

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: P383411

Luminaire Tested: **GAN-SA7B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383411
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-SA7B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38839.9 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

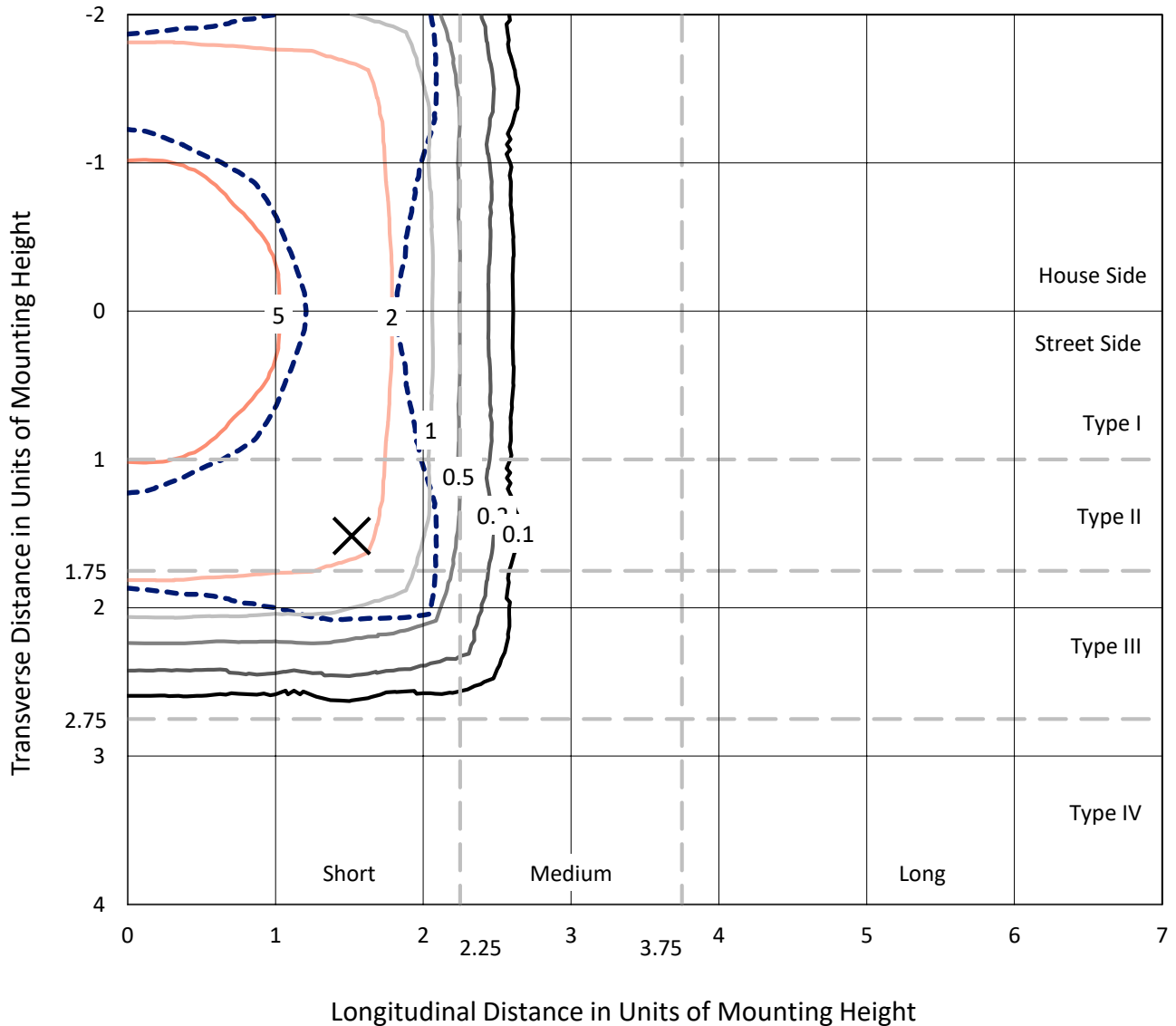
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

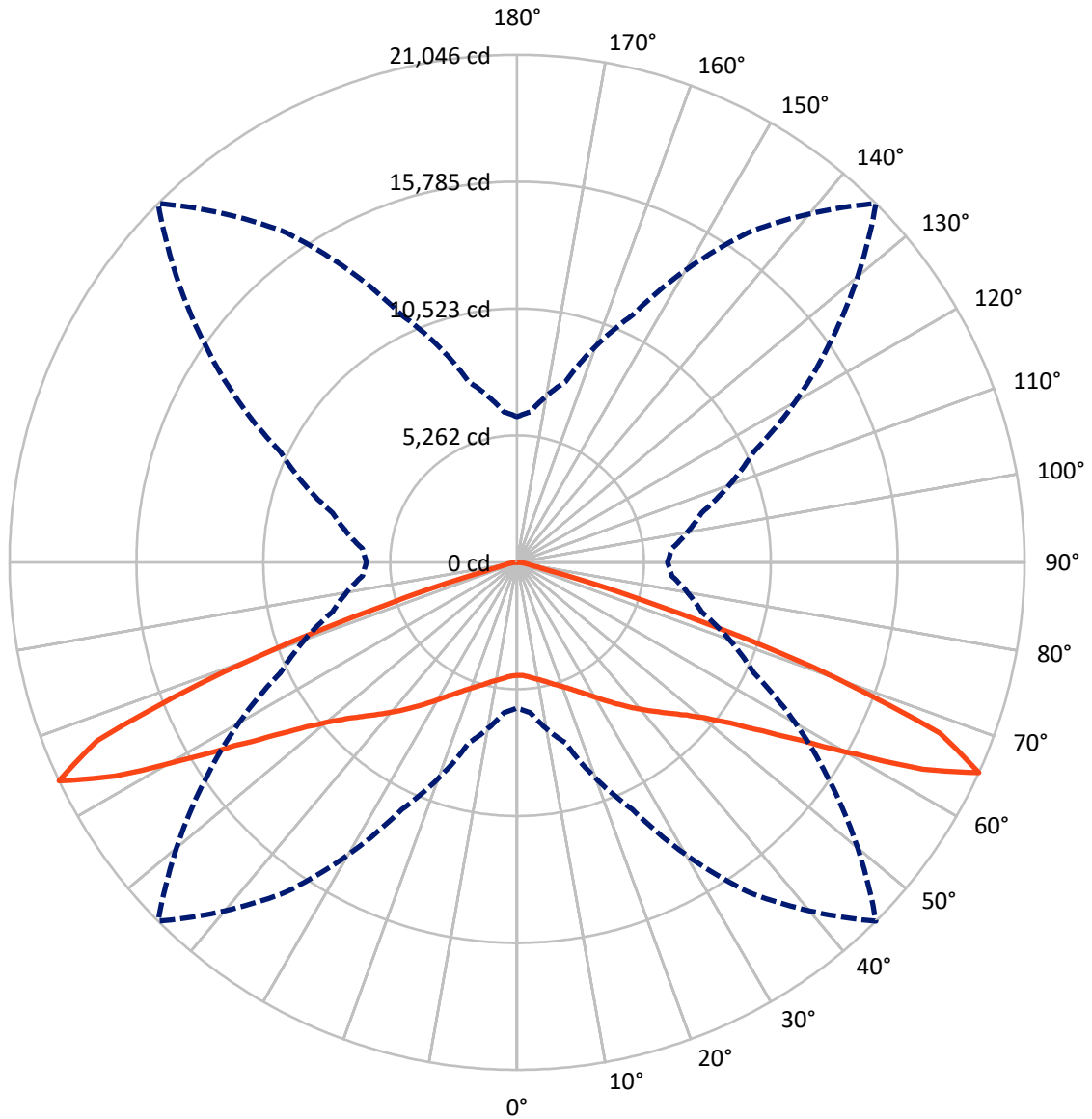
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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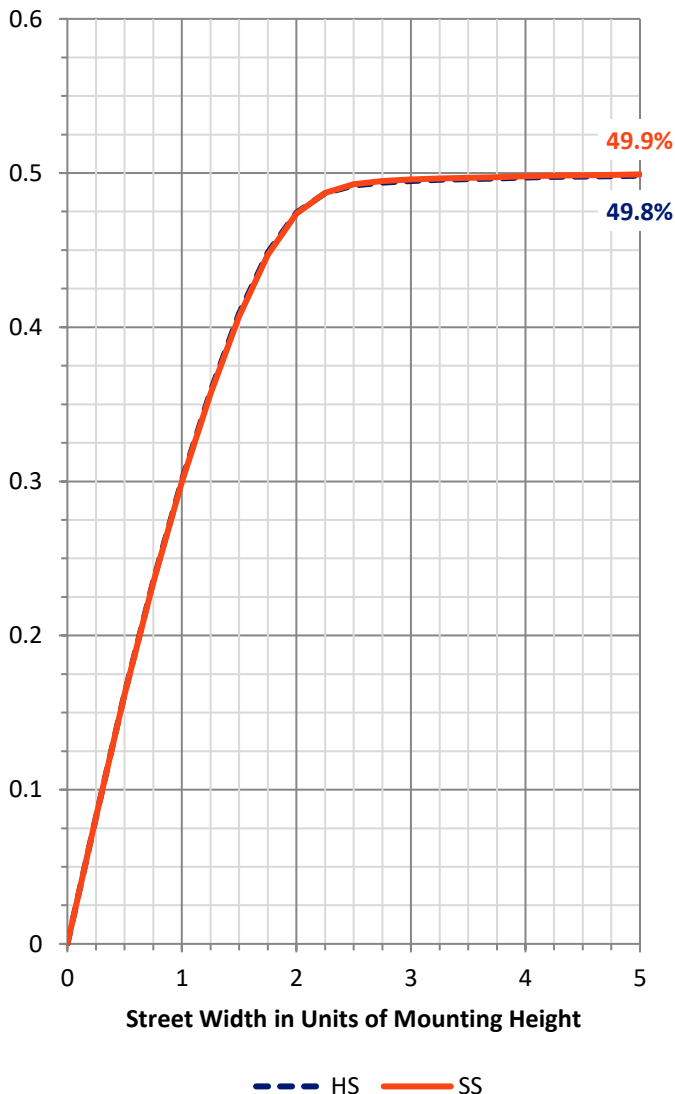
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19420.0	0.0	19420.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19420.0	0.0	19420.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38839.9	0.0	38839.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.2	1.2
10°-20°	1479.2	3.8
20°-30°	2775.2	7.1
30°-40°	4589.7	11.8
40°-50°	7108.8	18.3
50°-60°	10902.9	28.1
60°-70°	10173.6	26.2
70°-80°	1184.1	3.0
80°-90°	166.4	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°	38839.9	100.0
0°-180°	38839.9	100.0



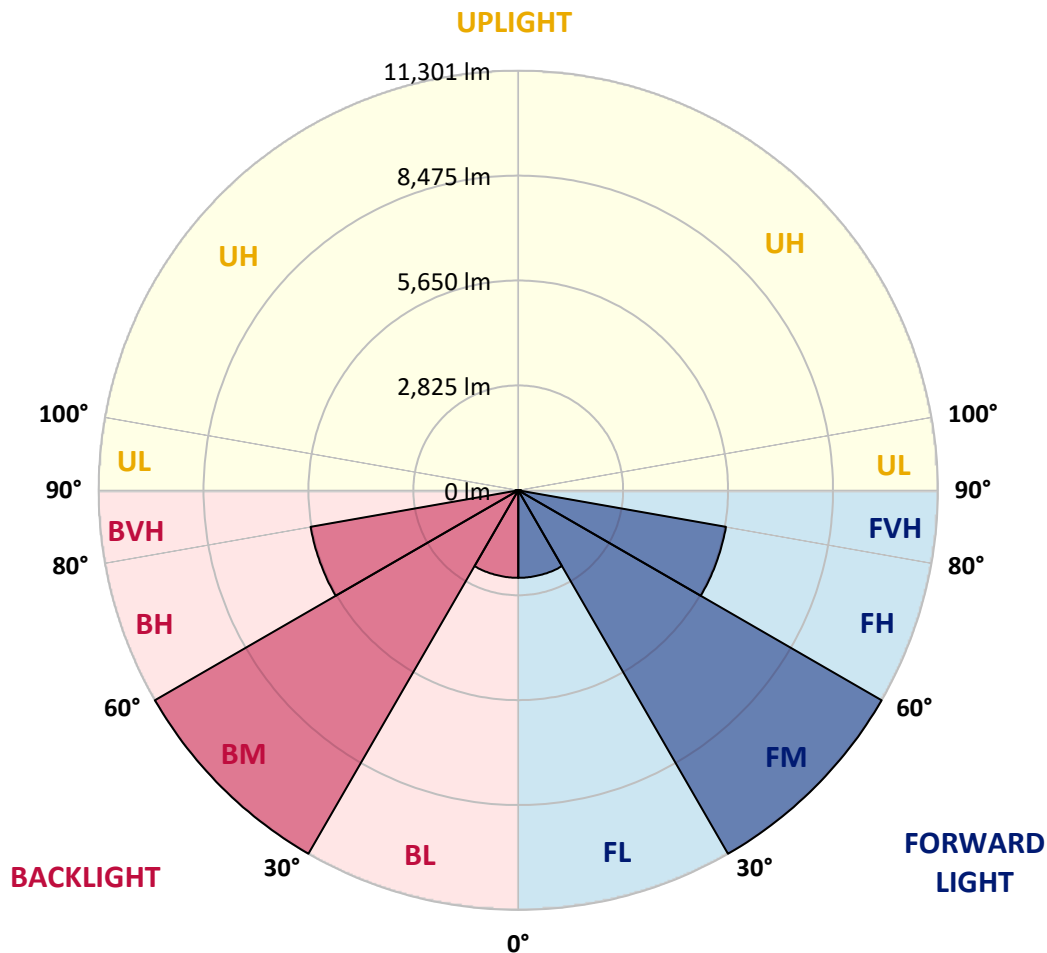
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.3	6.1			
FM (30°-60°)	11300.6	29.1			
FH (60°-80°)	5678.8	14.6			G3/7500
FVH (80°-90°)	83.2	0.2			G1/100
BL (0°-30°)	2357.3	6.1	B3/2500		
BM (30°-60°)	11300.6	29.1	B5		
BH (60°-80°)	5678.8	14.6	B5		G3/7500
BVH (80°-90°)	83.2	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°	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4	4690.4
2.5°	4705.9	4703.3	4705.9	4707.2	4699.5	4703.3	4702.0	4708.5	4711.0	4708.5	4708.5
5°	4760.0	4756.2	4761.3	4767.8	4757.4	4760.0	4756.2	4763.9	4766.4	4761.3	4765.2
7.5°	4834.8	4836.1	4841.3	4852.9	4846.4	4851.6	4843.9	4845.2	4843.9	4836.1	4837.4
10°	4916.1	4917.4	4926.4	4941.9	4944.4	4944.4	4939.3	4935.3	4930.2	4925.1	4926.4
12.5°	5014.1	5020.5	5026.9	5046.3	5046.3	5056.5	5054.0	5043.7	5034.6	5026.9	5026.9
15°	5146.8	5145.5	5153.2	5172.6	5181.6	5198.4	5198.4	5184.2	5172.6	5164.9	5162.3
17.5°	5286.1	5289.9	5295.1	5318.3	5332.5	5351.8	5354.4	5342.8	5335.1	5324.7	5318.3
20°	5448.5	5455.0	5475.5	5484.6	5497.5	5515.6	5522.0	5519.4	5511.7	5506.6	5507.8
22.5°	5638.0	5654.8	5667.7	5680.6	5696.0	5709.0	5715.4	5724.5	5716.7	5712.8	5710.2
25°	5867.5	5879.1	5904.9	5928.1	5938.4	5942.3	5950.1	5962.9	5961.6	5952.6	5952.6
27.5°	6128.0	6149.9	6182.1	6215.7	6215.7	6202.7	6228.5	6250.4	6242.7	6231.1	6215.7
30°	6443.9	6464.5	6501.8	6548.3	6525.0	6516.1	6550.8	6590.8	6579.2	6559.9	6557.3
32.5°	6784.2	6803.6	6852.6	6902.9	6873.1	6860.3	6897.6	6955.7	6935.1	6896.3	6873.1
35°	7153.0	7172.3	7241.9	7302.5	7252.2	7230.3	7261.2	7324.4	7288.3	7216.1	7198.1
37.5°	7553.9	7564.3	7654.4	7716.4	7681.5	7623.5	7662.3	7708.6	7677.7	7590.0	7555.2
40°	7970.3	8007.8	8112.2	8184.4	8123.7	8032.3	8096.7	8161.2	8114.7	8002.6	7943.3
42.5°	8456.4	8484.8	8624.0	8688.5	8590.5	8461.5	8549.3	8636.9	8590.5	8482.2	8430.6
45°	8961.8	9005.6	9171.9	9236.4	9094.6	8930.8	9037.9	9191.3	9187.5	9031.4	8977.3
47.5°	9512.3	9556.2	9754.7	9839.8	9686.4	9467.2	9618.0	9834.6	9819.2	9647.7	9603.9
50°	10148.0	10194.4	10441.9	10548.9	10405.9	10150.5	10377.4	10568.2	10539.9	10328.4	10332.4
52.5°	10946.1	10943.4	11251.6	11437.3	11290.3	11064.6	11273.5	11459.2	11341.9	11049.2	11040.1
55°	11644.8	11687.4	12068.9	12421.0	12411.9	12325.6	12409.3	12417.1	12081.9	11692.5	11644.8
57.5°	12103.8	12185.0	12722.6	13359.6	13836.6	13951.3	13788.9	13296.4	12511.2	11888.5	11812.4
60°	11821.4	11945.2	12789.7	14088.0	15493.3	16167.7	15250.9	13723.1	12177.3	11309.6	11206.4
62.5°	9915.9	10124.7	11361.2	13736.0	16919.2	18890.6	16310.7	13038.5	10849.4	9654.2	9477.6
65°	6039.0	6259.4	7749.9	11305.7	16688.5	21046.3	15827.3	10822.3	7918.8	6432.2	6241.5
67.5°	2012.6	2077.1	2955.1	6249.2	13115.9	18910.0	13137.8	6478.6	3446.3	2284.6	2217.5
70°	787.7	794.2	937.3	1811.5	6193.8	12988.3	6834.5	1843.7	979.9	774.9	791.6
72.5°	578.9	581.5	621.4	756.8	1614.2	5721.8	1672.2	760.7	604.7	542.8	542.8
75°	465.4	465.4	493.8	551.8	723.3	1312.5	733.6	545.3	473.1	433.2	428.0
77.5°	367.4	375.2	397.1	434.5	489.9	631.8	508.0	431.9	381.7	344.2	336.5
80°	273.3	281.0	317.2	335.2	351.9	438.4	375.2	337.8	301.7	257.9	250.1
82.5°	179.2	187.0	232.0	242.4	238.5	286.3	252.7	248.8	221.8	166.3	158.5
85°	117.3	119.9	154.7	161.2	148.3	130.2	161.2	170.2	154.7	108.3	104.4
87.5°	55.4	55.4	78.6	73.5	67.1	54.1	73.5	86.4	87.7	52.8	51.6
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)