

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: P316083

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45002 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

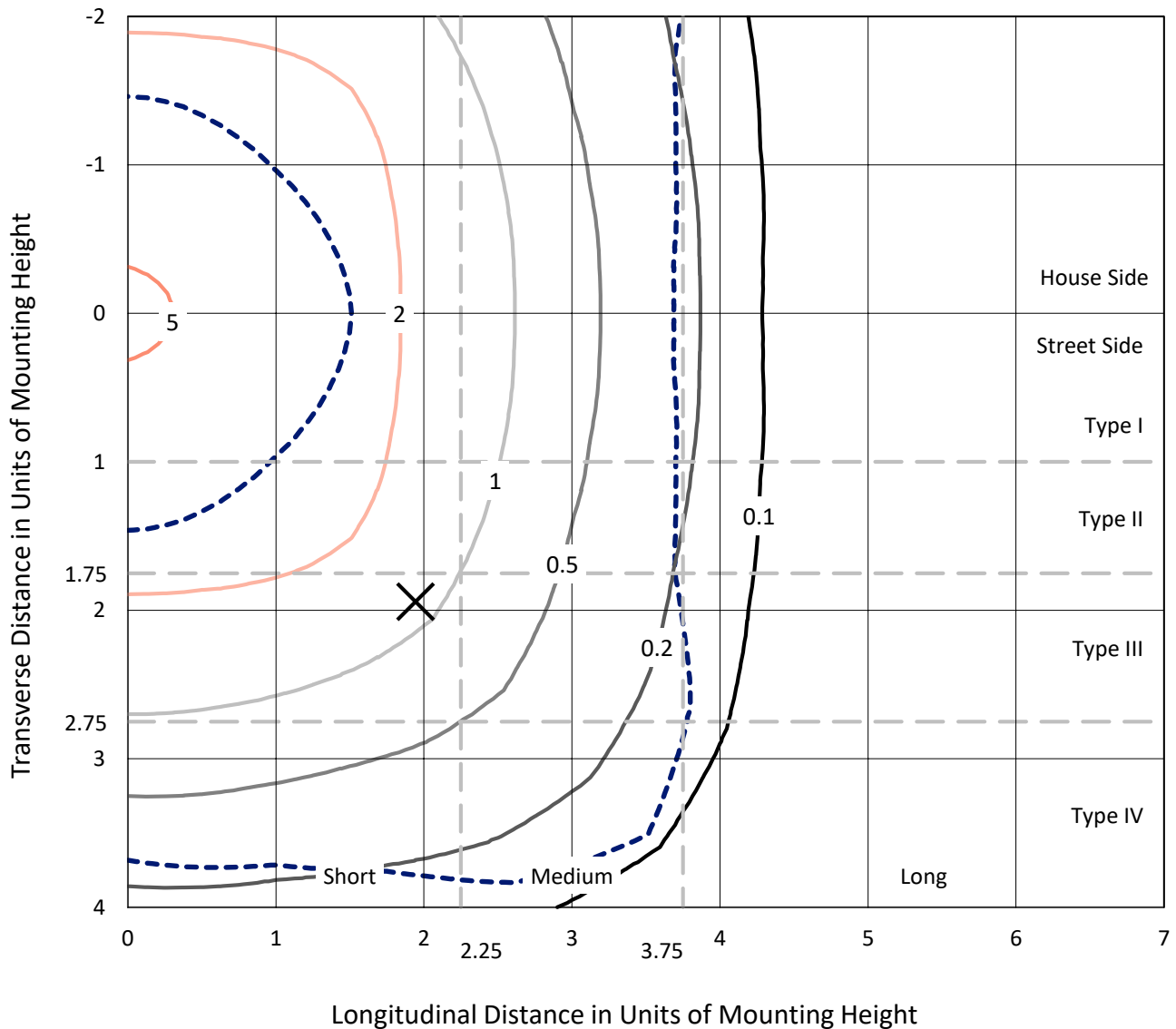
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316083
 CATALOG NUMBER: GAN-SA9B-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

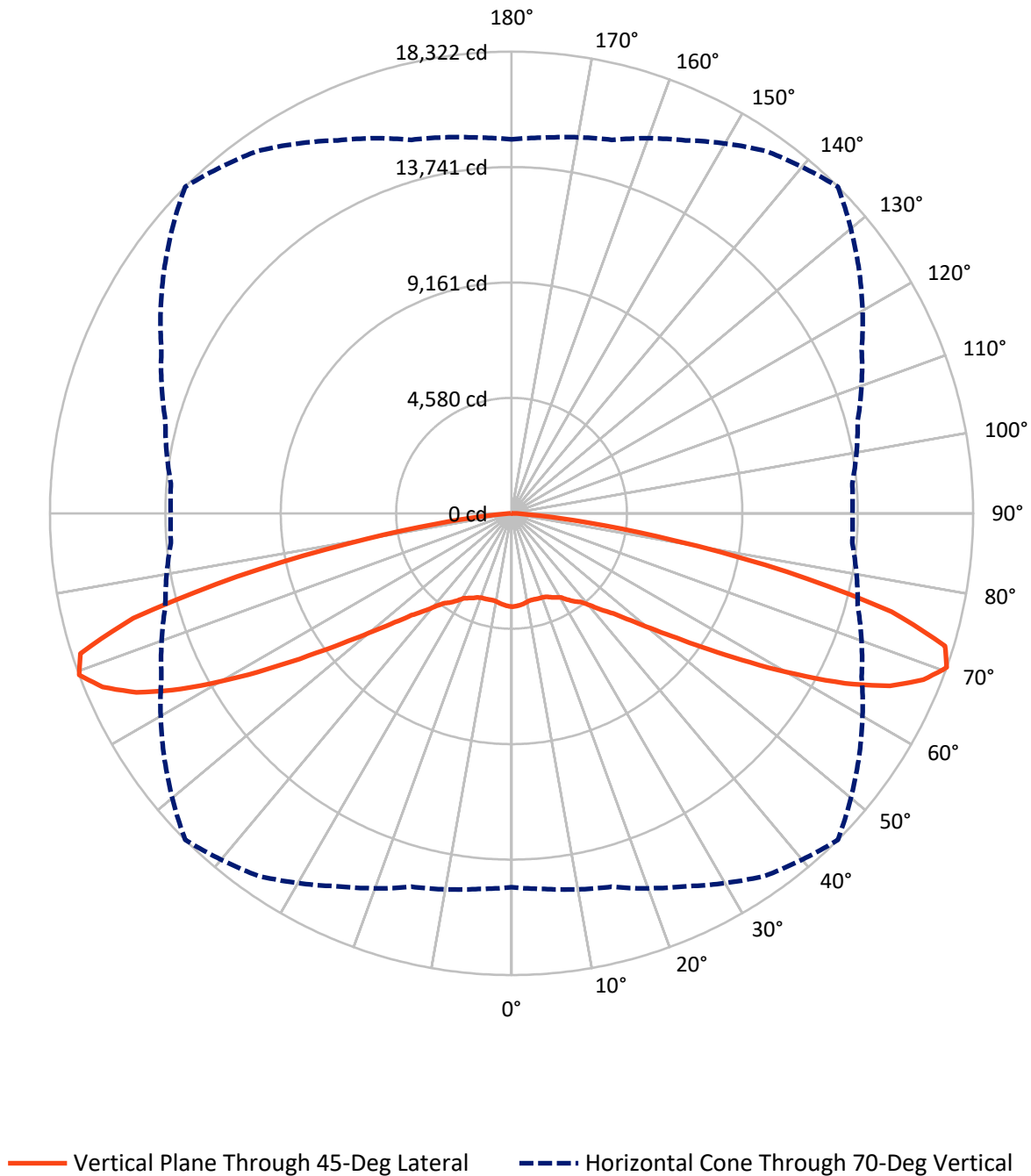
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

REPORT NUMBER: P316083
CATALOG NUMBER: GAN-SA9B-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316083

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22501.0	0.0	22501.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22501.0	0.0	22501.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45002.0	0.0	45002.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.7	0.8
10°-20°	1009.7	2.2
20°-30°	1721.6	3.8
30°-40°	2690.0	6.0
40°-50°	4558.9	10.1
50°-60°	8313.5	18.5
60°-70°	14312.3	31.8
70°-80°	11218.5	24.9
80°-90°	831.8	1.8
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°	45002.0	100.0
0°-180°	45002.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316083

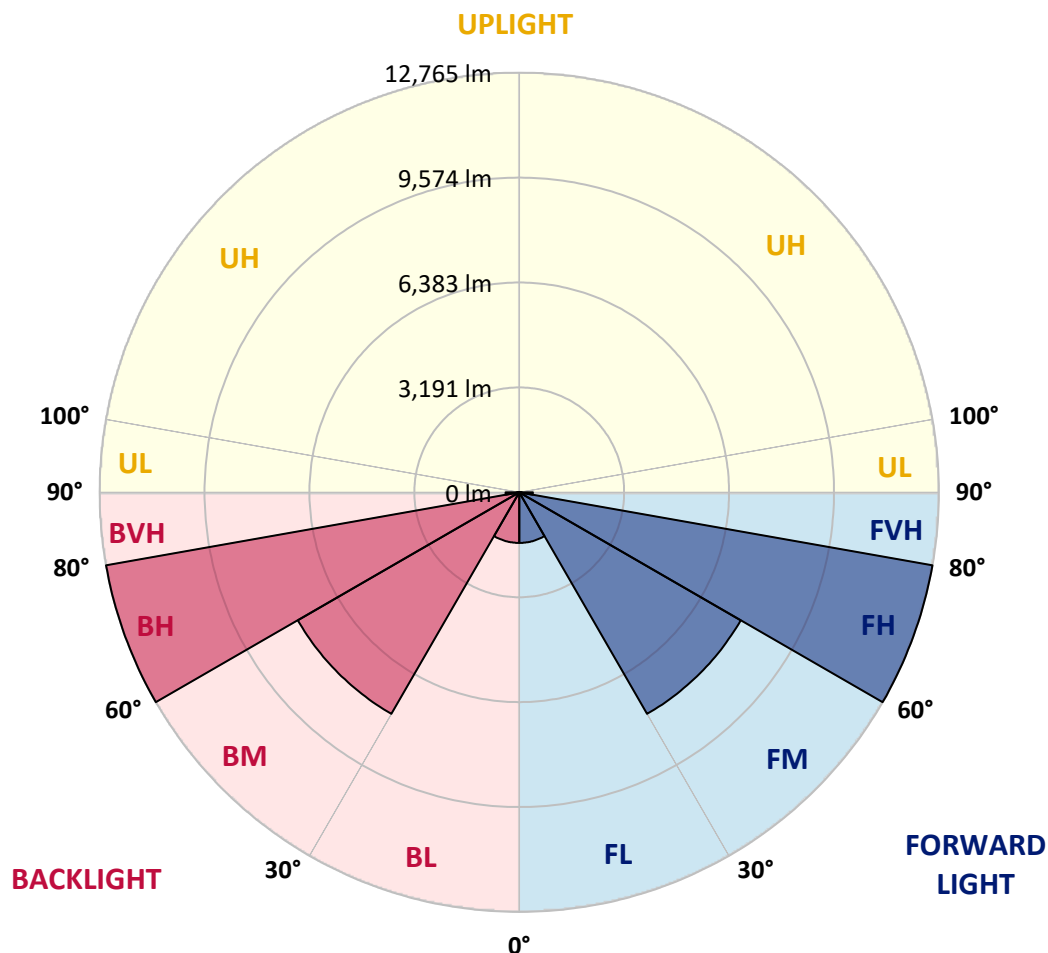
CATALOG NUMBER: GAN-SA9B-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1538.5	3.4			
FM	(30°-60°)	7781.2	17.3			
FH	(60°-80°)	12765.4	28.4			G5
FVH	(80°-90°)	415.9	0.9			G3/500
BL	(0°-30°)	1538.5	3.4	B3/2500		
BM	(30°-60°)	7781.2	17.3	B4/8500		
BH	(60°-80°)	12765.4	28.4	B5		G5
BVH	(80°-90°)	415.9	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





REPORT NUMBER: P316083

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7	3703.7
2.5°	3687.3	3691.8	3687.3	3690.3	3682.8	3685.8	3685.8	3685.8	3684.3	3685.8	3682.8
5°	3654.5	3657.5	3651.6	3654.5	3650.1	3654.5	3656.0	3654.5	3651.6	3653.1	3647.1
7.5°	3605.4	3608.4	3603.9	3608.4	3602.4	3609.9	3608.4	3603.9	3599.5	3599.5	3593.5
10°	3578.6	3580.1	3568.2	3563.7	3550.3	3553.3	3557.8	3562.3	3566.7	3575.7	3574.2
12.5°	3580.1	3580.1	3562.3	3542.9	3523.5	3528.0	3535.5	3551.8	3569.7	3586.1	3587.6
15°	3595.0	3593.5	3566.7	3535.5	3522.1	3535.5	3539.9	3550.3	3578.6	3606.9	3608.4
17.5°	3605.4	3605.4	3563.7	3528.0	3526.5	3547.4	3545.9	3550.3	3581.6	3623.3	3624.8
20°	3624.8	3624.8	3571.2	3532.5	3532.5	3554.8	3556.3	3563.7	3595.0	3641.1	3648.6
22.5°	3667.9	3669.4	3612.9	3581.6	3584.6	3598.0	3602.4	3614.4	3642.6	3693.3	3702.2
25°	3729.0	3732.0	3673.9	3656.0	3666.5	3691.8	3688.8	3697.7	3729.0	3778.1	3787.0
27.5°	3813.8	3806.4	3752.8	3745.4	3755.8	3773.6	3772.1	3773.6	3798.9	3843.6	3854.0
30°	3924.0	3921.0	3882.3	3886.8	3882.3	3876.3	3877.8	3889.7	3903.1	3938.9	3949.3
32.5°	4031.2	4034.1	4010.3	4032.7	4065.4	4087.7	4053.5	4020.7	4005.9	4025.2	4034.1
35°	4224.7	4232.1	4194.9	4180.0	4224.7	4290.2	4193.4	4139.8	4169.6	4194.9	4202.4
37.5°	4553.7	4558.1	4495.6	4436.1	4403.3	4465.8	4369.1	4373.5	4477.7	4525.4	4523.9
40°	4928.8	4930.3	4888.6	4836.5	4779.9	4794.8	4756.1	4768.0	4836.5	4879.7	4891.6
42.5°	5375.4	5370.9	5305.4	5231.0	5214.6	5229.5	5164.0	5155.1	5234.0	5311.4	5312.9
45°	5954.5	5944.0	5859.2	5777.3	5698.4	5665.7	5649.3	5692.5	5801.1	5872.6	5874.1
47.5°	6578.2	6549.9	6505.2	6439.7	6371.3	6338.5	6311.7	6332.6	6411.5	6439.7	6442.7
50°	7219.8	7225.7	7234.7	7209.4	7184.0	7173.6	7103.7	7063.5	7087.3	7035.2	7027.7
52.5°	7980.5	7992.4	8078.7	8151.6	8194.8	8217.1	8084.7	7946.2	7868.8	7767.6	7737.8
55°	8878.1	8897.4	9024.0	9226.4	9434.8	9545.0	9305.3	9046.3	8806.6	8617.6	8556.6
57.5°	9878.4	9912.7	10086.8	10475.4	10902.6	11163.1	10758.2	10287.8	9824.9	9552.4	9504.8
60°	11051.5	11084.2	11325.4	11882.1	12574.3	12965.8	12352.5	11582.9	11006.8	10746.3	10658.5
62.5°	12447.8	12450.8	12747.0	13397.5	14311.5	14856.4	14025.7	12997.1	12403.1	12089.0	12004.2
65°	13949.8	13957.2	14263.9	14966.5	15911.8	16504.3	15566.4	14494.6	13768.2	13305.2	13239.7
67.5°	15011.2	15042.4	15365.5	16211.0	17095.2	17629.7	16659.1	15447.3	14607.8	14055.5	14000.4
70°	14841.5	14963.5	15343.1	16330.1	17559.7	18321.9	16836.2	15334.2	14226.7	13574.7	13528.5
72.5°	12943.5	13177.2	13683.3	14978.4	16944.9	17994.4	15870.1	13733.9	12480.5	11925.3	11841.9
75°	8814.1	9193.7	9957.3	11825.5	14476.8	15579.8	13360.3	10950.2	9771.3	9003.1	8946.6
77.5°	3929.9	4016.3	4983.9	7134.9	9990.1	11188.4	9707.2	7163.2	5376.9	4288.7	4059.4
80°	1095.6	1109.0	1479.7	2657.2	5000.3	6573.7	5367.9	2791.2	1569.0	1106.0	1042.0
82.5°	348.3	378.1	461.5	689.2	1680.6	2999.6	1725.3	744.3	529.9	422.8	381.1
85°	169.7	168.2	233.7	279.9	428.7	663.9	457.0	345.4	302.2	201.0	181.6
87.5°	71.5	72.9	108.7	98.2	125.0	107.2	147.4	154.8	162.3	89.3	77.4
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)