

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: P317150

Luminaire Tested: **GAN-SA6A-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317150
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-SA6A-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28491 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

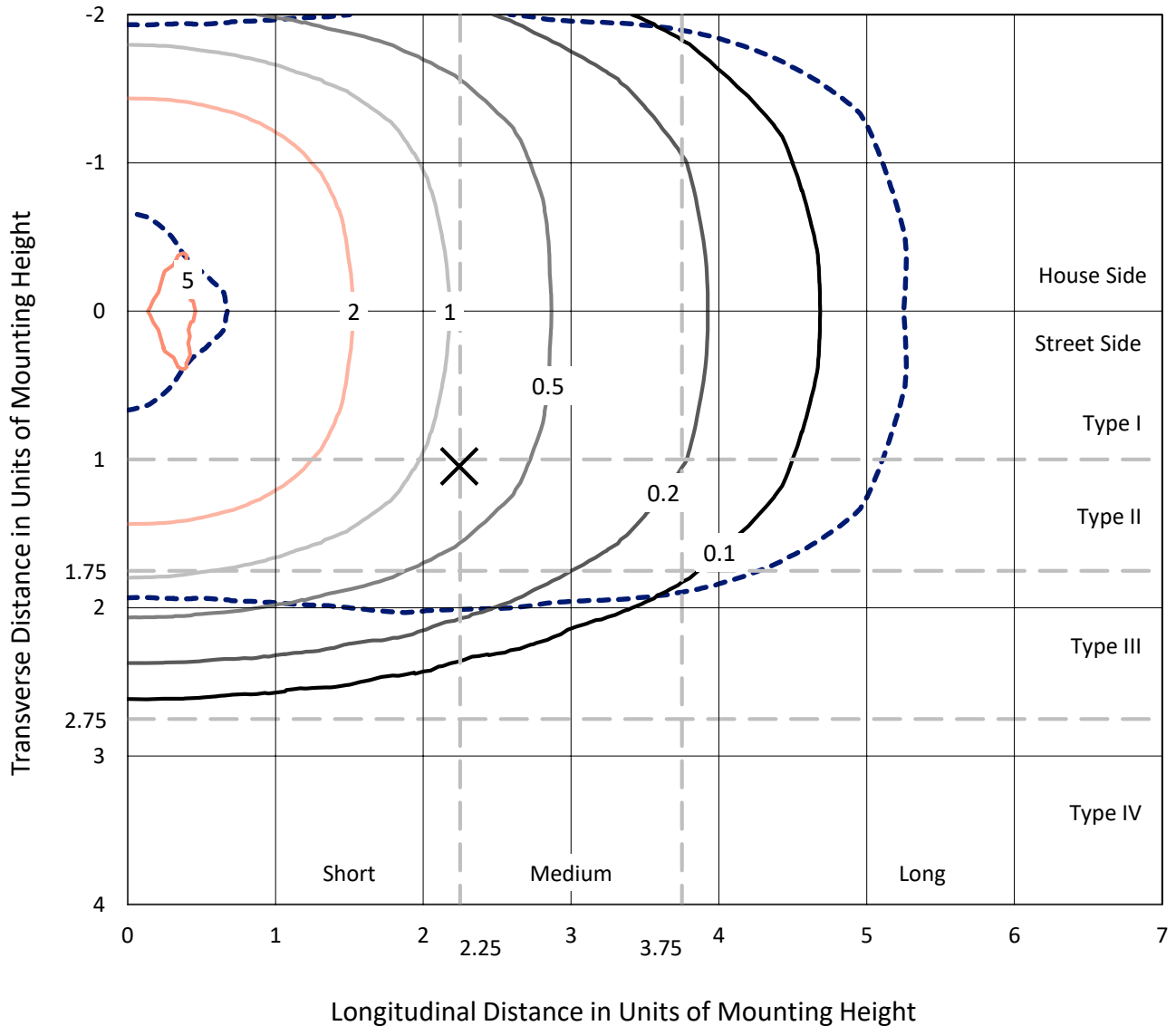
Input Watts (W): 193
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

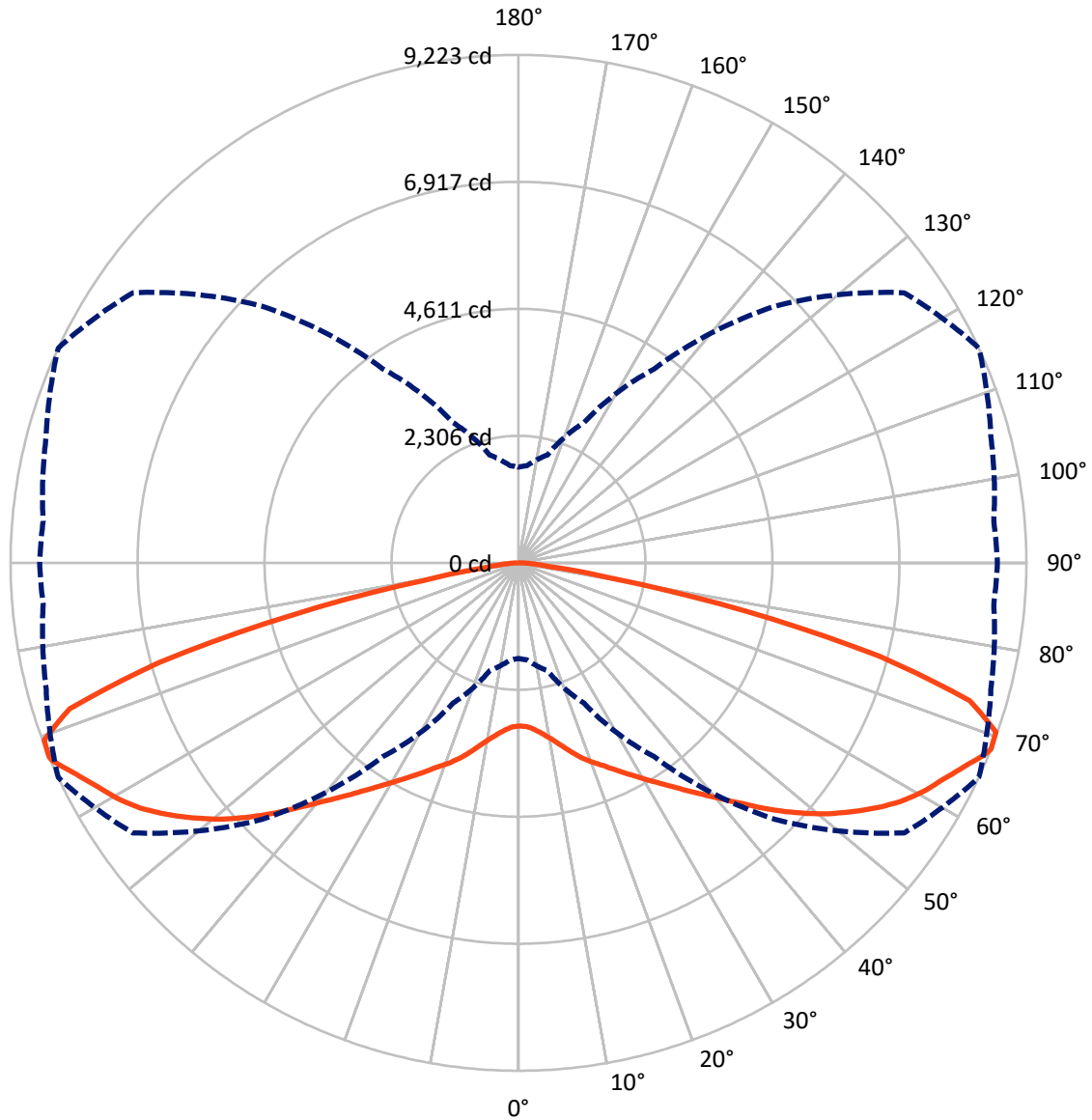
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14245.5	0.0	14245.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14245.5	0.0	14245.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28491.0	0.0	28491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	1.0
10°-20°	971.2	3.4
20°-30°	1893.5	6.6
30°-40°	3181.0	11.2
40°-50°	5012.1	17.6
50°-60°	6702.9	23.5
60°-70°	6516.0	22.9
70°-80°	3562.0	12.5
80°-90°	362.3	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°	28491.0	100.0
0°-180°	28491.0	100.0

Coefficient of Utilization

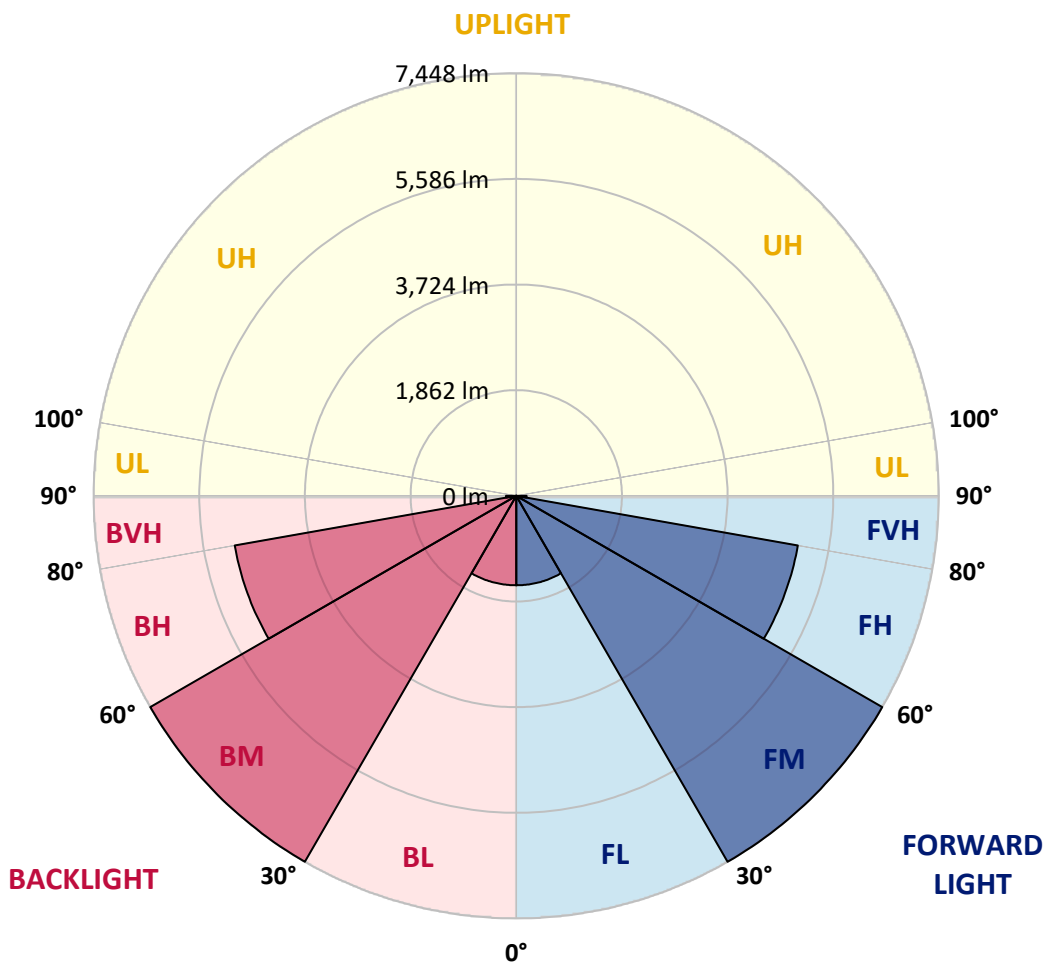


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1577.4	5.5			
FM	(30°-60°)	7448.0	26.1			
FH	(60°-80°)	5039.0	17.7			G3/7500
FVH	(80°-90°)	181.1	0.6			G2/225
BL	(0°-30°)	1577.4	5.5	B3/2500		
BM	(30°-60°)	7448.0	26.1	B4/8500		
BH	(60°-80°)	5039.0	17.7	B5		G5
BVH	(80°-90°)	181.1	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°	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4	2962.4
2.5°	2941.4	2942.3	2947.1	2952.8	2957.6	2970.0	2972.9	2977.7	2979.6	2984.4	2984.4
5°	2915.6	2917.5	2929.0	2944.2	2961.4	2992.0	3014.0	3038.8	3051.2	3064.6	3063.7
7.5°	2912.7	2917.5	2933.7	2958.6	2987.2	3037.9	3083.7	3133.4	3166.8	3197.4	3195.5
10°	2942.3	2950.0	2972.9	3010.2	3053.1	3116.2	3184.0	3250.9	3309.2	3356.0	3357.9
12.5°	2987.2	2996.8	3033.1	3089.4	3154.4	3235.6	3315.9	3391.3	3471.6	3541.3	3547.0
15°	3046.5	3058.9	3113.3	3197.4	3296.7	3393.2	3479.2	3556.6	3649.3	3745.7	3755.3
17.5°	3134.3	3151.5	3223.2	3336.9	3467.7	3573.8	3663.6	3721.9	3799.2	3898.6	3916.7
20°	3268.1	3290.1	3380.8	3516.5	3676.0	3786.8	3855.6	3868.0	3906.2	3995.1	4016.1
22.5°	3442.0	3461.1	3562.3	3723.8	3902.4	4022.8	4059.1	4009.4	4005.6	4077.2	4097.3
25°	3635.9	3653.1	3770.6	3952.1	4144.1	4276.9	4275.9	4179.4	4112.6	4168.0	4189.0
27.5°	3853.7	3880.4	3993.2	4184.2	4389.6	4520.5	4512.8	4363.8	4236.8	4251.1	4269.2
30°	4104.0	4133.6	4243.5	4437.4	4642.8	4770.8	4761.2	4564.4	4373.4	4335.2	4348.5
32.5°	4414.5	4449.8	4553.9	4745.0	4926.5	5042.1	5014.4	4782.2	4537.7	4454.6	4467.0
35°	4788.0	4809.0	4918.9	5107.0	5254.2	5333.5	5275.2	5034.4	4745.9	4645.6	4645.6
37.5°	5166.3	5182.5	5305.8	5488.2	5630.6	5672.6	5558.9	5310.5	5018.2	4875.9	4878.7
40°	5529.3	5573.2	5711.8	5899.0	6039.4	6050.9	5899.9	5625.8	5321.0	5173.9	5191.1
42.5°	5908.5	5951.5	6116.8	6328.9	6453.1	6472.2	6295.4	5979.2	5663.0	5543.6	5562.7
45°	6246.7	6281.1	6472.2	6718.6	6873.4	6923.1	6713.9	6384.3	6032.7	5916.2	5921.0
47.5°	6482.7	6527.6	6737.7	7028.2	7253.6	7330.0	7124.6	6778.8	6396.7	6255.3	6267.7
50°	6696.7	6720.6	6933.6	7250.7	7537.3	7695.0	7519.2	7168.6	6764.5	6614.5	6627.9
52.5°	6816.1	6846.7	7053.0	7383.5	7722.7	7976.8	7869.8	7519.2	7119.9	6973.7	6989.9
55°	6733.0	6755.9	7003.3	7413.1	7837.3	8150.6	8166.9	7862.1	7468.6	7340.5	7386.4
57.5°	6354.7	6383.3	6685.2	7222.1	7851.6	8268.1	8390.4	8180.3	7794.3	7690.2	7716.9
60°	5763.3	5781.5	6103.4	6707.2	7572.7	8316.9	8532.8	8440.1	8113.4	8009.3	8045.6
62.5°	4709.6	4736.4	5121.4	5930.5	6983.3	8172.6	8670.3	8655.0	8410.5	8315.0	8347.4
65°	3219.4	3266.2	3692.2	4715.4	6074.8	7731.3	8795.5	8905.3	8673.2	8552.8	8595.8
67.5°	1944.0	1978.4	2287.0	3113.3	4648.5	6840.9	8666.5	9190.0	8858.5	8664.6	8699.9
68°	1737.7	1769.2	2027.2	2809.5	4299.8	6589.7	8549.0	9222.5	8878.6	8662.7	8694.2
70°	1049.9	1070.9	1243.8	1736.7	2866.9	5227.4	7747.5	9195.7	9006.6	8689.4	8707.6
72.5°	684.0	690.7	719.3	891.3	1464.5	2923.2	5814.9	8569.1	9198.6	8845.1	8842.3
75°	568.4	564.6	567.4	587.5	722.2	1282.0	3398.0	6769.3	8768.7	8599.6	8539.5
77.5°	480.5	477.7	476.7	477.7	483.4	619.0	1475.0	4216.7	6710.0	7607.1	7660.6
80°	388.8	385.0	397.4	391.7	374.5	385.0	618.1	1753.9	3163.0	3402.8	3188.8
82.5°	282.8	268.4	321.9	306.7	292.3	271.3	341.0	566.5	754.7	517.8	364.0
85°	217.8	202.5	244.6	235.0	200.6	138.5	202.5	277.0	305.7	174.8	137.6
87.5°	88.8	93.6	176.7	139.5	117.5	66.9	83.1	110.8	149.0	74.5	57.3
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)