

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: P317113

Luminaire Tested: **GAN-SA9A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317113
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 42587 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

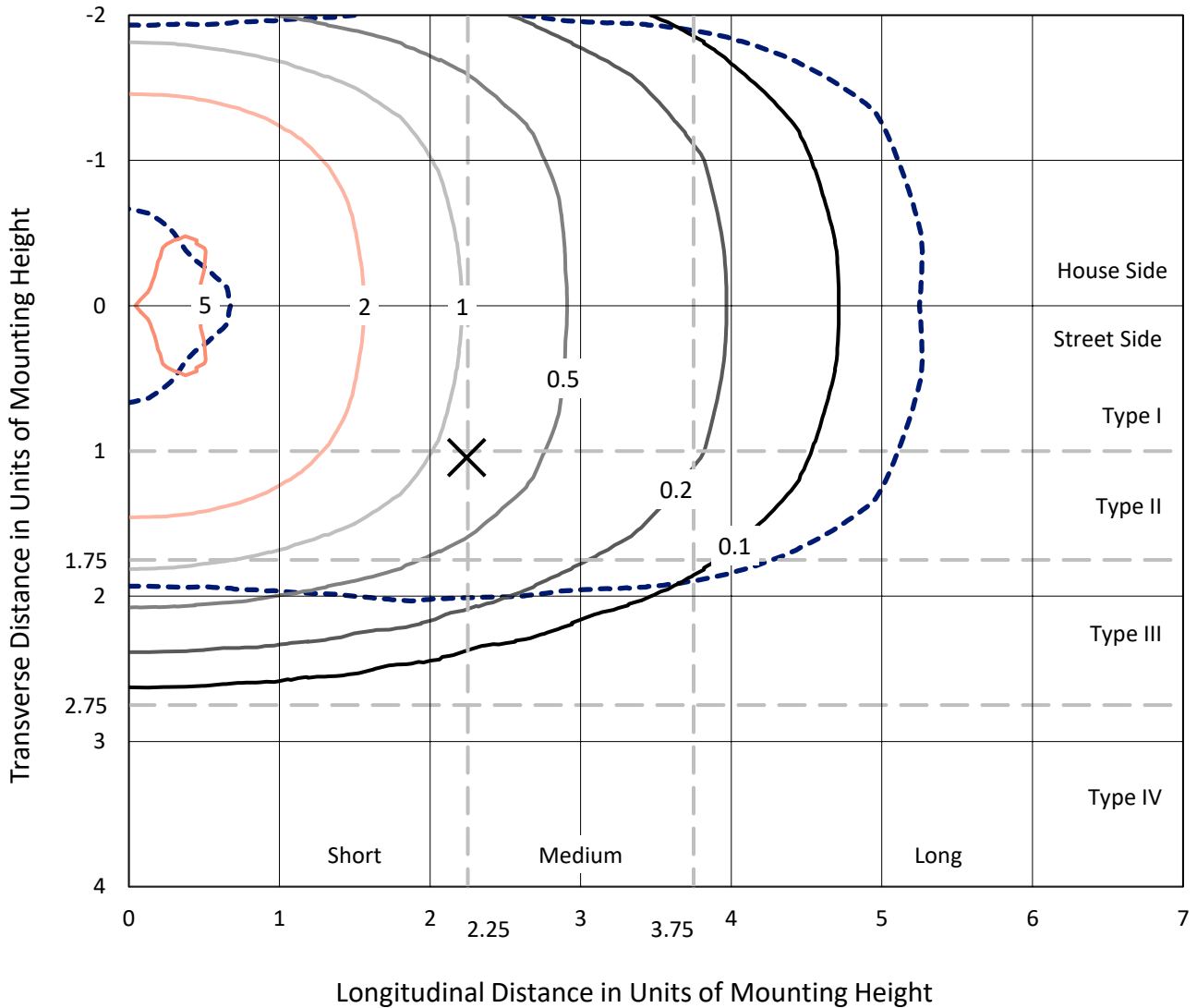
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

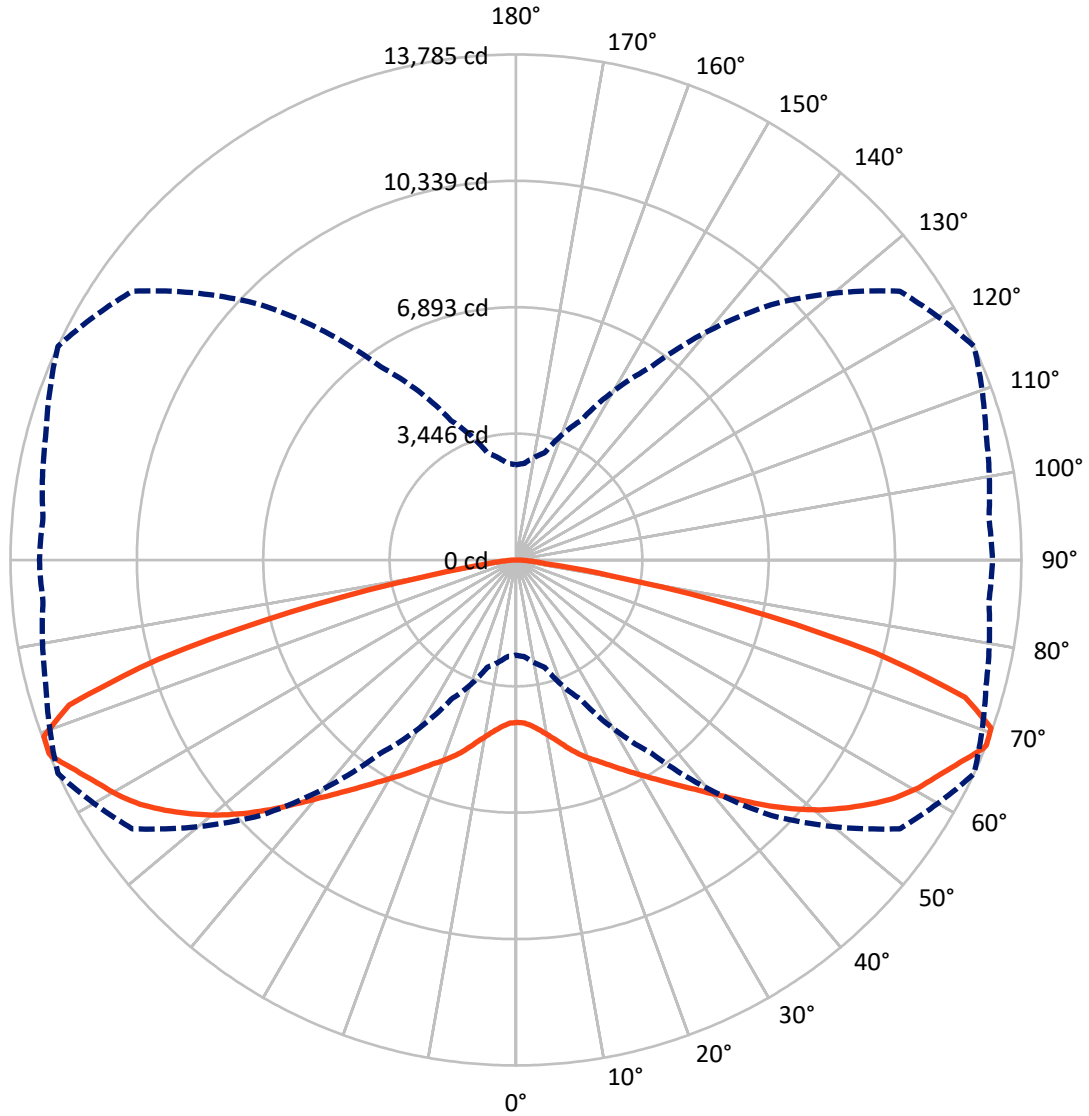
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 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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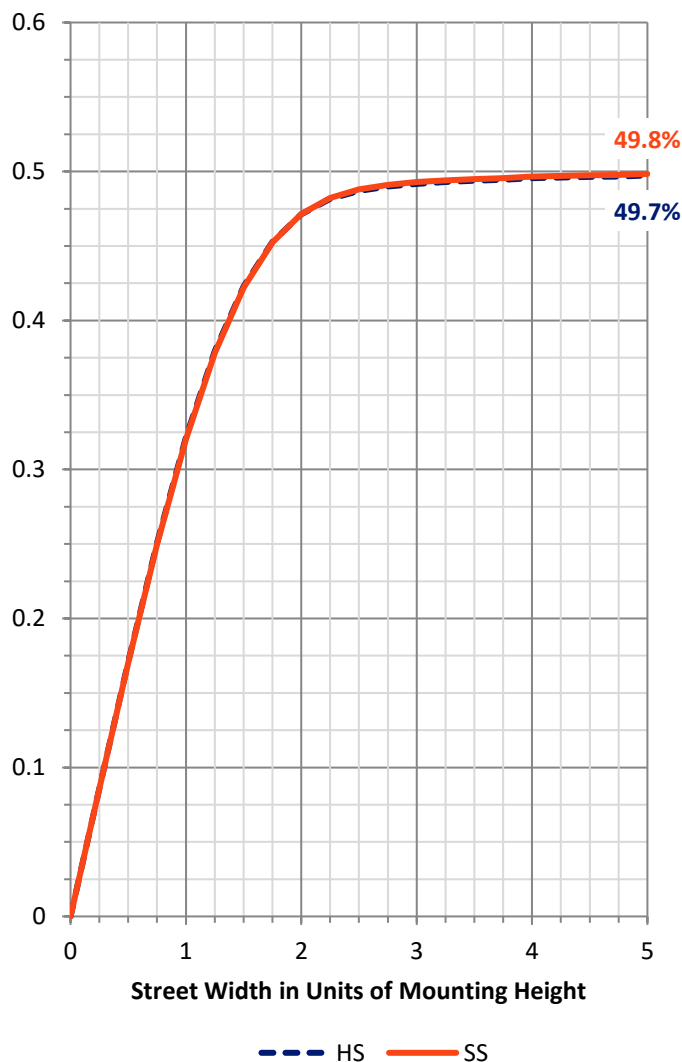
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21293.5	0.0	21293.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21293.5	0.0	21293.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42587.0	0.0	42587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	1.0
10°-20°	1451.7	3.4
20°-30°	2830.4	6.6
30°-40°	4754.8	11.2
40°-50°	7491.9	17.6
50°-60°	10019.1	23.5
60°-70°	9739.9	22.9
70°-80°	5324.3	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°	42587.0	100.0
0°-180°	42587.0	100.0

Coefficient of Utilization



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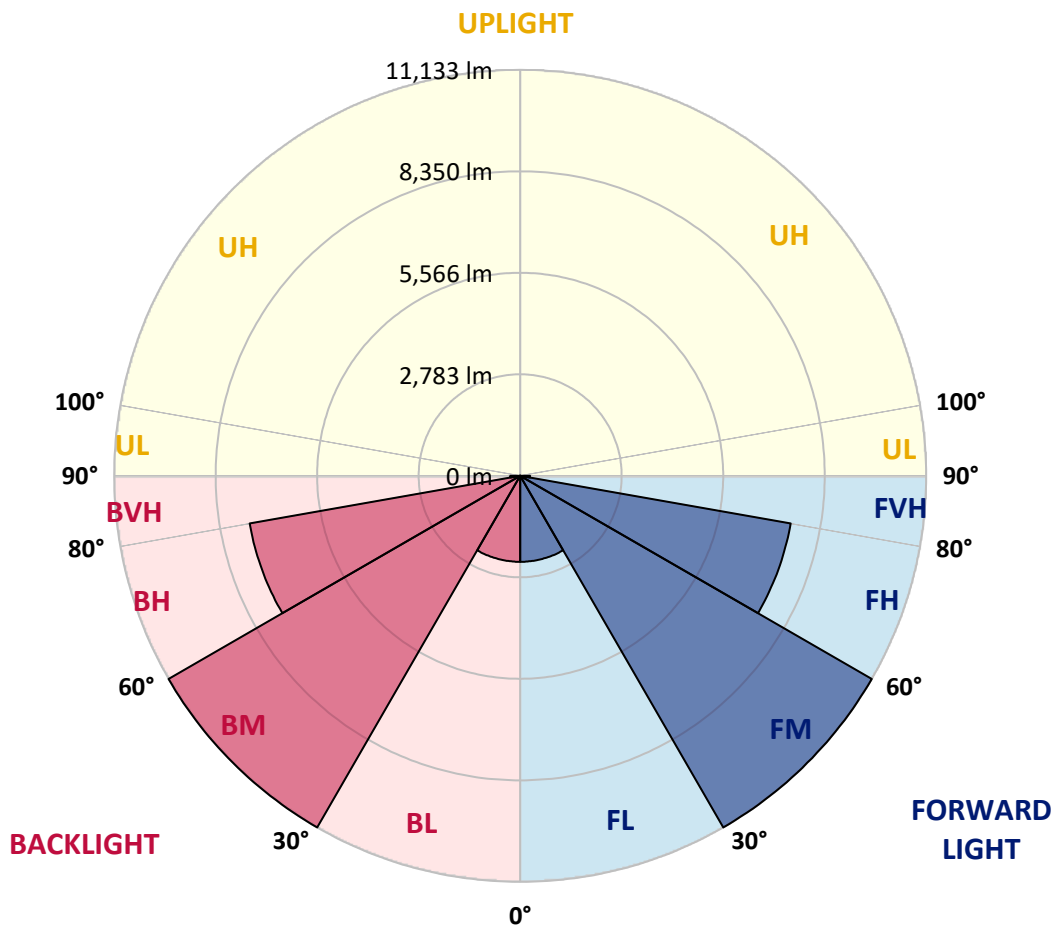
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.8	5.5			
FM (30°-60°)	11132.9	26.1			
FH (60°-80°)	7532.1	17.7			G4/12000
FVH (80°-90°)	270.8	0.6			G3/500
BL (0°-30°)	2357.8	5.5	B3/2500		
BM (30°-60°)	11132.9	26.1	B5		
BH (60°-80°)	7532.1	17.7	B5		G5
BVH (80°-90°)	270.8	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°	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0	4428.0
2.5°	4396.6	4398.1	4405.2	4413.8	4420.9	4439.5	4443.8	4450.9	4453.7	4460.9	4460.9
5°	4358.1	4360.9	4378.1	4400.9	4426.6	4472.3	4505.2	4542.3	4560.8	4580.8	4579.4
7.5°	4353.8	4360.9	4385.2	4422.3	4465.2	4540.9	4609.4	4683.6	4733.6	4779.3	4776.5
10°	4398.1	4409.5	4443.8	4499.4	4563.7	4657.9	4759.3	4859.3	4946.4	5016.4	5019.2
12.5°	4465.2	4479.5	4533.7	4618.0	4715.1	4836.4	4956.4	5069.2	5189.1	5293.4	5301.9
15°	4553.7	4572.3	4653.7	4779.3	4927.8	5072.0	5200.6	5316.2	5454.7	5599.0	5613.2
17.5°	4685.1	4710.8	4817.9	4987.8	5183.4	5341.9	5476.2	5563.3	5678.9	5827.4	5854.6
20°	4885.0	4917.8	5053.5	5256.3	5494.7	5660.4	5763.2	5781.7	5838.9	5971.7	6003.1
22.5°	5144.9	5173.4	5324.8	5566.1	5833.1	6013.1	6067.3	5993.1	5987.4	6094.5	6124.4
25°	5434.7	5460.4	5636.1	5907.4	6194.4	6392.9	6391.5	6247.2	6147.3	6230.1	6261.5
27.5°	5760.3	5800.3	5968.8	6254.4	6561.4	6757.0	6745.6	6522.8	6332.9	6354.3	6381.5
30°	6134.4	6178.7	6342.9	6632.8	6939.8	7131.1	7116.9	6822.7	6537.1	6480.0	6500.0
32.5°	6598.5	6651.4	6807.0	7092.6	7363.9	7536.7	7495.3	7148.3	6782.7	6658.5	6677.1
35°	7156.8	7188.3	7352.5	7633.8	7853.7	7972.2	7885.1	7525.3	7094.0	6944.1	6944.1
37.5°	7722.3	7746.6	7930.8	8203.5	8416.3	8479.1	8309.2	7937.9	7501.0	7288.2	7292.5
40°	8264.9	8330.6	8537.7	8817.5	9027.4	9044.6	8819.0	8409.1	7953.6	7733.7	7759.4
42.5°	8831.8	8896.1	9143.1	9460.1	9645.7	9674.3	9410.1	8937.5	8464.8	8286.3	8314.9
45°	9337.3	9388.7	9674.3	10042.7	10274.0	10348.3	10035.6	9542.9	9017.4	8843.2	8850.4
47.5°	9690.0	9757.1	10071.3	10505.4	10842.4	10956.6	10649.6	10132.7	9561.5	9350.2	9368.7
50°	10009.9	10045.6	10364.0	10838.1	11266.5	11502.1	11239.3	10715.3	10111.3	9887.1	9907.1
52.5°	10188.4	10234.1	10542.5	11036.6	11543.5	11923.3	11763.4	11239.3	10642.4	10424.0	10448.2
55°	10064.1	10098.4	10468.2	11080.8	11714.8	12183.2	12207.5	11752.0	11163.6	10972.3	11040.8
57.5°	9498.7	9541.5	9992.7	10795.2	11736.2	12358.8	12541.6	12227.5	11650.6	11494.9	11534.9
60°	8614.8	8641.9	9123.1	10025.6	11319.3	12431.7	12754.4	12615.9	12127.5	11971.9	12026.1
62.5°	7039.8	7079.7	7655.2	8864.7	10438.3	12216.0	12960.0	12937.1	12571.6	12428.8	12477.4
65°	4812.2	4882.1	5519.0	7048.3	9080.3	11556.3	13147.1	13311.3	12964.3	12784.4	12848.6
67.5°	2905.9	2957.3	3418.5	4653.7	6948.4	10225.5	12954.3	13736.8	13241.3	12951.4	13004.3
68°	2597.4	2644.5	3030.1	4199.6	6427.2	9849.9	12778.6	13785.3	13271.3	12948.6	12995.7
70°	1569.3	1600.7	1859.2	2596.0	4285.3	7813.7	11580.6	13745.4	13462.6	12988.6	13015.7
72.5°	1022.4	1032.4	1075.2	1332.3	2189.0	4369.5	8691.9	12808.6	13749.6	13221.3	13217.0
75°	849.6	843.9	848.2	878.2	1079.5	1916.3	5079.2	10118.4	13107.1	12854.3	12764.4
77.5°	718.3	714.0	712.5	714.0	722.5	925.3	2204.7	6302.9	10029.9	11370.7	11450.7
80°	581.2	575.5	594.0	585.5	559.8	575.5	923.9	2621.7	4727.9	5086.3	4766.5
82.5°	422.7	401.3	481.2	458.4	437.0	405.5	509.8	846.8	1128.1	773.9	544.0
85°	325.6	302.7	365.6	351.3	299.9	207.1	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)