

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: P316733

Luminaire Tested: **GAN-SA9C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316733
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-SA9C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54547 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 501
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

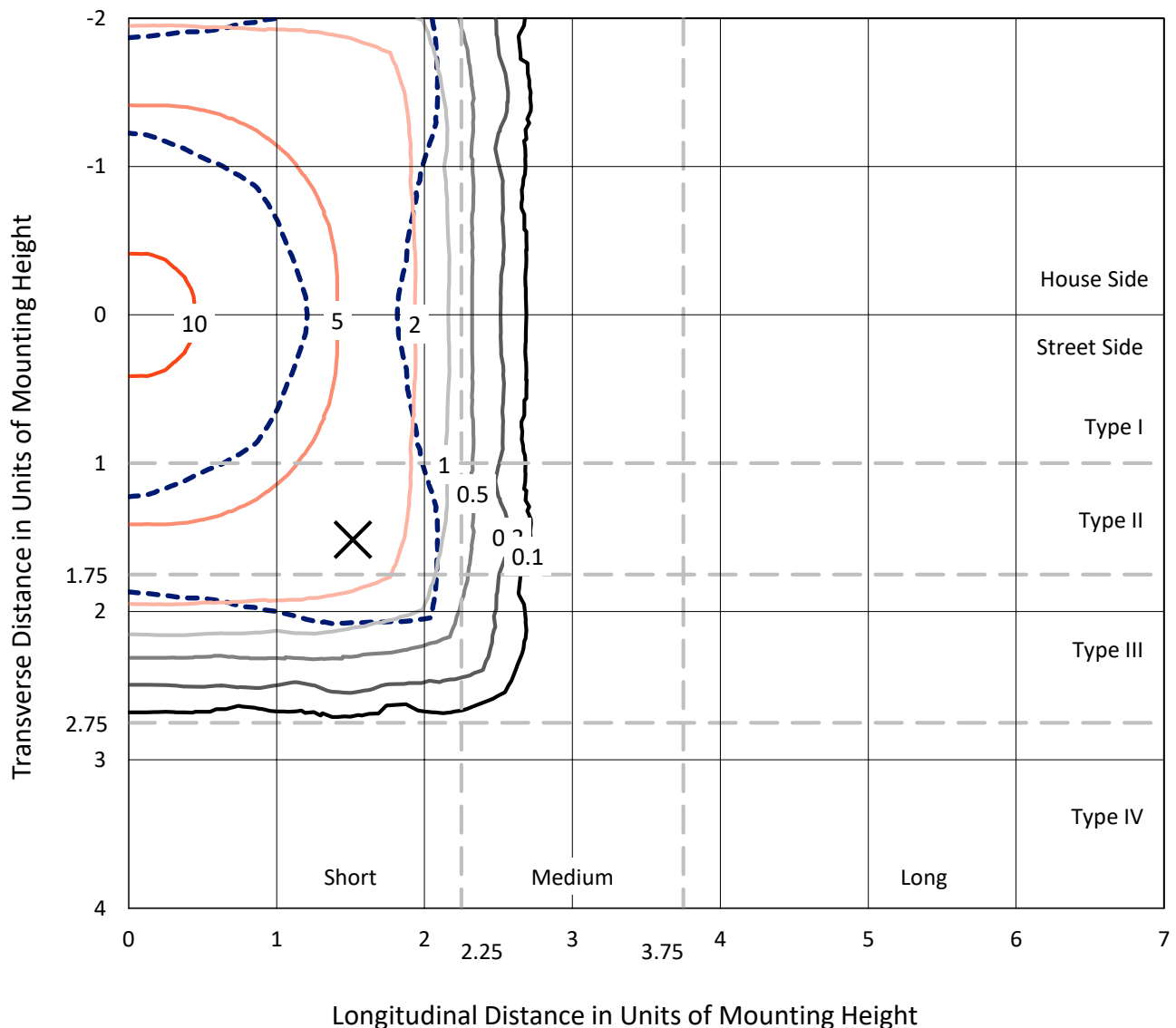


REPORT NUMBER: P316733

CATALOG NUMBER: GAN-SA9C-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

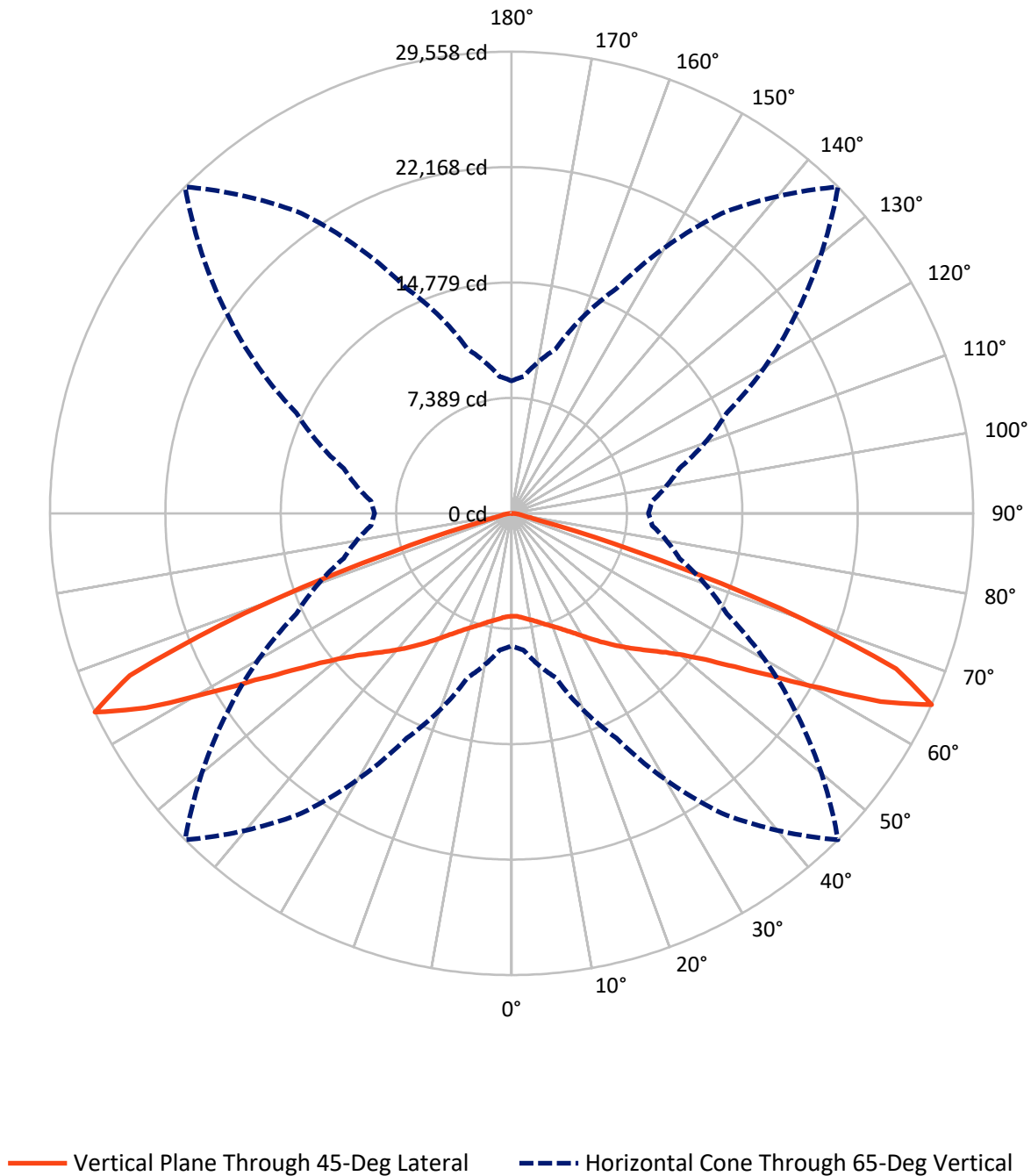
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316733
CATALOG NUMBER: GAN-SA9C-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316733

CATALOG NUMBER: GAN-SA9C-727-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27273.5	0.0	27273.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27273.5	0.0	27273.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54547.0	0.0	54547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.3	1.2
10°-20°	2077.4	3.8
20°-30°	3897.5	7.1
30°-40°	6445.7	11.8
40°-50°	9983.6	18.3
50°-60°	15312.0	28.1
60°-70°	14287.9	26.2
70°-80°	1662.9	3.0
80°-90°	233.7	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°	54547.0	100.0
0°-180°	54547.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316733

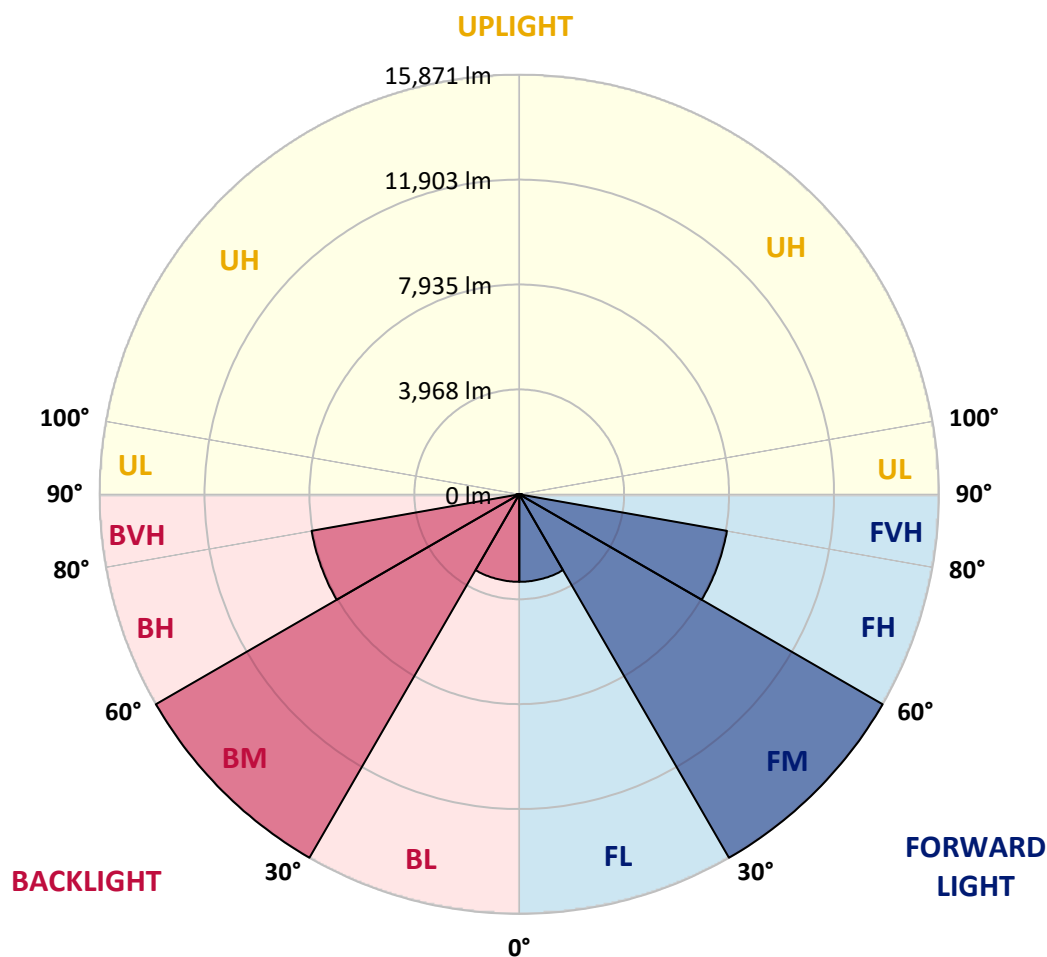
CATALOG NUMBER: GAN-SA9C-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3310.6	6.1			
FM	(30°-60°)	15870.7	29.1			
FH	(60°-80°)	7975.4	14.6			G4/12000
FVH	(80°-90°)	116.8	0.2			G2/225
BL	(0°-30°)	3310.6	6.1	B4/5000		
BM	(30°-60°)	15870.7	29.1	B5		
BH	(60°-80°)	7975.4	14.6	B5		G4/12000
BVH	(80°-90°)	116.8	0.2			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





REPORT NUMBER: P316733

CATALOG NUMBER: GAN-SA9C-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2	6587.2
2.5°	6609.0	6605.3	6609.0	6610.8	6599.9	6605.3	6603.5	6612.6	6616.2	6612.6	6612.6
5°	6685.0	6679.6	6686.8	6695.9	6681.4	6685.0	6679.6	6690.4	6694.1	6686.8	6692.3
7.5°	6790.0	6791.8	6799.1	6815.4	6806.3	6813.6	6802.7	6804.5	6802.7	6791.8	6793.7
10°	6904.1	6905.9	6918.6	6940.3	6943.9	6943.9	6936.7	6931.3	6924.0	6916.8	6918.6
12.5°	7041.7	7050.8	7059.8	7087.0	7087.0	7101.5	7097.9	7083.4	7070.7	7059.8	7059.8
15°	7228.2	7226.4	7237.3	7264.4	7277.1	7300.6	7300.6	7280.7	7264.4	7253.6	7249.9
17.5°	7423.8	7429.2	7436.4	7469.0	7489.0	7516.1	7519.7	7503.4	7492.6	7478.1	7469.0
20°	7651.9	7661.0	7689.9	7702.6	7720.7	7746.1	7755.1	7751.5	7740.6	7733.4	7735.2
22.5°	7918.1	7941.6	7959.7	7977.8	7999.6	8017.7	8026.7	8039.4	8028.5	8023.1	8019.5
25°	8240.4	8256.7	8292.9	8325.5	8340.0	8345.4	8356.3	8374.4	8372.6	8359.9	8359.9
27.5°	8606.1	8636.9	8682.2	8729.3	8729.3	8711.2	8747.4	8778.2	8767.3	8751.0	8729.3
30°	9049.8	9078.7	9131.2	9196.4	9163.8	9151.2	9200.0	9256.2	9239.9	9212.7	9209.1
32.5°	9527.8	9554.9	9623.7	9694.4	9652.7	9634.6	9687.1	9768.6	9739.6	9685.3	9652.7
35°	10045.6	10072.8	10170.6	10255.7	10185.1	10154.3	10197.7	10286.5	10235.8	10134.4	10109.0
37.5°	10608.8	10623.2	10750.0	10836.9	10788.0	10706.5	10760.9	10826.0	10782.6	10659.5	10610.6
40°	11193.6	11246.1	11392.8	11494.2	11409.1	11280.5	11371.0	11461.6	11396.4	11238.9	11155.6
42.5°	11876.2	11916.1	12111.6	12202.1	12064.5	11883.5	12006.6	12129.7	12064.5	11912.4	11840.0
45°	12586.0	12647.6	12881.2	12971.7	12772.5	12542.6	12692.8	12908.3	12902.9	12683.8	12607.7
47.5°	13359.2	13420.7	13699.6	13819.1	13603.6	13295.8	13507.6	13811.8	13790.1	13549.3	13487.7
50°	14251.8	14317.0	14664.7	14815.0	14614.0	14255.5	14574.1	14842.1	14802.3	14505.3	14510.8
52.5°	15372.6	15369.0	15801.8	16062.5	15856.1	15539.2	15832.6	16093.3	15928.5	15517.5	15504.8
55°	16354.0	16413.8	16949.7	17444.1	17431.4	17310.1	17427.8	17438.6	16967.8	16421.0	16354.0
57.5°	16998.6	17112.7	17867.8	18762.2	19432.2	19593.3	19365.2	18673.5	17570.8	16696.2	16589.4
60°	16602.1	16775.9	17961.9	19785.3	21758.9	22705.9	21418.5	19272.8	17101.8	15883.3	15738.4
62.5°	13925.9	14219.2	15955.7	19290.9	23761.5	26530.0	22906.9	18311.4	15236.8	13558.3	13310.3
65°	8481.2	8790.8	10884.0	15877.8	23437.4	29557.5	22227.9	15198.8	11121.2	9033.5	8765.5
67.5°	2826.5	2917.0	4150.1	8776.3	18420.0	26557.2	18450.8	9098.6	4839.9	3208.5	3114.4
70°	1106.3	1115.4	1316.4	2544.0	8698.5	18240.8	9598.4	2589.3	1376.1	1088.2	1111.8
72.5°	813.0	816.6	872.7	1062.9	2267.0	8035.8	2348.4	1068.3	849.2	762.3	762.3
75°	653.7	653.7	693.5	775.0	1015.8	1843.3	1030.3	765.9	664.5	608.4	601.1
77.5°	516.0	526.9	557.7	610.2	688.1	887.2	713.4	606.6	536.0	483.5	472.6
80°	383.9	394.7	445.4	470.8	494.3	615.6	526.9	474.4	423.7	362.1	351.3
82.5°	251.7	262.5	325.9	340.4	335.0	402.0	354.9	349.5	311.4	233.6	222.7
85°	164.8	168.4	217.3	226.3	208.2	182.9	226.3	239.0	217.3	152.1	146.7
87.5°	77.9	77.9	110.5	103.2	94.2	76.0	103.2	121.3	123.1	74.2	72.4
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)