

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: P317250

Luminaire Tested: **GAN-SA6C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317250
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-SA6C-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 31789 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

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

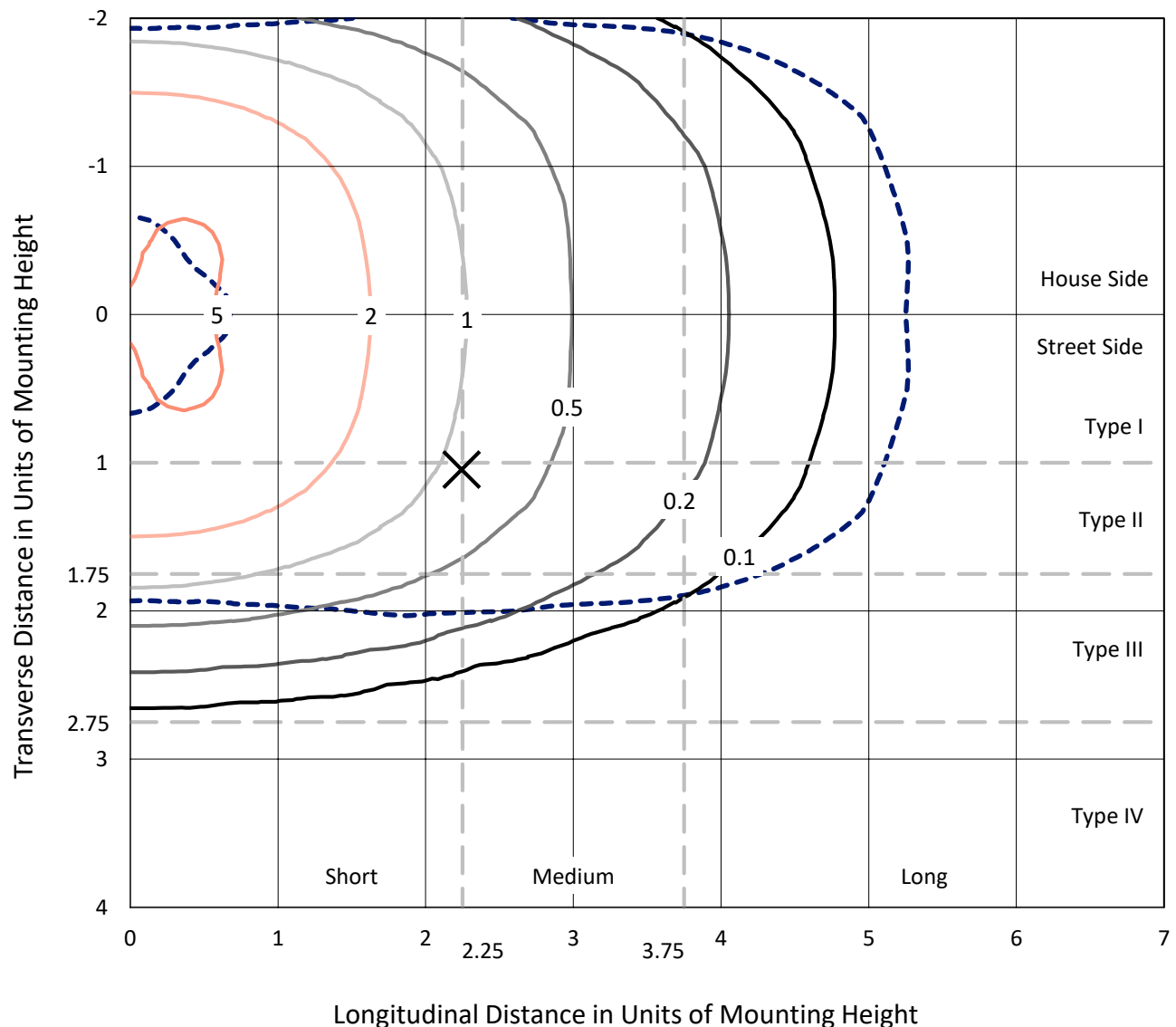


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Iso-Footcandle Lines of Horizontal Illumination

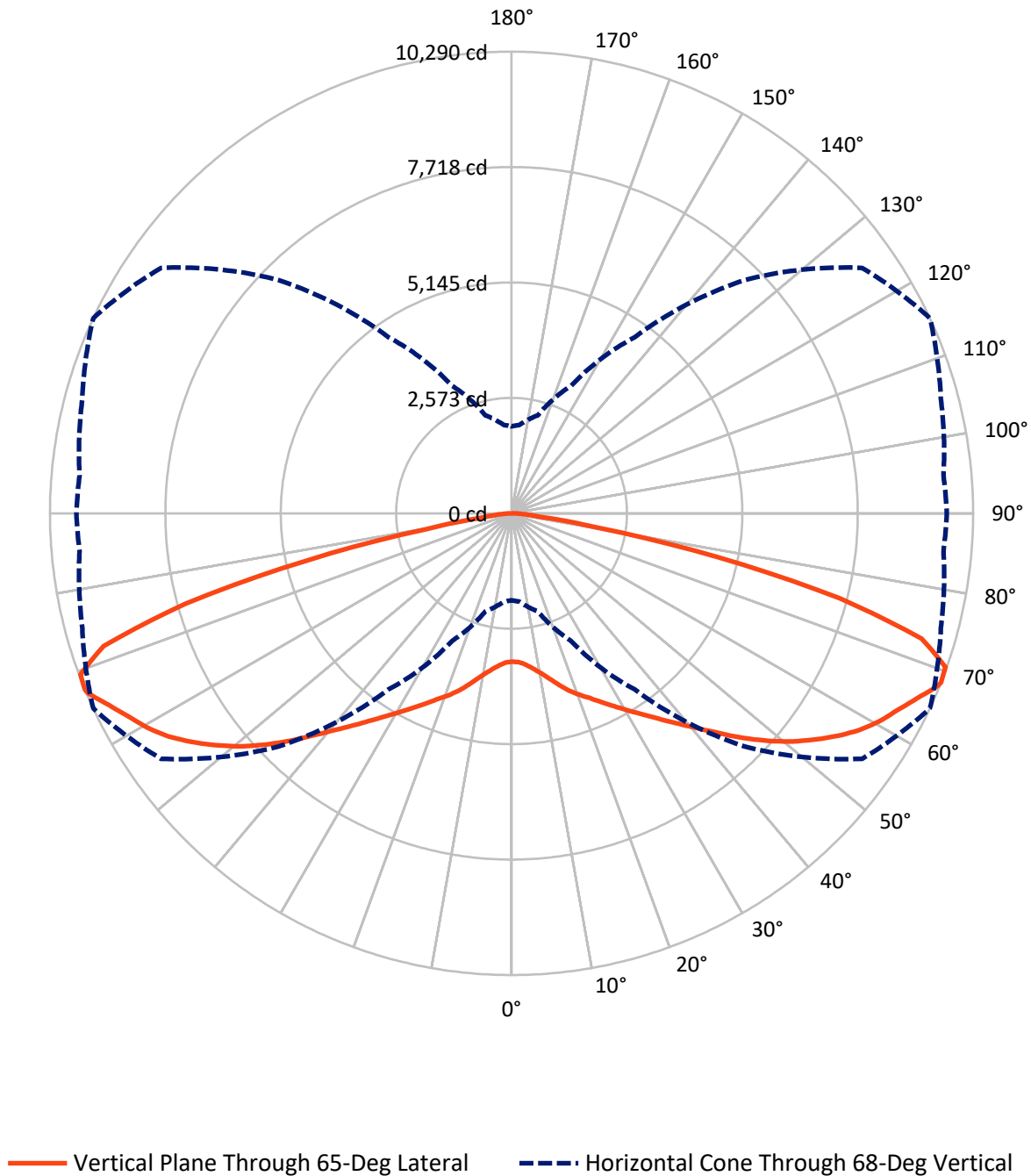
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15894.5	0.0	15894.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15894.5	0.0	15894.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31789.0	0.0	31789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.6	1.0
10°-20°	1083.6	3.4
20°-30°	2112.7	6.6
30°-40°	3549.2	11.2
40°-50°	5592.3	17.6
50°-60°	7478.8	23.5
60°-70°	7270.3	22.9
70°-80°	3974.3	12.5
80°-90°	404.2	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°	31789.0	100.0
0°-180°	31789.0	100.0

Coefficient of Utilization



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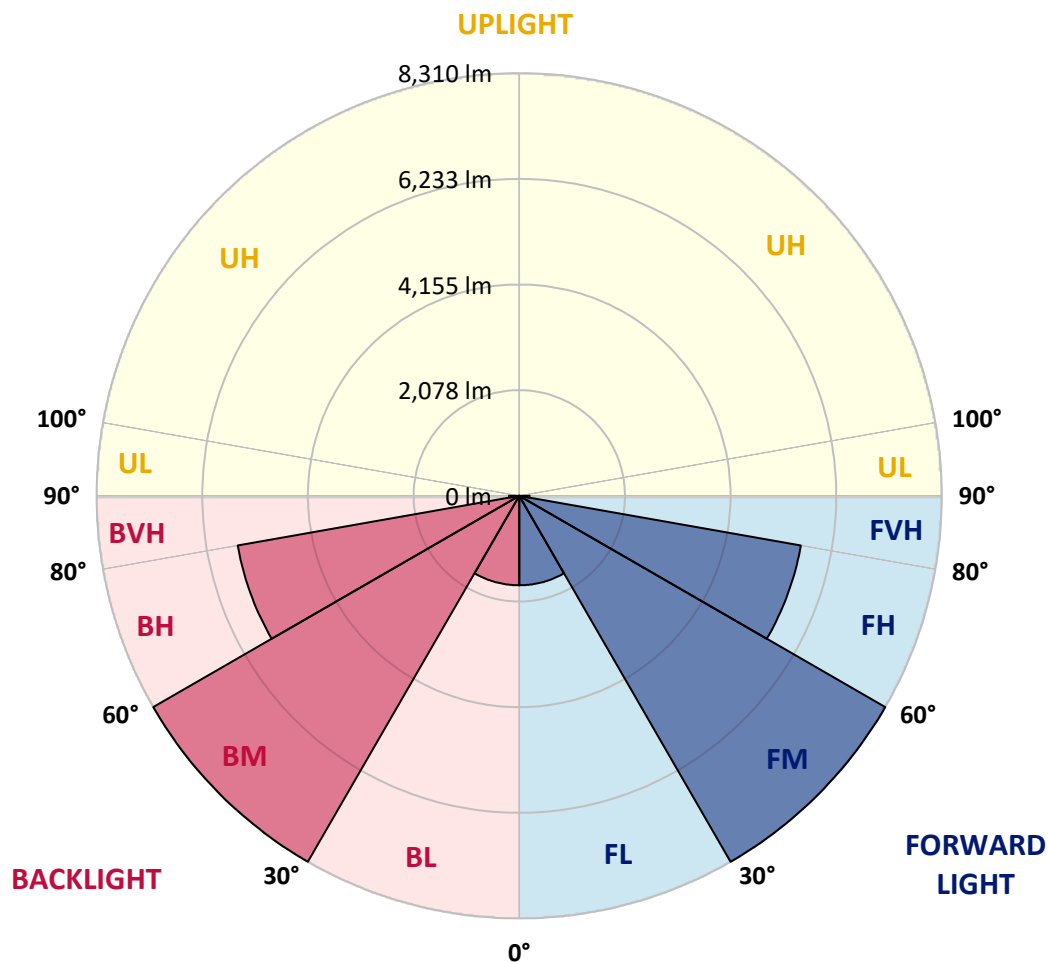
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1760.0	5.5			
FM	(30°-60°)	8310.1	26.1			
FH	(60°-80°)	5622.3	17.7			G3/7500
FVH	(80°-90°)	202.1	0.6			G2/225
BL	(0°-30°)	1760.0	5.5	B3/2500		
BM	(30°-60°)	8310.1	26.1	B4/8500		
BH	(60°-80°)	5622.3	17.7	B5		G5
BVH	(80°-90°)	202.1	0.6			G2/225
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3	3305.3
2.5°	3281.9	3282.9	3288.3	3294.6	3300.0	3313.8	3317.0	3322.4	3324.5	3329.8	3329.8
5°	3253.1	3255.2	3268.0	3285.1	3304.2	3338.4	3362.9	3390.6	3404.4	3419.4	3418.3
7.5°	3249.9	3255.2	3273.3	3301.0	3333.0	3389.5	3440.7	3496.1	3533.4	3567.5	3565.4
10°	3282.9	3291.5	3317.0	3358.6	3406.6	3476.9	3552.6	3627.2	3692.2	3744.5	3746.6
12.5°	3333.0	3343.7	3384.2	3447.1	3519.6	3610.2	3699.7	3783.9	3873.4	3951.2	3957.6
15°	3399.1	3413.0	3473.7	3567.5	3678.4	3786.0	3882.0	3968.3	4071.7	4179.3	4190.0
17.5°	3497.2	3516.4	3596.3	3723.1	3869.2	3987.5	4087.7	4152.7	4239.0	4349.9	4370.1
20°	3646.4	3670.9	3772.2	3923.5	4101.5	4225.2	4301.9	4315.8	4358.4	4457.5	4481.0
22.5°	3840.4	3861.7	3974.7	4154.8	4354.1	4488.4	4528.9	4473.5	4469.3	4549.2	4571.6
25°	4056.8	4075.9	4207.0	4409.6	4623.8	4772.0	4770.9	4663.2	4588.6	4650.5	4673.9
27.5°	4299.8	4329.6	4455.4	4668.6	4897.7	5043.8	5035.2	4869.0	4727.2	4743.2	4763.4
30°	4579.0	4612.1	4734.7	4951.0	5180.2	5323.0	5312.4	5092.8	4879.6	4837.0	4851.9
32.5°	4925.5	4964.9	5081.1	5294.2	5496.8	5625.7	5594.8	5335.8	5063.0	4970.2	4984.1
35°	5342.2	5365.7	5488.2	5698.2	5862.4	5950.8	5885.8	5617.2	5295.3	5183.4	5183.4
37.5°	5764.3	5782.4	5919.9	6123.5	6282.3	6329.2	6202.4	5925.3	5599.1	5440.3	5443.5
40°	6169.3	6218.4	6372.9	6581.8	6738.5	6751.3	6582.9	6277.0	5937.0	5772.8	5792.0
42.5°	6592.5	6640.5	6824.9	7061.5	7200.1	7221.4	7024.2	6671.4	6318.6	6185.3	6206.6
45°	6969.8	7008.2	7221.4	7496.4	7669.0	7724.5	7491.0	7123.3	6731.1	6601.0	6606.4
47.5°	7233.1	7283.2	7517.7	7841.7	8093.3	8178.5	7949.4	7563.5	7137.2	6979.4	6993.3
50°	7471.9	7498.5	7736.2	8090.1	8409.8	8585.7	8389.6	7998.4	7547.5	7380.2	7395.1
52.5°	7605.1	7639.2	7869.4	8238.2	8616.6	8900.1	8780.8	8389.6	7944.0	7781.0	7799.1
55°	7512.4	7537.9	7814.0	8271.3	8744.5	9094.1	9112.2	8772.2	8333.1	8190.3	8241.4
57.5°	7090.3	7122.2	7459.1	8058.1	8760.5	9225.2	9361.7	9127.2	8696.6	8580.4	8610.2
60°	6430.5	6450.7	6809.9	7483.6	8449.3	9279.6	9520.5	9417.1	9052.6	8936.4	8976.9
62.5°	5254.8	5284.7	5714.2	6617.0	7791.6	9118.6	9674.0	9656.9	9384.0	9277.5	9313.7
65°	3592.0	3644.3	4119.6	5261.2	6778.0	8626.2	9813.6	9936.2	9677.2	9542.9	9590.8
67.5°	2169.1	2207.4	2551.7	3473.7	5186.6	7632.8	9669.7	10253.8	9883.9	9667.6	9707.0
68°	1938.8	1974.0	2261.8	3134.8	4797.5	7352.5	9538.6	10290.0	9906.3	9665.4	9700.6
70°	1171.4	1194.9	1387.8	1937.8	3198.7	5832.5	8644.3	10260.2	10049.2	9695.3	9715.5
72.5°	763.2	770.6	802.6	994.5	1634.0	3261.6	6488.0	9561.0	10263.4	9869.0	9865.8
75°	634.2	629.9	633.1	655.5	805.8	1430.4	3791.4	7552.9	9783.8	9595.1	9527.9
77.5°	536.1	532.9	531.9	532.9	539.3	690.7	1645.7	4704.8	7486.8	8487.6	8547.3
80°	433.8	429.6	443.4	437.0	417.8	429.6	689.6	1957.0	3529.1	3796.7	3557.9
82.5°	315.5	299.5	359.2	342.1	326.2	302.7	380.5	632.1	842.0	577.7	406.1
85°	243.0	226.0	272.9	262.2	223.8	154.6	226.0	309.1	341.1	195.1	153.5
87.5°	99.1	104.5	197.2	155.6	131.1	74.6	92.7	123.6	166.3	83.1	64.0
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)