

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: P316710

Luminaire Tested: **GAN-SA6A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24044 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

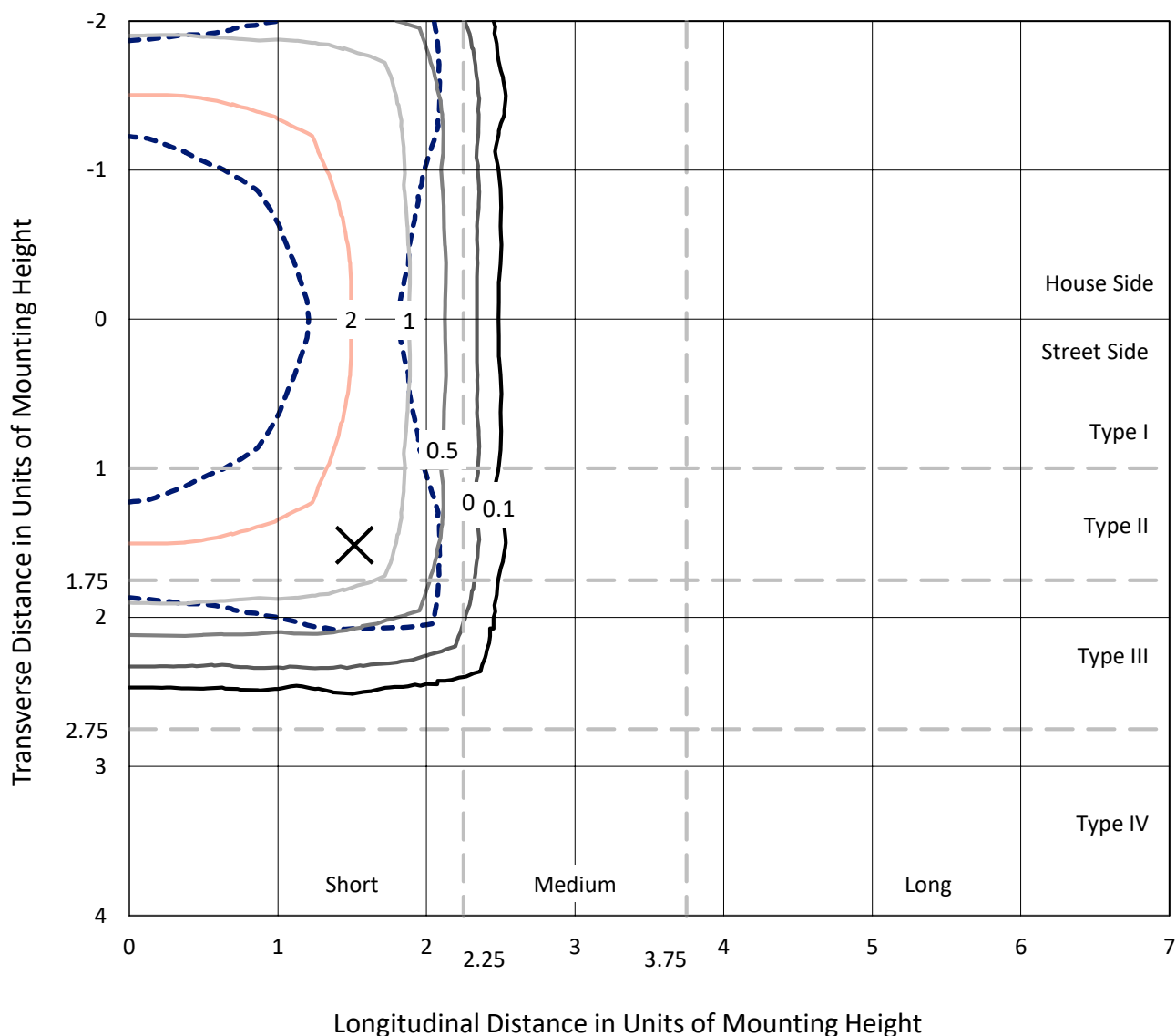
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

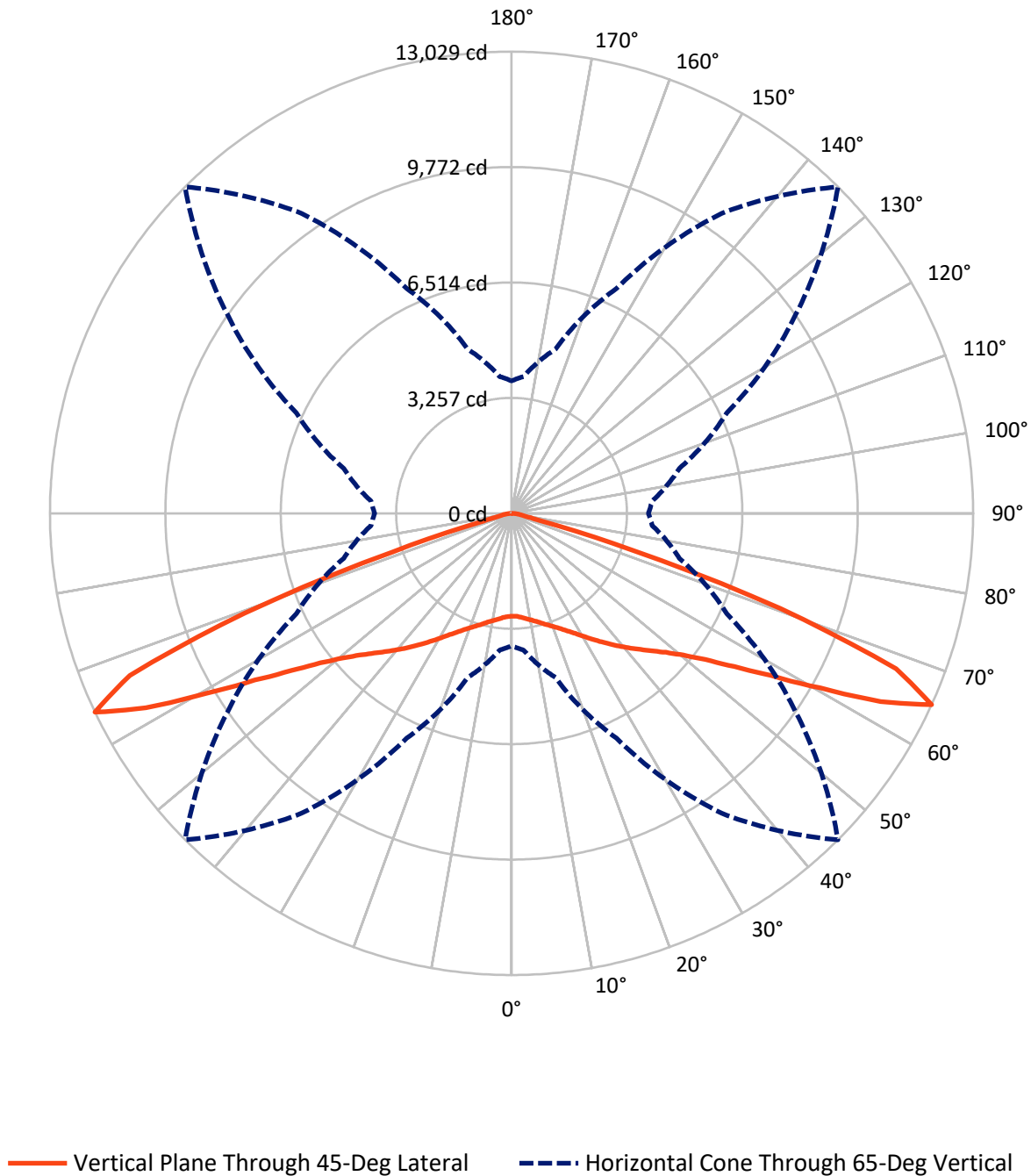
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12022.0	0.0	12022.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12022.0	0.0	12022.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24044.0	0.0	24044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	1.2
10°-20°	915.7	3.8
20°-30°	1718.0	7.1
30°-40°	2841.2	11.8
40°-50°	4400.7	18.3
50°-60°	6749.5	28.1
60°-70°	6298.0	26.2
70°-80°	733.0	3.0
80°-90°	103.0	0.4
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°	24044.0	100.0
0°-180°	24044.0	100.0

Coefficient of Utilization



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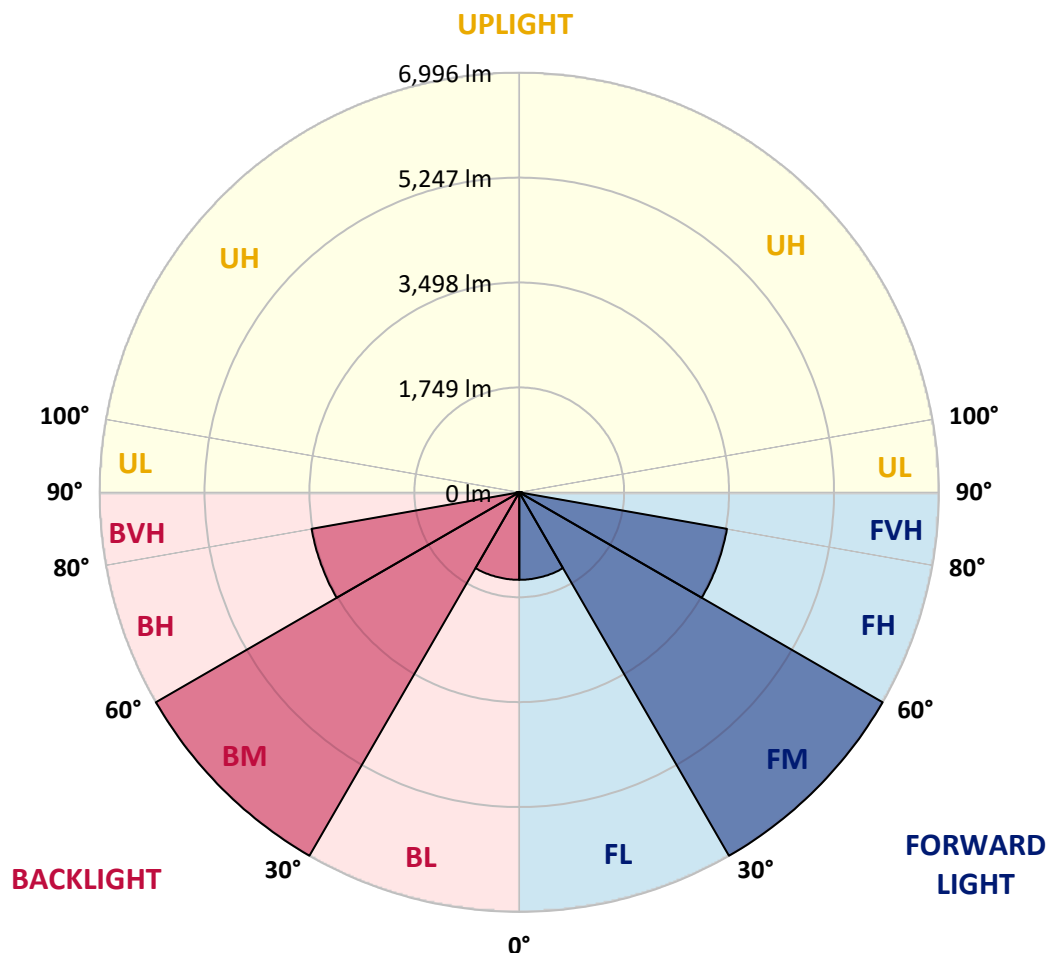
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1459.3	6.1			
FM	(30°-60°)	6995.7	29.1			
FH	(60°-80°)	3515.5	14.6			G2/5000
FVH	(80°-90°)	51.5	0.2			G1/100
BL	(0°-30°)	1459.3	6.1	B3/2500		
BM	(30°-60°)	6995.7	29.1	B4/8500		
BH	(60°-80°)	3515.5	14.6	B4/5000		G2/5000
BVH	(80°-90°)	51.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6
2.5°	2913.2	2911.6	2913.2	2914.0	2909.2	2911.6	2910.8	2914.8	2916.4	2914.8	2914.8
5°	2946.7	2944.3	2947.5	2951.5	2945.1	2946.7	2944.3	2949.1	2950.7	2947.5	2949.9
7.5°	2993.0	2993.8	2997.0	3004.2	3000.2	3003.4	2998.6	2999.4	2998.6	2993.8	2994.6
10°	3043.3	3044.1	3049.7	3059.3	3060.9	3060.9	3057.7	3055.3	3052.1	3048.9	3049.7
12.5°	3103.9	3107.9	3111.9	3123.9	3123.9	3130.3	3128.7	3122.3	3116.7	3111.9	3111.9
15°	3186.2	3185.4	3190.1	3202.1	3207.7	3218.1	3218.1	3209.3	3202.1	3197.3	3195.7
17.5°	3272.4	3274.8	3277.9	3292.3	3301.1	3313.1	3314.7	3307.5	3302.7	3296.3	3292.3
20°	3372.9	3376.9	3389.7	3395.3	3403.3	3414.4	3418.4	3416.8	3412.0	3408.8	3409.6
22.5°	3490.2	3500.6	3508.6	3516.6	3526.2	3534.1	3538.1	3543.7	3538.9	3536.5	3534.9
25°	3632.3	3639.5	3655.5	3669.8	3676.2	3678.6	3683.4	3691.4	3690.6	3685.0	3685.0
27.5°	3793.5	3807.1	3827.1	3847.8	3847.8	3839.8	3855.8	3869.4	3864.6	3857.4	3847.8
30°	3989.1	4001.9	4025.0	4053.7	4039.4	4033.8	4055.3	4080.1	4072.9	4060.9	4059.3
32.5°	4199.8	4211.8	4242.1	4273.2	4254.9	4246.9	4270.0	4305.9	4293.2	4269.2	4254.9
35°	4428.1	4440.0	4483.1	4520.6	4489.5	4475.9	4495.1	4534.2	4511.9	4467.2	4456.0
37.5°	4676.3	4682.7	4738.5	4776.8	4755.3	4719.4	4743.3	4772.1	4752.9	4698.6	4677.1
40°	4934.1	4957.2	5021.9	5066.6	5029.1	4972.4	5012.3	5052.2	5023.5	4954.0	4917.3
42.5°	5235.0	5252.5	5338.7	5378.6	5318.0	5238.2	5292.4	5346.7	5318.0	5250.9	5219.0
45°	5547.8	5575.0	5677.9	5717.8	5630.0	5528.7	5594.9	5689.9	5687.5	5590.9	5557.4
47.5°	5888.6	5915.8	6038.7	6091.4	5996.4	5860.7	5954.1	6088.2	6078.6	5972.4	5945.3
50°	6282.1	6310.9	6464.1	6530.3	6441.8	6283.7	6424.2	6542.3	6524.8	6393.9	6396.3
52.5°	6776.2	6774.6	6965.3	7080.3	6989.3	6849.6	6978.9	7093.8	7021.2	6840.0	6834.4
55°	7208.8	7235.1	7471.3	7689.2	7683.7	7630.2	7682.1	7686.8	7479.3	7238.3	7208.8
57.5°	7492.9	7543.2	7876.0	8270.3	8565.6	8636.6	8536.1	8231.2	7745.1	7359.6	7312.5
60°	7318.1	7394.7	7917.5	8721.2	9591.2	10008.6	9441.1	8495.4	7538.4	7001.2	6937.4
62.5°	6138.5	6267.8	7033.2	8503.3	10473.9	11694.3	10097.2	8071.5	6716.3	5976.4	5867.1
65°	3738.5	3874.9	4797.6	6998.9	10331.1	13028.8	9797.9	6699.6	4902.1	3981.9	3863.8
67.5°	1245.9	1285.8	1829.3	3868.6	8119.4	11706.3	8133.0	4010.6	2133.4	1414.3	1372.8
70°	487.7	491.7	580.2	1121.4	3834.2	8040.4	4230.9	1141.3	606.6	479.7	490.1
72.5°	358.4	360.0	384.7	468.5	999.3	3542.1	1035.2	470.9	374.3	336.0	336.0
75°	288.1	288.1	305.7	341.6	447.8	812.5	454.1	337.6	292.9	268.2	265.0
77.5°	227.5	232.3	245.8	269.0	303.3	391.1	314.5	267.4	236.2	213.1	208.3
80°	169.2	174.0	196.3	207.5	217.9	271.4	232.3	209.1	186.8	159.6	154.8
82.5°	110.9	115.7	143.7	150.0	147.7	177.2	156.4	154.0	137.3	103.0	98.2
85°	72.6	74.2	95.8	99.8	91.8	80.6	99.8	105.4	95.8	67.0	64.6
87.5°	34.3	34.3	48.7	45.5	41.5	33.5	45.5	53.5	54.3	32.7	31.9
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)