

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: P316481

Luminaire Tested: **GAN-SA7B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316481
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 42462 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

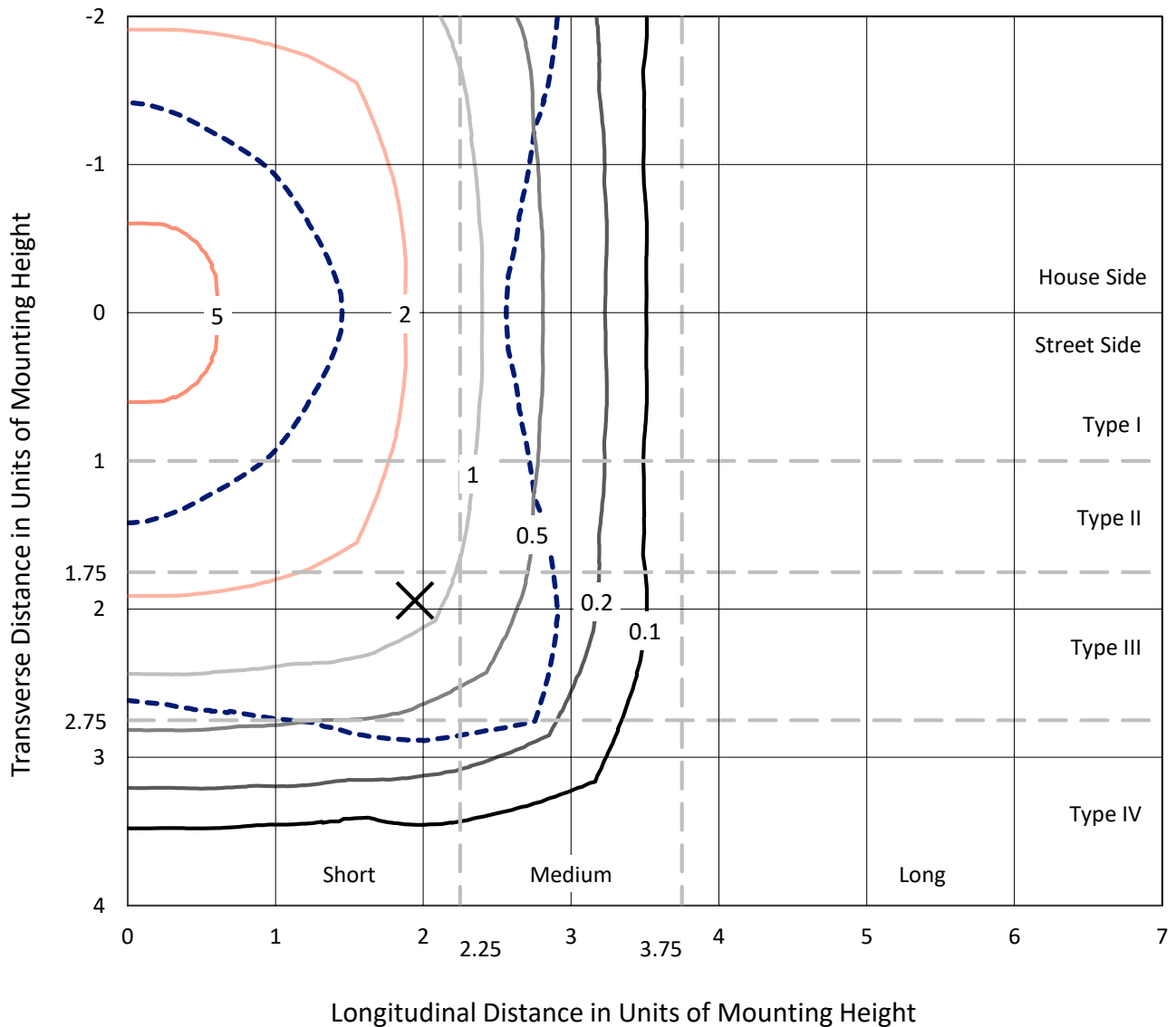
Input Watts (W): 295
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316481
 CATALOG NUMBER: GAN-SA7B-740-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

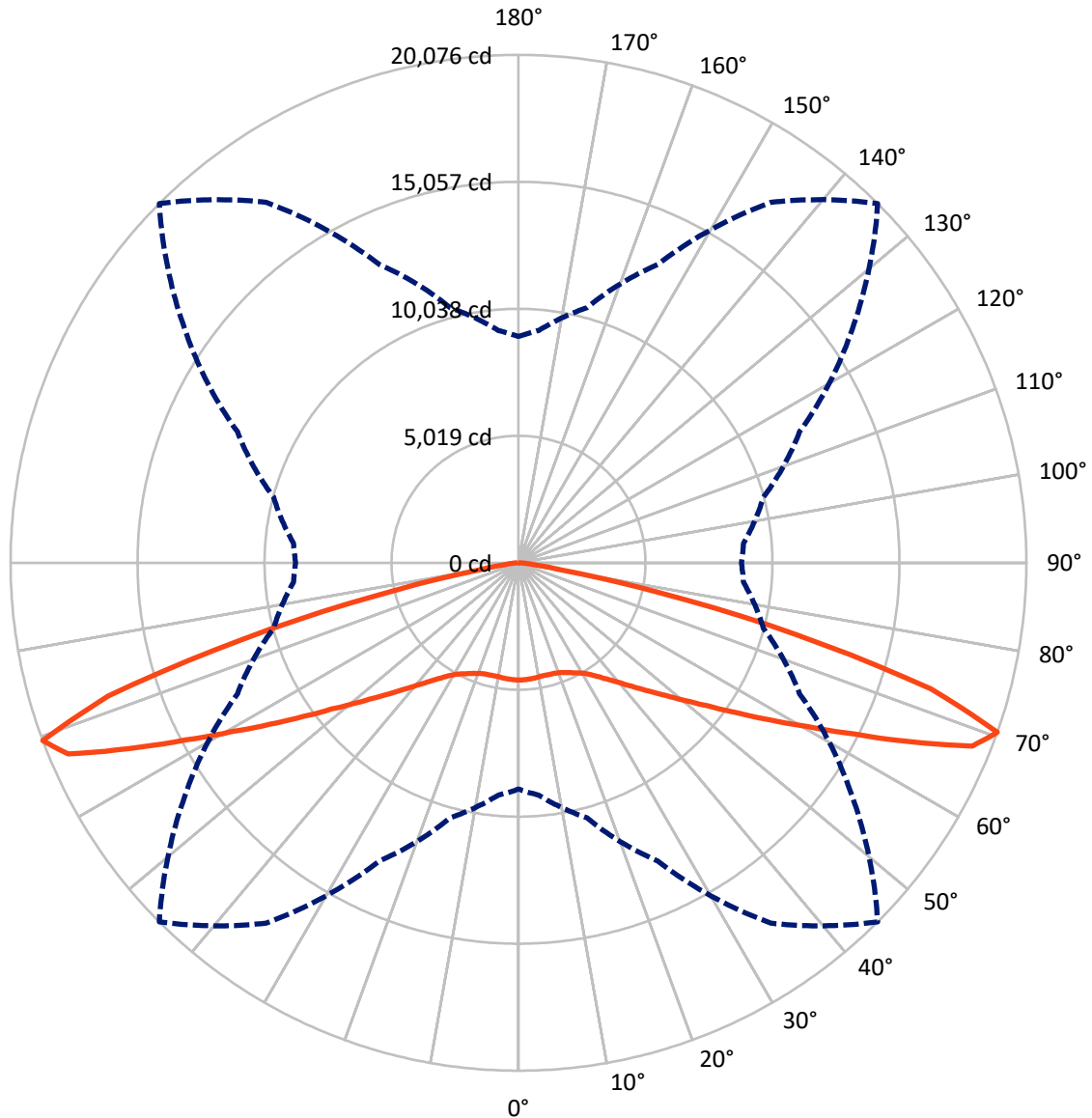
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P316481
CATALOG NUMBER: GAN-SA7B-740-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316481
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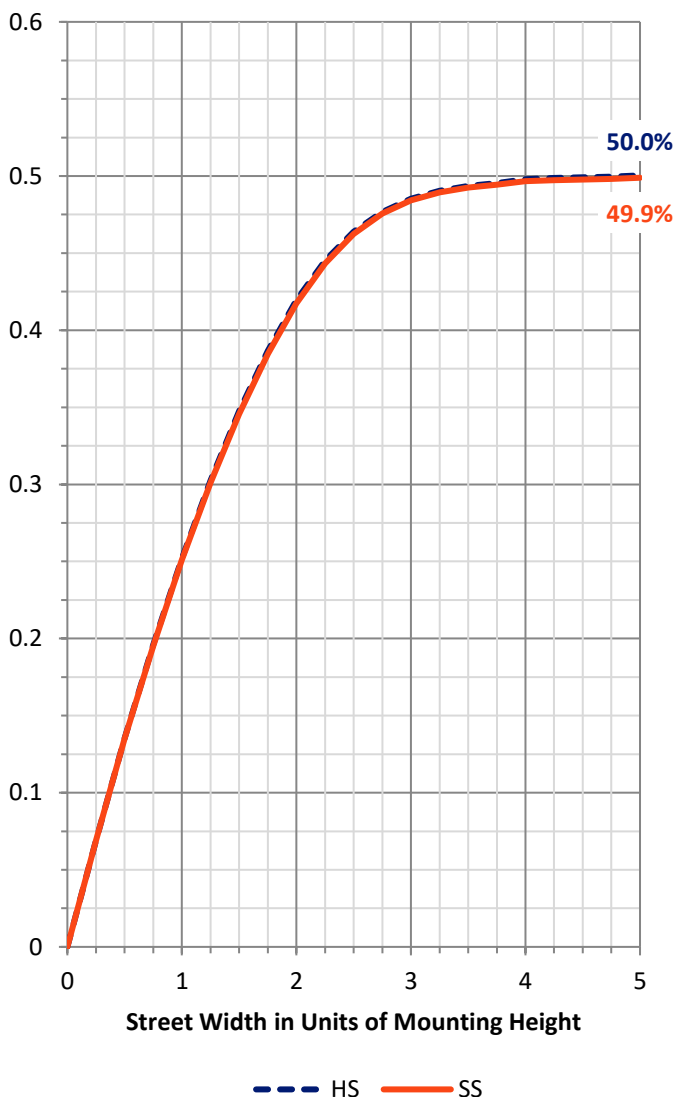
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21231.0	0.0	21231.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21231.0	0.0	21231.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42462.0	0.0	42462.0
	% Fixture	100.0	0.0	100.0

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°	3481.3	8.2
40°-50°	5665.2	13.3
50°-60°	9340.9	22.0
60°-70°	13712.6	32.3
70°-80°	6063.7	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°	42462.0	100.0
0°-180°	42462.0	100.0

Coefficient of Utilization



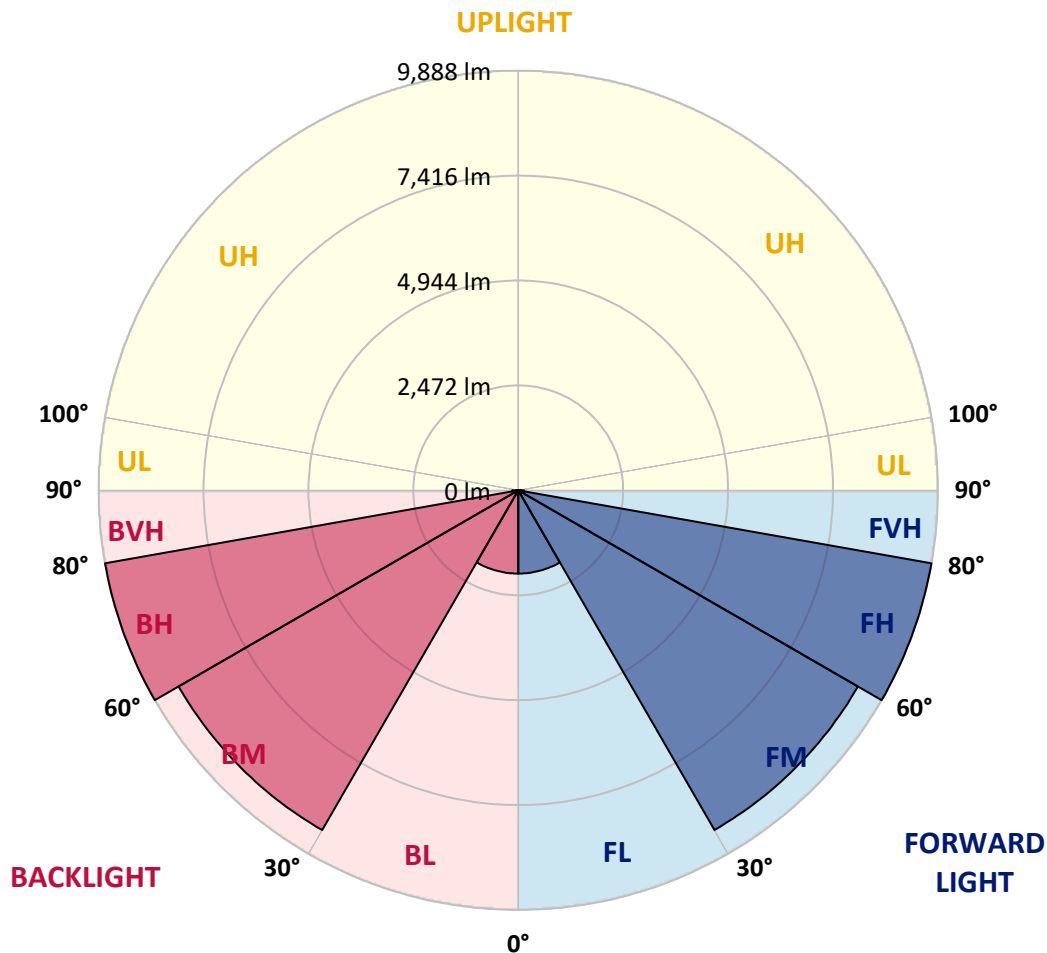
REPORT NUMBER: P316481
 CATALOG NUMBER: GAN-SA7B-740-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1961.9	4.6			
FM (30°-60°)	9243.7	21.8			
FH (60°-80°)	9888.2	23.3			G4/12000
FVH (80°-90°)	137.3	0.3			G2/225
BL (0°-30°)	1961.9	4.6	B3/2500		
BM (30°-60°)	9243.7	21.8	B5		
BH (60°-80°)	9888.2	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°	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5	4637.5
2.5°	4630.5	4626.3	4636.1	4634.7	4626.3	4627.7	4627.7	4631.9	4631.9	4629.1	4629.1
5°	4613.6	4610.8	4622.1	4622.1	4613.6	4616.4	4619.2	4623.5	4622.1	4619.2	4617.8
7.5°	4592.5	4591.1	4602.4	4602.4	4596.8	4599.6	4596.8	4598.2	4595.4	4592.5	4588.3
10°	4557.4	4560.2	4570.1	4572.9	4572.9	4574.3	4571.5	4564.4	4560.2	4556.0	4551.8
12.5°	4525.1	4523.7	4537.7	4544.8	4556.0	4568.7	4560.2	4540.5	4532.1	4523.7	4520.9
15°	4504.0	4505.4	4519.5	4532.1	4551.8	4578.5	4568.7	4537.7	4520.9	4511.0	4508.2
17.5°	4499.8	4502.6	4520.9	4543.4	4564.4	4593.9	4588.3	4557.4	4529.3	4511.0	4506.8
20°	4509.6	4511.0	4539.1	4571.5	4608.0	4636.1	4623.5	4589.7	4551.8	4523.7	4516.7
22.5°	4527.9	4533.5	4568.7	4619.2	4675.5	4713.4	4697.9	4640.3	4581.3	4546.2	4536.3
25°	4585.5	4586.9	4634.7	4703.6	4771.0	4814.6	4796.3	4714.8	4638.9	4599.6	4586.9
27.5°	4705.0	4709.2	4757.0	4837.1	4894.7	4922.8	4911.5	4845.5	4780.9	4738.7	4742.9
30°	4877.8	4883.4	4936.8	5025.4	5060.5	5067.5	5064.7	5033.8	4974.8	4918.6	4922.8
32.5°	5088.6	5091.4	5163.1	5243.2	5271.3	5276.9	5271.3	5243.2	5172.9	5097.0	5101.3
35°	5359.8	5368.3	5437.1	5514.4	5536.9	5548.1	5538.3	5501.8	5428.7	5354.2	5351.4
37.5°	5694.3	5695.7	5767.4	5847.5	5875.6	5878.4	5867.2	5843.3	5751.9	5684.5	5680.2
40°	6082.2	6087.8	6172.1	6257.8	6269.1	6256.4	6271.9	6257.8	6163.7	6086.4	6099.0
42.5°	6554.3	6567.0	6668.2	6752.5	6720.2	6713.1	6723.0	6727.2	6651.3	6557.2	6548.7
45°	7103.8	7115.1	7241.5	7309.0	7287.9	7241.5	7261.2	7294.9	7189.5	7072.9	7084.1
47.5°	7730.6	7758.7	7893.6	7956.8	7904.8	7841.6	7879.6	7930.1	7806.5	7661.7	7654.7
50°	8427.6	8462.8	8642.6	8731.2	8679.2	8562.5	8625.8	8659.5	8481.0	8294.1	8278.7
52.5°	9171.0	9206.2	9432.4	9615.1	9581.4	9400.1	9488.6	9453.5	9248.3	8996.8	8977.1
55°	10012.8	10026.9	10271.4	10566.5	10600.2	10466.7	10461.1	10403.5	10099.9	9809.0	9795.0
57.5°	10878.5	10888.3	11204.5	11553.0	11711.8	11711.8	11554.4	11432.2	11028.8	10691.6	10656.4
60°	11813.0	11848.1	12198.1	12671.6	13042.6	13152.3	12874.0	12541.0	12102.5	11690.7	11650.0
62.5°	12644.9	12685.7	13221.1	13926.6	14522.4	14921.5	14241.4	13698.9	12900.7	12240.2	12162.9
65°	12750.3	12860.0	13639.9	14917.3	16251.0	17047.8	15743.6	14407.2	12952.7	12035.0	11956.3
67.5°	11644.4	11829.9	12883.8	14872.4	17628.2	19338.4	16703.5	14002.5	12019.6	11005.0	10917.8
70°	8947.6	9217.4	10433.0	13008.9	17390.7	20076.2	16102.0	12258.5	10021.2	8929.3	8807.1
72.5°	4908.7	5019.8	6113.1	8908.2	13942.0	17060.4	13430.5	9064.2	6645.7	5407.6	5202.4
75°	1557.1	1596.4	2152.9	3645.4	7886.6	11300.1	8531.6	4449.2	2449.4	1805.8	1784.7
77.5°	691.4	695.6	778.5	1063.8	2716.5	5725.2	3263.1	1211.4	834.8	729.4	753.2
80°	437.1	437.1	482.0	527.0	739.2	1662.5	882.5	576.2	491.9	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)