

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: P316470

Luminaire Tested: **GAN-SA6A-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29281 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

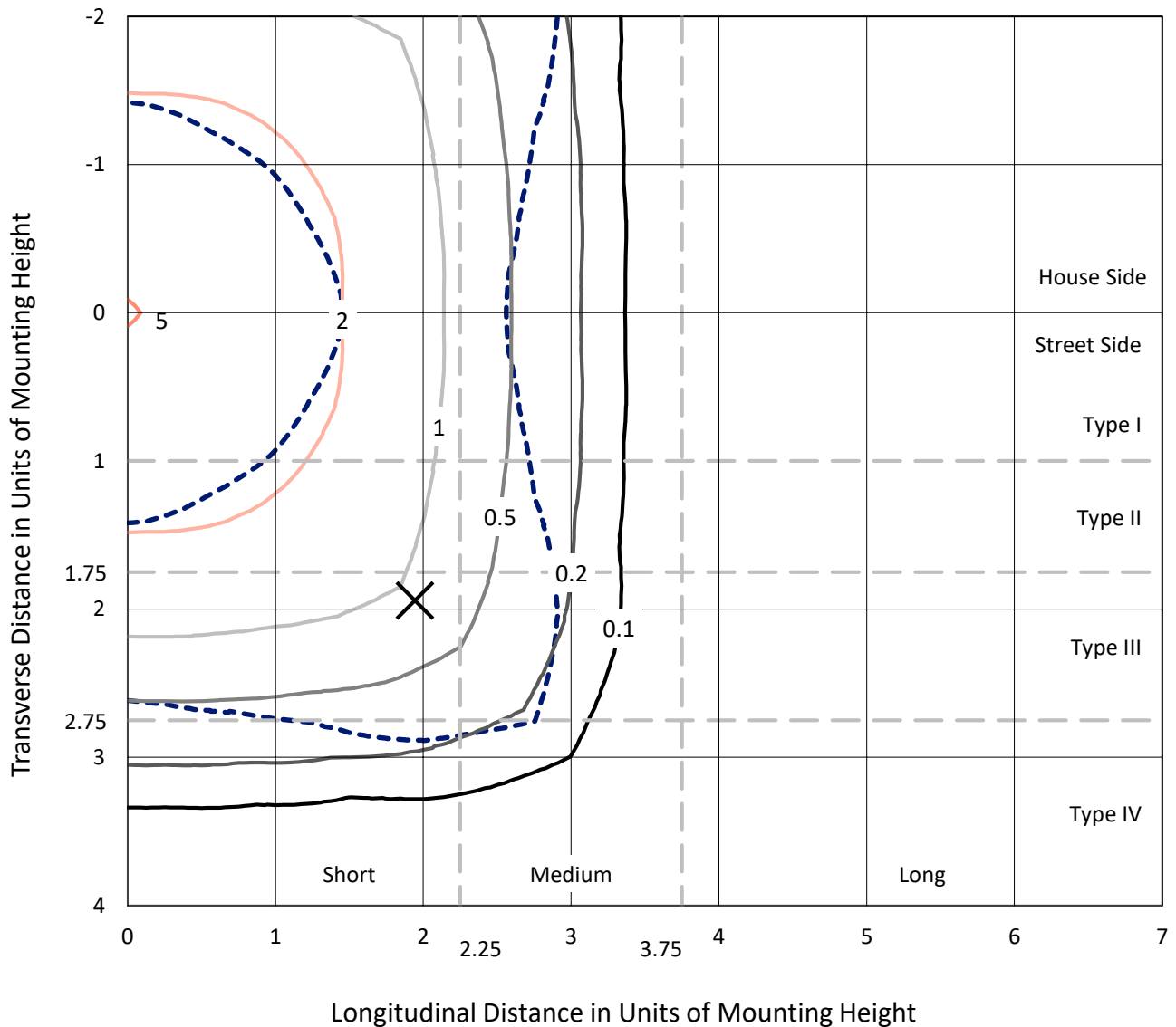
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

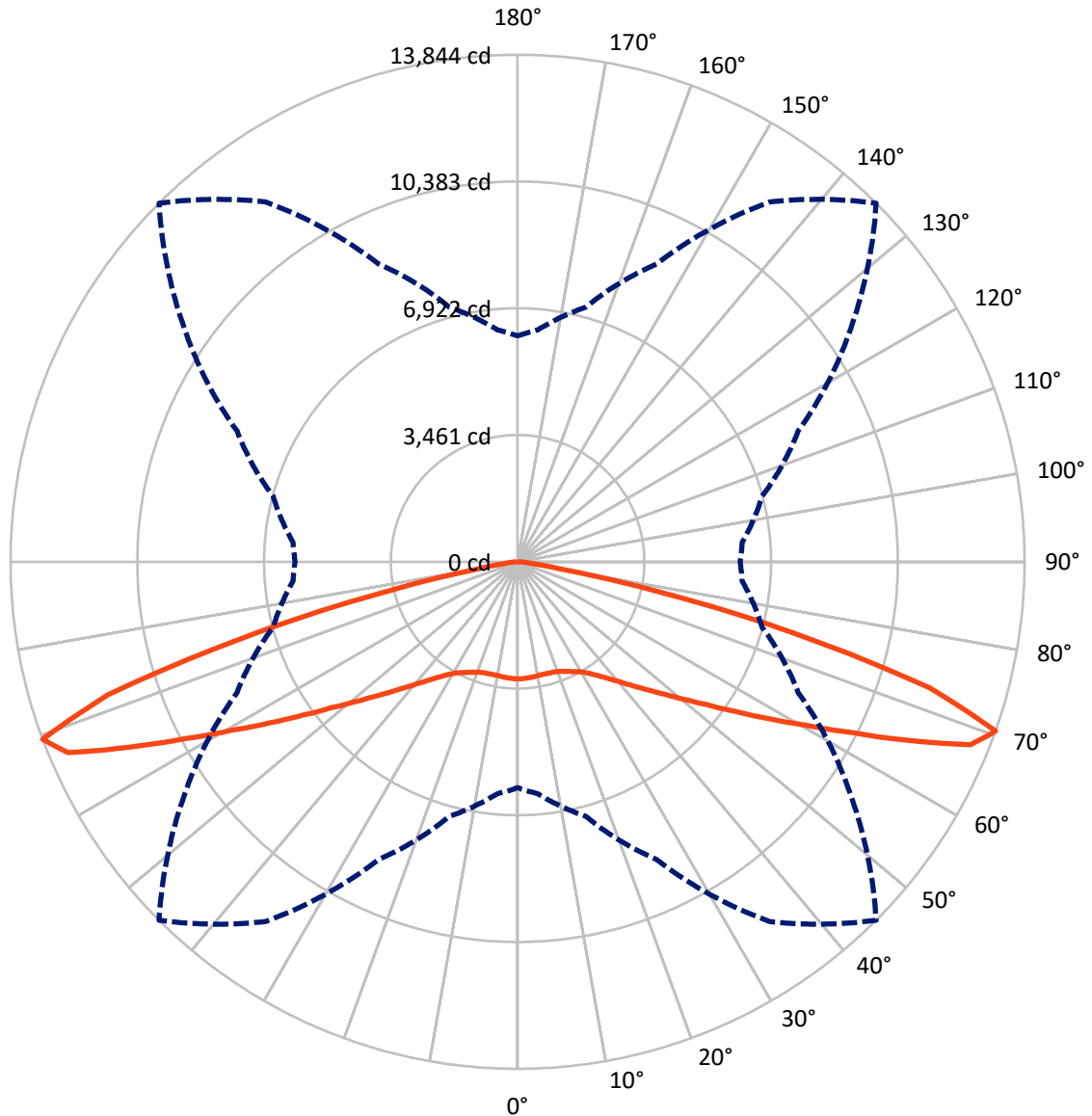
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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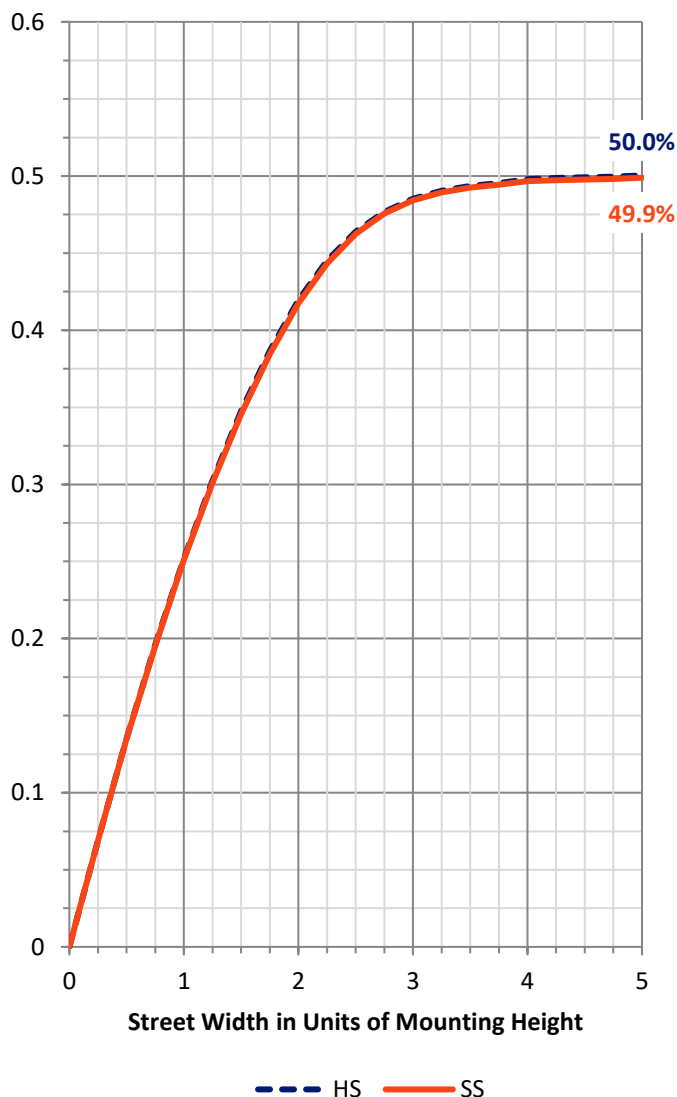
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14640.5	0.0	14640.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14640.5	0.0	14640.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29281.0	0.0	29281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	1.0
10°-20°	889.2	3.0
20°-30°	1513.7	5.2
30°-40°	2400.7	8.2
40°-50°	3906.6	13.3
50°-60°	6441.3	22.0
60°-70°	9456.0	32.3
70°-80°	4181.4	14.3
80°-90°	189.4	0.6
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°	29281.0	100.0
0°-180°	29281.0	100.0

Coefficient of Utilization



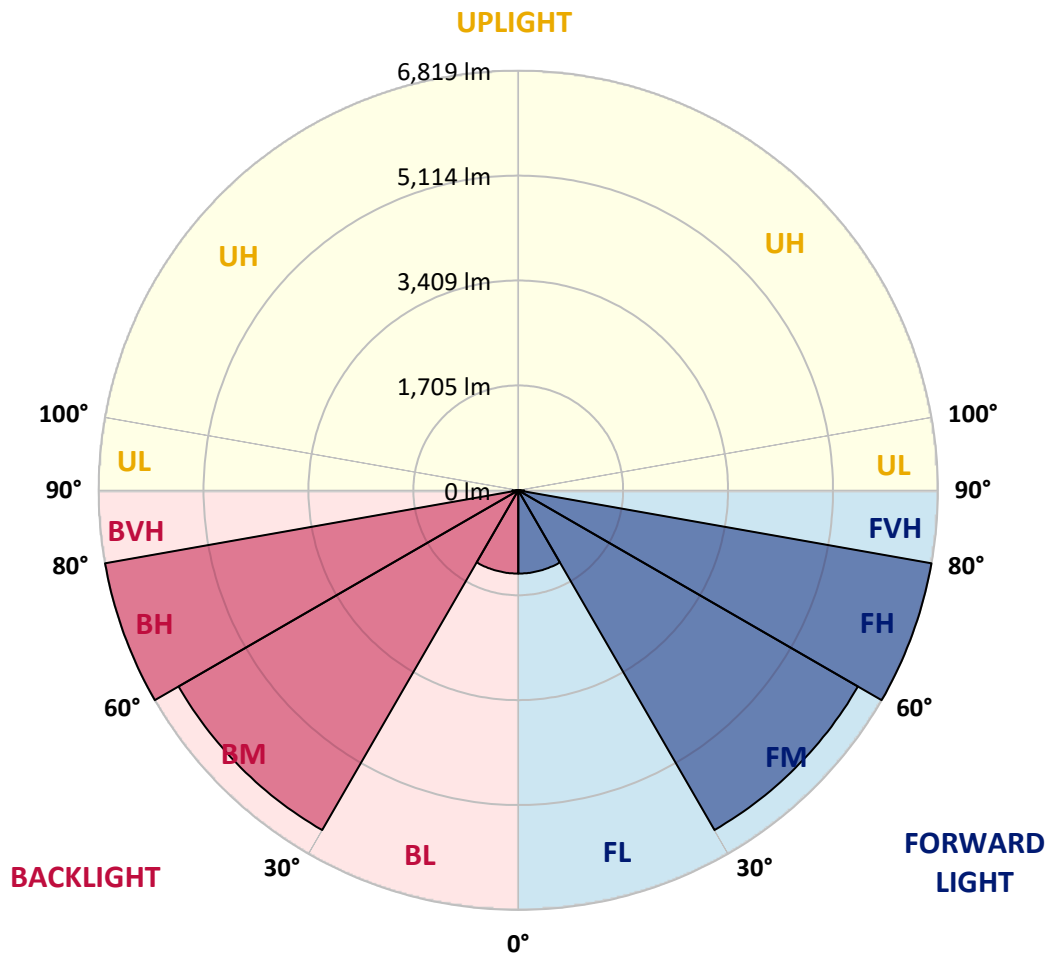
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.9	4.6			
FM (30°-60°)	6374.3	21.8			
FH (60°-80°)	6818.7	23.3			G3/7500
FVH (80°-90°)	94.7	0.3			G1/100
BL (0°-30°)	1352.9	4.6	B3/2500		
BM (30°-60°)	6374.3	21.8	B4/8500		
BH (60°-80°)	6818.7	23.3	B5		G3/7500
BVH (80°-90°)	94.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9	3197.9
2.5°	3193.1	3190.2	3197.0	3196.0	3190.2	3191.2	3191.2	3194.1	3194.1	3192.1	3192.1
5°	3181.5	3179.5	3187.3	3187.3	3181.5	3183.4	3185.3	3188.3	3187.3	3185.3	3184.4
7.5°	3166.9	3166.0	3173.7	3173.7	3169.8	3171.8	3169.8	3170.8	3168.9	3166.9	3164.0
10°	3142.7	3144.6	3151.4	3153.4	3153.4	3154.3	3152.4	3147.5	3144.6	3141.7	3138.8
12.5°	3120.4	3119.4	3129.1	3134.0	3141.7	3150.5	3144.6	3131.1	3125.3	3119.4	3117.5
15°	3105.9	3106.8	3116.5	3125.3	3138.8	3157.2	3150.5	3129.1	3117.5	3110.7	3108.8
17.5°	3103.0	3104.9	3117.5	3133.0	3147.5	3167.9	3164.0	3142.7	3123.3	3110.7	3107.8
20°	3109.8	3110.7	3130.1	3152.4	3177.6	3197.0	3188.3	3165.0	3138.8	3119.4	3114.6
22.5°	3122.4	3126.2	3150.5	3185.3	3224.1	3250.3	3239.6	3199.9	3159.2	3135.0	3128.2
25°	3162.1	3163.1	3196.0	3243.5	3290.0	3320.0	3307.4	3251.2	3198.9	3171.8	3163.1
27.5°	3244.5	3247.4	3280.3	3335.5	3375.3	3394.7	3386.9	3341.4	3296.8	3267.7	3270.6
30°	3363.7	3367.5	3404.4	3465.4	3489.6	3494.5	3492.5	3471.2	3430.5	3391.8	3394.7
32.5°	3509.0	3511.0	3560.4	3615.6	3635.0	3638.9	3635.0	3615.6	3567.2	3514.8	3517.7
35°	3696.0	3701.9	3749.3	3802.6	3818.1	3825.9	3819.1	3793.9	3743.5	3692.2	3690.2
37.5°	3926.7	3927.7	3977.1	4032.3	4051.7	4053.6	4045.9	4029.4	3966.4	3919.9	3917.0
40°	4194.1	4198.0	4256.2	4315.3	4323.0	4314.3	4325.0	4315.3	4250.4	4197.1	4205.8
42.5°	4519.8	4528.5	4598.3	4656.4	4634.1	4629.3	4636.0	4639.0	4586.6	4521.7	4515.9
45°	4898.7	4906.4	4993.6	5040.1	5025.6	4993.6	5007.2	5030.5	4957.8	4877.3	4885.1
47.5°	5330.9	5350.3	5443.3	5486.9	5451.0	5407.4	5433.6	5468.5	5383.2	5283.4	5278.5
50°	5811.5	5835.8	5959.8	6020.9	5985.0	5904.6	5948.2	5971.4	5848.4	5719.5	5708.8
52.5°	6324.2	6348.4	6504.4	6630.4	6607.1	6482.1	6543.2	6519.0	6377.5	6204.0	6190.4
55°	6904.6	6914.3	7083.0	7286.5	7309.7	7217.7	7213.8	7174.0	6964.7	6764.1	6754.4
57.5°	7501.6	7508.4	7726.4	7966.7	8076.3	8076.3	7967.7	7883.4	7605.3	7372.7	7348.5
60°	8146.0	8170.3	8411.6	8738.1	8994.0	9069.6	8877.7	8648.0	8345.7	8061.7	8033.6
62.5°	8719.7	8747.8	9117.0	9603.5	10014.4	10289.6	9820.6	9446.5	8896.1	8440.6	8387.3
65°	8792.4	8868.0	9405.8	10286.7	11206.4	11755.8	10856.5	9934.9	8931.9	8299.1	8244.9
67.5°	8029.7	8157.7	8884.5	10255.7	12156.1	13335.4	11518.4	9655.8	8288.5	7588.8	7528.7
70°	6170.1	6356.1	7194.4	8970.7	11992.3	13844.2	11103.6	8453.2	6910.5	6157.5	6073.2
72.5°	3385.0	3461.5	4215.5	6143.0	9614.2	11764.5	9261.4	6250.5	4582.7	3729.0	3587.5
75°	1073.7	1100.9	1484.6	2513.8	5438.4	7792.3	5883.2	3068.1	1689.1	1245.3	1230.7
77.5°	476.8	479.7	536.9	733.6	1873.2	3948.0	2250.2	835.3	575.6	502.9	519.4
80°	301.4	301.4	332.4	363.4	509.7	1146.4	608.6	397.3	339.2	314.9	321.7
82.5°	144.4	159.9	216.1	232.6	280.1	385.7	312.0	259.7	226.8	168.6	157.0
85°	95.0	79.5	136.6	154.1	162.8	185.1	181.2	171.5	148.3	84.3	94.0
87.5°	42.6	40.7	70.7	64.9	61.1	46.5	69.8	86.2	83.3	41.7	41.7
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)