

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: P317123

Luminaire Tested: **GAN-SA9B-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317123
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-SA9B-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52224 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

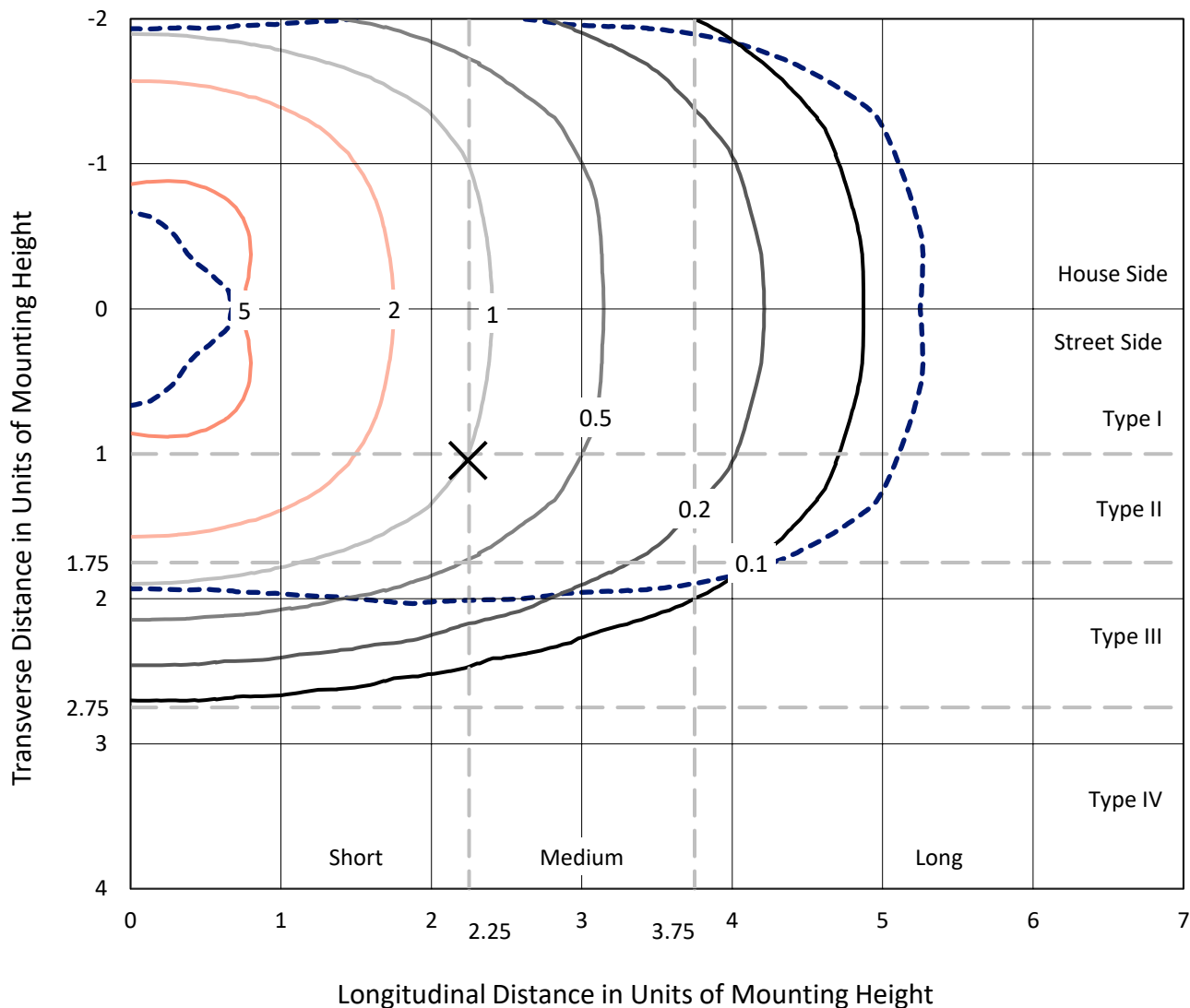
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

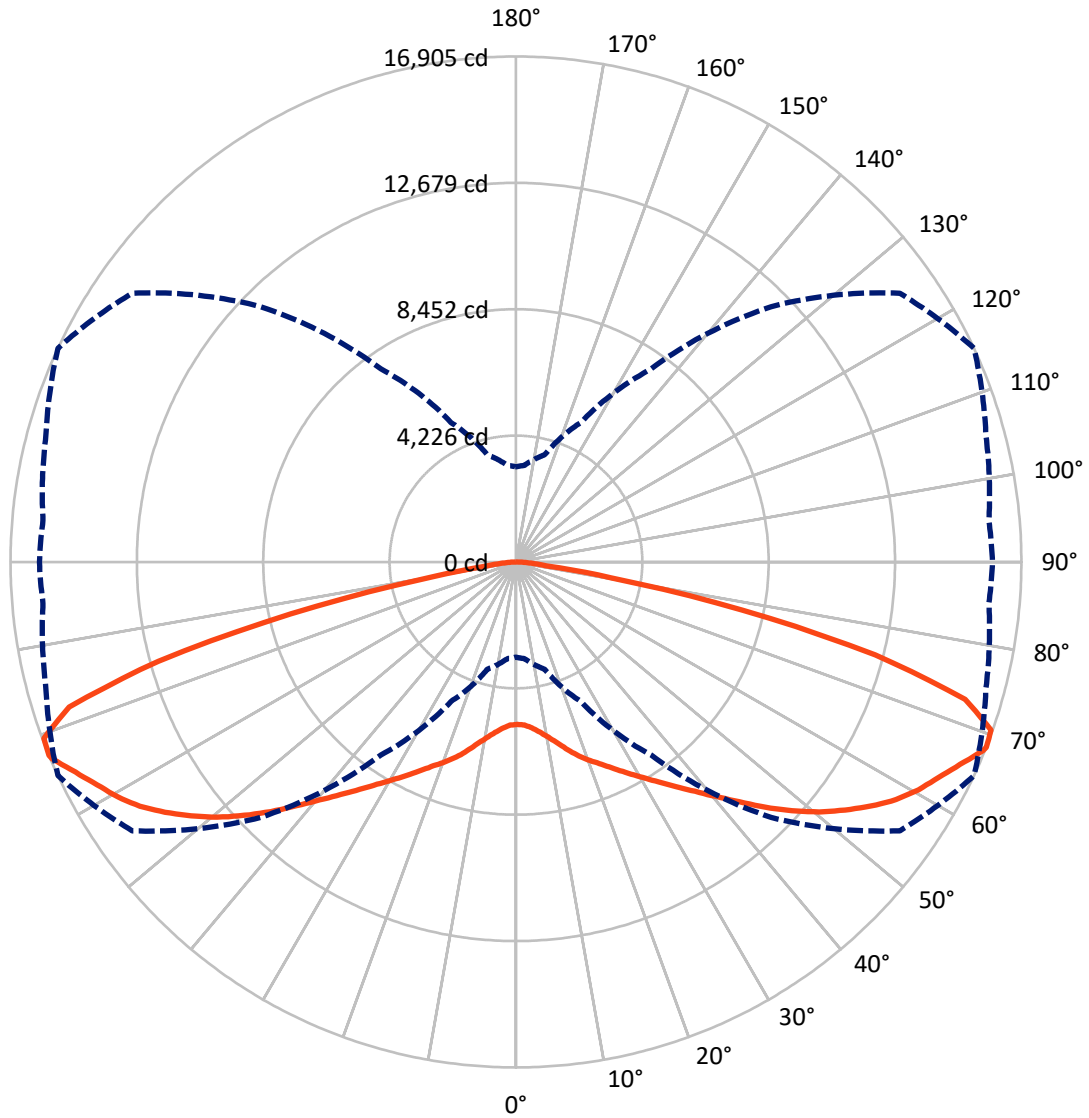
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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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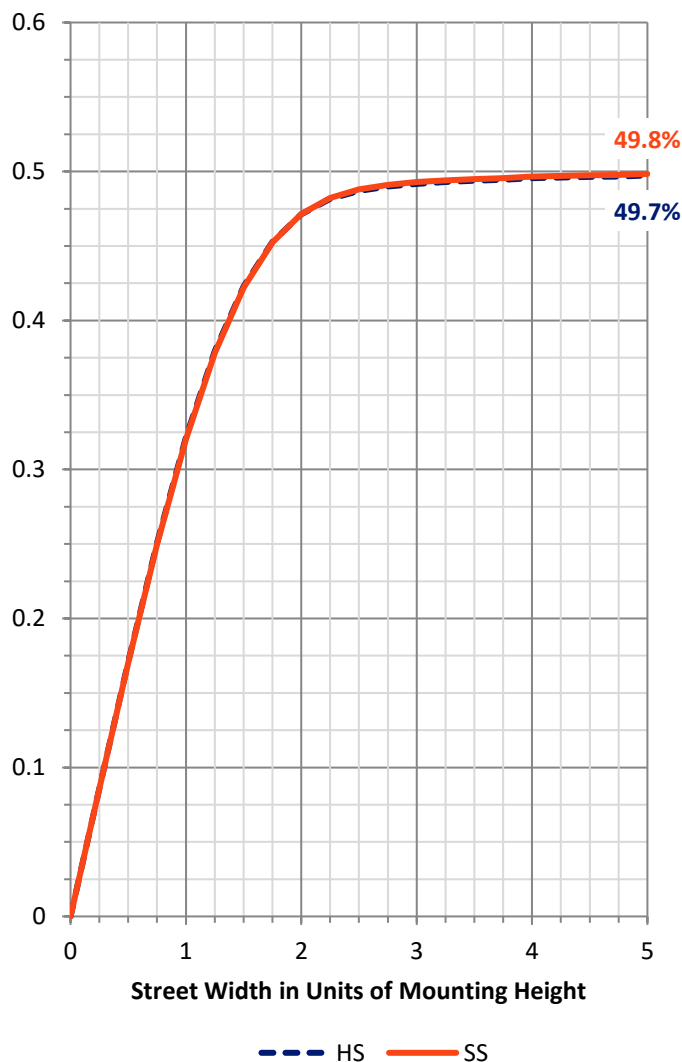
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26112.0	0.0	26112.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26112.0	0.0	26112.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52224.0	0.0	52224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.6	1.0
10°-20°	1780.2	3.4
20°-30°	3470.9	6.6
30°-40°	5830.8	11.2
40°-50°	9187.2	17.6
50°-60°	12286.4	23.5
60°-70°	11943.9	22.9
70°-80°	6529.1	12.5
80°-90°	664.0	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°	52224.0	100.0
0°-180°	52224.0	100.0

Coefficient of Utilization

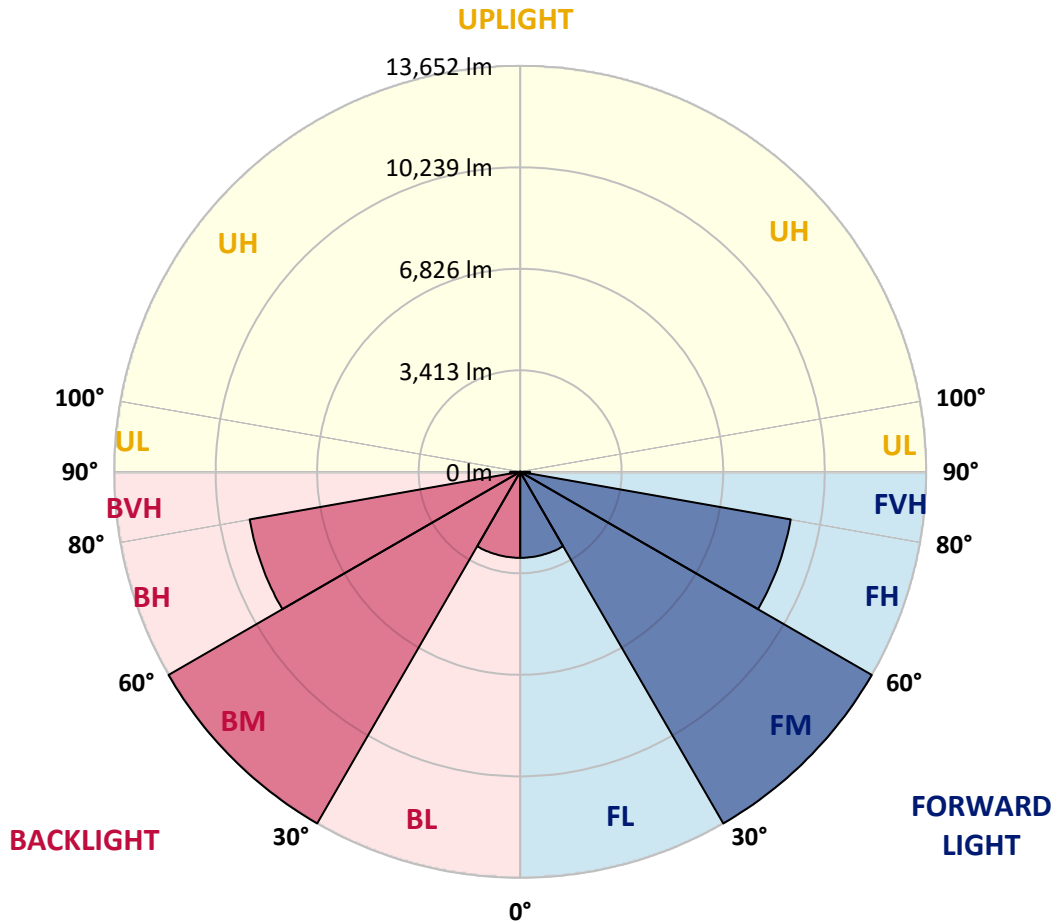


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2891.3	5.5			
FM (30°-60°)	13652.2	26.1			
FH (60°-80°)	9236.5	17.7			G4/12000
FVH (80°-90°)	332.0	0.6			G3/500
BL (0°-30°)	2891.3	5.5	B4/5000		
BM (30°-60°)	13652.2	26.1	B5		
BH (60°-80°)	9236.5	17.7	B5		G5
BVH (80°-90°)	332.0	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°	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1	5430.1
2.5°	5391.5	5393.3	5402.1	5412.6	5421.3	5444.1	5449.3	5458.1	5461.6	5470.3	5470.3
5°	5344.3	5347.8	5368.8	5396.8	5428.3	5484.4	5524.6	5570.2	5592.9	5617.4	5615.7
7.5°	5339.0	5347.8	5377.5	5423.1	5475.6	5568.4	5652.5	5743.5	5804.8	5860.8	5857.3
10°	5393.3	5407.3	5449.3	5517.6	5596.4	5712.0	5836.3	5958.9	6065.7	6151.5	6155.0
12.5°	5475.6	5493.1	5559.6	5663.0	5782.0	5930.9	6078.0	6216.3	6363.4	6491.2	6501.7
15°	5584.2	5606.9	5706.7	5860.8	6042.9	6219.8	6377.4	6519.2	6689.1	6865.9	6883.5
17.5°	5745.3	5776.8	5908.1	6116.5	6356.4	6550.8	6715.4	6822.2	6964.0	7146.1	7179.4
20°	5990.4	6030.7	6197.0	6445.7	6738.1	6941.2	7067.3	7090.1	7160.1	7323.0	7361.5
22.5°	6309.1	6344.1	6529.7	6825.7	7153.1	7373.8	7440.3	7349.2	7342.2	7473.6	7510.3
25°	6664.6	6696.1	6911.5	7244.2	7596.1	7839.5	7837.8	7660.9	7538.4	7639.9	7678.4
27.5°	7063.8	7112.8	7319.5	7669.7	8046.2	8286.1	8272.1	7998.9	7766.0	7792.3	7825.5
30°	7522.6	7576.9	7778.3	8133.7	8510.2	8744.8	8727.3	8366.6	8016.4	7946.4	7970.9
32.5°	8091.7	8156.5	8347.3	8697.6	9030.3	9242.1	9191.4	8765.9	8317.6	8165.2	8188.0
35°	8776.4	8814.9	9016.3	9361.2	9630.9	9776.2	9669.4	9228.1	8699.3	8515.5	8515.5
37.5°	9469.8	9499.6	9725.4	10059.9	10320.8	10397.9	10189.5	9734.2	9198.4	8937.5	8942.7
40°	10135.2	10215.7	10469.6	10812.9	11070.3	11091.3	10814.6	10312.0	9753.5	9483.8	9515.3
42.5°	10830.4	10909.2	11212.1	11600.8	11828.5	11863.5	11539.5	10959.9	10380.3	10161.5	10196.5
45°	11450.2	11513.3	11863.5	12315.3	12598.9	12690.0	12306.5	11702.4	11058.0	10844.4	10853.1
47.5°	11882.8	11965.1	12350.3	12882.6	13295.9	13436.0	13059.5	12425.6	11725.2	11466.0	11488.8
50°	12275.0	12318.8	12709.3	13290.6	13815.9	14104.9	13782.7	13140.0	12399.3	12124.4	12148.9
52.5°	12493.9	12549.9	12928.1	13534.0	14155.6	14621.4	14425.3	13782.7	13050.7	12782.8	12812.6
55°	12341.5	12383.6	12837.1	13588.3	14365.8	14940.1	14969.9	14411.3	13689.9	13455.2	13539.3
57.5°	11648.1	11700.6	12254.0	13238.1	14392.0	15155.5	15379.6	14994.4	14287.0	14096.1	14145.1
60°	10564.2	10597.5	11187.6	12294.3	13880.7	15244.8	15640.6	15470.7	14871.8	14681.0	14747.5
62.5°	8632.8	8681.8	9387.5	10870.6	12800.3	14980.4	15892.7	15864.7	15416.4	15241.3	15300.8
65°	5901.1	5986.9	6767.9	8643.3	11135.1	14171.4	16122.1	16323.5	15898.0	15677.3	15756.1
67.5°	3563.4	3626.5	4192.1	5706.7	8520.7	12539.4	15885.7	16845.3	16237.7	15882.2	15947.0
68°	3185.2	3243.0	3715.8	5149.9	7881.6	12078.9	15670.3	16904.8	16274.4	15878.7	15936.5
70°	1924.4	1962.9	2279.9	3183.4	5255.0	9581.9	14201.2	16855.8	16509.1	15927.7	15961.0
72.5°	1253.8	1266.0	1318.6	1633.7	2684.4	5358.3	10658.8	15707.1	16861.1	16213.2	16207.9
75°	1041.9	1034.9	1040.1	1076.9	1323.8	2349.9	6228.6	12408.1	16073.1	15763.1	15652.8
77.5°	880.8	875.5	873.8	875.5	886.0	1134.7	2703.7	7729.2	12299.5	13943.8	14041.8
80°	712.7	705.7	728.4	717.9	686.4	705.7	1132.9	3215.0	5797.8	6237.3	5845.1
82.5°	518.3	492.1	590.1	562.1	535.8	497.3	625.1	1038.4	1383.3	949.1	667.2
85°	399.2	371.2	448.3	430.8	367.7	253.9	371.2	507.8	560.3	320.4	252.2
87.5°	162.8	171.6	323.9	255.7	215.4	122.6	152.3	203.1	273.2	136.6	105.1
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)