

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: P316074

Luminaire Tested: **GAN-SA0A-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316074
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-SA0A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40631 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

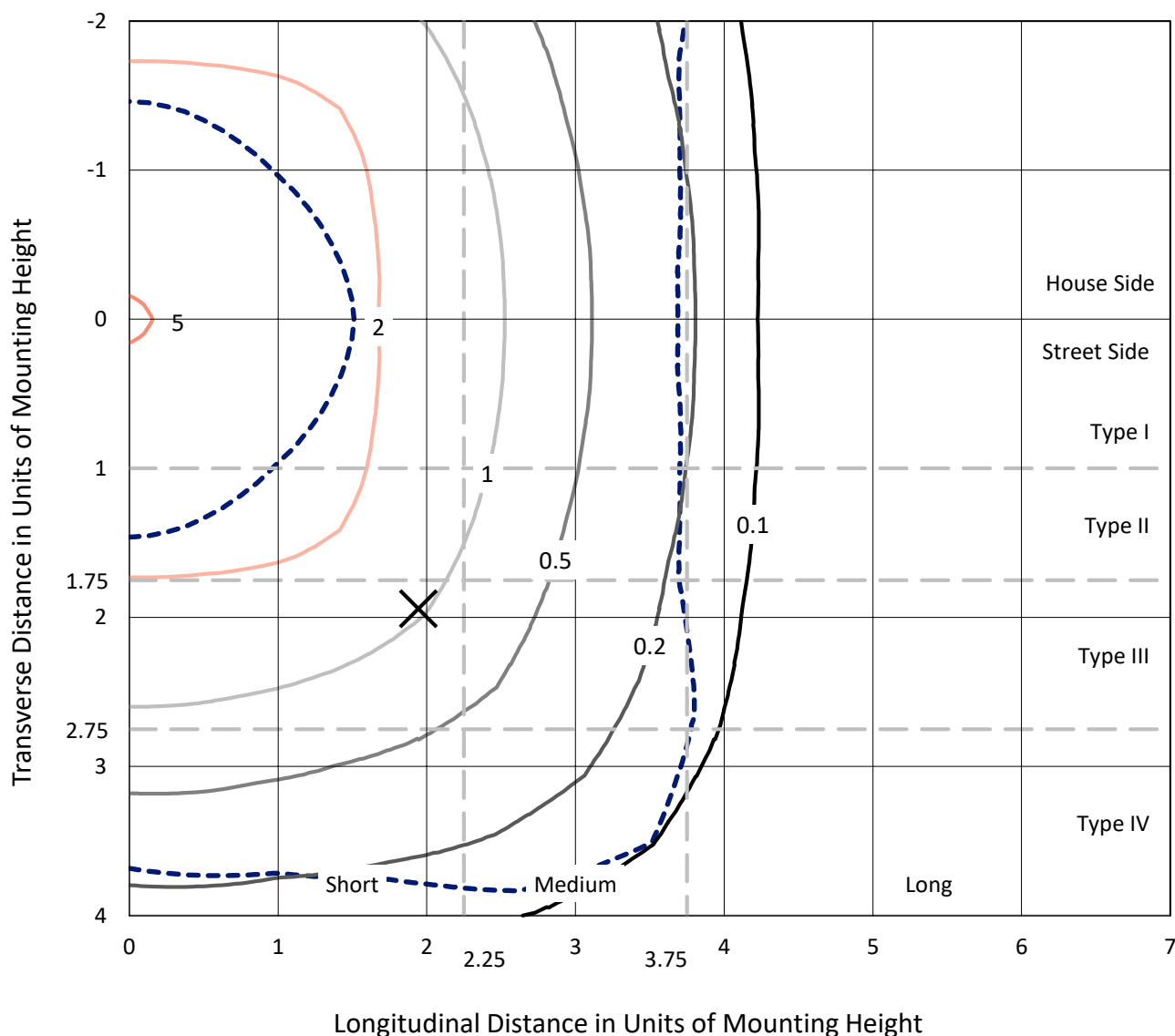
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316074
 CATALOG NUMBER: GAN-SA0A-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

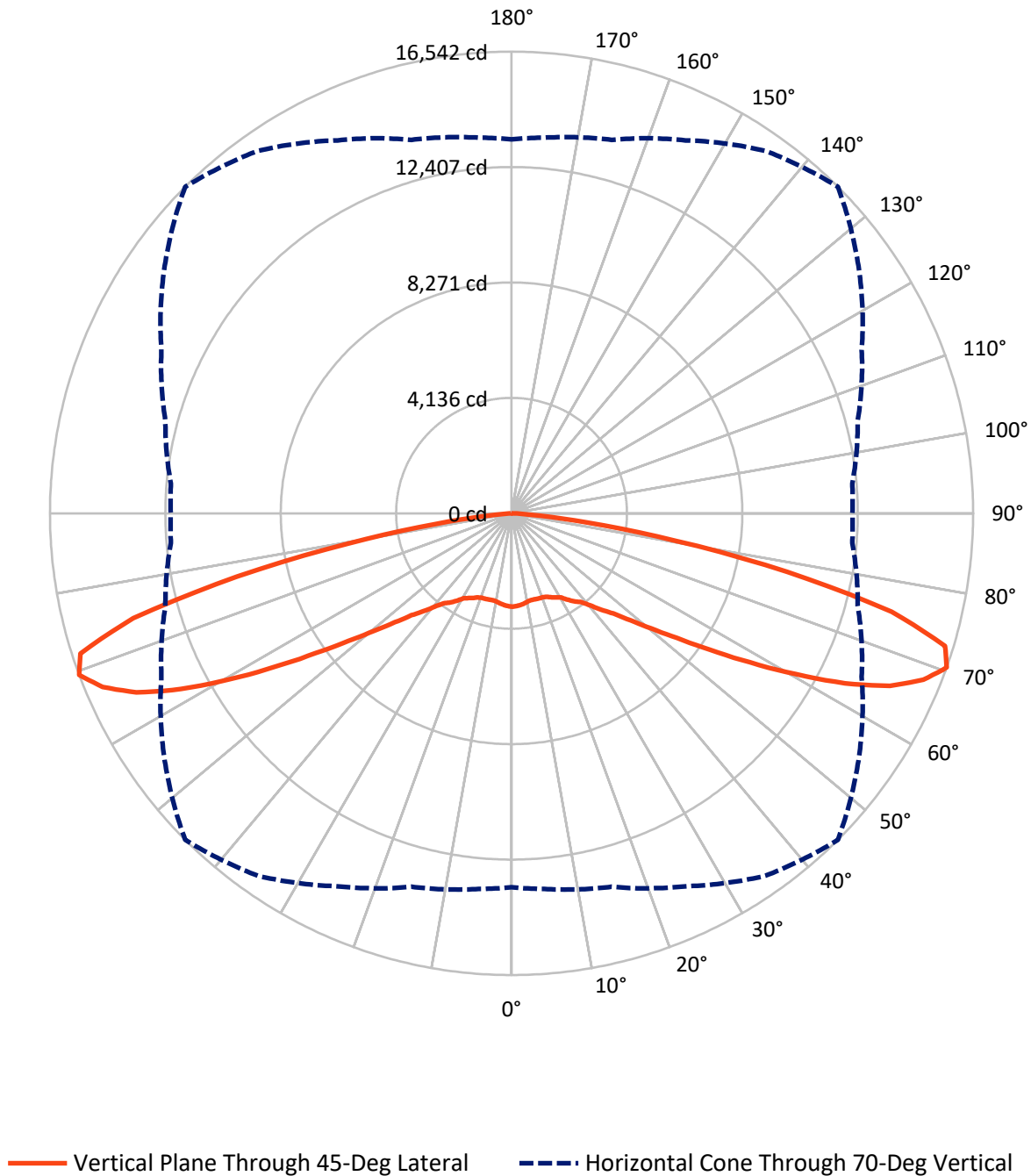
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P316074
CATALOG NUMBER: GAN-SA0A-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316074

CATALOG NUMBER: GAN-SA0A-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20315.5	0.0	20315.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20315.5	0.0	20315.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40631.0	0.0	40631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.1	0.8
10°-20°	911.7	2.2
20°-30°	1554.3	3.8
30°-40°	2428.7	6.0
40°-50°	4116.1	10.1
50°-60°	7506.0	18.5
60°-70°	12922.1	31.8
70°-80°	10128.9	24.9
80°-90°	751.0	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°	40631.0	100.0
0°-180°	40631.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316074

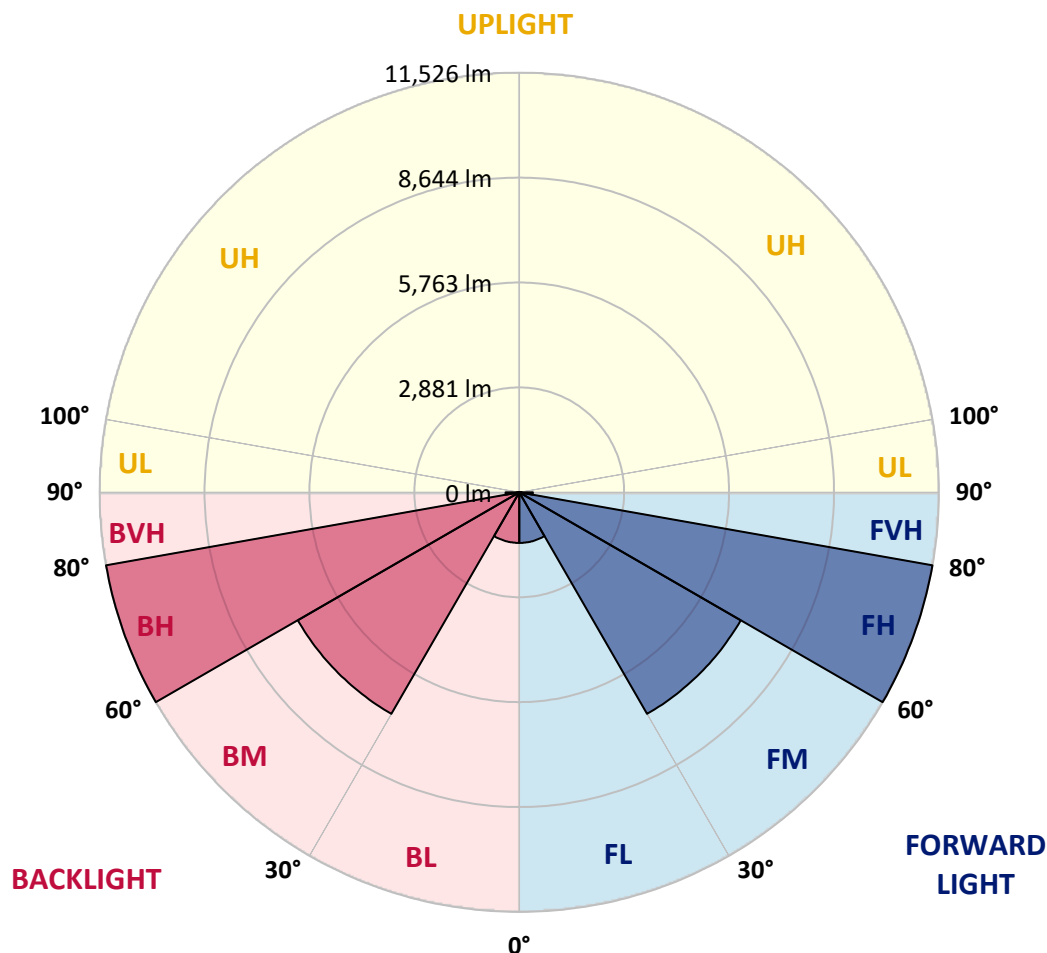
CATALOG NUMBER: GAN-SA0A-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1389.1	3.4			
FM	(30°-60°)	7025.4	17.3			
FH	(60°-80°)	11525.5	28.4			G4/12000
FVH	(80°-90°)	375.5	0.9			G3/500
BL	(0°-30°)	1389.1	3.4	B3/2500		
BM	(30°-60°)	7025.4	17.3	B4/8500		
BH	(60°-80°)	11525.5	28.4	B5		G4/12000
BVH	(80°-90°)	375.5	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-G4

Type V Short





REPORT NUMBER: P316074

CATALOG NUMBER: GAN-SA0A-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9
2.5°	3329.2	3333.2	3329.2	3331.8	3325.1	3327.8	3327.8	3327.8	3326.5	3327.8	3325.1
5°	3299.6	3302.3	3296.9	3299.6	3295.6	3299.6	3300.9	3299.6	3296.9	3298.2	3292.9
7.5°	3255.2	3257.9	3253.9	3257.9	3252.5	3259.3	3257.9	3253.9	3249.9	3249.9	3244.5
10°	3231.0	3232.4	3221.6	3217.6	3205.5	3208.2	3212.2	3216.3	3220.3	3228.4	3227.0
12.5°	3232.4	3232.4	3216.3	3198.8	3181.3	3185.3	3192.1	3206.8	3223.0	3237.8	3239.1
15°	3245.8	3244.5	3220.3	3192.1	3180.0	3192.1	3196.1	3205.5	3231.0	3256.6	3257.9
17.5°	3255.2	3255.2	3217.6	3185.3	3184.0	3202.8	3201.5	3205.5	3233.7	3271.4	3272.7
20°	3272.7	3272.7	3224.3	3189.4	3189.4	3209.5	3210.9	3217.6	3245.8	3287.5	3294.2
22.5°	3311.7	3313.0	3262.0	3233.7	3236.4	3248.5	3252.5	3263.3	3288.8	3334.5	3342.6
25°	3366.8	3369.5	3317.1	3300.9	3310.3	3333.2	3330.5	3338.6	3366.8	3411.1	3419.2
27.5°	3443.4	3436.7	3388.3	3381.6	3391.0	3407.1	3405.8	3407.1	3430.0	3470.3	3479.7
30°	3542.9	3540.2	3505.2	3509.3	3505.2	3499.8	3501.2	3511.9	3524.0	3556.3	3565.7
32.5°	3639.6	3642.3	3620.8	3641.0	3670.5	3690.7	3659.8	3630.2	3616.8	3634.2	3642.3
35°	3814.3	3821.1	3787.5	3774.0	3814.3	3873.5	3786.1	3737.7	3764.6	3787.5	3794.2
37.5°	4111.4	4115.4	4059.0	4005.2	3975.6	4032.1	3944.7	3948.7	4042.8	4085.8	4084.5
40°	4450.1	4451.4	4413.8	4366.7	4315.7	4329.1	4294.2	4304.9	4366.7	4405.7	4416.5
42.5°	4853.3	4849.2	4790.1	4722.9	4708.1	4721.6	4662.4	4654.4	4725.6	4795.5	4796.8
45°	5376.1	5366.7	5290.1	5216.2	5144.9	5115.4	5100.6	5139.6	5237.7	5302.2	5303.5
47.5°	5939.3	5913.7	5873.4	5814.3	5752.4	5722.9	5698.7	5717.5	5788.7	5814.3	5816.9
50°	6518.5	6523.9	6532.0	6509.1	6486.3	6476.9	6413.7	6377.4	6398.9	6351.9	6345.1
52.5°	7205.3	7216.1	7294.0	7359.9	7398.9	7419.0	7299.4	7174.4	7104.5	7013.1	6986.2
55°	8015.8	8033.2	8147.5	8330.3	8518.4	8617.9	8401.5	8167.6	7951.3	7780.6	7725.5
57.5°	8919.0	8949.9	9107.1	9457.9	9843.6	10078.9	9713.3	9288.6	8870.6	8624.6	8581.6
60°	9978.0	10007.6	10225.4	10728.0	11353.0	11706.5	11152.7	10457.9	9937.7	9702.5	9623.2
62.5°	11238.7	11241.4	11508.9	12096.2	12921.5	13413.4	12663.4	11734.7	11198.4	10914.8	10838.2
65°	12594.9	12601.6	12878.5	13512.8	14366.3	14901.2	14054.5	13086.8	12430.9	12012.9	11953.8
67.5°	13553.2	13581.4	13873.0	14636.4	15434.8	15917.3	15041.0	13947.0	13188.9	12690.3	12640.6
70°	13399.9	13510.2	13852.9	14744.0	15854.1	16542.3	15200.9	13844.8	12844.9	12256.2	12214.5
72.5°	11686.3	11897.3	12354.3	13523.6	15299.0	16246.6	14328.7	12400.0	11268.3	10767.0	10691.7
75°	7958.0	8300.7	8990.2	10676.9	13070.7	14066.6	12062.6	9886.7	8822.2	8128.7	8077.6
77.5°	3548.2	3626.2	4499.8	6441.9	9019.8	10101.7	8764.4	6467.5	4854.6	3872.1	3665.2
80°	989.2	1001.3	1336.0	2399.1	4514.6	5935.2	4846.6	2520.0	1416.6	998.6	940.8
82.5°	314.5	341.4	416.6	622.3	1517.4	2708.2	1557.7	672.0	478.5	381.7	344.1
85°	153.2	151.9	211.0	252.7	387.1	599.4	412.6	311.8	272.8	181.4	164.0
87.5°	64.5	65.9	98.1	88.7	112.9	96.8	133.1	139.8	146.5	80.6	69.9
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)