

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: P317174

Luminaire Tested: **GAN-SA0C-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317174
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-SA0C-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71563 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

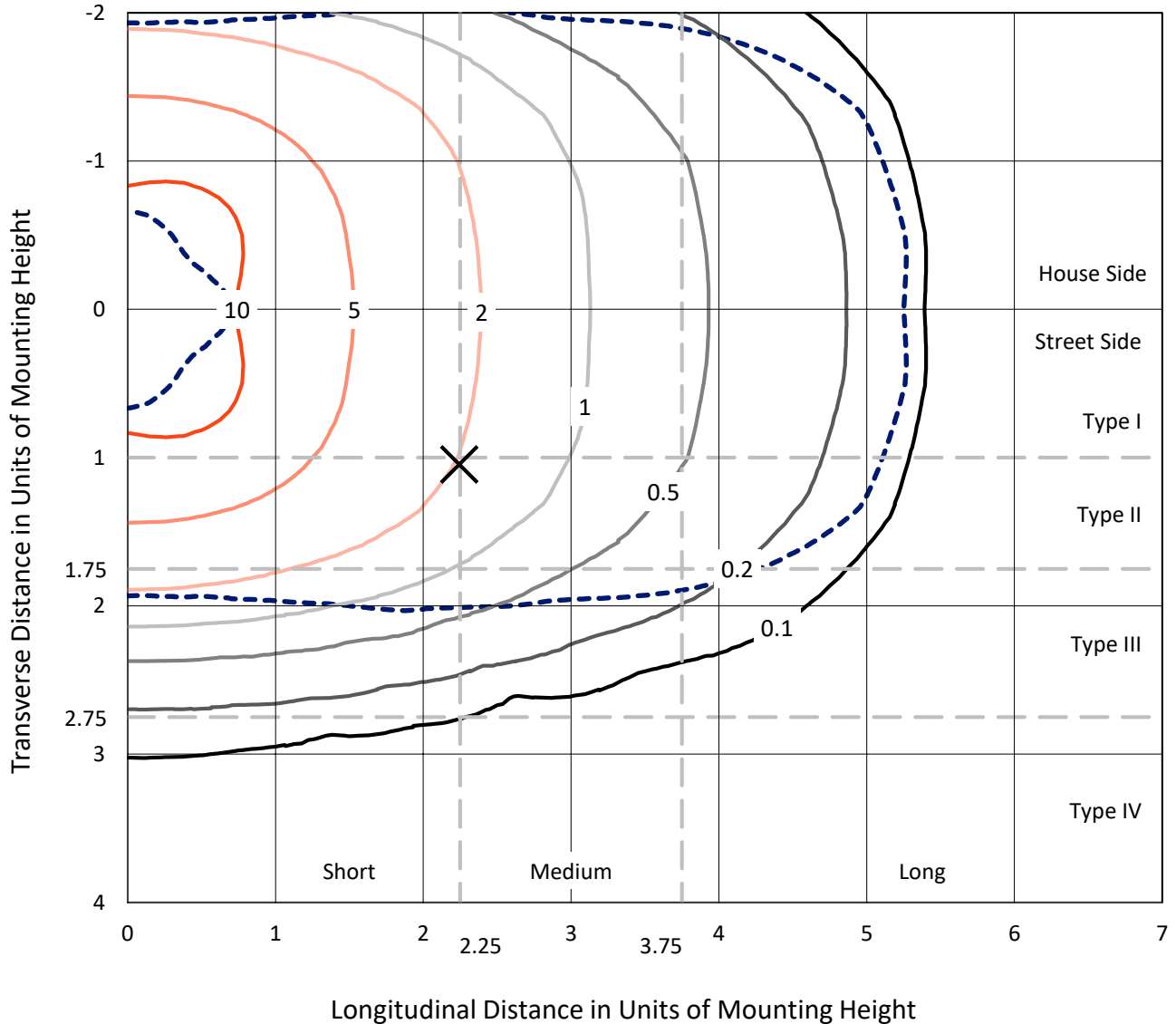
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

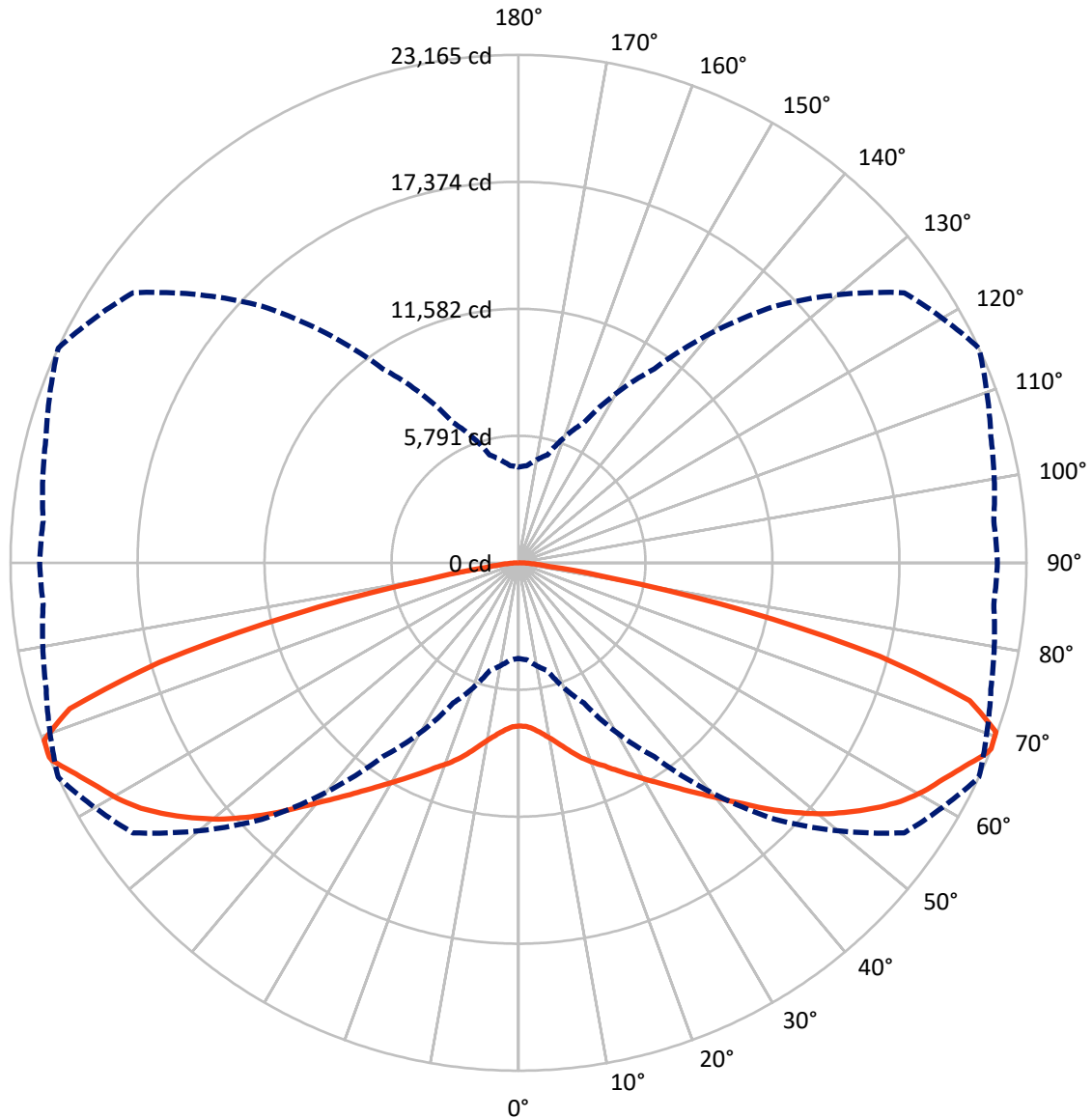
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	35781.5	0.0	35781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35781.5	0.0	35781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71563.0	0.0	71563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.5	1.0
10°-20°	2439.4	3.4
20°-30°	4756.1	6.6
30°-40°	7990.0	11.2
40°-50°	12589.3	17.6
50°-60°	16836.1	23.5
60°-70°	16366.8	22.9
70°-80°	8946.9	12.5
80°-90°	909.9	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°	71563.0	100.0
0°-180°	71563.0	100.0

Coefficient of Utilization

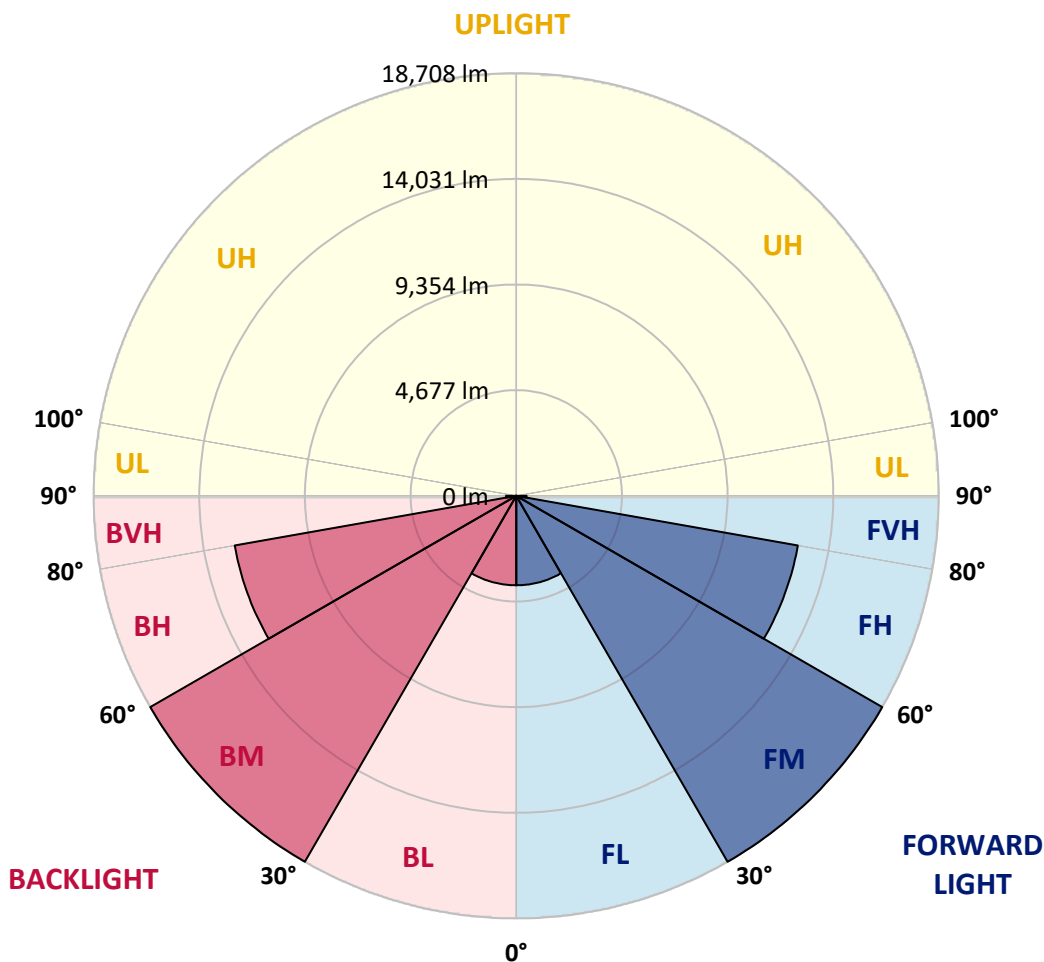


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3962.0	5.5			
FM	(30°-60°)	18707.7	26.1			
FH	(60°-80°)	12656.8	17.7			G5
FVH	(80°-90°)	455.0	0.6			G3/500
BL	(0°-30°)	3962.0	5.5	B4/5000		
BM	(30°-60°)	18707.7	26.1	B5		
BH	(60°-80°)	12656.8	17.7	B5		G5
BVH	(80°-90°)	455.0	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°	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9	7440.9
2.5°	7388.1	7390.5	7402.5	7416.9	7428.9	7460.1	7467.3	7479.3	7484.1	7496.1	7496.1
5°	7323.3	7328.1	7356.9	7395.3	7438.5	7515.3	7570.4	7632.8	7664.0	7697.6	7695.2
7.5°	7316.1	7328.1	7368.9	7431.3	7503.3	7630.4	7745.6	7870.4	7954.4	8031.1	8026.3
10°	7390.5	7409.7	7467.3	7560.8	7668.8	7827.2	7997.6	8165.5	8311.9	8429.5	8434.3
12.5°	7503.3	7527.3	7618.4	7760.0	7923.2	8127.1	8328.7	8518.2	8719.8	8895.0	8909.4
15°	7652.0	7683.2	7820.0	8031.1	8280.7	8523.0	8739.0	8933.4	9166.1	9408.5	9432.5
17.5°	7872.8	7916.0	8095.9	8381.5	8710.2	8976.6	9202.1	9348.5	9542.8	9792.4	9838.0
20°	8208.7	8263.9	8491.9	8832.6	9233.3	9511.6	9684.4	9715.6	9811.6	10034.7	10087.5
22.5°	8645.4	8693.4	8947.8	9353.3	9802.0	10104.3	10195.5	10070.7	10061.1	10241.1	10291.5
25°	9132.5	9175.7	9470.9	9926.8	10409.1	10742.6	10740.2	10497.8	10329.9	10469.0	10521.8
27.5°	9679.6	9746.8	10029.9	10509.8	11025.7	11354.5	11335.3	10960.9	10641.8	10677.8	10723.4
30°	10308.3	10382.7	10658.6	11145.7	11661.6	11983.1	11959.1	11464.8	10984.9	10889.0	10922.6
32.5°	11088.1	11176.9	11438.4	11918.3	12374.3	12664.6	12595.0	12011.9	11397.7	11188.9	11220.1
35°	12026.3	12079.1	12355.1	12827.8	13197.3	13396.4	13250.1	12645.4	11920.7	11668.8	11668.8
37.5°	12976.5	13017.3	13326.9	13785.2	14142.7	14248.3	13962.7	13338.9	12604.6	12247.1	12254.3
40°	13888.3	13998.7	14346.6	14816.9	15169.7	15198.5	14819.3	14130.7	13365.2	12995.7	13038.9
42.5°	14840.9	14948.9	15364.0	15896.7	16208.7	16256.7	15812.7	15018.5	14224.3	13924.3	13972.3
45°	15690.4	15776.8	16256.7	16875.7	17264.4	17389.2	16863.7	16035.9	15152.9	14860.1	14872.1
47.5°	16283.0	16395.8	16923.7	17653.2	18219.4	18411.4	17895.5	17026.9	16067.1	15712.0	15743.2
50°	16820.5	16880.5	17415.6	18212.3	18932.1	19328.0	18886.5	18005.9	16990.9	16614.2	16647.8
52.5°	17120.5	17197.3	17715.6	18545.8	19397.6	20035.9	19767.1	18886.5	17883.5	17516.4	17557.2
55°	16911.7	16969.3	17590.8	18620.2	19685.5	20472.6	20513.4	19747.9	18759.3	18437.8	18553.0
57.5°	15961.5	16033.5	16791.7	18140.3	19721.5	20767.7	21074.9	20547.0	19577.6	19316.0	19383.2
60°	14476.2	14521.8	15330.4	16846.9	19020.9	20890.1	21432.4	21199.6	20379.0	20117.5	20208.6
62.5°	11829.6	11896.8	12863.8	14896.1	17540.4	20527.8	21777.9	21739.5	21125.3	20885.3	20966.9
65°	8086.3	8203.9	9274.1	11844.0	15258.5	19419.2	22092.3	22368.2	21785.1	21482.8	21590.8
67.5°	4883.0	4969.4	5744.4	7820.0	11676.0	17182.9	21768.3	23083.2	22250.6	21763.5	21852.3
68°	4364.7	4443.9	5091.8	7056.9	10800.2	16551.8	21473.2	23164.8	22301.0	21758.7	21837.9
70°	2637.1	2689.8	3124.2	4362.3	7200.9	13130.1	19460.0	23097.6	22622.5	21825.9	21871.5
72.5°	1718.0	1734.8	1806.8	2238.7	3678.4	7342.5	14605.8	21523.6	23104.8	22217.0	22209.8
75°	1427.7	1418.1	1425.3	1475.7	1814.0	3220.1	8535.0	17002.9	22025.1	21600.4	21449.2
77.5°	1207.0	1199.8	1197.4	1199.8	1214.2	1554.9	3704.8	10591.4	16854.1	19107.3	19241.6
80°	976.6	967.0	998.2	983.8	940.6	967.0	1552.5	4405.5	7944.8	8547.0	8009.6
82.5°	710.3	674.3	808.6	770.2	734.2	681.5	856.6	1422.9	1895.6	1300.5	914.2
85°	547.1	508.7	614.3	590.3	503.9	347.9	508.7	695.9	767.8	439.1	345.5
87.5°	223.2	235.2	443.9	350.3	295.1	168.0	208.8	278.3	374.3	187.2	144.0
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)