)	299.8	0.6			G3/500
BL (0°-30°)	2610.4	5.5	B4/5000		
BM (30°-60°)	12325.8	26.1	B5		
BH (60°-80°)	8339.1	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°	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5
2.5°	4867.7	4869.3	4877.2	4886.7	4894.6	4915.1	4919.9	4927.8	4930.9	4938.9	4938.9
5°	4825.0	4828.2	4847.2	4872.5	4900.9	4951.5	4987.9	5029.0	5049.5	5071.7	5070.1
7.5°	4820.3	4828.2	4855.1	4896.2	4943.6	5027.4	5103.3	5185.5	5240.8	5291.4	5288.2
10°	4869.3	4881.9	4919.9	4981.5	5052.7	5157.0	5269.3	5379.9	5476.4	5553.8	5557.0
12.5°	4943.6	4959.4	5019.5	5112.8	5220.3	5354.6	5487.4	5612.3	5745.1	5860.5	5870.0
15°	5041.6	5062.2	5152.3	5291.4	5455.8	5615.5	5757.8	5885.8	6039.2	6198.9	6214.7
17.5°	5187.1	5215.5	5334.1	5522.2	5738.8	5914.3	6062.9	6159.3	6287.4	6451.8	6481.8
20°	5408.4	5444.8	5594.9	5819.4	6083.5	6266.8	6380.7	6401.2	6464.5	6611.5	6646.3
22.5°	5696.1	5727.7	5895.3	6162.5	6458.1	6657.3	6717.4	6635.2	6628.9	6747.4	6780.6
25°	6017.1	6045.5	6240.0	6540.3	6858.1	7077.9	7076.3	6916.6	6805.9	6897.6	6932.4
27.5°	6377.5	6421.8	6608.3	6924.5	7264.4	7481.0	7468.4	7221.7	7011.5	7035.2	7065.2
30°	6791.7	6840.7	7022.5	7343.5	7683.4	7895.2	7879.4	7553.7	7237.5	7174.3	7196.4
32.5°	7305.5	7364.0	7536.3	7852.5	8152.9	8344.2	8298.3	7914.2	7509.5	7371.9	7392.5
35°	7923.7	7958.4	8140.3	8451.7	8695.2	8826.4	8729.9	8331.5	7854.1	7688.1	7688.1
37.5°	8549.7	8576.6	8780.5	9082.5	9318.1	9387.6	9199.5	8788.4	8304.7	8069.1	8073.9
40°	9150.5	9223.2	9452.4	9762.3	9994.7	10013.7	9763.9	9310.1	8805.8	8562.4	8590.8
42.5°	9778.1	9849.2	10122.7	10473.7	10679.2	10710.9	10418.4	9895.1	9371.8	9174.2	9205.8
45°	10337.8	10394.7	10710.9	11118.7	11374.9	11457.1	11110.8	10565.4	9983.6	9790.8	9798.7
47.5°	10728.2	10802.6	11150.4	11631.0	12004.1	12130.5	11790.6	11218.3	10586.0	10352.0	10372.5
50°	11082.4	11121.9	11474.5	11999.3	12473.6	12734.5	12443.6	11863.4	11194.6	10946.4	10968.6
52.5°	11280.0	11330.6	11672.1	12219.1	12780.3	13200.8	13023.8	12443.6	11782.7	11540.9	11567.7
55°	11142.5	11180.4	11589.9	12268.1	12970.0	13488.6	13515.4	13011.1	12359.8	12147.9	12223.8
57.5°	10516.4	10563.8	11063.4	11951.9	12993.7	13683.0	13885.4	13537.6	12898.9	12726.6	12770.8
60°	9537.8	9567.8	10100.6	11099.8	12532.1	13763.7	14120.9	13967.6	13426.9	13254.6	13314.7
62.5°	7794.0	7838.3	8475.4	9814.5	11556.7	13524.9	14348.6	14323.3	13918.6	13760.5	13814.2
65°	5327.8	5405.2	6110.3	7803.5	10053.2	12794.5	14555.7	14737.5	14353.3	14154.1	14225.3
67.5°	3217.2	3274.1	3784.8	5152.3	7692.8	11321.1	14342.3	15208.6	14660.0	14339.1	14397.6
68°	2875.7	2927.9	3354.8	4649.5	7115.8	10905.3	14147.8	15262.4	14693.2	14336.0	14388.1
70°	1737.5	1772.2	2058.4	2874.1	4744.4	8650.9	12821.4	15218.1	14905.1	14380.2	14410.3
72.5°	1132.0	1143.0	1190.4	1475.0	2423.6	4837.7	9623.2	14181.0	15222.9	14637.9	14633.2
75°	940.7	934.3	939.1	972.3	1195.2	2121.6	5623.4	11202.5	14511.4	14231.6	14132.0
77.5°	795.2	790.5	788.9	790.5	800.0	1024.4	2441.0	6978.3	11104.5	12589.0	12677.5
80°	643.4	637.1	657.7	648.2	619.7	637.1	1022.9	2902.6	5234.5	5631.3	5277.2
82.5°	468.0	444.2	532.8	507.5	483.8	449.0	564.4	937.5	1248.9	856.9	602.3
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)