

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: P316721

Luminaire Tested: **GAN-SA7B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316721
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-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 34868 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

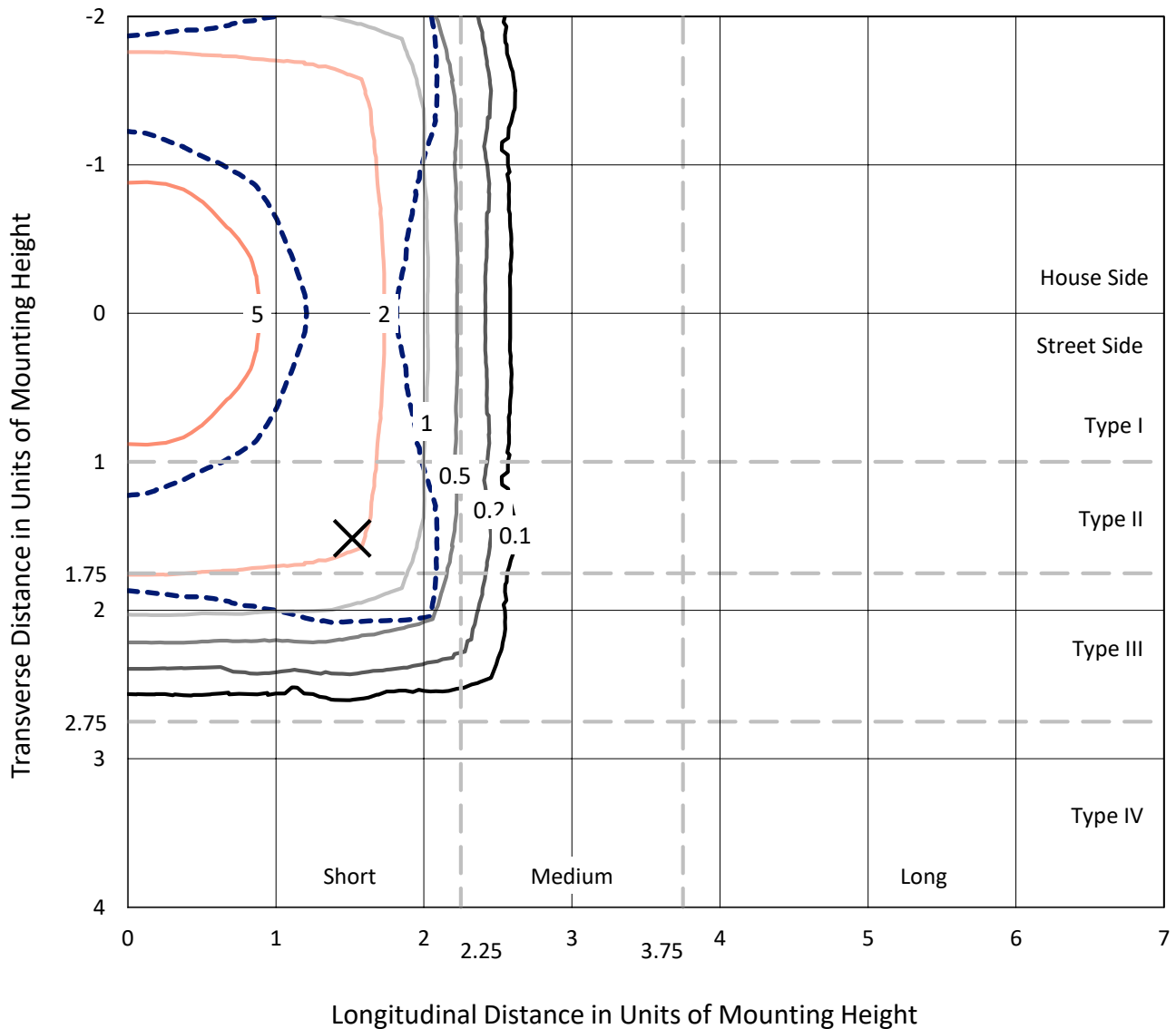
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316721
 CATALOG NUMBER: GAN-SA7B-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

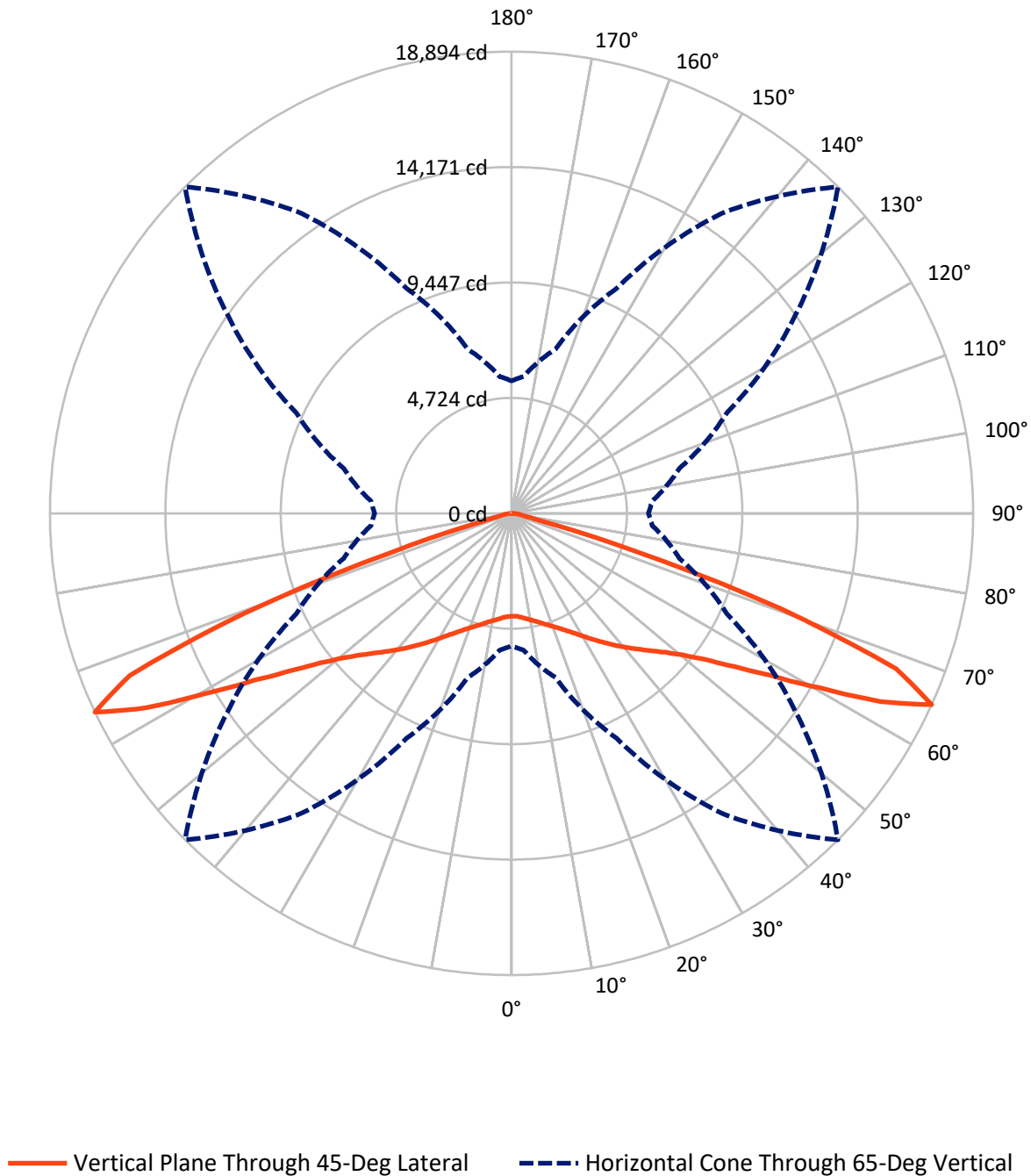
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316721
CATALOG NUMBER: GAN-SA7B-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316721

CATALOG NUMBER: GAN-SA7B-727-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17434.0	0.0	17434.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17434.0	0.0	17434.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34868.0	0.0	34868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.1	1.2
10°-20°	1327.9	3.8
20°-30°	2491.4	7.1
30°-40°	4120.3	11.8
40°-50°	6381.8	18.3
50°-60°	9787.9	28.1
60°-70°	9133.2	26.2
70°-80°	1063.0	3.0
80°-90°	149.4	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°	34868.0	100.0
0°-180°	34868.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316721

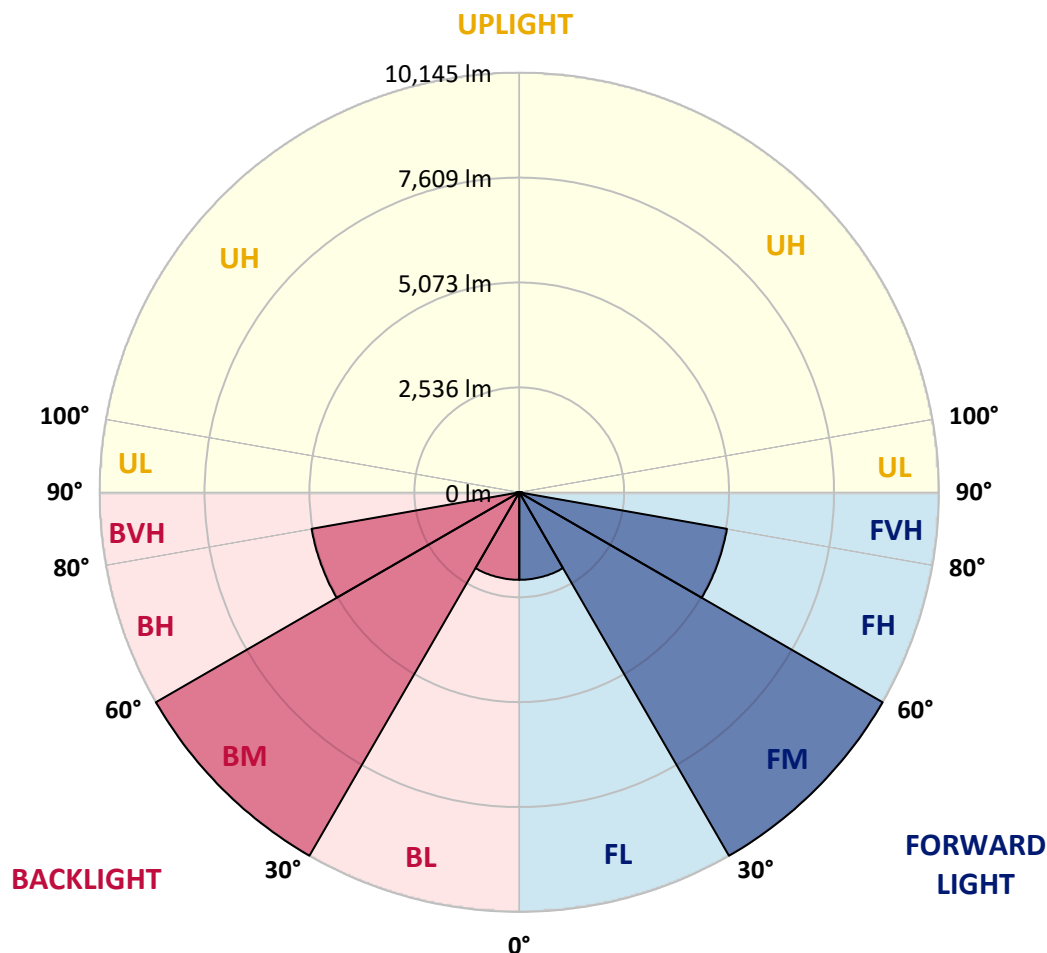
CATALOG NUMBER: GAN-SA7B-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2116.2	6.1			
FM	(30°-60°)	10145.0	29.1			
FH	(60°-80°)	5098.1	14.6			G3/7500
FVH	(80°-90°)	74.7	0.2			G1/100
BL	(0°-30°)	2116.2	6.1	B3/2500		
BM	(30°-60°)	10145.0	29.1	B5		
BH	(60°-80°)	5098.1	14.6	B5		G3/7500
BVH	(80°-90°)	74.7	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





REPORT NUMBER: P316721

CATALOG NUMBER: GAN-SA7B-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8	4210.8
2.5°	4224.6	4222.3	4224.6	4225.8	4218.9	4222.3	4221.2	4227.0	4229.3	4227.0	4227.0
5°	4273.3	4269.8	4274.4	4280.2	4270.9	4273.3	4269.8	4276.7	4279.0	4274.4	4277.9
7.5°	4340.4	4341.5	4346.2	4356.6	4350.8	4355.4	4348.5	4349.6	4348.5	4341.5	4342.7
10°	4413.3	4414.5	4422.6	4436.5	4438.8	4438.8	4434.1	4430.7	4426.0	4421.4	4422.6
12.5°	4501.3	4507.1	4512.8	4530.2	4530.2	4539.5	4537.1	4527.9	4519.8	4512.8	4512.8
15°	4620.5	4619.3	4626.3	4643.6	4651.7	4666.8	4666.8	4654.1	4643.6	4636.7	4634.4
17.5°	4745.5	4749.0	4753.6	4774.4	4787.2	4804.5	4806.8	4796.4	4789.5	4780.2	4774.4
20°	4891.3	4897.1	4915.6	4923.7	4935.3	4951.5	4957.3	4955.0	4948.0	4943.4	4944.6
22.5°	5061.5	5076.5	5088.1	5099.7	5113.6	5125.1	5130.9	5139.0	5132.1	5128.6	5126.3
25°	5267.5	5277.9	5301.1	5321.9	5331.2	5334.6	5341.6	5353.1	5352.0	5343.9	5343.9
27.5°	5501.3	5521.0	5549.9	5580.0	5580.0	5568.4	5591.6	5611.3	5604.3	5593.9	5580.0
30°	5784.9	5803.4	5837.0	5878.6	5857.8	5849.7	5880.9	5916.8	5906.4	5889.0	5886.7
32.5°	6090.4	6107.8	6151.8	6196.9	6170.3	6158.7	6192.3	6244.4	6225.8	6191.1	6170.3
35°	6421.5	6438.8	6501.3	6555.7	6510.6	6490.9	6518.7	6575.4	6543.0	6478.2	6462.0
37.5°	6781.4	6790.7	6871.7	6927.3	6896.0	6843.9	6878.6	6920.3	6892.5	6813.8	6782.6
40°	7155.3	7188.8	7282.6	7347.4	7293.0	7210.8	7268.7	7326.6	7284.9	7184.2	7131.0
42.5°	7591.6	7617.1	7742.1	7800.0	7712.0	7596.3	7675.0	7753.7	7712.0	7614.8	7568.5
45°	8045.3	8084.7	8234.0	8291.9	8164.6	8017.6	8113.6	8251.4	8247.9	8107.8	8059.2
47.5°	8539.6	8578.9	8757.2	8833.6	8695.8	8499.1	8634.5	8828.9	8815.0	8661.1	8621.7
50°	9110.2	9151.8	9374.1	9470.1	9341.7	9112.5	9316.2	9487.5	9462.0	9272.2	9275.7
52.5°	9826.6	9824.3	10100.9	10267.6	10135.7	9933.1	10120.6	10287.3	10182.0	9919.2	9911.1
55°	10454.0	10492.2	10834.8	11150.7	11142.6	11065.1	11140.3	11147.3	10846.3	10496.8	10454.0
57.5°	10866.0	10938.9	11421.6	11993.4	12421.6	12524.6	12378.8	11936.6	11231.8	10672.7	10604.4
60°	10612.5	10723.6	11481.8	12647.3	13908.9	14514.2	13691.3	12319.7	10932.0	10153.0	10060.4
62.5°	8901.8	9089.3	10199.3	12331.3	15189.0	16958.8	14642.7	11705.2	9739.8	8666.9	8508.3
65°	5421.4	5619.4	6957.3	10149.6	14981.9	18894.0	14208.7	9715.5	7109.0	5774.4	5603.1
67.5°	1806.8	1864.6	2652.8	5610.1	11774.6	16976.1	11794.3	5816.1	3093.8	2051.0	1990.8
70°	707.2	713.0	841.5	1626.2	5560.3	11660.0	6135.6	1655.1	879.7	695.6	710.7
72.5°	519.7	522.0	557.9	679.4	1449.1	5136.7	1501.2	682.9	542.8	487.3	487.3
75°	417.8	417.8	443.3	495.4	649.3	1178.3	658.6	489.6	424.8	388.9	384.3
77.5°	329.9	336.8	356.5	390.1	439.8	567.1	456.0	387.7	342.6	309.0	302.1
80°	245.4	252.3	284.7	300.9	316.0	393.5	336.8	303.2	270.8	231.5	224.5
82.5°	160.9	167.8	208.3	217.6	214.1	257.0	226.9	223.4	199.1	149.3	142.4
85°	105.3	107.6	138.9	144.7	133.1	116.9	144.7	152.8	138.9	97.2	93.8
87.5°	49.8	49.8	70.6	66.0	60.2	48.6	66.0	77.5	78.7	47.5	46.3
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)