

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: P317040

Luminaire Tested: **GAN-SA6B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317040
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-SA6B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29218 lumens
Efficiency: N/A
Efficacy: 117.3 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): 249
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

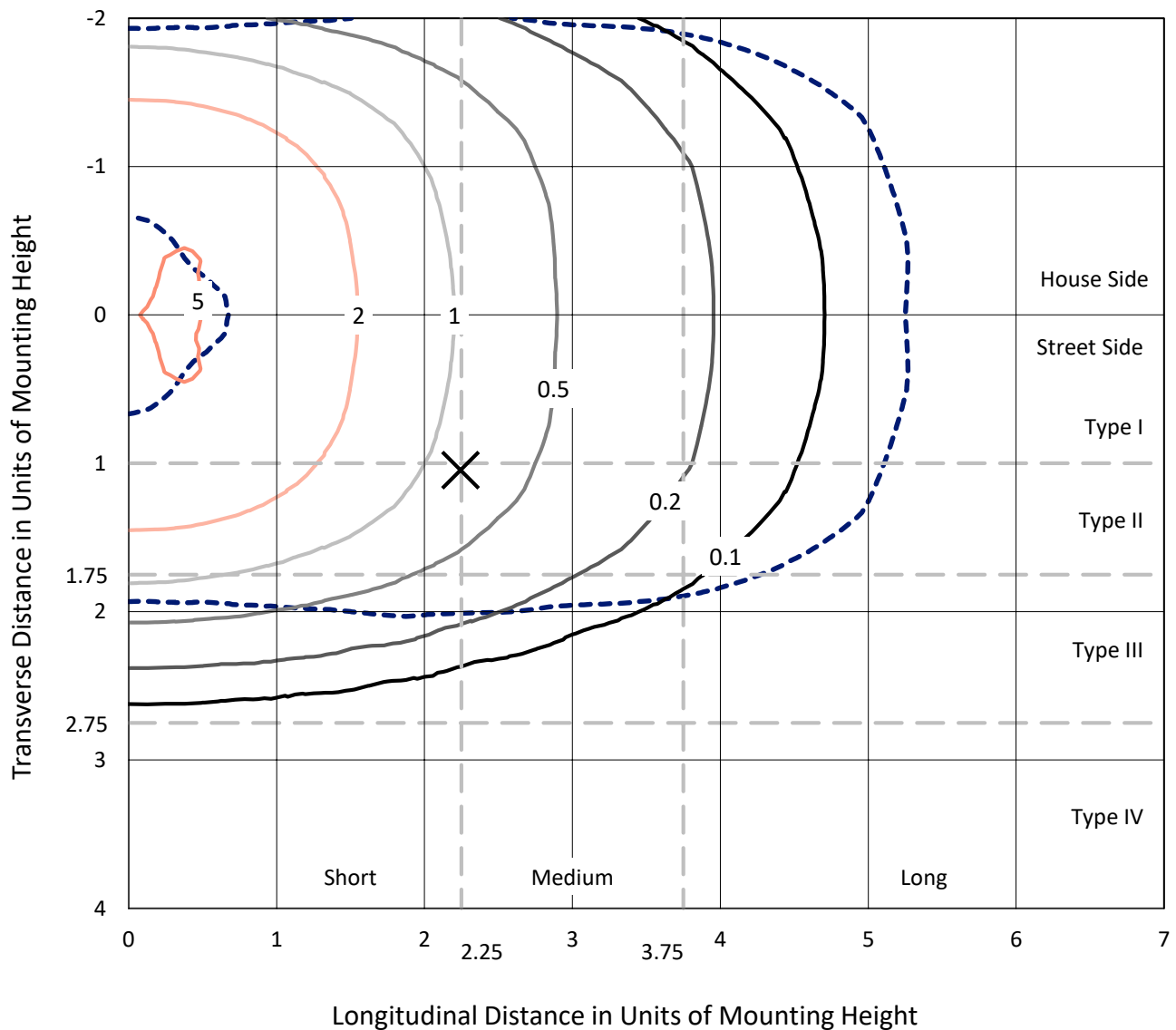


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Iso-Footcandle Lines of Horizontal Illumination

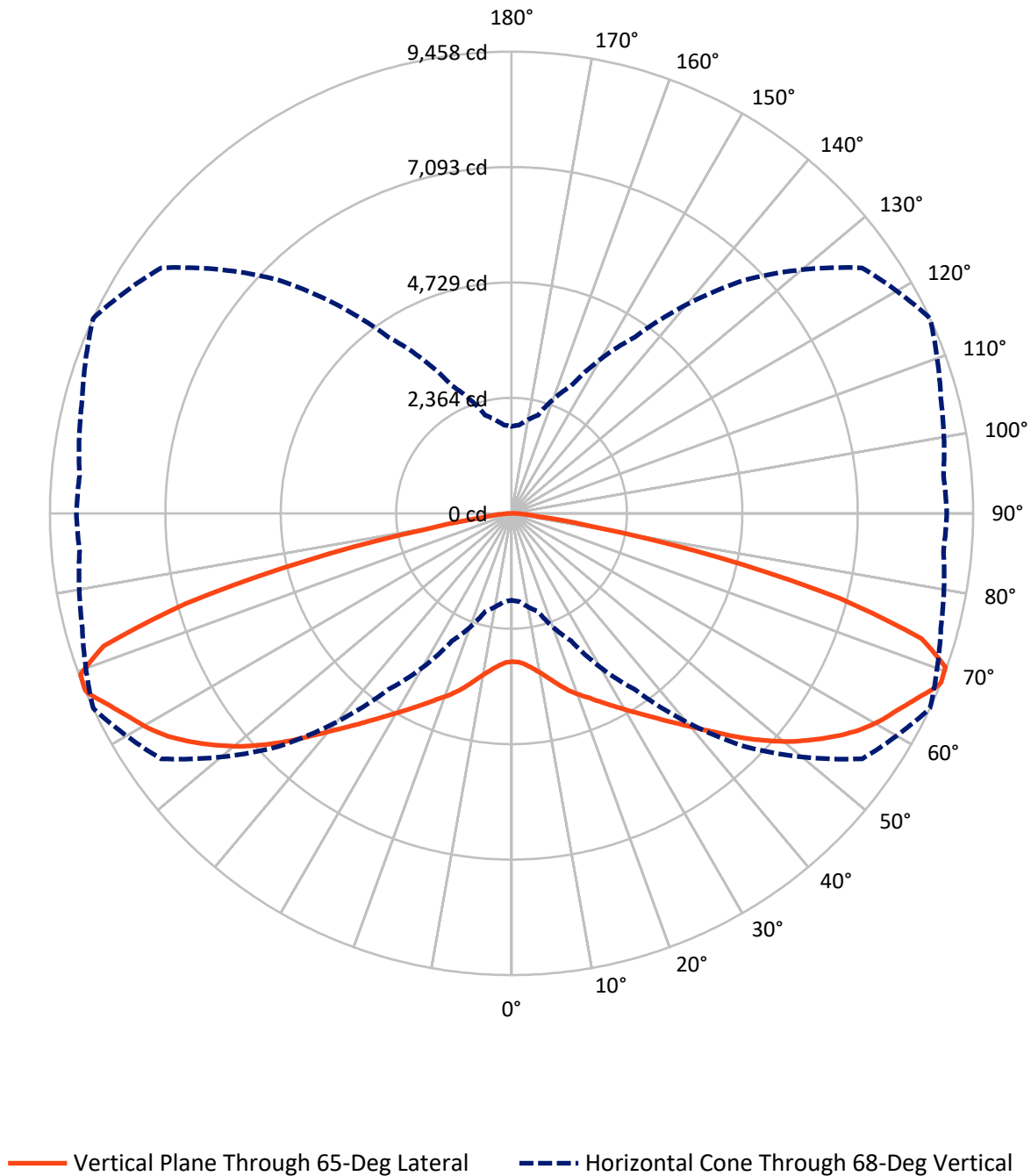
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14609.0	0.0	14609.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14609.0	0.0	14609.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29218.0	0.0	29218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.4	1.0
10°-20°	996.0	3.4
20°-30°	1941.9	6.6
30°-40°	3262.2	11.2
40°-50°	5140.0	17.6
50°-60°	6873.9	23.5
60°-70°	6682.3	22.9
70°-80°	3652.9	12.5
80°-90°	371.5	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°	29218.0	100.0
0°-180°	29218.0	100.0

Coefficient of Utilization



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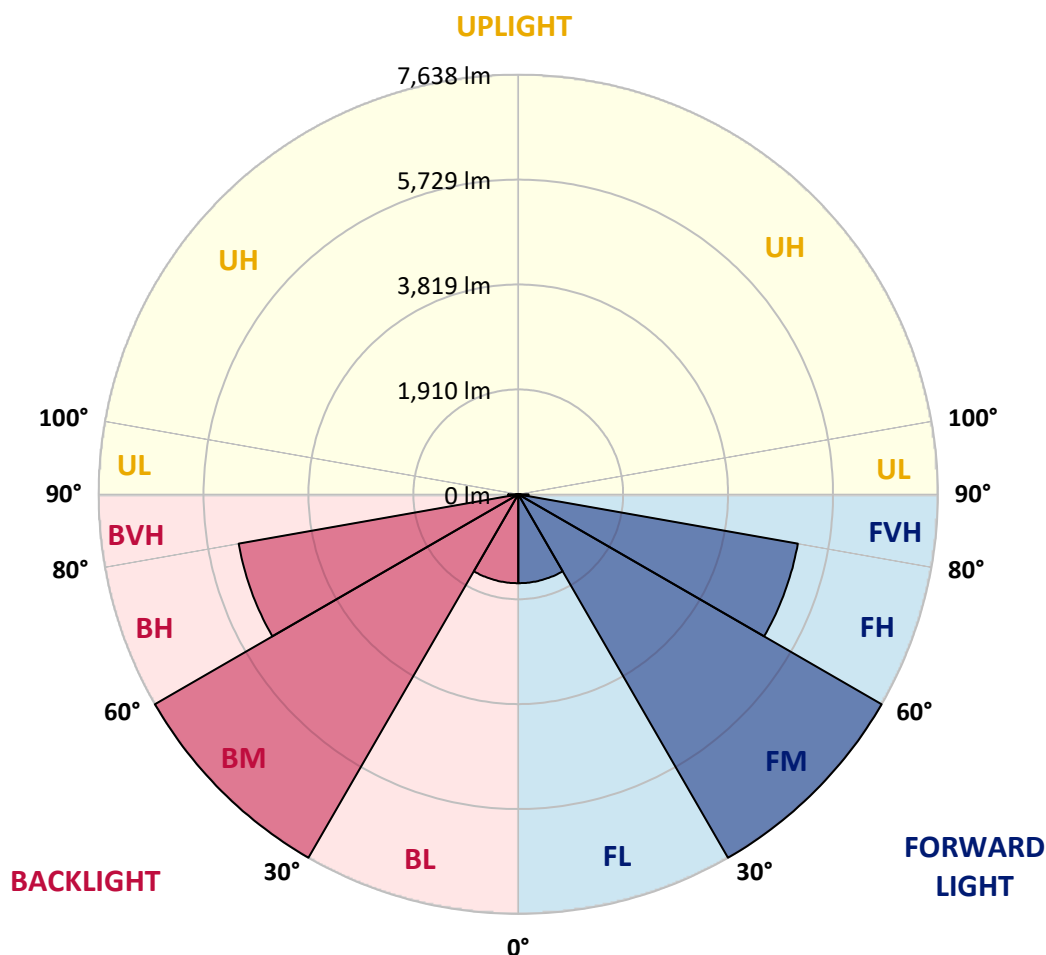
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1617.6	5.5			
FM	(30°-60°)	7638.0	26.1			
FH	(60°-80°)	5167.6	17.7			G3/7500
FVH	(80°-90°)	185.8	0.6			G2/225
BL	(0°-30°)	1617.6	5.5	B3/2500		
BM	(30°-60°)	7638.0	26.1	B4/8500		
BH	(60°-80°)	5167.6	17.7	B5		G5
BVH	(80°-90°)	185.8	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°	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0
2.5°	3016.4	3017.4	3022.3	3028.2	3033.1	3045.8	3048.8	3053.7	3055.6	3060.5	3060.5
5°	2990.0	2991.9	3003.7	3019.4	3037.0	3068.4	3090.9	3116.4	3129.1	3142.8	3141.8
7.5°	2987.0	2991.9	3008.6	3034.1	3063.5	3115.4	3162.4	3213.3	3247.6	3279.0	3277.0
10°	3017.4	3025.2	3048.8	3087.0	3131.1	3195.7	3265.3	3333.8	3393.6	3441.6	3443.6
12.5°	3063.5	3073.3	3110.5	3168.3	3234.9	3318.2	3400.5	3477.9	3560.2	3631.7	3637.5
15°	3124.2	3136.9	3192.8	3279.0	3380.9	3479.8	3568.0	3647.3	3742.4	3841.3	3851.1
17.5°	3214.3	3232.0	3305.4	3422.0	3556.2	3665.0	3757.1	3816.8	3896.2	3998.1	4016.7
20°	3351.5	3374.0	3467.1	3606.2	3769.8	3883.4	3954.0	3966.7	4005.9	4097.0	4118.6
22.5°	3529.8	3549.4	3653.2	3818.8	4002.0	4125.4	4162.7	4111.7	4107.8	4181.3	4201.8
25°	3728.7	3746.3	3866.8	4052.9	4249.8	4386.0	4385.0	4286.1	4217.5	4274.3	4295.9
27.5°	3952.0	3979.5	4095.1	4291.0	4501.6	4635.8	4628.0	4475.2	4344.9	4359.6	4378.2
30°	4208.7	4239.1	4351.7	4550.6	4761.2	4892.5	4882.7	4680.9	4485.0	4445.8	4459.5
32.5°	4527.1	4563.3	4670.1	4866.1	5052.2	5170.7	5142.3	4904.3	4653.5	4568.2	4581.0
35°	4910.2	4931.7	5044.4	5237.4	5388.2	5469.5	5409.8	5162.9	4867.0	4764.2	4764.2
37.5°	5298.1	5314.8	5441.1	5628.3	5774.2	5817.3	5700.8	5446.0	5146.3	5000.3	5003.2
40°	5670.4	5715.4	5857.5	6049.5	6193.5	6205.3	6050.5	5769.3	5456.8	5305.9	5323.6
42.5°	6059.3	6103.4	6272.9	6490.4	6617.7	6637.3	6456.1	6131.8	5807.5	5685.1	5704.7
45°	6406.1	6441.4	6637.3	6890.1	7048.8	7099.7	6885.2	6547.2	6186.7	6067.2	6072.1
47.5°	6648.1	6694.1	6909.7	7207.5	7438.7	7517.1	7306.4	6951.8	6559.9	6414.9	6427.7
50°	6867.5	6892.0	7110.5	7435.8	7729.7	7891.3	7711.1	7351.5	6937.1	6783.3	6797.0
52.5°	6990.0	7021.4	7233.0	7571.9	7919.7	8180.3	8070.6	7711.1	7301.5	7151.7	7168.3
55°	6904.8	6928.3	7182.0	7602.3	8037.3	8358.6	8375.3	8062.8	7659.1	7527.9	7574.9
57.5°	6516.8	6546.2	6855.8	7406.4	8052.0	8479.1	8604.5	8389.0	7993.2	7886.4	7913.8
60°	5910.4	5929.0	6259.2	6878.3	7765.9	8529.1	8750.5	8655.5	8320.4	8213.6	8250.9
62.5°	4829.8	4857.2	5252.1	6081.8	7161.5	8381.2	8891.6	8875.9	8625.1	8527.1	8560.4
65°	3301.5	3349.5	3786.5	4835.7	6229.8	7928.5	9019.9	9132.6	8894.5	8771.1	8815.2
67.5°	1993.6	2028.9	2345.4	3192.8	4767.1	7015.5	8887.6	9424.5	9084.6	8885.7	8921.9
68°	1782.0	1814.4	2078.9	2881.2	4409.5	6757.8	8767.1	9457.8	9105.1	8883.7	8916.1
70°	1076.7	1098.2	1275.5	1781.1	2940.0	5360.8	7945.2	9430.4	9236.4	8911.2	8929.8
72.5°	701.5	708.3	737.7	914.0	1501.8	2997.8	5963.3	8787.7	9433.3	9070.8	9067.9
75°	582.9	579.0	581.9	602.5	740.6	1314.7	3484.7	6942.0	8992.5	8819.1	8757.4
77.5°	492.8	489.8	488.9	489.8	495.7	634.8	1512.6	4324.3	6881.3	7801.2	7856.0
80°	398.7	394.8	407.5	401.7	384.0	394.8	633.9	1798.7	3243.7	3489.6	3270.2
82.5°	290.0	275.3	330.2	314.5	299.8	278.2	349.7	580.9	773.9	531.0	373.3
85°	223.4	207.7	250.8	241.0	205.7	142.1	207.7	284.1	313.5	179.3	141.1
87.5°	91.1	96.0	181.2	143.0	120.5	68.6	85.2	113.6	152.8	76.4	58.8
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)