

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: P316792

Luminaire Tested: **GAN-SA8A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38526 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

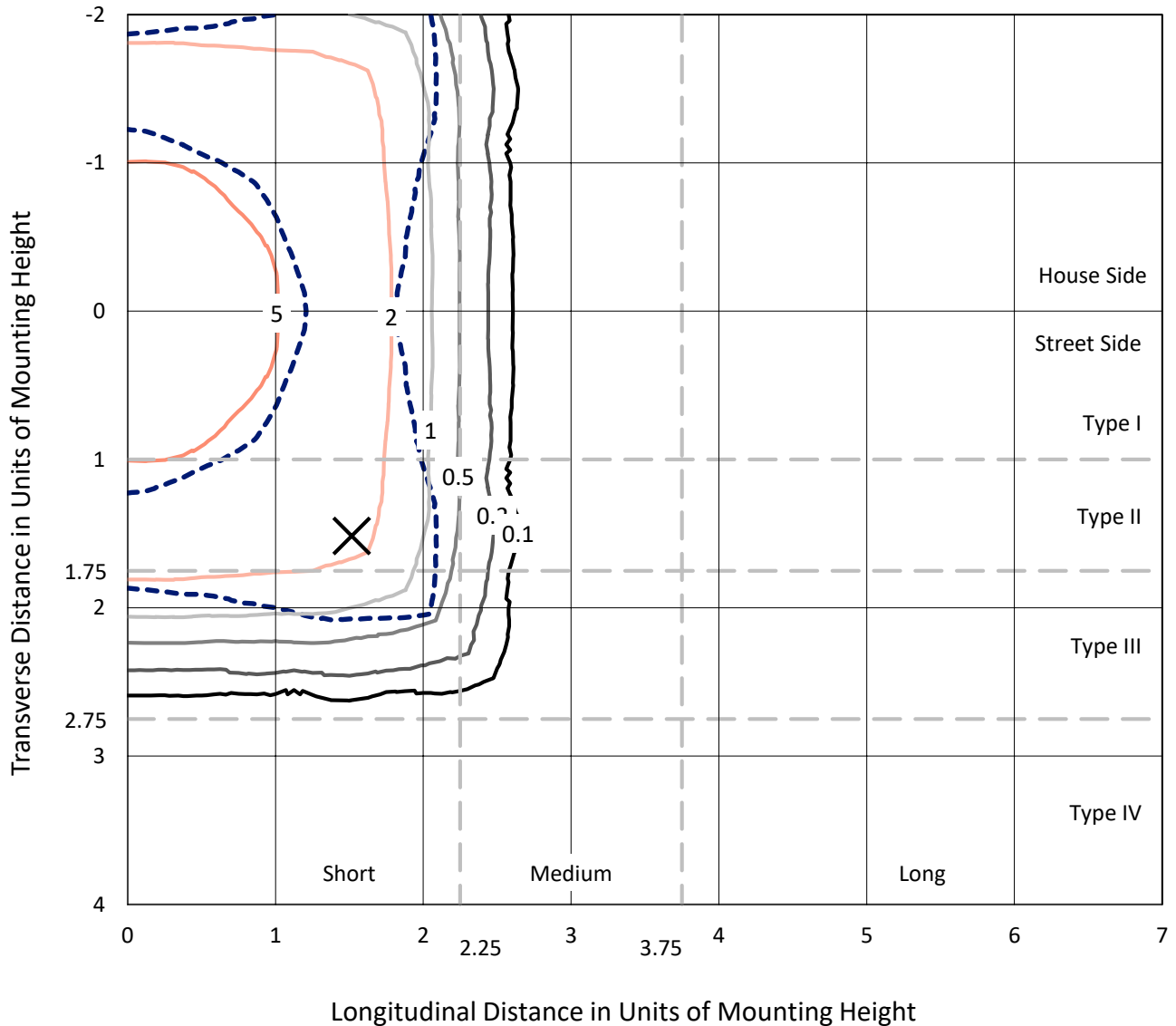
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

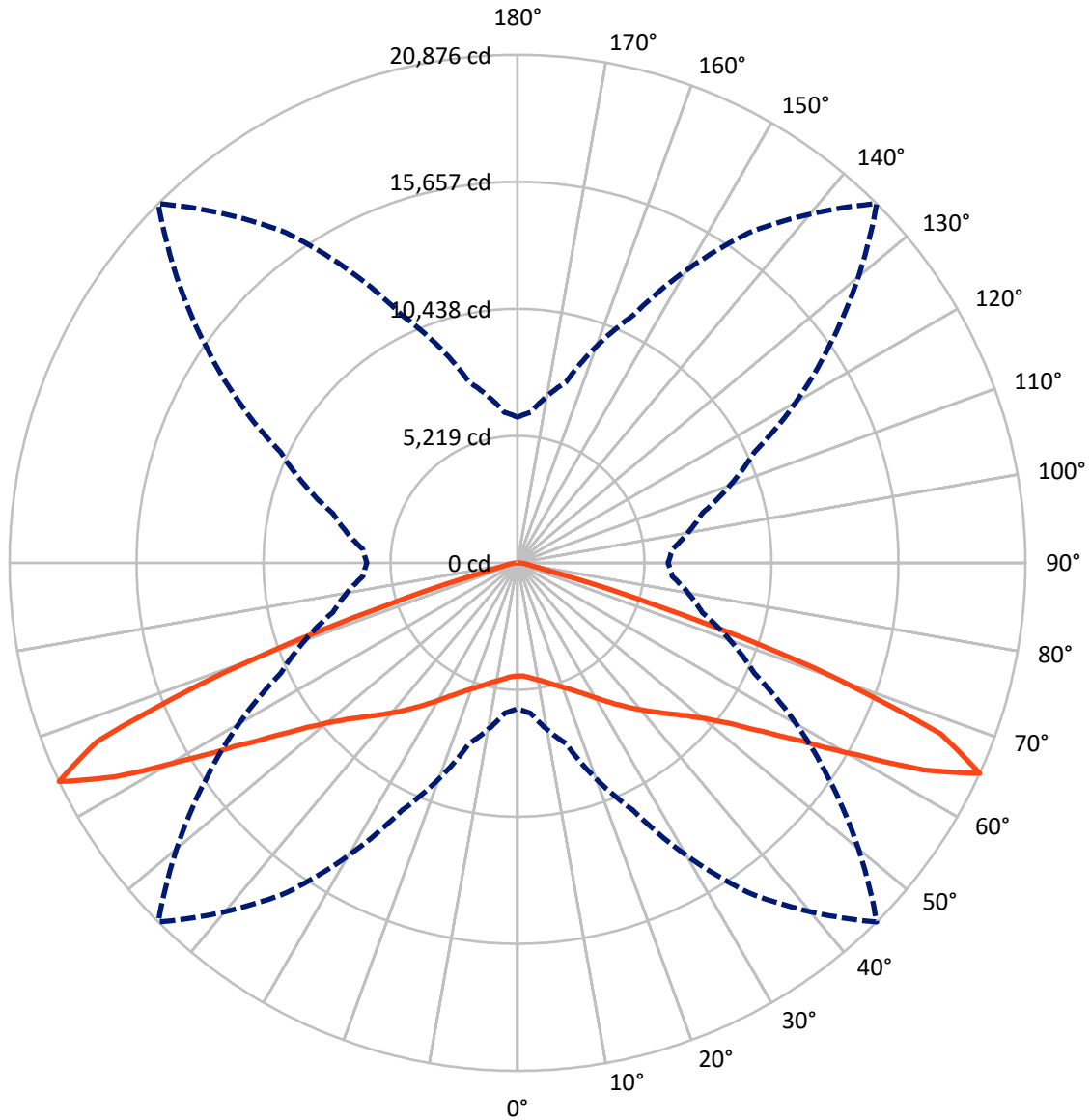
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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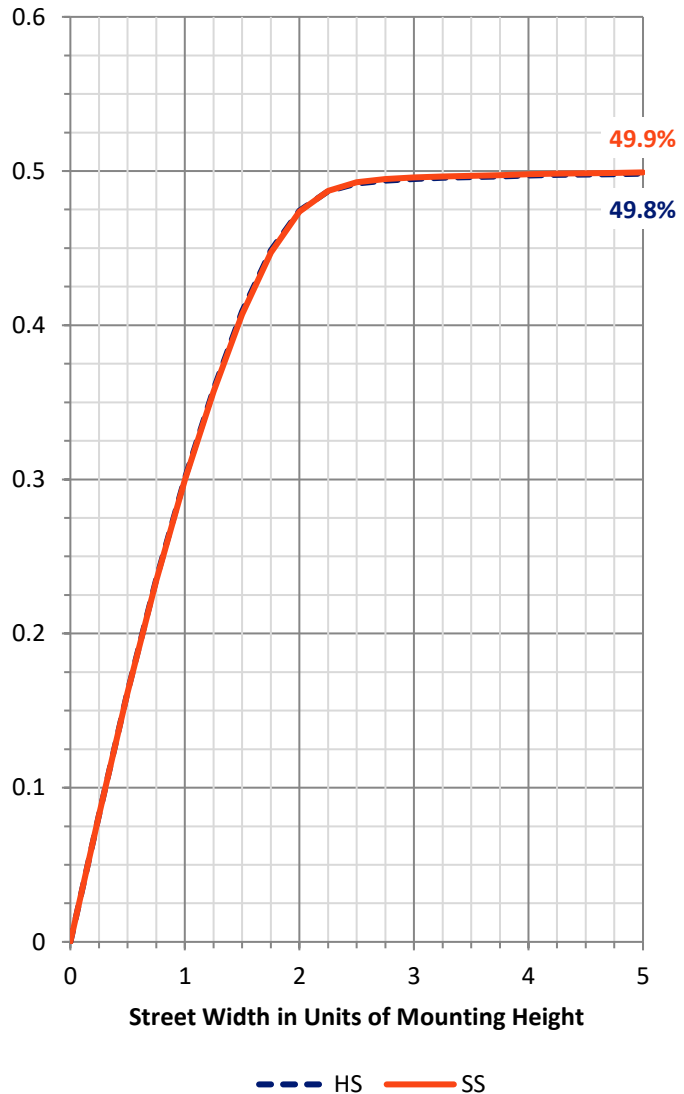
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19263.0	0.0	19263.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19263.0	0.0	19263.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38526.0	0.0	38526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.5	1.2
10°-20°	1467.2	3.8
20°-30°	2752.8	7.1
30°-40°	4552.6	11.8
40°-50°	7051.3	18.3
50°-60°	10814.7	28.1
60°-70°	10091.4	26.2
70°-80°	1174.5	3.0
80°-90°	165.0	0.4
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°	38526.0	100.0
0°-180°	38526.0	100.0

Coefficient of Utilization



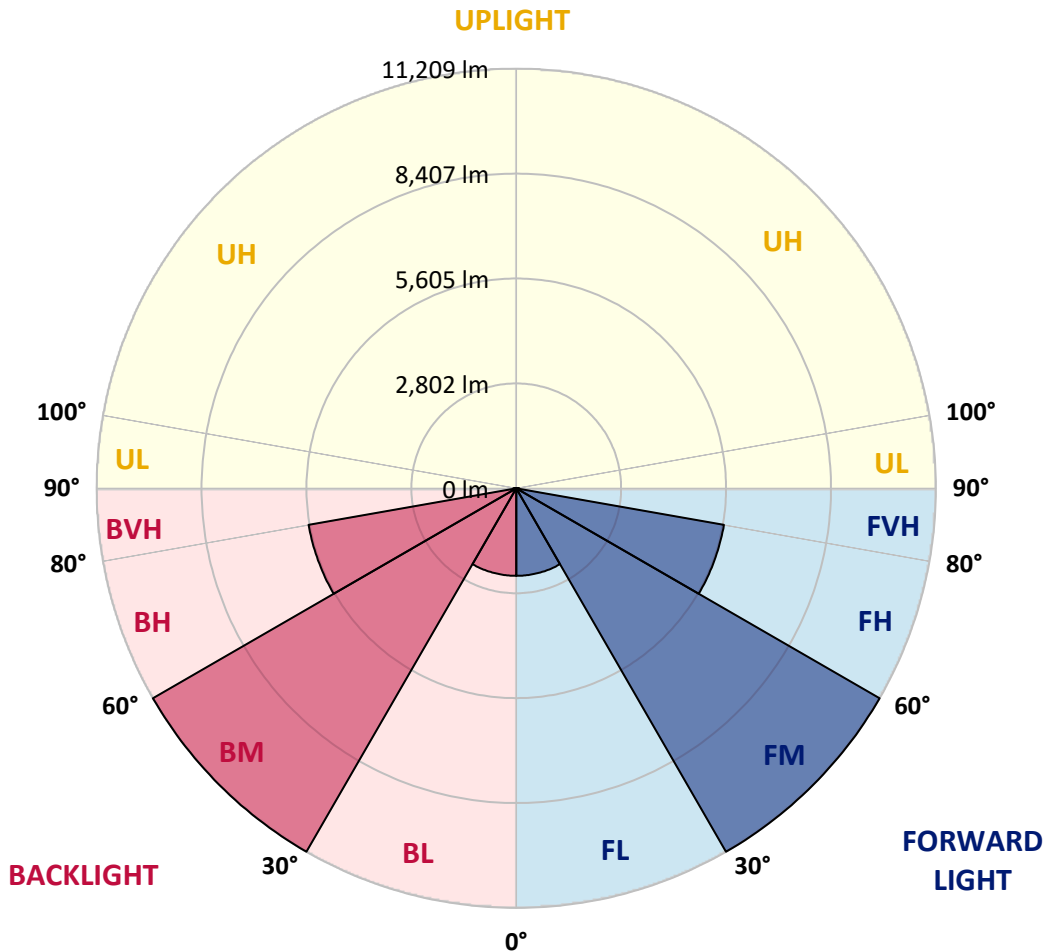
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2338.2	6.1			
FM (30°-60°)	11209.3	29.1			
FH (60°-80°)	5632.9	14.6			G3/7500
FVH (80°-90°)	82.5	0.2			G1/100
BL (0°-30°)	2338.2	6.1	B3/2500		
BM (30°-60°)	11209.3	29.1	B5		
BH (60°-80°)	5632.9	14.6	B5		G3/7500
BVH (80°-90°)	82.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5	4652.5
2.5°	4667.8	4665.3	4667.8	4669.1	4661.5	4665.3	4664.0	4670.4	4673.0	4670.4	4670.4
5°	4721.6	4717.7	4722.8	4729.2	4719.0	4721.6	4717.7	4725.4	4728.0	4722.8	4726.7
7.5°	4795.7	4797.0	4802.1	4813.6	4807.2	4812.4	4804.7	4806.0	4804.7	4797.0	4798.3
10°	4876.3	4877.6	4886.5	4901.9	4904.4	4904.4	4899.3	4895.5	4890.4	4885.3	4886.5
12.5°	4973.5	4979.9	4986.3	5005.5	5005.5	5015.7	5013.1	5002.9	4994.0	4986.3	4986.3
15°	5105.2	5103.9	5111.6	5130.8	5139.7	5156.4	5156.4	5142.3	5130.8	5123.1	5120.6
17.5°	5243.3	5247.2	5252.3	5275.3	5289.4	5308.6	5311.1	5299.6	5291.9	5281.7	5275.3
20°	5404.5	5410.9	5431.3	5440.3	5453.1	5471.0	5477.4	5474.8	5467.1	5462.0	5463.3
22.5°	5592.5	5609.1	5621.9	5634.7	5650.0	5662.8	5669.2	5678.2	5670.5	5666.6	5664.1
25°	5820.1	5831.6	5857.2	5880.2	5890.4	5894.3	5902.0	5914.7	5913.5	5904.5	5904.5
27.5°	6078.4	6100.2	6132.1	6165.4	6165.4	6152.6	6178.2	6199.9	6192.3	6180.7	6165.4
30°	6391.8	6412.2	6449.3	6495.3	6472.3	6463.4	6497.9	6537.5	6526.0	6506.9	6504.3
32.5°	6729.4	6748.6	6797.2	6847.0	6817.6	6804.8	6841.9	6899.5	6879.0	6840.6	6817.6
35°	7095.1	7114.3	7183.4	7243.5	7193.6	7171.9	7202.6	7265.2	7229.4	7157.8	7139.9
37.5°	7492.9	7503.1	7592.6	7654.0	7619.5	7561.9	7600.3	7646.3	7615.6	7528.7	7494.1
40°	7905.9	7943.0	8046.6	8118.2	8058.1	7967.3	8031.3	8095.2	8049.2	7937.9	7879.1
42.5°	8388.1	8416.2	8554.3	8618.3	8521.1	8393.2	8480.1	8567.1	8521.1	8413.6	8362.5
45°	8889.4	8932.9	9097.8	9161.8	9021.1	8858.7	8964.8	9117.0	9113.2	8958.4	8904.7
47.5°	9435.4	9478.9	9675.9	9760.3	9608.1	9390.7	9540.3	9755.2	9739.8	9569.7	9526.2
50°	10065.9	10112.0	10357.5	10463.7	10321.7	10068.5	10293.6	10482.8	10454.7	10245.0	10248.8
52.5°	10857.5	10855.0	11160.6	11344.8	11199.0	10975.2	11182.4	11366.5	11250.2	10959.9	10950.9
55°	11550.7	11592.9	11971.4	12320.6	12311.6	12225.9	12309.1	12316.7	11984.2	11598.0	11550.7
57.5°	12006.0	12086.5	12619.8	13251.6	13724.8	13838.6	13677.4	13188.9	12410.1	11792.4	11716.9
60°	11725.9	11848.7	12686.3	13974.1	15368.1	16036.9	15127.7	13612.2	12078.9	11218.2	11115.9
62.5°	9835.7	10042.9	11269.3	13625.0	16782.5	18737.9	16178.9	12933.1	10761.6	9576.1	9400.9
65°	5990.2	6208.9	7687.2	11214.3	16553.6	20876.2	15699.3	10734.8	7854.8	6380.2	6191.0
67.5°	1996.3	2060.2	2931.2	6198.6	13009.9	18757.1	13031.6	6426.3	3418.4	2266.1	2199.6
70°	781.4	787.8	929.7	1796.8	6143.7	12883.3	6779.3	1828.8	971.9	768.6	785.2
72.5°	574.2	576.8	616.4	750.7	1601.1	5675.6	1658.7	754.5	599.8	538.4	538.4
75°	461.7	461.7	489.8	547.4	717.4	1301.9	727.7	541.0	469.3	429.7	424.6
77.5°	364.5	372.1	393.9	431.0	486.0	626.6	503.9	428.4	378.5	341.5	333.8
80°	271.1	278.8	314.6	332.5	349.1	434.8	372.1	335.1	299.3	255.8	248.1
82.5°	177.8	185.4	230.2	240.4	236.6	283.9	250.7	246.8	220.0	165.0	157.3
85°	116.4	118.9	153.5	159.9	147.1	129.2	159.9	168.8	153.5	107.4	103.6
87.5°	55.0	55.0	78.0	72.9	66.5	53.7	72.9	85.7	87.0	52.4	51.2
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)