

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: P317193

Luminaire Tested: **GAN-SA9A-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317193
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-SA9A-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42586 lumens
Efficiency: N/A
Efficacy: 146.8 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): 290
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

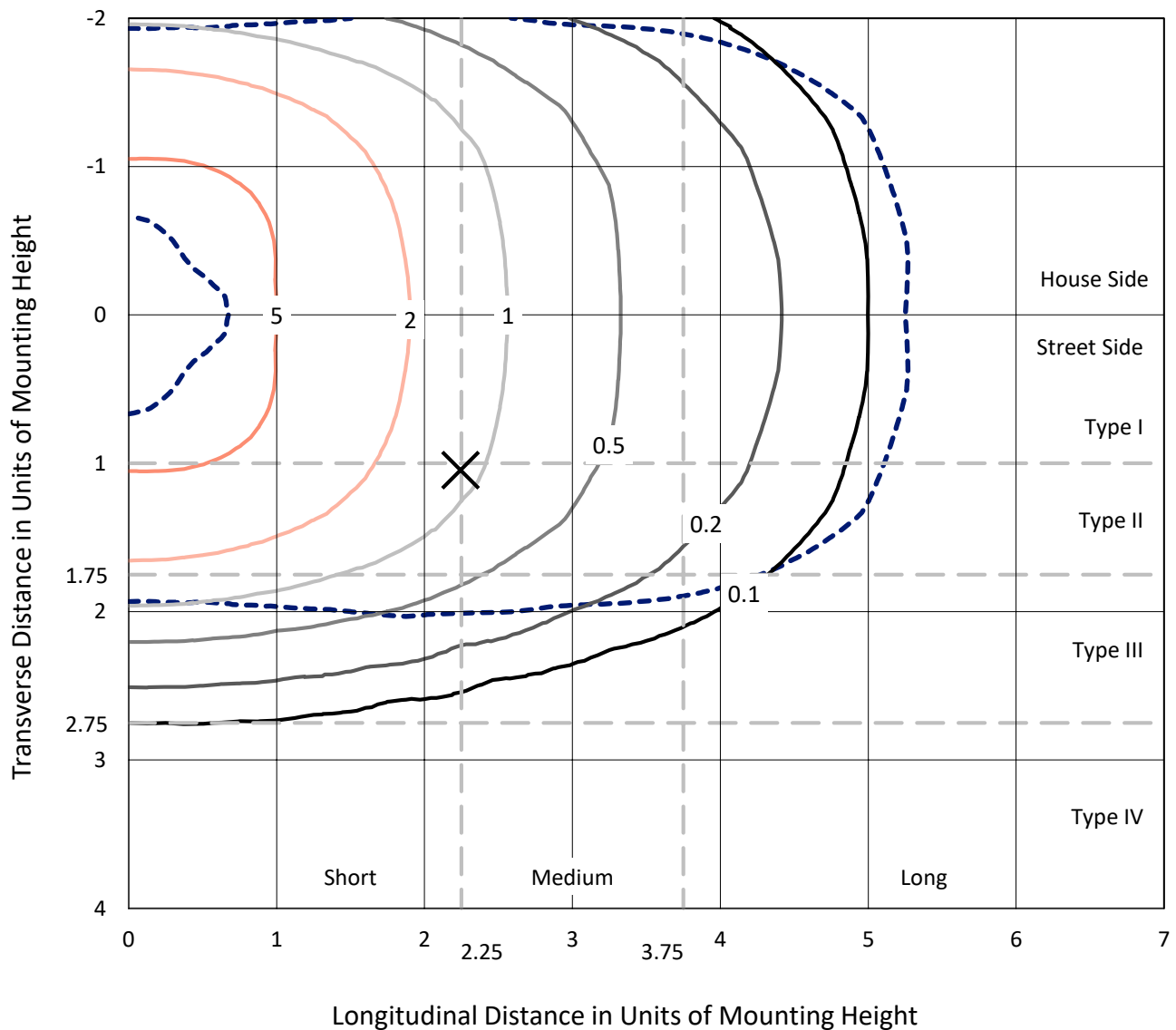


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Iso-Footcandle Lines of Horizontal Illumination

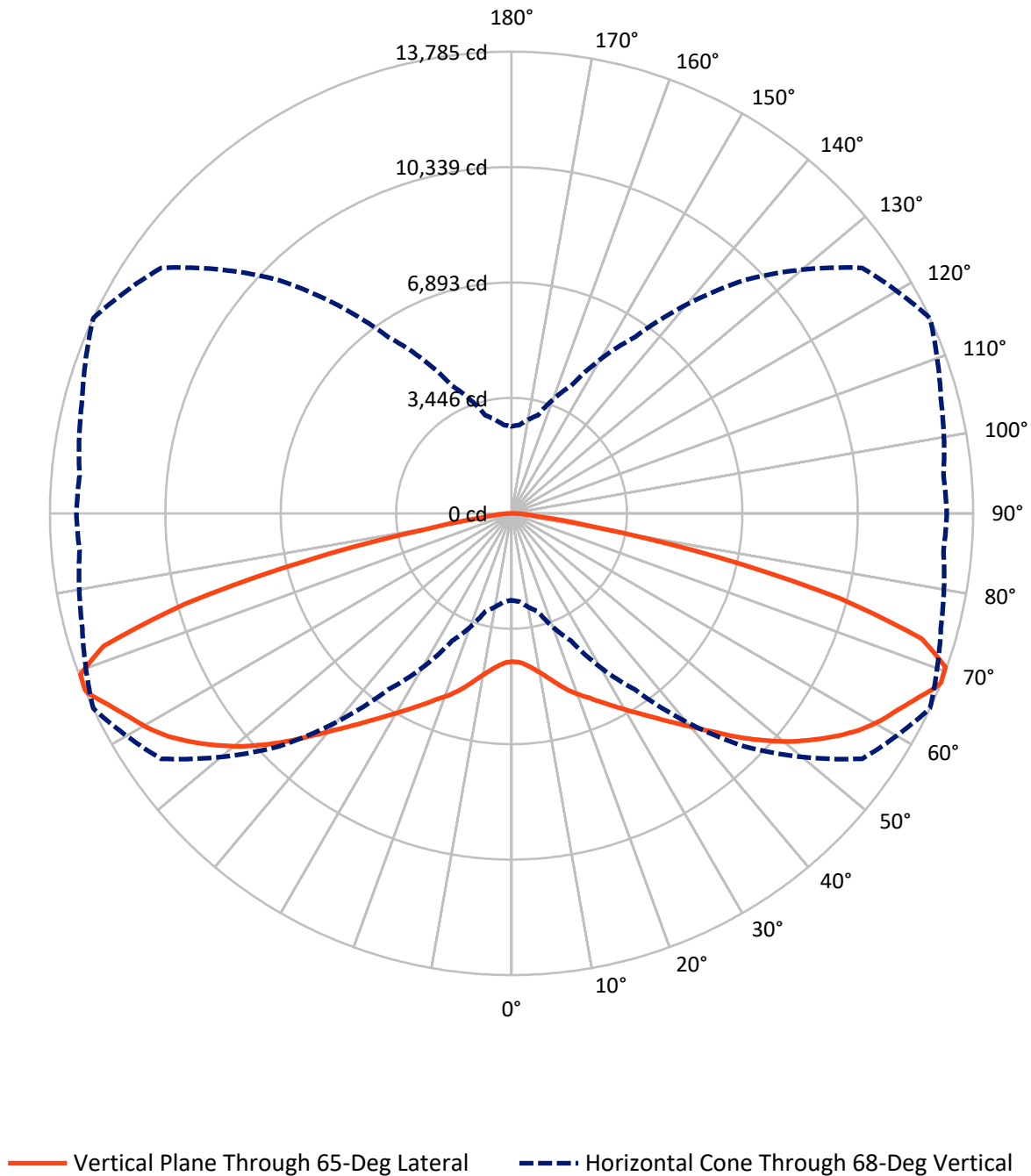
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21293.0	0.0	21293.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21293.0	0.0	21293.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42586.0	0.0	42586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	1.0
10°-20°	1451.6	3.4
20°-30°	2830.3	6.6
30°-40°	4754.7	11.2
40°-50°	7491.7	17.6
50°-60°	10018.9	23.5
60°-70°	9739.6	22.9
70°-80°	5324.2	12.5
80°-90°	541.5	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°	42586.0	100.0
0°-180°	42586.0	100.0

Coefficient of Utilization



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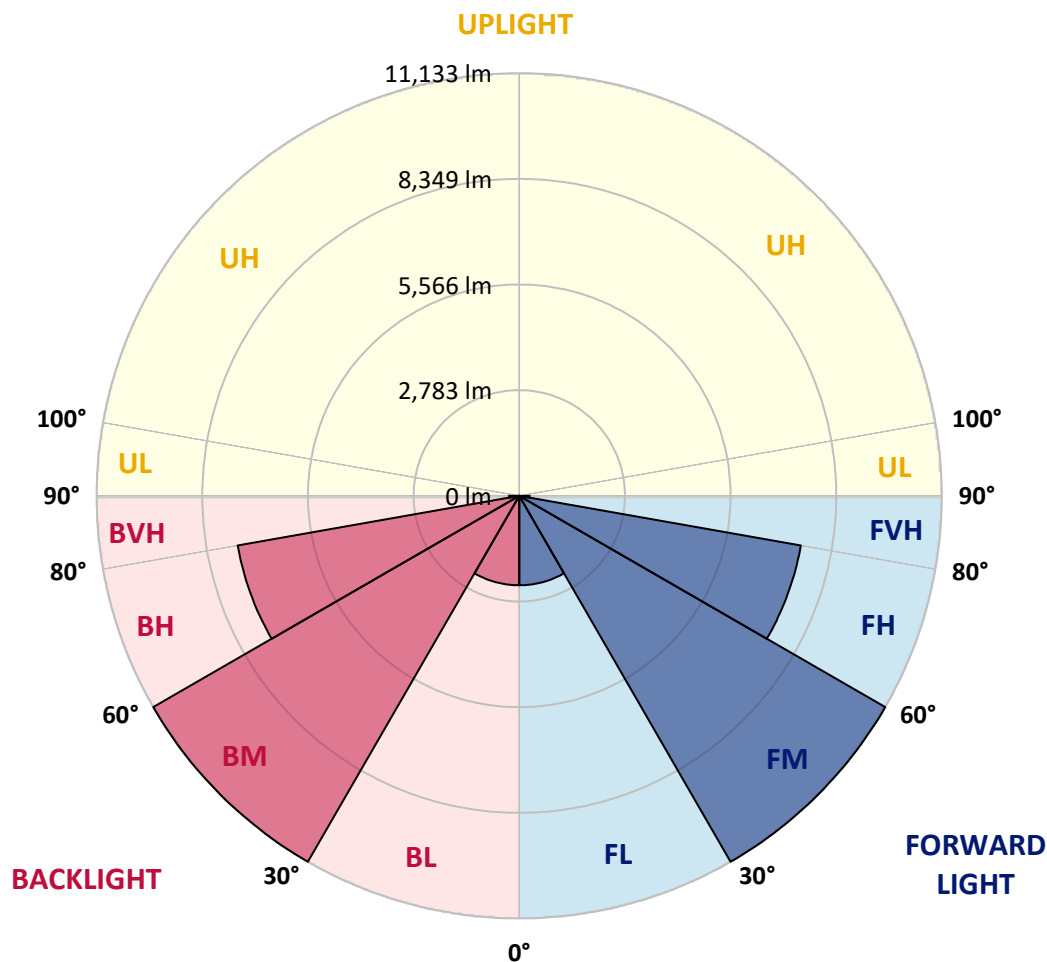
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2357.7	5.5			
FM	(30°-60°)	11132.6	26.1			
FH	(60°-80°)	7531.9	17.7			G4/12000
FVH	(80°-90°)	270.7	0.6			G3/500
BL	(0°-30°)	2357.7	5.5	B3/2500		
BM	(30°-60°)	11132.6	26.1	B5		
BH	(60°-80°)	7531.9	17.7	B5		G5
BVH	(80°-90°)	270.7	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°	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9
2.5°	4396.5	4398.0	4405.1	4413.7	4420.8	4439.4	4443.6	4450.8	4453.6	4460.8	4460.8
5°	4358.0	4360.8	4378.0	4400.8	4426.5	4472.2	4505.0	4542.2	4560.7	4580.7	4579.3
7.5°	4353.7	4360.8	4385.1	4422.2	4465.1	4540.7	4609.3	4683.5	4733.5	4779.2	4776.4
10°	4398.0	4409.4	4443.6	4499.3	4563.6	4657.8	4759.2	4859.2	4946.3	5016.2	5019.1
12.5°	4465.1	4479.3	4533.6	4617.9	4715.0	4836.3	4956.3	5069.1	5189.0	5293.3	5301.8
15°	4553.6	4572.2	4653.6	4779.2	4927.7	5071.9	5200.4	5316.1	5454.6	5598.8	5613.1
17.5°	4685.0	4710.7	4817.8	4987.7	5183.3	5341.8	5476.0	5563.1	5678.8	5827.3	5854.4
20°	4884.9	4917.7	5053.4	5256.1	5494.6	5660.2	5763.0	5781.6	5838.7	5971.5	6002.9
22.5°	5144.8	5173.3	5324.7	5566.0	5833.0	6012.9	6067.2	5992.9	5987.2	6094.3	6124.3
25°	5434.6	5460.3	5636.0	5907.3	6194.3	6392.7	6391.3	6247.1	6147.1	6230.0	6261.4
27.5°	5760.2	5800.2	5968.7	6254.2	6561.2	6756.9	6745.4	6522.7	6332.8	6354.2	6381.3
30°	6134.3	6178.6	6342.8	6632.6	6939.6	7131.0	7116.7	6822.5	6537.0	6479.8	6499.8
32.5°	6598.4	6651.2	6806.8	7092.4	7363.7	7536.5	7495.1	7148.1	6782.6	6658.3	6676.9
35°	7156.7	7188.1	7352.3	7633.6	7853.5	7972.0	7884.9	7525.1	7093.8	6943.9	6943.9
37.5°	7722.1	7746.4	7930.6	8203.3	8416.1	8478.9	8309.0	7937.7	7500.8	7288.0	7292.3
40°	8264.7	8330.4	8537.5	8817.3	9027.2	9044.4	8818.8	8408.9	7953.4	7733.5	7759.3
42.5°	8831.6	8895.9	9142.9	9459.9	9645.5	9674.1	9409.9	8937.3	8464.6	8286.1	8314.7
45°	9337.1	9388.5	9674.1	10042.5	10273.8	10348.0	10035.3	9542.7	9017.2	8843.0	8850.2
47.5°	9689.8	9756.9	10071.0	10505.1	10842.1	10956.3	10649.3	10132.4	9561.3	9349.9	9368.5
50°	10009.6	10045.3	10363.8	10837.8	11266.2	11501.8	11239.1	10715.0	10111.0	9886.8	9906.8
52.5°	10188.1	10233.8	10542.2	11036.3	11543.2	11923.0	11763.1	11239.1	10642.2	10423.7	10448.0
55°	10063.9	10098.2	10468.0	11080.6	11714.6	12182.9	12207.2	11751.7	11163.4	10972.0	11040.6
57.5°	9498.4	9541.3	9992.5	10795.0	11736.0	12358.5	12541.3	12227.2	11650.3	11494.7	11534.6
60°	8614.6	8641.7	9122.9	10025.3	11319.0	12431.4	12754.1	12615.6	12127.2	11971.6	12025.8
62.5°	7039.6	7079.6	7655.0	8864.5	10438.0	12215.8	12959.7	12936.8	12571.3	12428.5	12477.1
65°	4812.0	4882.0	5518.9	7048.2	9080.1	11556.1	13146.7	13311.0	12964.0	12784.1	12848.3
67.5°	2905.8	2957.2	3418.4	4653.6	6948.2	10225.2	12954.0	13736.5	13241.0	12951.1	13004.0
68°	2597.4	2644.5	3030.0	4199.5	6427.0	9849.7	12778.3	13785.0	13271.0	12948.3	12995.4
70°	1569.3	1600.7	1859.1	2595.9	4285.2	7813.5	11580.3	13745.0	13462.3	12988.2	13015.4
72.5°	1022.4	1032.4	1075.2	1332.2	2189.0	4369.4	8691.7	12808.3	13749.3	13221.0	13216.7
75°	849.6	843.9	848.2	878.2	1079.5	1916.3	5079.1	10118.2	13106.8	12854.0	12764.1
77.5°	718.2	714.0	712.5	714.0	722.5	925.3	2204.7	6302.8	10029.6	11370.4	11450.4
80°	581.2	575.4	594.0	585.4	559.7	575.4	923.9	2621.6	4727.8	5086.2	4766.4
82.5°	422.7	401.2	481.2	458.4	436.9	405.5	509.8	846.7	1128.0	773.9	544.0
85°	325.6	302.7	365.5	351.3	299.9	207.0	302.7	414.1	456.9	261.3	205.6
87.5°	132.8	139.9	264.2	208.5	175.6	100.0	124.2	165.6	222.8	111.4	85.7
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)