

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: P317251

Luminaire Tested: **GAN-SA7C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37594 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 391
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

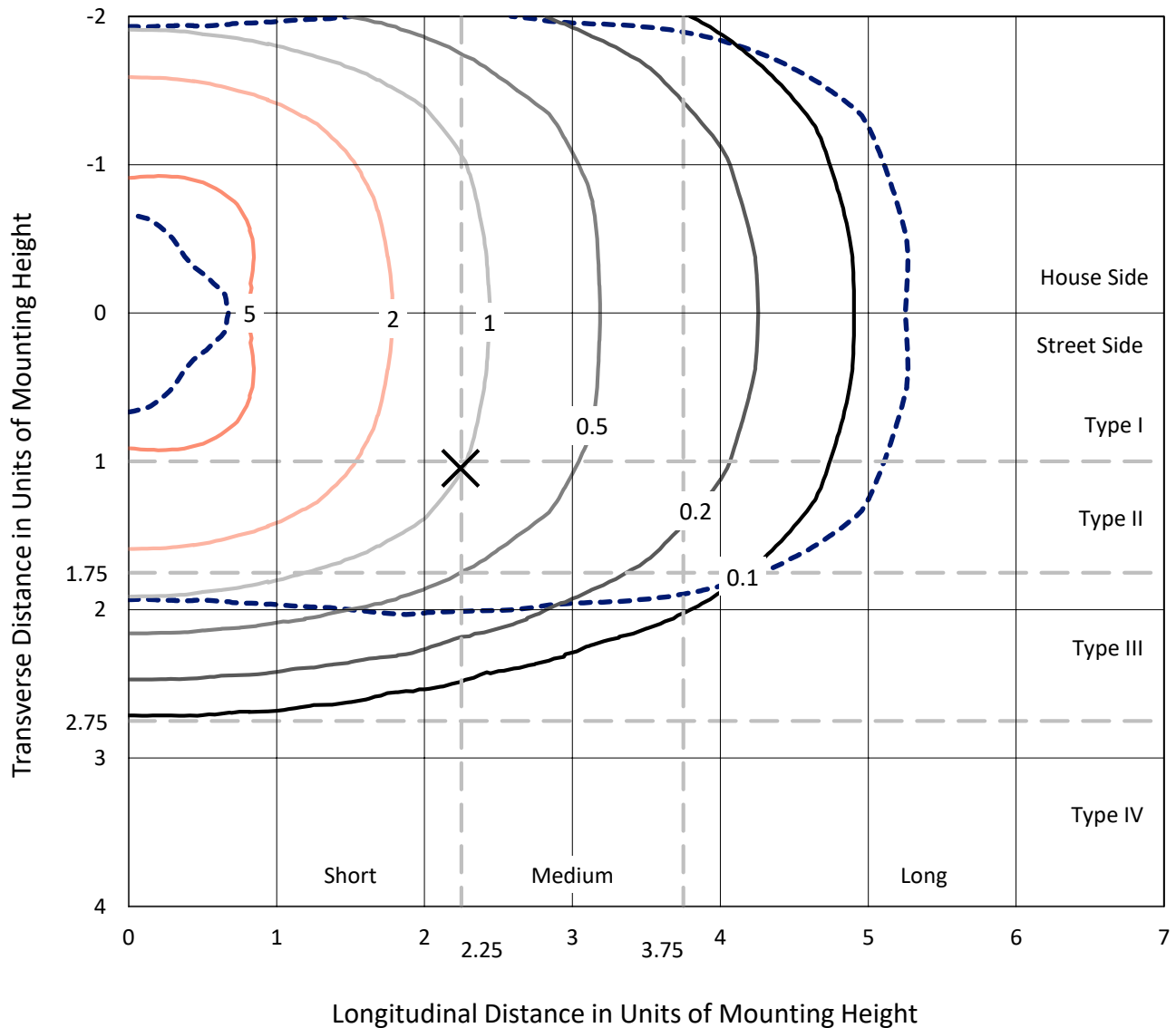


REPORT NUMBER: P317251

CATALOG NUMBER: GAN-SA7C-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

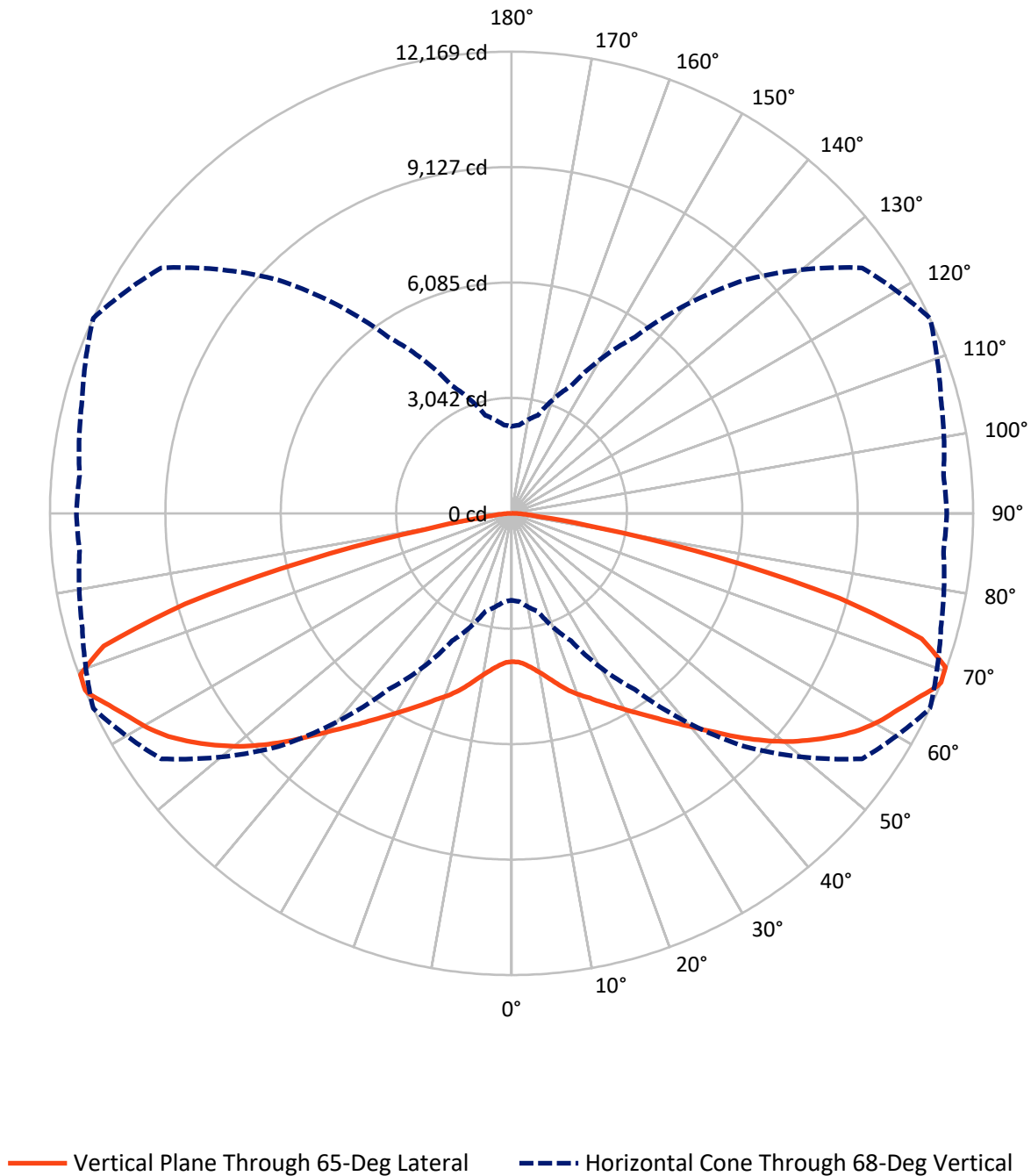
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

REPORT NUMBER: P317251
CATALOG NUMBER: GAN-SA7C-827-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18797.0	0.0	18797.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18797.0	0.0	18797.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37594.0	0.0	37594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	1.0
10°-20°	1281.5	3.4
20°-30°	2498.5	6.6
30°-40°	4197.3	11.2
40°-50°	6613.5	17.6
50°-60°	8844.5	23.5
60°-70°	8597.9	22.9
70°-80°	4700.1	12.5
80°-90°	478.0	1.3
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°	37594.0	100.0
0°-180°	37594.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317251

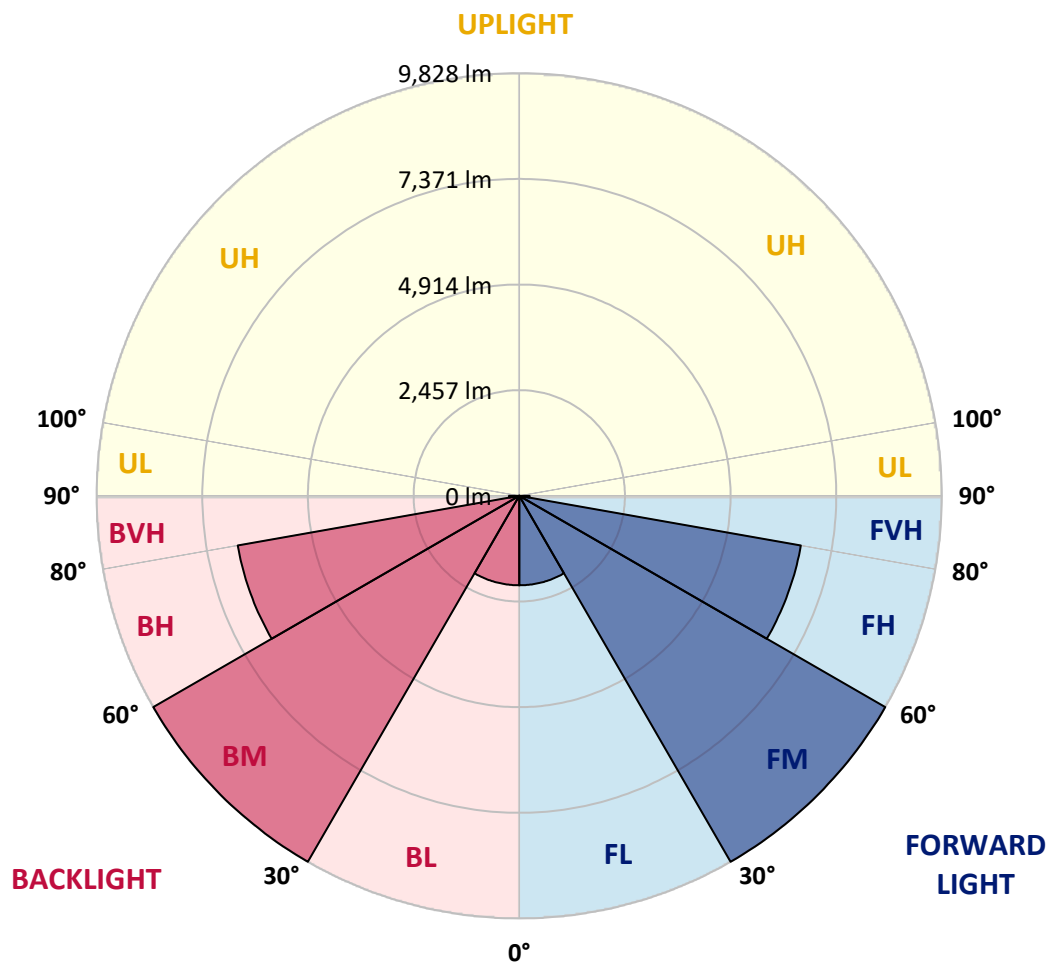
CATALOG NUMBER: GAN-SA7C-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2081.3	5.5			
FM	(30°-60°)	9827.7	26.1			
FH	(60°-80°)	6649.0	17.7			G3/7500
FVH	(80°-90°)	239.0	0.6			G3/500
BL	(0°-30°)	2081.3	5.5	B3/2500		
BM	(30°-60°)	9827.7	26.1	B5		
BH	(60°-80°)	6649.0	17.7	B5		G5
BVH	(80°-90°)	239.0	0.6			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 III Short





REPORT NUMBER: P317251

CATALOG NUMBER: GAN-SA7C-827-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9
2.5°	3881.2	3882.4	3888.7	3896.3	3902.6	3919.0	3922.8	3929.1	3931.6	3937.9	3937.9
5°	3847.1	3849.6	3864.8	3884.9	3907.6	3948.0	3977.0	4009.7	4026.1	4043.8	4042.5
7.5°	3843.3	3849.6	3871.1	3903.8	3941.7	4008.5	4069.0	4134.5	4178.6	4219.0	4216.5
10°	3882.4	3892.5	3922.8	3971.9	4028.6	4111.8	4201.3	4289.6	4366.5	4428.2	4430.7
12.5°	3941.7	3954.3	4002.2	4076.5	4162.3	4269.4	4375.3	4474.9	4580.8	4672.8	4680.3
15°	4019.8	4036.2	4108.1	4219.0	4350.1	4477.4	4590.8	4692.9	4815.2	4942.5	4955.1
17.5°	4135.8	4158.5	4253.0	4403.0	4575.7	4715.6	4834.1	4911.0	5013.1	5144.2	5168.2
20°	4312.3	4341.3	4461.0	4640.0	4850.5	4996.7	5087.5	5103.9	5154.3	5271.5	5299.3
22.5°	4541.7	4566.9	4700.5	4913.5	5149.2	5308.1	5356.0	5290.4	5285.4	5379.9	5406.4
25°	4797.6	4820.3	4975.3	5214.8	5468.2	5643.4	5642.1	5514.8	5426.6	5499.7	5527.4
27.5°	5085.0	5120.3	5269.0	5521.1	5792.1	5964.8	5954.7	5758.1	5590.4	5609.3	5633.3
30°	5415.2	5454.3	5599.3	5855.1	6126.2	6295.1	6282.5	6022.8	5770.7	5720.3	5737.9
32.5°	5824.9	5871.5	6008.9	6261.0	6500.5	6653.1	6616.5	6310.2	5987.5	5877.8	5894.2
35°	6317.8	6345.5	6490.4	6738.8	6932.9	7037.5	6960.6	6643.0	6262.3	6129.9	6129.9
37.5°	6816.9	6838.4	7001.0	7241.7	7429.5	7485.0	7335.0	7007.3	6621.5	6433.7	6437.5
40°	7295.9	7353.9	7536.7	7783.7	7969.0	7984.2	7785.0	7423.2	7021.1	6827.0	6849.7
42.5°	7796.4	7853.1	8071.1	8351.0	8514.9	8540.1	8306.9	7889.6	7472.4	7314.8	7340.0
45°	8242.6	8288.0	8540.1	8865.3	9069.5	9135.0	8859.0	8424.1	7960.2	7806.4	7812.7
47.5°	8553.9	8613.2	8890.5	9273.7	9571.2	9672.0	9401.0	8944.7	8440.5	8253.9	8270.3
50°	8836.3	8867.8	9148.9	9567.4	9945.6	10153.5	9921.6	9459.0	8925.8	8727.9	8745.5
52.5°	8993.9	9034.2	9306.5	9742.6	10190.1	10525.4	10384.2	9921.6	9394.7	9201.8	9223.3
55°	8884.2	8914.4	9240.9	9781.7	10341.4	10754.8	10776.2	10374.1	9854.8	9685.9	9746.4
57.5°	8385.0	8422.8	8821.2	9529.6	10360.3	10909.9	11071.2	10793.9	10284.6	10147.2	10182.5
60°	7604.8	7628.7	8053.5	8850.2	9992.2	10974.1	11259.0	11136.7	10705.6	10568.3	10616.2
62.5°	6214.4	6249.7	6757.7	7825.3	9214.4	10783.8	11440.5	11420.4	11097.7	10971.6	11014.5
65°	4248.0	4309.7	4871.9	6222.0	8015.7	10201.4	11605.7	11750.6	11444.3	11285.5	11342.2
67.5°	2565.2	2610.5	3017.7	4108.1	6133.7	9026.6	11435.5	12126.3	11688.9	11433.0	11479.6
68°	2292.9	2334.5	2674.8	3707.2	5673.6	8695.1	11280.4	12169.1	11715.3	11430.5	11472.0
70°	1385.3	1413.0	1641.2	2291.6	3782.8	6897.6	10222.9	12133.8	11884.2	11465.7	11489.7
72.5°	902.5	911.4	949.2	1176.1	1932.4	3857.2	7672.8	11306.9	12137.6	11671.2	11667.4
75°	750.0	745.0	748.8	775.2	953.0	1691.6	4483.7	8932.1	11570.4	11347.3	11267.8
77.5°	634.0	630.3	629.0	630.3	637.8	816.8	1946.3	5564.0	8853.9	10037.6	10108.2
80°	513.0	508.0	524.4	516.8	494.1	508.0	815.6	2314.3	4173.6	4490.0	4207.6
82.5°	373.1	354.2	424.8	404.6	385.7	358.0	450.0	747.5	995.8	683.2	480.3
85°	287.4	267.2	322.7	310.1	264.7	182.8	267.2	365.6	403.4	230.7	181.5
87.5°	117.2	123.5	233.2	184.0	155.0	88.2	109.7	146.2	196.6	98.3	75.6
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)