

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: P316090

Luminaire Tested: **GAN-SA6C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316090
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-SA6C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37265 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

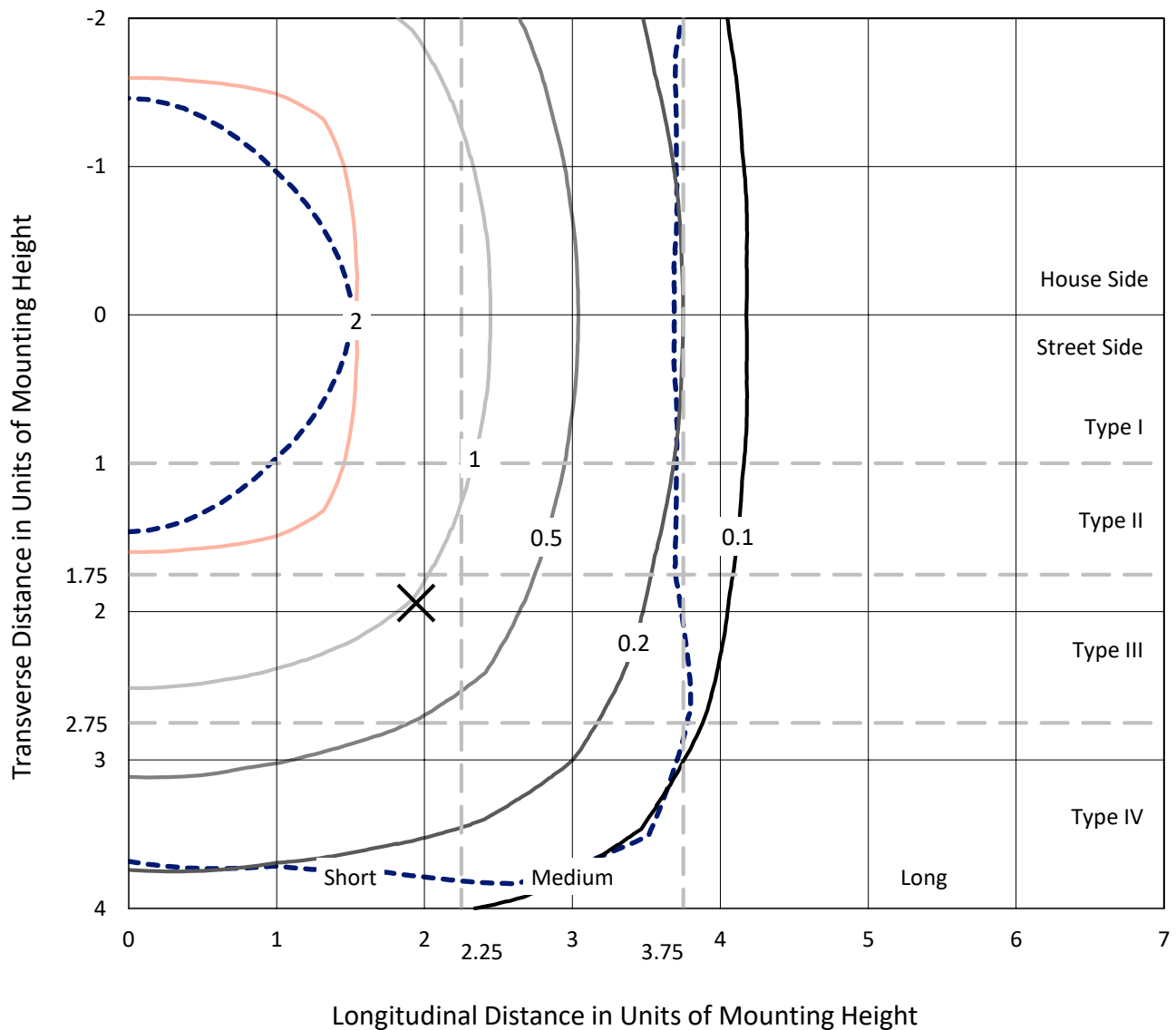
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316090
CATALOG NUMBER: GAN-SA6C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

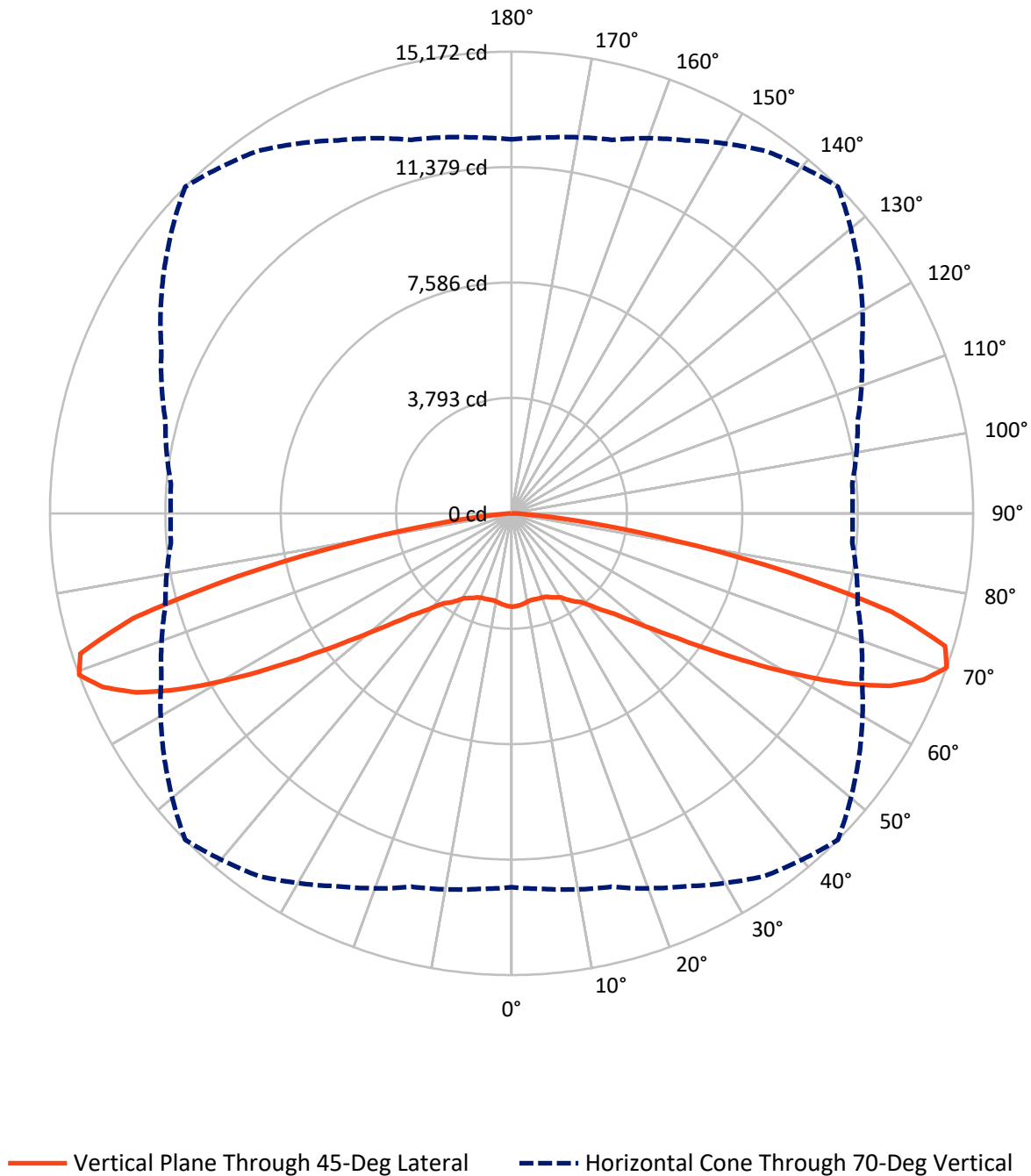
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - N/A

REPORT NUMBER: P316090
CATALOG NUMBER: GAN-SA6C-727-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316090

CATALOG NUMBER: GAN-SA6C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18632.5	0.0	18632.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18632.5	0.0	18632.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37265.0	0.0	37265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	0.8
10°-20°	836.1	2.2
20°-30°	1425.6	3.8
30°-40°	2227.5	6.0
40°-50°	3775.1	10.1
50°-60°	6884.2	18.5
60°-70°	11851.6	31.8
70°-80°	9289.7	24.9
80°-90°	688.8	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°	37265.0	100.0
0°-180°	37265.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316090

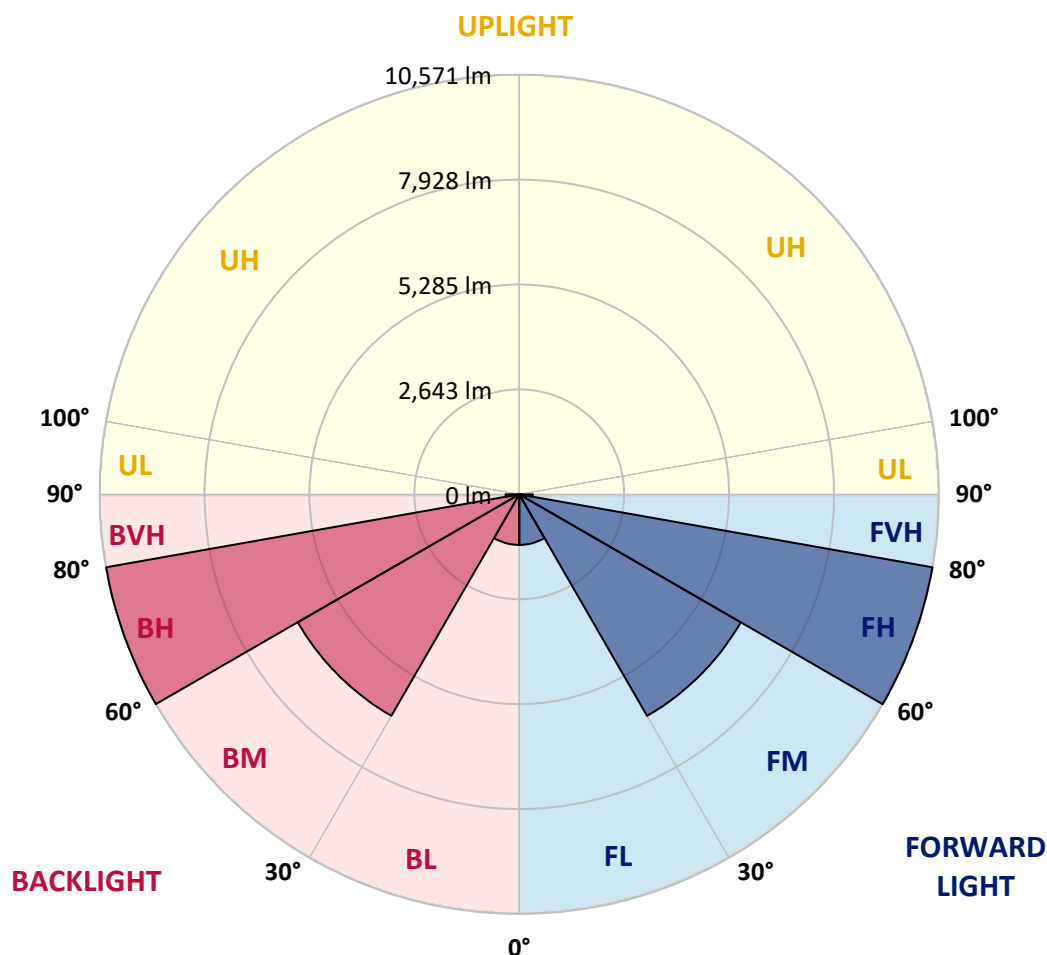
CATALOG NUMBER: GAN-SA6C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1274.0	3.4			
FM	(30°-60°)	6443.4	17.3			
FH	(60°-80°)	10570.7	28.4			G4/12000
FVH	(80°-90°)	344.4	0.9			G3/500
BL	(0°-30°)	1274.0	3.4	B3/2500		
BM	(30°-60°)	6443.4	17.3	B4/8500		
BH	(60°-80°)	10570.7	28.4	B5		G4/12000
BVH	(80°-90°)	344.4	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: P316090

CATALOG NUMBER: GAN-SA6C-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9	3066.9
2.5°	3053.4	3057.1	3053.4	3055.8	3049.7	3052.1	3052.1	3052.1	3050.9	3052.1	3049.7
5°	3026.2	3028.7	3023.8	3026.2	3022.5	3026.2	3027.5	3026.2	3023.8	3025.0	3020.1
7.5°	2985.6	2988.0	2984.3	2988.0	2983.1	2989.3	2988.0	2984.3	2980.6	2980.6	2975.7
10°	2963.4	2964.6	2954.7	2951.0	2939.9	2942.4	2946.1	2949.8	2953.5	2960.9	2959.7
12.5°	2964.6	2964.6	2949.8	2933.8	2917.8	2921.5	2927.6	2941.2	2956.0	2969.5	2970.8
15°	2976.9	2975.7	2953.5	2927.6	2916.5	2927.6	2931.3	2939.9	2963.4	2986.8	2988.0
17.5°	2985.6	2985.6	2951.0	2921.5	2920.2	2937.5	2936.3	2939.9	2965.8	3000.3	3001.6
20°	3001.6	3001.6	2957.2	2925.2	2925.2	2943.6	2944.9	2951.0	2976.9	3015.1	3021.3
22.5°	3037.3	3038.6	2991.7	2965.8	2968.3	2979.4	2983.1	2993.0	3016.4	3058.3	3065.7
25°	3087.9	3090.3	3042.3	3027.5	3036.1	3057.1	3054.6	3062.0	3087.9	3128.5	3135.9
27.5°	3158.1	3152.0	3107.6	3101.4	3110.1	3124.9	3123.6	3124.9	3145.8	3182.8	3191.4
30°	3249.4	3246.9	3214.8	3218.5	3214.8	3209.9	3211.1	3221.0	3232.1	3261.7	3270.3
32.5°	3338.1	3340.6	3320.8	3339.3	3366.5	3384.9	3356.6	3329.5	3317.1	3333.2	3340.6
35°	3498.4	3504.5	3473.7	3461.4	3498.4	3552.6	3472.5	3428.1	3452.7	3473.7	3479.9
37.5°	3770.8	3774.5	3722.7	3673.4	3646.3	3698.0	3617.9	3621.6	3707.9	3747.4	3746.1
40°	4081.4	4082.6	4048.1	4005.0	3958.1	3970.5	3938.4	3948.3	4005.0	4040.7	4050.6
42.5°	4451.2	4447.5	4393.3	4331.6	4318.1	4330.4	4276.2	4268.8	4334.1	4398.2	4399.4
45°	4930.7	4922.1	4851.8	4784.0	4718.7	4691.6	4678.0	4713.8	4803.8	4862.9	4864.2
47.5°	5447.2	5423.8	5386.8	5332.6	5275.9	5248.8	5226.6	5243.8	5309.2	5332.6	5335.1
50°	5978.5	5983.4	5990.8	5969.9	5948.9	5940.3	5882.4	5849.1	5868.8	5825.7	5819.5
52.5°	6608.4	6618.3	6689.8	6750.2	6785.9	6804.4	6694.7	6580.1	6516.0	6432.1	6407.5
55°	7351.7	7367.7	7472.5	7640.2	7812.7	7904.0	7705.5	7491.0	7292.6	7136.0	7085.5
57.5°	8180.1	8208.4	8352.7	8674.4	9028.2	9243.9	8908.6	8519.1	8135.7	7910.1	7870.7
60°	9151.4	9178.6	9378.3	9839.3	10412.5	10736.7	10228.8	9591.5	9114.5	8898.7	8826.0
62.5°	10307.7	10310.2	10555.5	11094.1	11851.0	12302.2	11614.3	10762.6	10270.7	10010.6	9940.4
65°	11551.5	11557.6	11811.6	12393.4	13176.1	13666.8	12890.2	12002.6	11401.1	11017.7	10963.5
67.5°	12430.4	12456.3	12723.8	13423.9	14156.1	14598.7	13795.0	12791.5	12096.3	11639.0	11593.4
70°	12289.8	12390.9	12705.3	13522.5	14540.7	15171.9	13941.6	12697.9	11780.7	11240.8	11202.6
72.5°	10718.2	10911.7	11330.8	12403.3	14031.6	14900.7	13141.6	11372.7	10334.8	9875.0	9806.0
75°	7298.7	7613.0	8245.4	9792.4	11987.8	12901.3	11063.3	9067.6	8091.3	7455.3	7408.4
77.5°	3254.3	3325.8	4127.0	5908.2	8272.5	9264.8	8038.3	5931.7	4452.4	3551.4	3361.5
80°	907.3	918.3	1225.3	2200.3	4140.6	5443.5	4445.1	2311.3	1299.2	915.9	862.9
82.5°	288.4	313.1	382.1	570.7	1391.7	2483.9	1428.7	616.3	438.8	350.1	315.6
85°	140.5	139.3	193.5	231.7	355.0	549.8	378.4	286.0	250.2	166.4	150.4
87.5°	59.2	60.4	90.0	81.4	103.5	88.8	122.0	128.2	134.4	74.0	64.1
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)