

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: P316723

Luminaire Tested: **GAN-SA9B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316723
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-SA9B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 44071 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

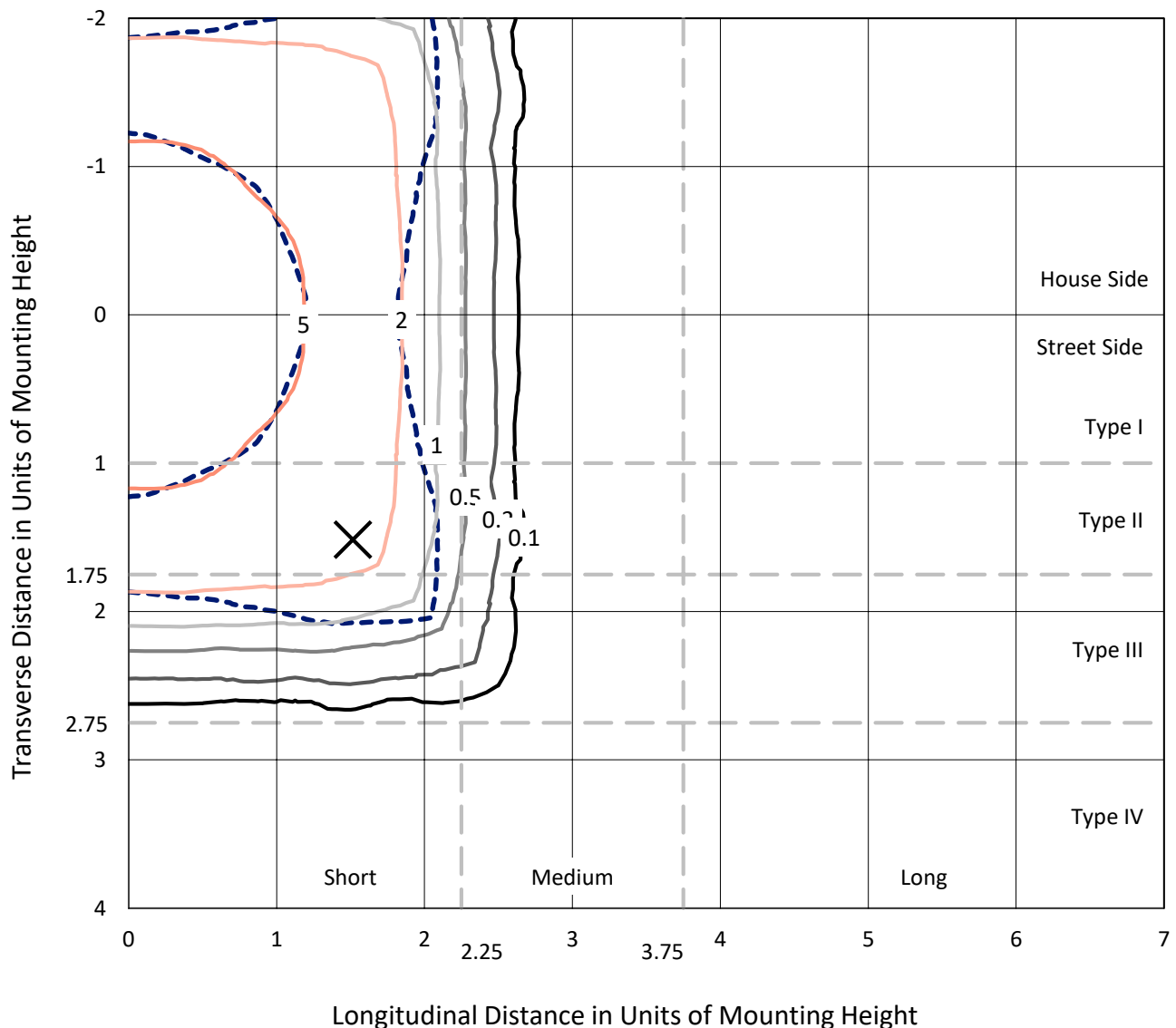
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316723
 CATALOG NUMBER: GAN-SA9B-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

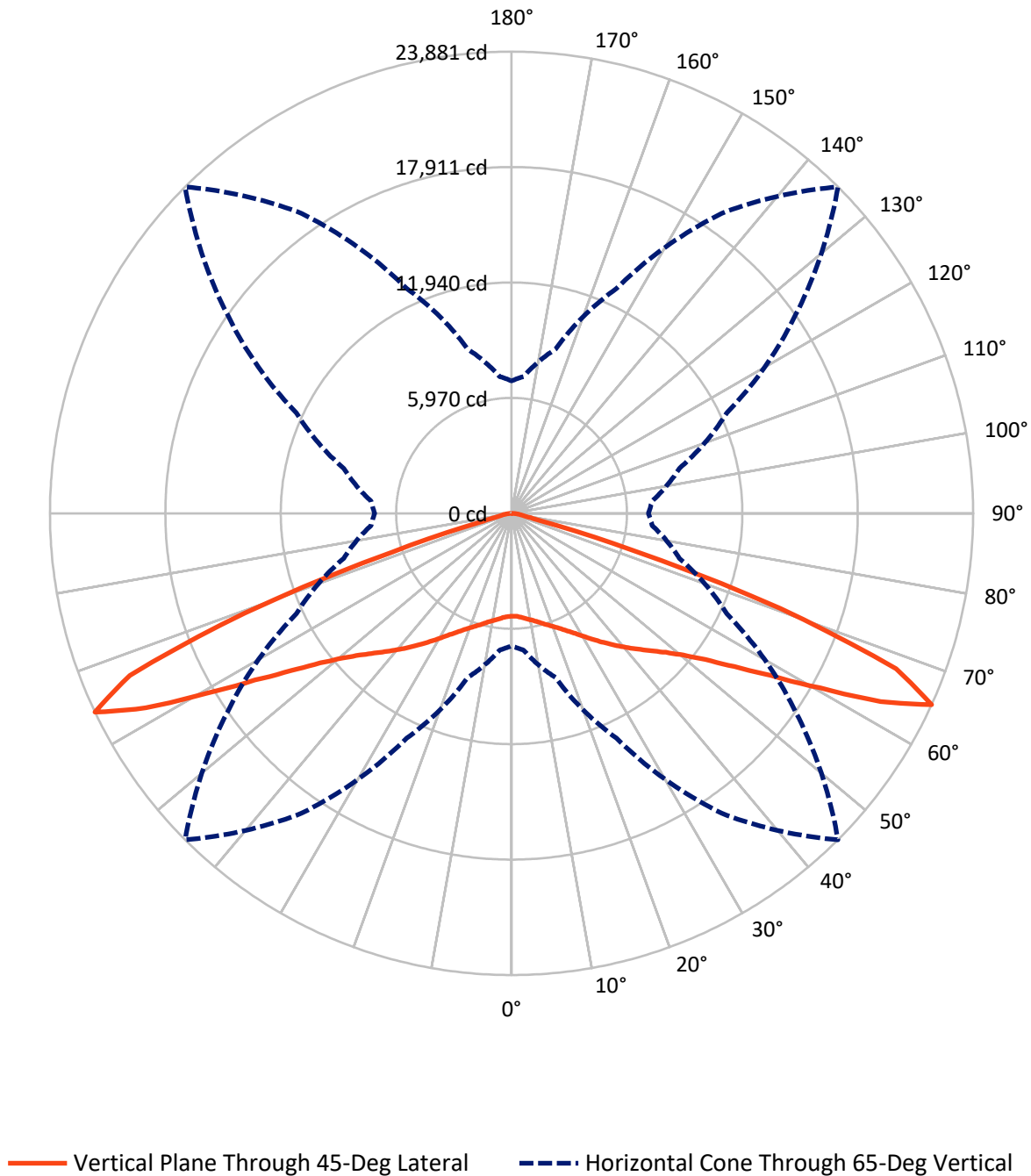
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316723
CATALOG NUMBER: GAN-SA9B-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316723

CATALOG NUMBER: GAN-SA9B-727-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22035.5	0.0	22035.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22035.5	0.0	22035.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44071.0	0.0	44071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.2	1.2
10°-20°	1678.4	3.8
20°-30°	3149.0	7.1
30°-40°	5207.8	11.8
40°-50°	8066.2	18.3
50°-60°	12371.3	28.1
60°-70°	11543.8	26.2
70°-80°	1343.5	3.0
80°-90°	188.8	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°	44071.0	100.0
0°-180°	44071.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316723

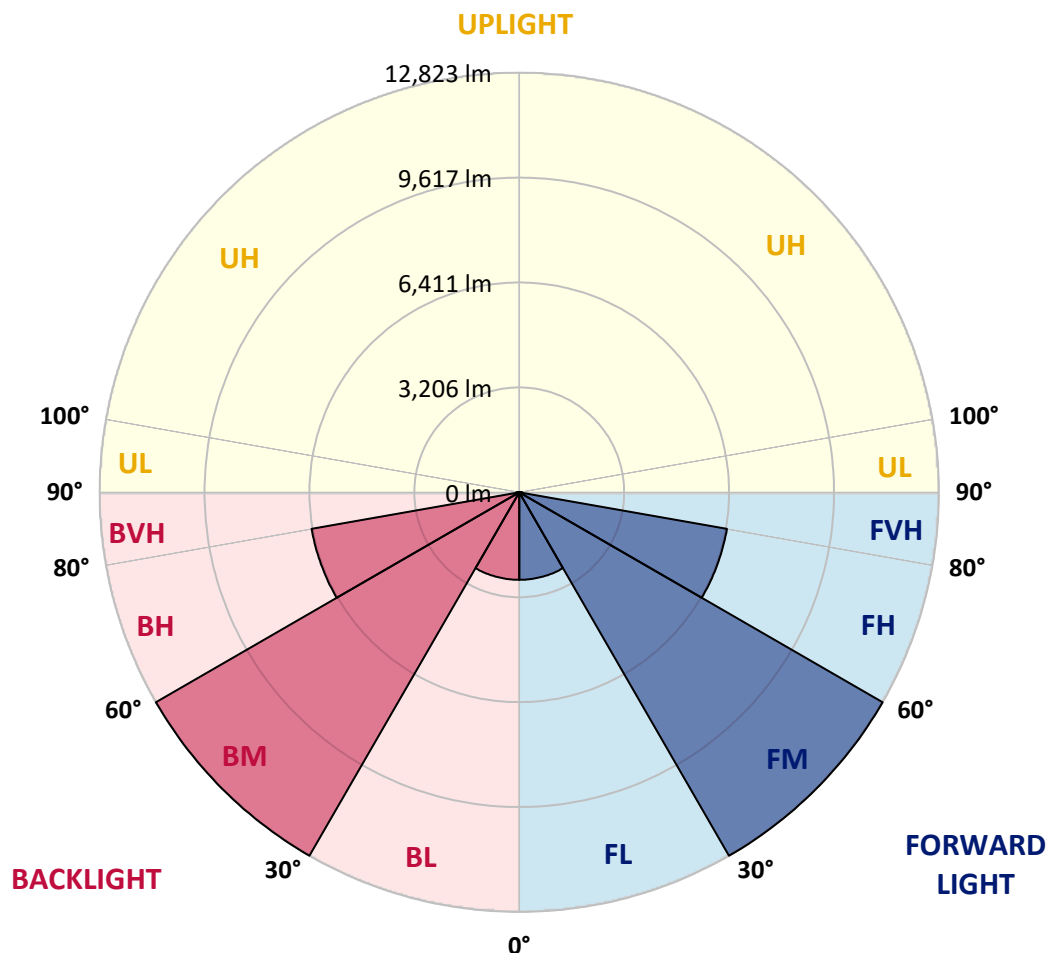
CATALOG NUMBER: GAN-SA9B-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2674.8	6.1			
FM	(30°-60°)	12822.7	29.1			
FH	(60°-80°)	6443.7	14.6			G3/7500
FVH	(80°-90°)	94.4	0.2			G1/100
BL	(0°-30°)	2674.8	6.1	B4/5000		
BM	(30°-60°)	12822.7	29.1	B5		
BH	(60°-80°)	6443.7	14.6	B5		G3/7500
BVH	(80°-90°)	94.4	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: P316723

CATALOG NUMBER: GAN-SA9B-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1	5322.1
2.5°	5339.7	5336.8	5339.7	5341.1	5332.4	5336.8	5335.3	5342.6	5345.5	5342.6	5342.6
5°	5401.1	5396.7	5402.6	5409.9	5398.2	5401.1	5396.7	5405.5	5408.4	5402.6	5407.0
7.5°	5486.0	5487.4	5493.3	5506.5	5499.1	5505.0	5496.2	5497.7	5496.2	5487.4	5488.9
10°	5578.1	5579.6	5589.8	5607.4	5610.3	5610.3	5604.5	5600.1	5594.2	5588.4	5589.8
12.5°	5689.3	5696.6	5704.0	5725.9	5725.9	5737.6	5734.7	5723.0	5712.7	5704.0	5704.0
15°	5840.0	5838.5	5847.3	5869.3	5879.5	5898.5	5898.5	5882.4	5869.3	5860.5	5857.6
17.5°	5998.0	6002.4	6008.2	6034.6	6050.7	6072.6	6075.5	6062.4	6053.6	6041.9	6034.6
20°	6182.3	6189.6	6213.1	6223.3	6237.9	6258.4	6265.7	6262.8	6254.0	6248.2	6249.6
22.5°	6397.4	6416.4	6431.0	6445.7	6463.2	6477.8	6485.2	6495.4	6486.6	6482.2	6479.3
25°	6657.8	6671.0	6700.2	6726.5	6738.2	6742.6	6751.4	6766.0	6764.6	6754.3	6754.3
27.5°	6953.3	6978.2	7014.7	7052.8	7052.8	7038.1	7067.4	7092.3	7083.5	7070.3	7052.8
30°	7311.7	7335.1	7377.5	7430.2	7403.9	7393.6	7433.1	7478.5	7465.3	7443.4	7440.5
32.5°	7697.9	7719.9	7775.5	7832.5	7798.9	7784.2	7826.7	7892.5	7869.1	7825.2	7798.9
35°	8116.3	8138.3	8217.3	8286.0	8229.0	8204.1	8239.2	8310.9	8269.9	8188.0	8167.5
37.5°	8571.3	8583.0	8685.4	8755.6	8716.1	8650.3	8694.2	8746.8	8711.7	8612.3	8572.8
40°	9043.8	9086.2	9204.7	9286.7	9217.9	9114.0	9187.2	9260.3	9207.7	9080.4	9013.1
42.5°	9595.3	9627.5	9785.5	9858.7	9747.5	9601.2	9700.7	9800.2	9747.5	9624.6	9566.1
45°	10168.8	10218.6	10407.3	10480.4	10319.5	10133.7	10255.1	10429.2	10424.8	10247.8	10186.4
47.5°	10793.5	10843.2	11068.5	11165.1	10991.0	10742.3	10913.4	11159.2	11141.7	10947.1	10897.3
50°	11514.7	11567.4	11848.3	11969.7	11807.3	11517.6	11775.1	11991.6	11959.4	11719.5	11723.9
52.5°	12420.3	12417.3	12767.0	12977.6	12810.9	12554.8	12791.8	13002.5	12869.4	12537.3	12527.1
55°	13213.2	13261.4	13694.5	14093.8	14083.6	13985.6	14080.7	14089.5	13709.1	13267.3	13213.2
57.5°	13734.0	13826.1	14436.2	15158.9	15700.1	15830.3	15646.0	15087.2	14196.3	13489.7	13403.3
60°	13413.6	13554.0	14512.2	15985.4	17580.0	18345.1	17305.0	15571.4	13817.4	12832.8	12715.8
62.5°	11251.4	11488.4	12891.3	15586.0	19198.0	21434.8	18507.5	14794.6	12310.5	10954.4	10754.0
65°	6852.4	7102.5	8793.7	12828.4	18936.1	23880.8	17958.9	12279.8	8985.3	7298.5	7082.0
67.5°	2283.6	2356.8	3353.0	7090.8	14882.4	21456.8	14907.2	7351.2	3910.4	2592.3	2516.2
70°	893.8	901.2	1063.5	2055.4	7027.9	14737.5	7755.0	2092.0	1111.8	879.2	898.2
72.5°	656.9	659.8	705.1	858.7	1831.6	6492.5	1897.4	863.1	686.1	615.9	615.9
75°	528.1	528.1	560.3	626.1	820.7	1489.3	832.4	618.8	536.9	491.5	485.7
77.5°	416.9	425.7	450.6	493.0	555.9	716.8	576.4	490.1	433.0	390.6	381.8
80°	310.1	318.9	359.9	380.4	399.4	497.4	425.7	383.3	342.3	292.6	283.8
82.5°	203.3	212.1	263.3	275.0	270.6	324.8	286.7	282.3	251.6	188.7	179.9
85°	133.1	136.1	175.6	182.9	168.2	147.8	182.9	193.1	175.6	122.9	118.5
87.5°	62.9	62.9	89.2	83.4	76.1	61.4	83.4	98.0	99.5	60.0	58.5
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)