

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: P316521

Luminaire Tested: **GAN-SA7B-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7B-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42461 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

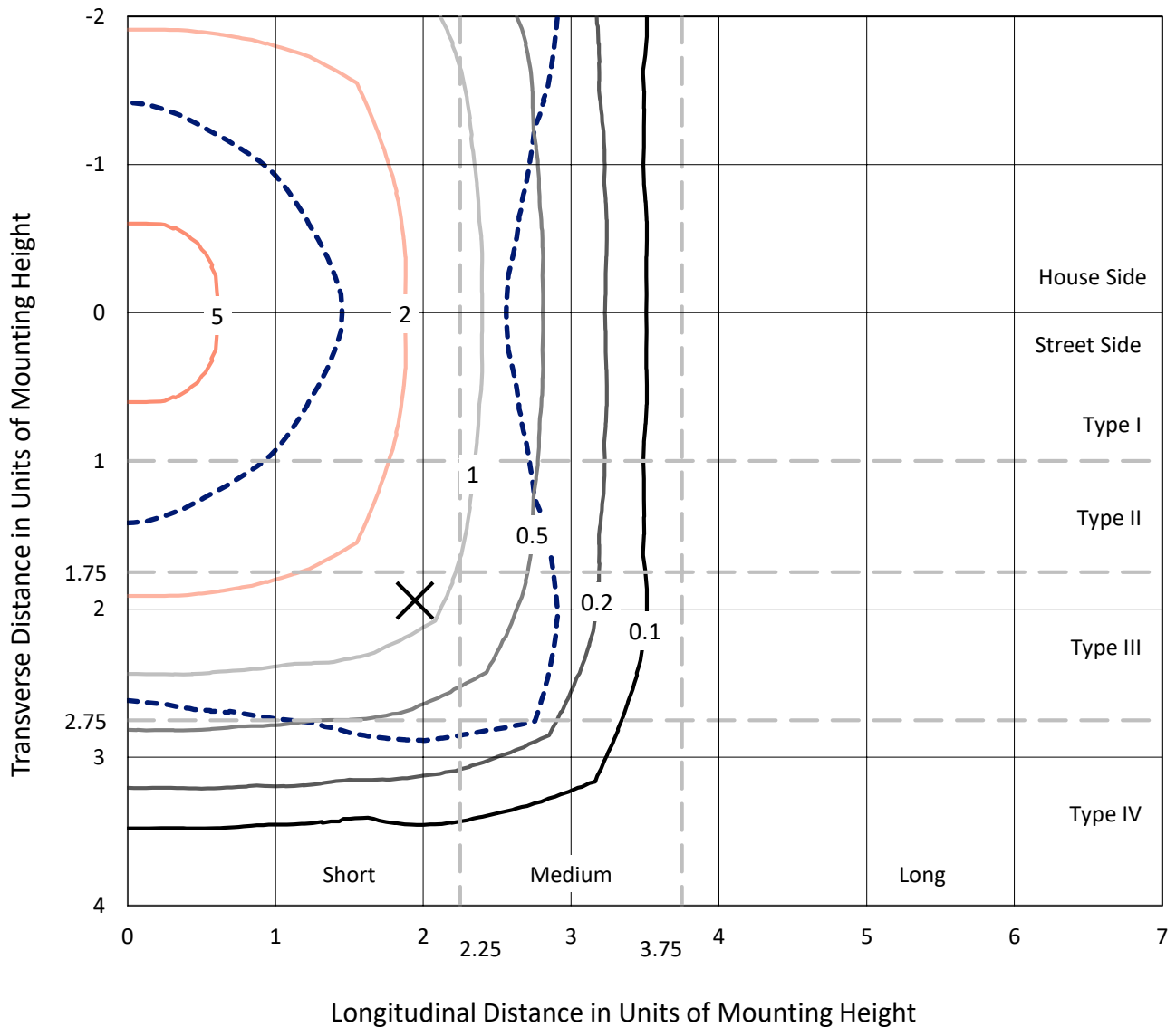
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

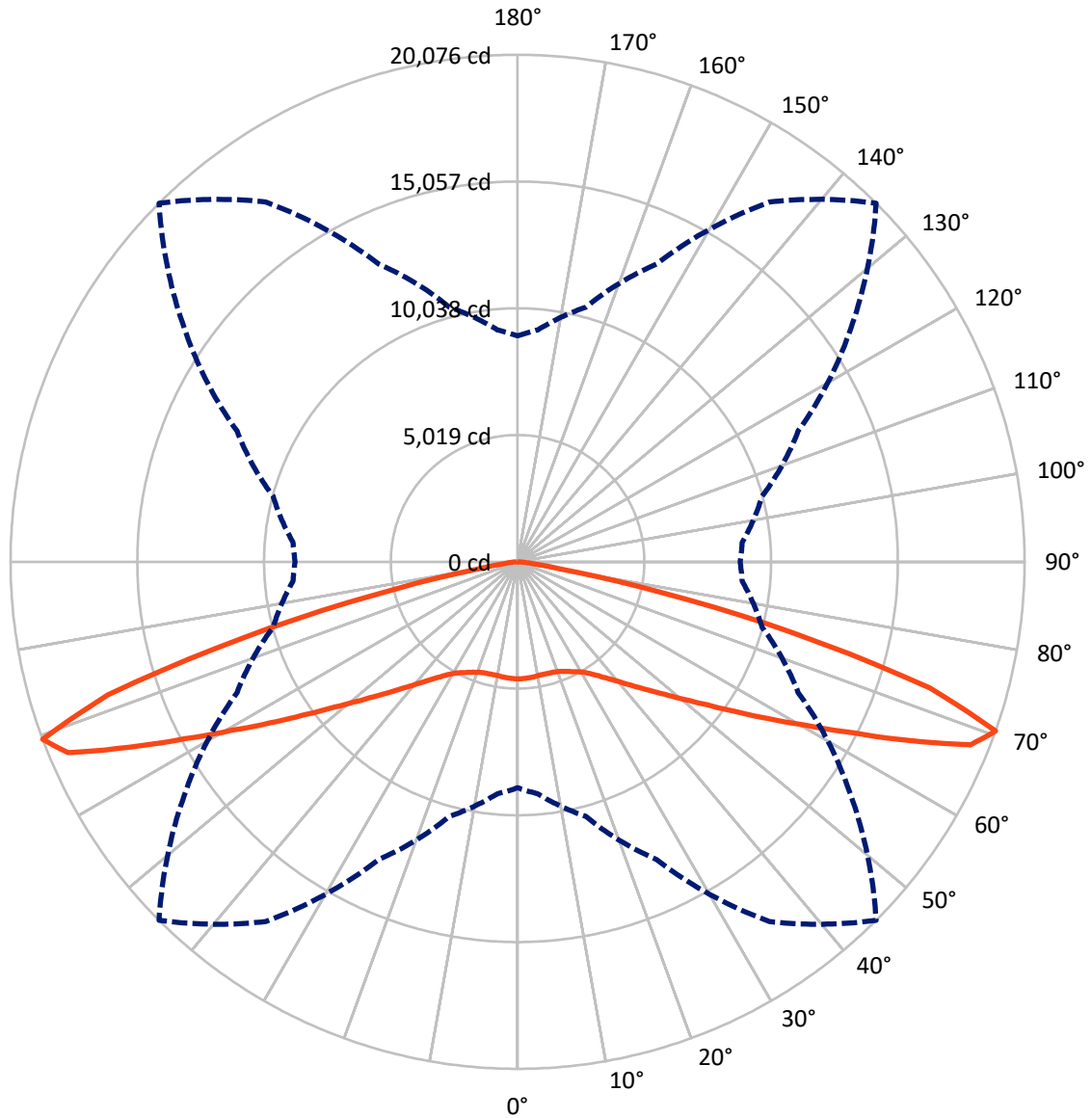
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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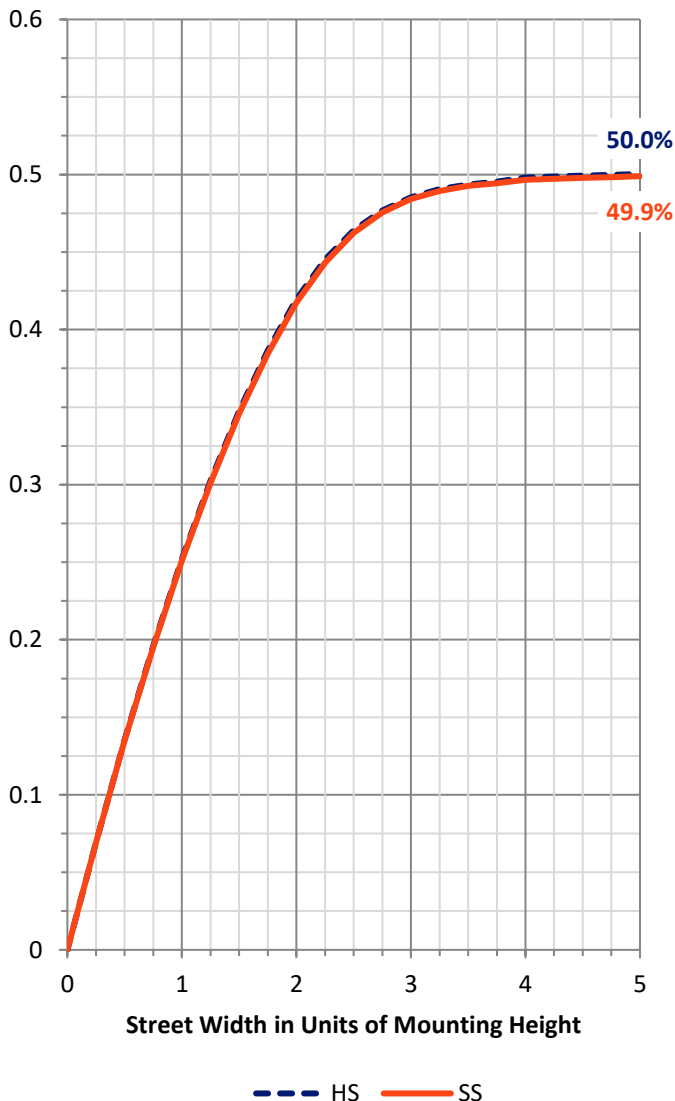
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21230.5	0.0	21230.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21230.5	0.0	21230.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42461.0	0.0	42461.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.2	1.0
10°-20°	1289.4	3.0
20°-30°	2195.0	5.2
30°-40°	3481.2	8.2
40°-50°	5665.0	13.3
50°-60°	9340.6	22.0
60°-70°	13712.3	32.3
70°-80°	6063.6	14.3
80°-90°	274.6	0.6
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°	42461.0	100.0
0°-180°	42461.0	100.0

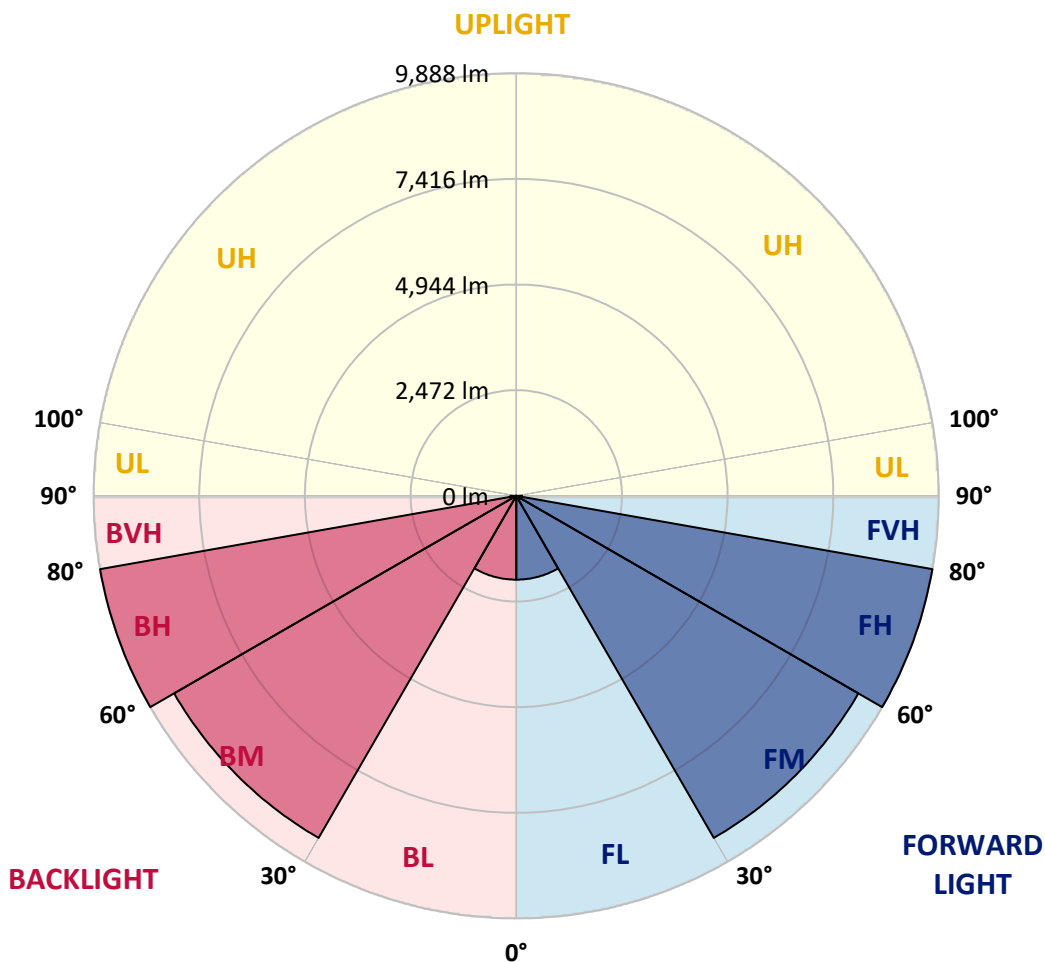


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1961.8	4.6			
FM (30°-60°)	9243.5	21.8			
FH (60°-80°)	9887.9	23.3			G4/12000
FVH (80°-90°)	137.3	0.3			G2/225
BL (0°-30°)	1961.8	4.6	B3/2500		
BM (30°-60°)	9243.5	21.8	B5		
BH (60°-80°)	9887.9	23.3	B5		G4/12000
BVH (80°-90°)	137.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4
2.5°	4630.4	4626.2	4636.0	4634.6	4626.2	4627.6	4627.6	4631.8	4631.8	4629.0	4629.0
5°	4613.5	4610.7	4621.9	4621.9	4613.5	4616.3	4619.1	4623.3	4621.9	4619.1	4617.7
7.5°	4592.4	4591.0	4602.3	4602.3	4596.6	4599.5	4596.6	4598.1	4595.2	4592.4	4588.2
10°	4557.3	4560.1	4569.9	4572.8	4572.8	4574.2	4571.4	4564.3	4560.1	4555.9	4551.7
12.5°	4525.0	4523.6	4537.6	4544.7	4555.9	4568.5	4560.1	4540.4	4532.0	4523.6	4520.8
15°	4503.9	4505.3	4519.4	4532.0	4551.7	4578.4	4568.5	4537.6	4520.8	4510.9	4508.1
17.5°	4499.7	4502.5	4520.8	4543.2	4564.3	4593.8	4588.2	4557.3	4529.2	4510.9	4506.7
20°	4509.5	4510.9	4539.0	4571.4	4607.9	4636.0	4623.3	4589.6	4551.7	4523.6	4516.5
22.5°	4527.8	4533.4	4568.5	4619.1	4675.3	4713.3	4697.8	4640.2	4581.2	4546.1	4536.2
25°	4585.4	4586.8	4634.6	4703.4	4770.9	4814.5	4796.2	4714.7	4638.8	4599.5	4586.8
27.5°	4704.9	4709.1	4756.9	4837.0	4894.6	4922.7	4911.4	4845.4	4780.7	4738.6	4742.8
30°	4877.7	4883.3	4936.7	5025.3	5060.4	5067.4	5064.6	5033.7	4974.7	4918.5	4922.7
32.5°	5088.5	5091.3	5163.0	5243.1	5271.2	5276.8	5271.2	5243.1	5172.8	5096.9	5101.1
35°	5359.7	5368.1	5437.0	5514.3	5536.8	5548.0	5538.2	5501.6	5428.6	5354.1	5351.3
37.5°	5694.2	5695.6	5767.2	5847.3	5875.4	5878.3	5867.0	5843.1	5751.8	5684.3	5680.1
40°	6082.0	6087.6	6172.0	6257.7	6268.9	6256.3	6271.7	6257.7	6163.5	6086.2	6098.9
42.5°	6554.2	6566.8	6668.0	6752.3	6720.0	6713.0	6722.8	6727.0	6651.2	6557.0	6548.6
45°	7103.7	7114.9	7241.4	7308.8	7287.7	7241.4	7261.0	7294.8	7189.4	7072.7	7084.0
47.5°	7730.4	7758.5	7893.4	7956.7	7904.7	7841.4	7879.4	7930.0	7806.3	7661.6	7654.5
50°	8427.4	8462.6	8642.4	8731.0	8679.0	8562.3	8625.6	8659.3	8480.8	8293.9	8278.5
52.5°	9170.8	9205.9	9432.2	9614.9	9581.2	9399.9	9488.4	9453.3	9248.1	8996.6	8976.9
55°	10012.6	10026.6	10271.1	10566.3	10600.0	10466.5	10460.9	10403.2	10099.7	9808.8	9794.8
57.5°	10878.2	10888.1	11204.2	11552.8	11711.5	11711.5	11554.2	11431.9	11028.6	10691.3	10656.2
60°	11812.7	11847.9	12197.8	12671.3	13042.3	13152.0	12873.7	12540.7	12102.2	11690.5	11649.7
62.5°	12644.6	12685.4	13220.8	13926.3	14522.1	14921.2	14241.0	13698.6	12900.4	12239.9	12162.6
65°	12750.0	12859.7	13639.6	14917.0	16250.6	17047.4	15743.3	14406.9	12952.4	12034.8	11956.1
67.5°	11644.1	11829.6	12883.5	14872.0	17627.7	19338.0	16703.1	14002.1	12019.3	11004.7	10917.6
70°	8947.4	9217.2	10432.7	13008.6	17390.3	20075.7	16101.6	12258.2	10021.0	8929.1	8806.8
72.5°	4908.6	5019.6	6112.9	8908.0	13941.7	17060.0	13430.2	9064.0	6645.5	5407.5	5202.3
75°	1557.0	1596.4	2152.9	3645.3	7886.4	11299.8	8531.4	4449.1	2449.4	1805.8	1784.7
77.5°	691.4	695.6	778.5	1063.8	2716.4	5725.1	3263.0	1211.3	834.7	729.3	753.2
80°	437.0	437.0	482.0	527.0	739.2	1662.4	882.5	576.2	491.8	456.7	466.6
82.5°	209.4	231.9	313.4	337.3	406.1	559.3	452.5	376.6	328.8	244.5	227.7
85°	137.7	115.2	198.1	223.4	236.1	268.4	262.8	248.7	215.0	122.3	136.3
87.5°	61.8	59.0	102.6	94.2	88.5	67.5	101.2	125.1	120.9	60.4	60.4
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)