

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: P317163

Luminaire Tested: **GAN-SA9B-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317163
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52223 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

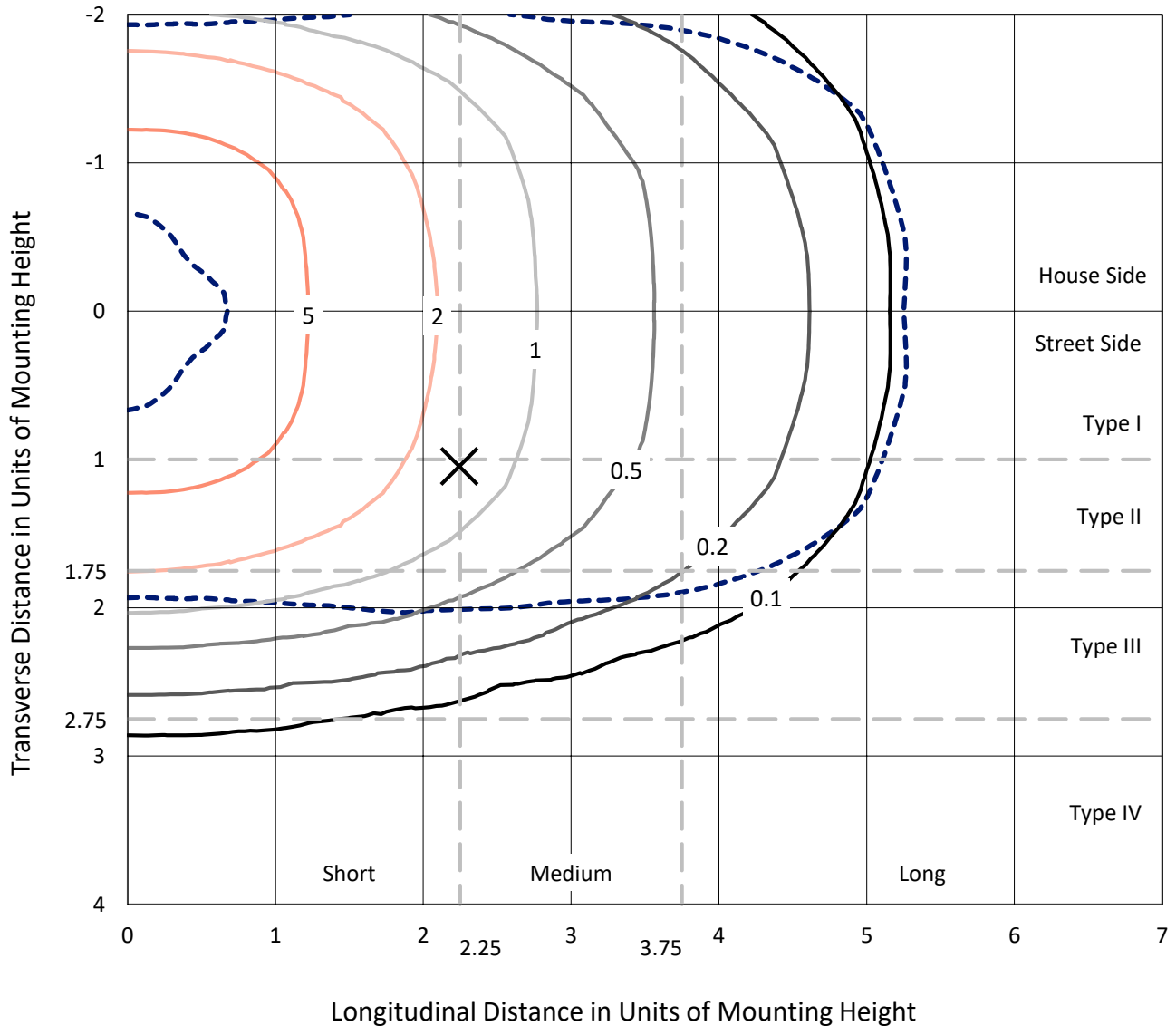
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

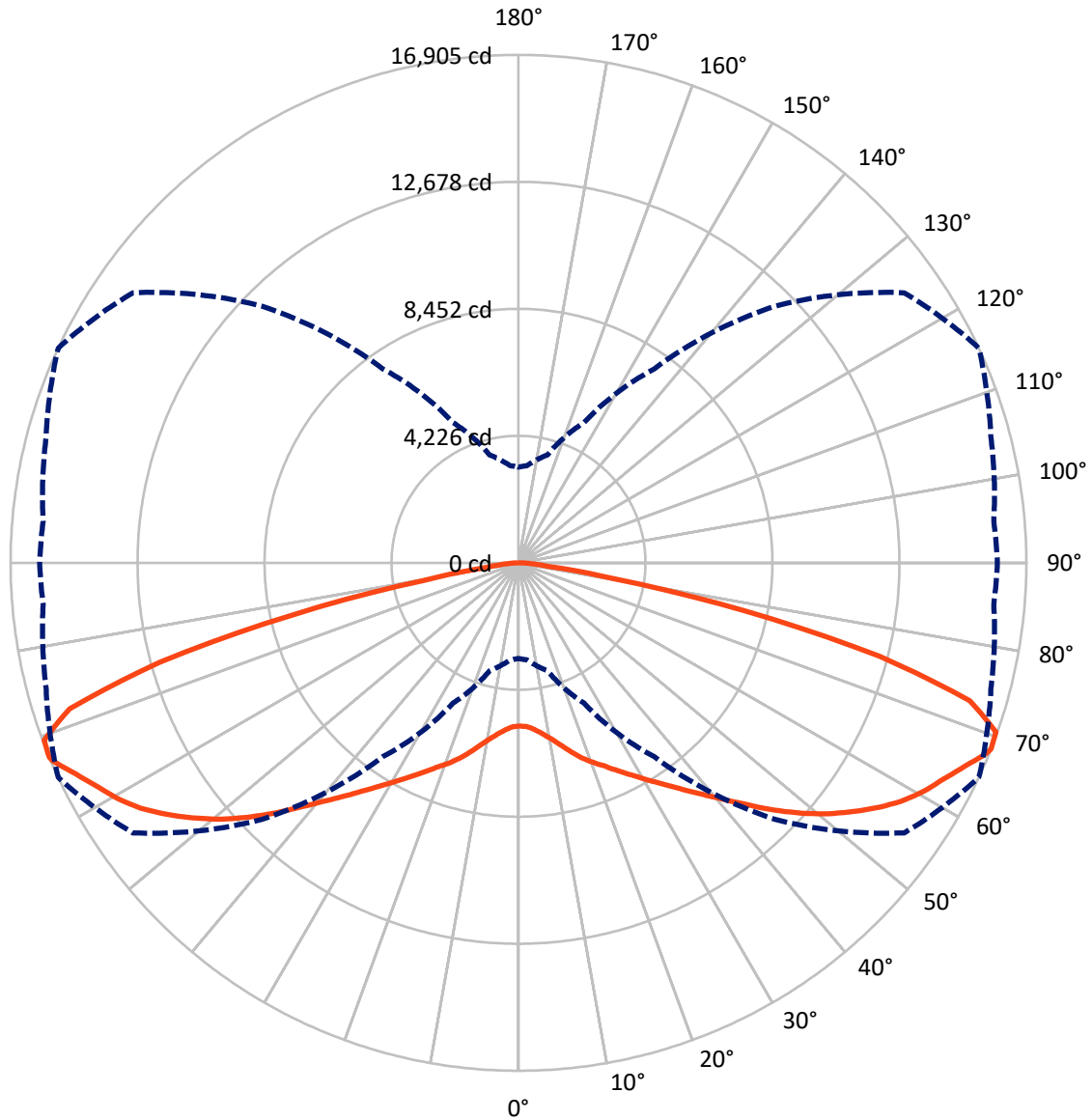
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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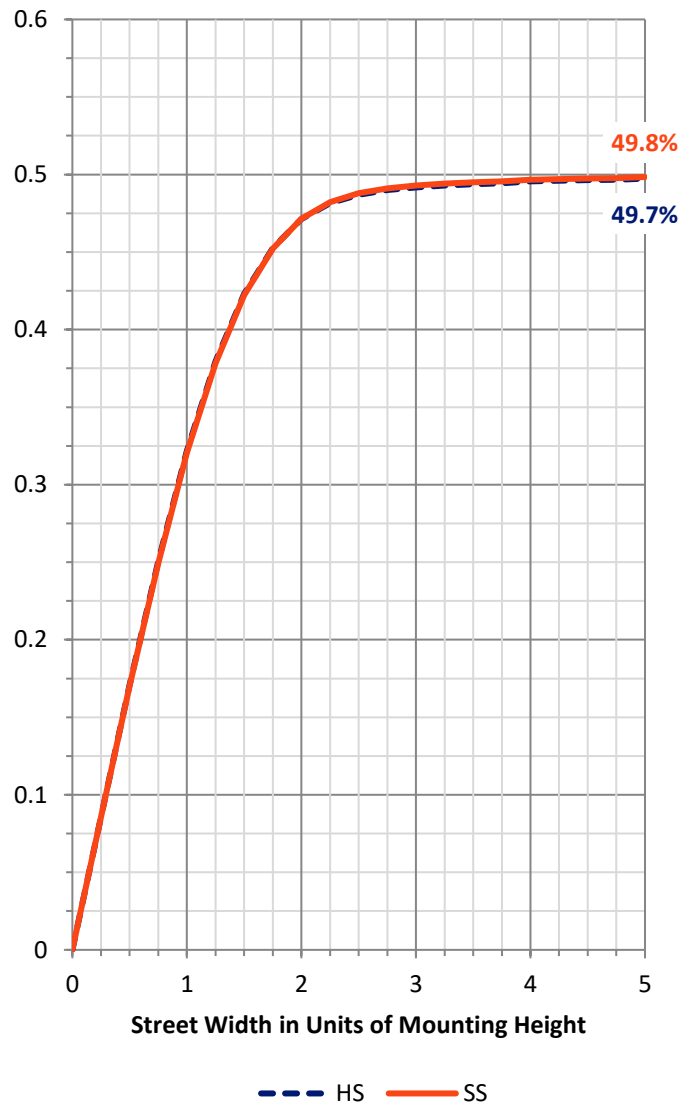
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26111.5	0.0	26111.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26111.5	0.0	26111.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52223.0	0.0	52223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.6	1.0
10°-20°	1780.1	3.4
20°-30°	3470.8	6.6
30°-40°	5830.7	11.2
40°-50°	9187.0	17.6
50°-60°	12286.1	23.5
60°-70°	11943.6	22.9
70°-80°	6529.0	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°	52223.0	100.0
0°-180°	52223.0	100.0

Coefficient of Utilization

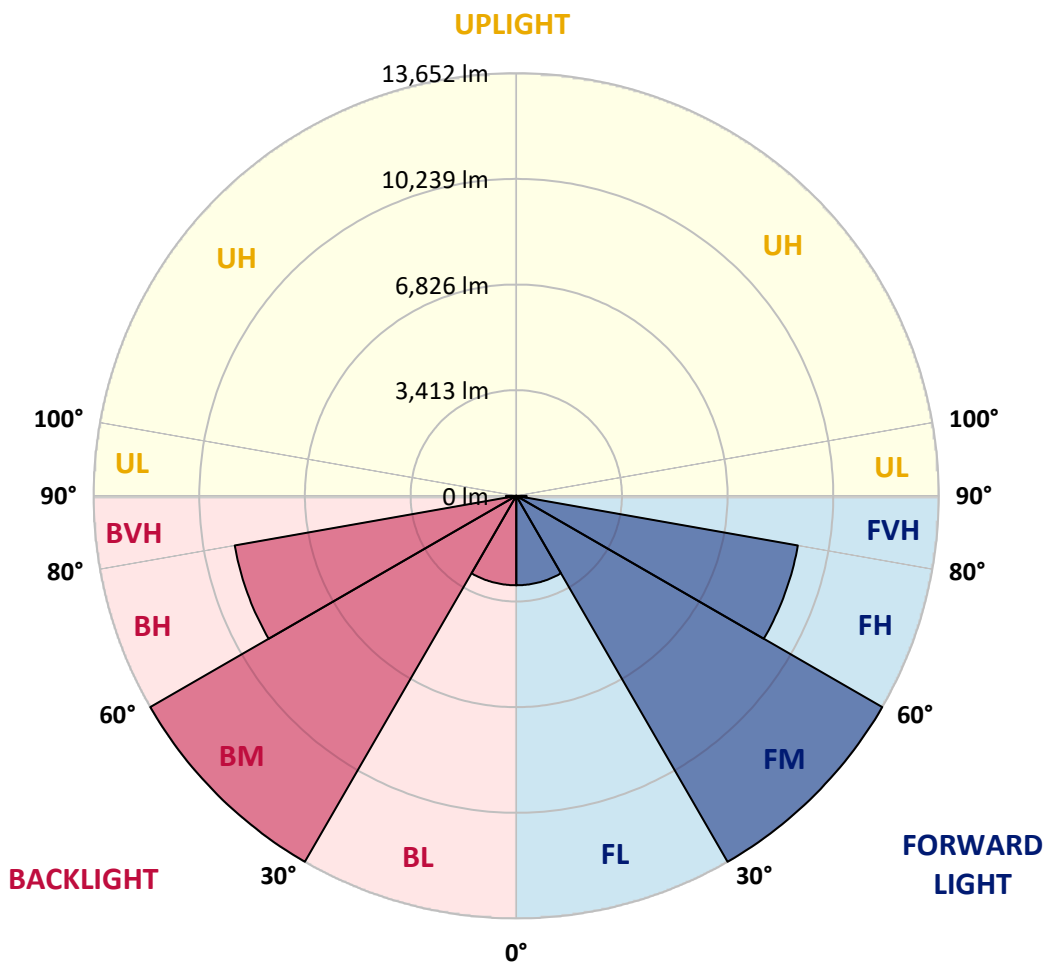


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2891.3	5.5			
FM (30°-60°)	13651.9	26.1			
FH (60°-80°)	9236.3	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°)	13651.9	26.1	B5		
BH (60°-80°)	9236.3	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°	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0	5430.0
2.5°	5391.4	5393.2	5401.9	5412.5	5421.2	5444.0	5449.2	5458.0	5461.5	5470.2	5470.2
5°	5344.2	5347.7	5368.7	5396.7	5428.2	5484.2	5524.5	5570.0	5592.8	5617.3	5615.6
7.5°	5338.9	5347.7	5377.4	5423.0	5475.5	5568.3	5652.3	5743.4	5804.7	5860.7	5857.2
10°	5393.2	5407.2	5449.2	5517.5	5596.3	5711.9	5836.2	5958.8	6065.6	6151.4	6154.9
12.5°	5475.5	5493.0	5559.5	5662.9	5781.9	5930.8	6077.8	6216.2	6363.3	6491.1	6501.6
15°	5584.1	5606.8	5706.6	5860.7	6042.8	6219.7	6377.3	6519.1	6689.0	6865.8	6883.3
17.5°	5745.1	5776.7	5908.0	6116.4	6356.3	6550.6	6715.2	6822.0	6963.9	7146.0	7179.2
20°	5990.3	6030.6	6196.9	6445.6	6738.0	6941.1	7067.2	7089.9	7160.0	7322.8	7361.4
22.5°	6309.0	6344.0	6529.6	6825.5	7153.0	7373.6	7440.2	7349.1	7342.1	7473.4	7510.2
25°	6664.4	6696.0	6911.3	7244.0	7596.0	7839.4	7837.6	7660.8	7538.2	7639.8	7678.3
27.5°	7063.7	7112.7	7319.3	7669.5	8046.0	8285.9	8271.9	7998.7	7765.8	7792.1	7825.4
30°	7522.5	7576.7	7778.1	8133.6	8510.0	8744.7	8727.2	8366.5	8016.2	7946.2	7970.7
32.5°	8091.5	8156.3	8347.2	8697.4	9030.1	9242.0	9191.2	8765.7	8317.4	8165.1	8187.8
35°	8776.2	8814.7	9016.1	9361.0	9630.7	9776.0	9669.2	9228.0	8699.1	8515.3	8515.3
37.5°	9469.6	9499.4	9725.3	10059.7	10320.6	10397.7	10189.3	9734.0	9198.2	8937.3	8942.5
40°	10135.0	10215.5	10469.4	10812.6	11070.1	11091.1	10814.4	10311.9	9753.3	9483.6	9515.1
42.5°	10830.2	10909.0	11211.9	11600.6	11828.2	11863.3	11539.3	10959.7	10380.1	10161.3	10196.3
45°	11450.0	11513.1	11863.3	12315.0	12598.7	12689.8	12306.3	11702.2	11057.8	10844.2	10852.9
47.5°	11882.5	11964.8	12350.1	12882.4	13295.6	13435.7	13059.2	12425.4	11724.9	11465.8	11488.5
50°	12274.8	12318.5	12709.0	13290.4	13815.7	14104.6	13782.4	13139.8	12399.1	12124.2	12148.7
52.5°	12493.6	12549.7	12927.9	13533.8	14155.4	14621.2	14425.0	13782.4	13050.5	12782.6	12812.3
55°	12341.3	12383.3	12836.8	13588.0	14365.5	14939.8	14969.6	14411.0	13689.6	13455.0	13539.0
57.5°	11647.9	11700.4	12253.8	13237.8	14391.8	15155.2	15379.4	14994.1	14286.7	14095.8	14144.9
60°	10564.0	10597.3	11187.4	12294.0	13880.5	15244.5	15640.3	15470.4	14871.6	14680.7	14747.2
62.5°	8632.6	8681.6	9387.3	10870.4	12800.1	14980.1	15892.4	15864.4	15416.1	15241.0	15300.6
65°	5901.0	5986.8	6767.8	8643.1	11134.8	14171.1	16121.8	16323.2	15897.7	15677.0	15755.8
67.5°	3563.4	3626.4	4192.0	5706.6	8520.5	12539.2	15885.4	16845.0	16237.4	15881.9	15946.7
68°	3185.1	3242.9	3715.7	5149.8	7881.4	12078.6	15670.0	16904.5	16274.1	15878.4	15936.2
70°	1924.4	1962.9	2279.8	3183.4	5254.9	9581.7	14200.9	16855.5	16508.8	15927.4	15960.7
72.5°	1253.7	1266.0	1318.5	1633.7	2684.3	5358.2	10658.6	15706.8	16860.7	16212.8	16207.6
75°	1041.9	1034.9	1040.1	1076.9	1323.8	2349.9	6228.4	12407.8	16072.8	15762.8	15652.5
77.5°	880.8	875.5	873.8	875.5	886.0	1134.7	2703.6	7729.1	12299.3	13943.5	14041.6
80°	712.7	705.7	728.4	717.9	686.4	705.7	1132.9	3214.9	5797.7	6237.2	5845.0
82.5°	518.3	492.0	590.1	562.1	535.8	497.3	625.1	1038.4	1383.3	949.1	667.1
85°	399.2	371.2	448.3	430.8	367.7	253.9	371.2	507.8	560.3	320.4	252.1
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)