

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: P316392

Luminaire Tested: **GAN-SA8A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32811 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

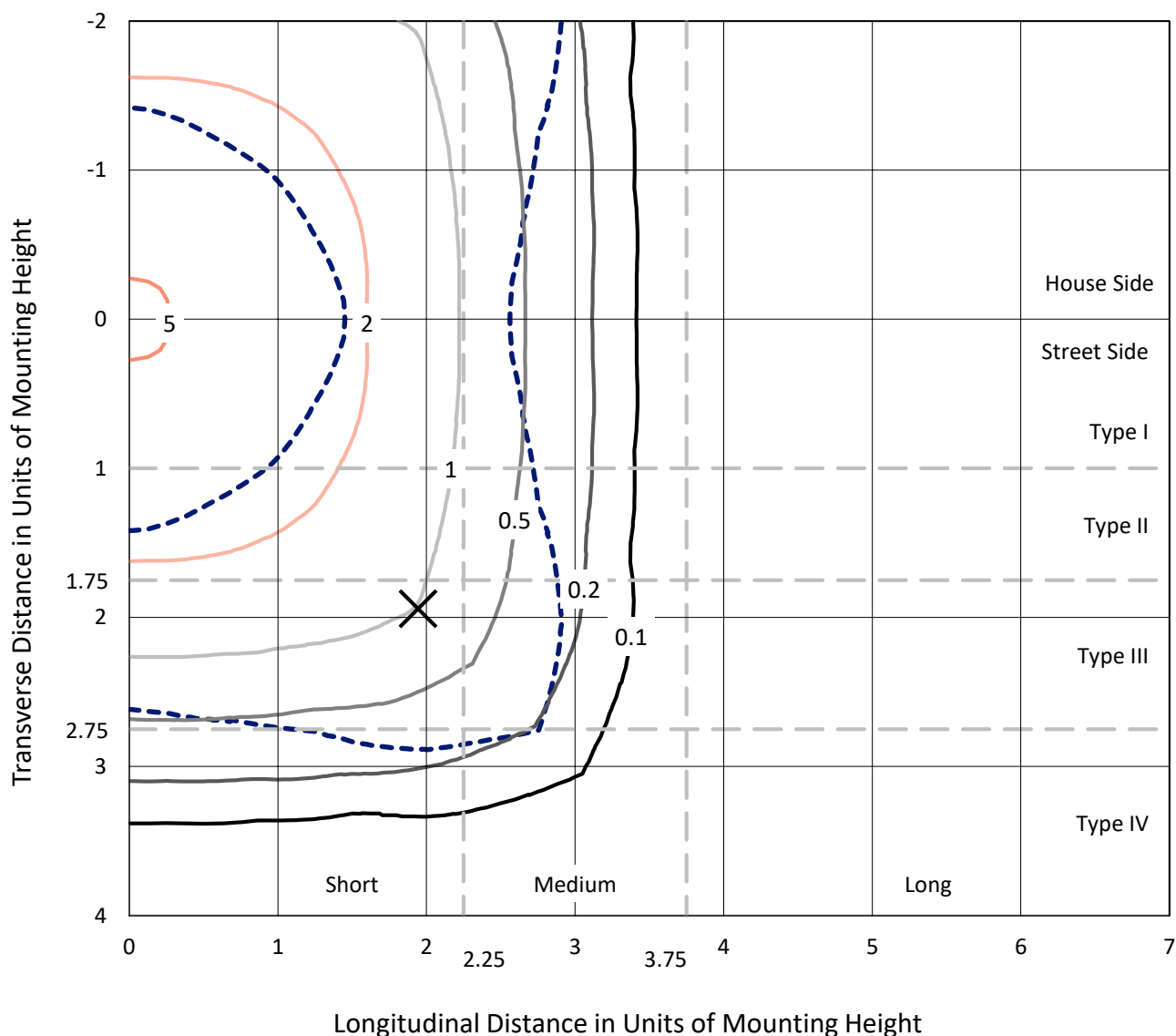
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316392
 CATALOG NUMBER: GAN-SA8A-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

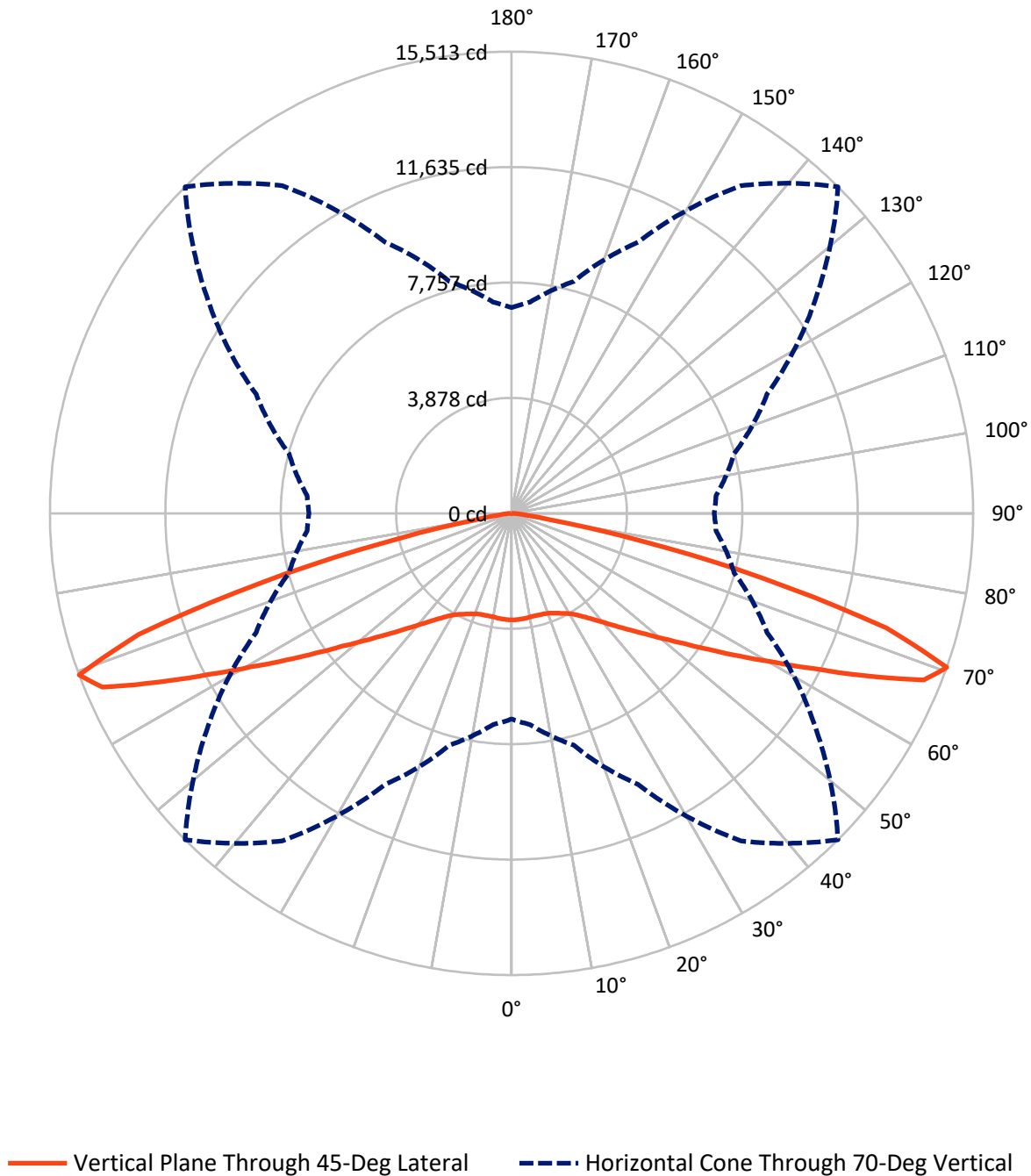
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

REPORT NUMBER: P316392
CATALOG NUMBER: GAN-SA8A-727-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316392

CATALOG NUMBER: GAN-SA8A-727-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16405.5	0.0	16405.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16405.5	0.0	16405.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32811.0	0.0	32811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	1.0
10°-20°	996.4	3.0
20°-30°	1696.1	5.2
30°-40°	2690.1	8.2
40°-50°	4377.6	13.3
50°-60°	7217.8	22.0
60°-70°	10596.0	32.3
70°-80°	4685.5	14.3
80°-90°	212.2	0.6
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°	32811.0	100.0
0°-180°	32811.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316392

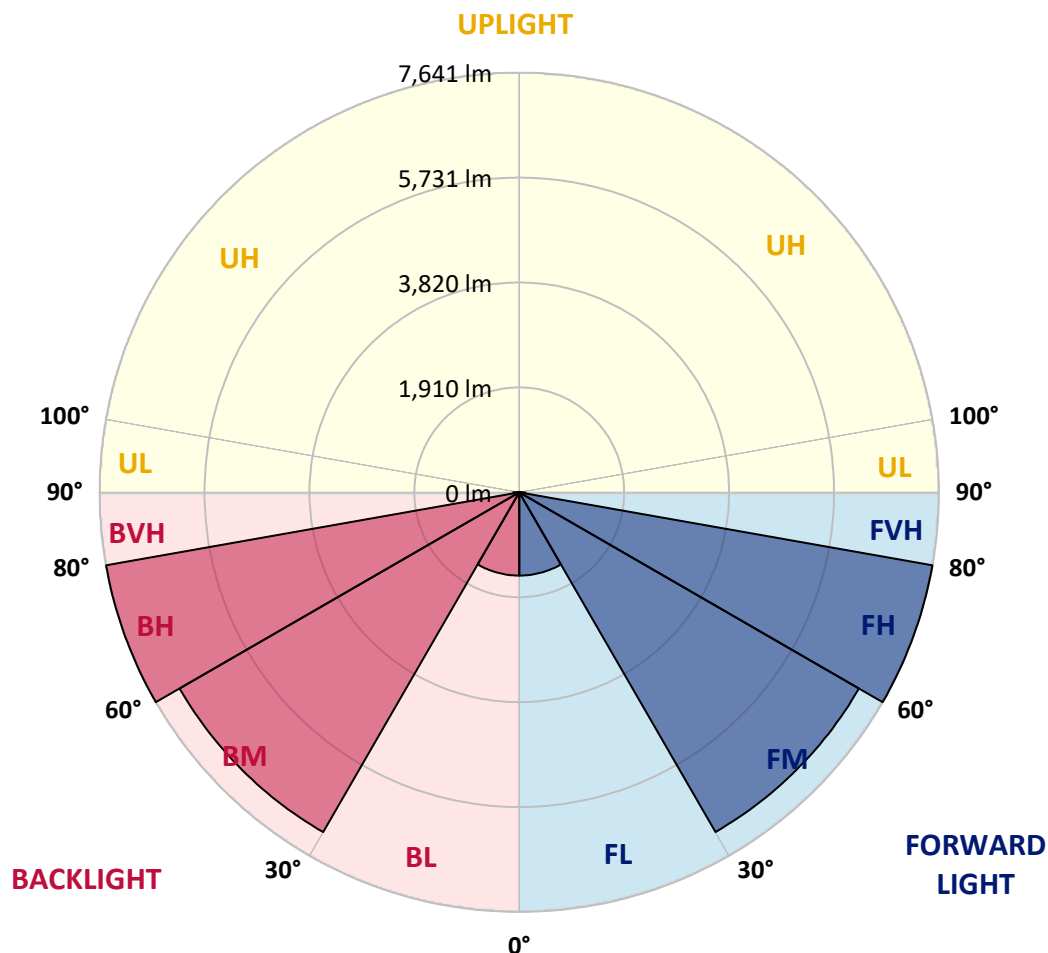
CATALOG NUMBER: GAN-SA8A-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1516.0	4.6			
FM	(30°-60°)	7142.7	21.8			
FH	(60°-80°)	7640.7	23.3			G4/12000
FVH	(80°-90°)	106.1	0.3			G2/225
BL	(0°-30°)	1516.0	4.6	B3/2500		
BM	(30°-60°)	7142.7	21.8	B4/8500		
BH	(60°-80°)	7640.7	23.3	B5		G4/12000
BVH	(80°-90°)	106.1	0.3			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: P316392

CATALOG NUMBER: GAN-SA8A-727-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5	3583.5
2.5°	3578.0	3574.8	3582.4	3581.3	3574.8	3575.9	3575.9	3579.1	3579.1	3577.0	3577.0
5°	3565.0	3562.8	3571.5	3571.5	3565.0	3567.2	3569.4	3572.6	3571.5	3569.4	3568.3
7.5°	3548.7	3547.6	3556.3	3556.3	3552.0	3554.2	3552.0	3553.1	3550.9	3548.7	3545.5
10°	3521.6	3523.7	3531.3	3533.5	3533.5	3534.6	3532.4	3527.0	3523.7	3520.5	3517.2
12.5°	3496.6	3495.5	3506.4	3511.8	3520.5	3530.3	3523.7	3508.5	3502.0	3495.5	3493.3
15°	3480.3	3481.4	3492.3	3502.0	3517.2	3537.9	3530.3	3506.4	3493.3	3485.7	3483.6
17.5°	3477.1	3479.2	3493.3	3510.7	3527.0	3549.8	3545.5	3521.6	3499.9	3485.7	3482.5
20°	3484.7	3485.7	3507.5	3532.4	3560.7	3582.4	3572.6	3546.6	3517.2	3495.5	3490.1
22.5°	3498.8	3503.1	3530.3	3569.4	3612.8	3642.1	3630.2	3585.6	3540.0	3512.9	3505.3
25°	3543.3	3544.4	3581.3	3634.5	3686.6	3720.3	3706.2	3643.2	3584.6	3554.2	3544.4
27.5°	3635.6	3638.9	3675.8	3737.7	3782.2	3803.9	3795.2	3744.2	3694.2	3661.7	3664.9
30°	3769.2	3773.5	3814.8	3883.2	3910.3	3915.8	3913.6	3889.7	3844.1	3800.7	3803.9
32.5°	3932.0	3934.2	3989.6	4051.5	4073.2	4077.6	4073.2	4051.5	3997.2	3938.6	3941.8
35°	4141.6	4148.1	4201.3	4261.1	4278.4	4287.1	4279.5	4251.3	4194.8	4137.3	4135.1
37.5°	4400.1	4401.2	4456.5	4518.4	4540.2	4542.3	4533.6	4515.2	4444.6	4392.5	4389.2
40°	4699.8	4704.1	4769.3	4835.5	4844.2	4834.4	4846.4	4835.5	4762.8	4703.0	4712.8
42.5°	5064.6	5074.4	5152.6	5217.8	5192.8	5187.3	5194.9	5198.2	5139.6	5066.8	5060.3
45°	5489.2	5497.9	5595.6	5647.8	5631.5	5595.6	5610.8	5636.9	5555.5	5465.3	5474.0
47.5°	5973.5	5995.3	6099.5	6148.4	6108.2	6059.3	6088.6	6127.7	6032.2	5920.3	5914.9
50°	6512.1	6539.3	6678.3	6746.7	6706.5	6616.4	6665.3	6691.3	6553.4	6409.0	6397.0
52.5°	7086.6	7113.7	7288.6	7429.7	7403.7	7263.6	7332.0	7304.9	7146.3	6951.9	6936.7
55°	7737.0	7747.9	7936.8	8164.9	8190.9	8087.8	8083.4	8038.9	7804.4	7579.6	7568.7
57.5°	8406.0	8413.6	8657.9	8927.2	9049.9	9049.9	8928.3	8833.8	8522.1	8261.5	8234.4
60°	9128.1	9155.2	9425.6	9791.6	10078.2	10162.9	9947.9	9690.6	9351.8	9033.6	9002.1
62.5°	9770.9	9802.4	10216.2	10761.3	11221.7	11530.1	11004.5	10585.4	9968.6	9458.2	9398.5
65°	9852.4	9937.1	10539.8	11526.8	12557.4	13173.1	12165.3	11132.7	10008.7	9299.7	9238.8
67.5°	8997.8	9141.1	9955.5	11492.1	13621.5	14943.1	12907.0	10819.9	9287.7	8503.7	8436.4
70°	6913.9	7122.4	8061.7	10052.2	13438.0	15513.2	12442.2	9472.3	7743.6	6899.8	6805.3
72.5°	3793.1	3878.8	4723.7	6883.5	10773.2	13182.8	10378.0	7004.1	5135.2	4178.5	4020.0
75°	1203.2	1233.6	1663.6	2816.8	6094.1	8731.7	6592.5	3438.0	1892.7	1395.4	1379.1
77.5°	534.3	537.5	601.6	822.0	2099.0	4424.0	2521.5	936.0	645.0	563.6	582.0
80°	337.7	337.7	372.5	407.2	571.2	1284.6	681.9	445.2	380.1	352.9	360.5
82.5°	161.8	179.2	242.2	260.6	313.8	432.2	349.7	291.0	254.1	188.9	175.9
85°	106.4	89.0	153.1	172.7	182.4	207.4	203.1	192.2	166.1	94.5	105.3
87.5°	47.8	45.6	79.3	72.8	68.4	52.1	78.2	96.6	93.4	46.7	46.7
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)