

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: P316550

Luminaire Tested: **GAN-SA6A-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316550
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-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 29280 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

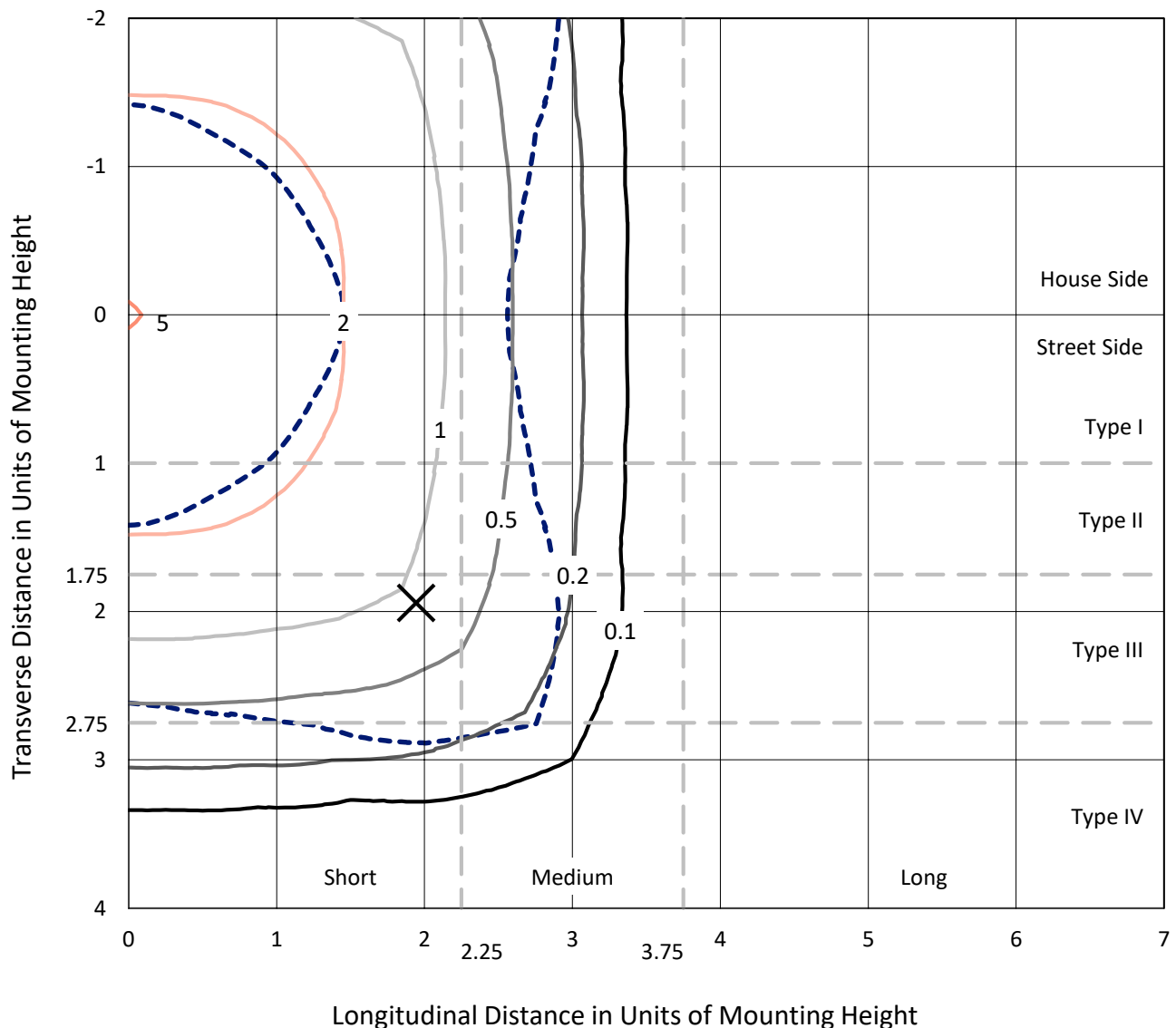
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316550
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Iso-Footcandle Lines of Horizontal Illumination

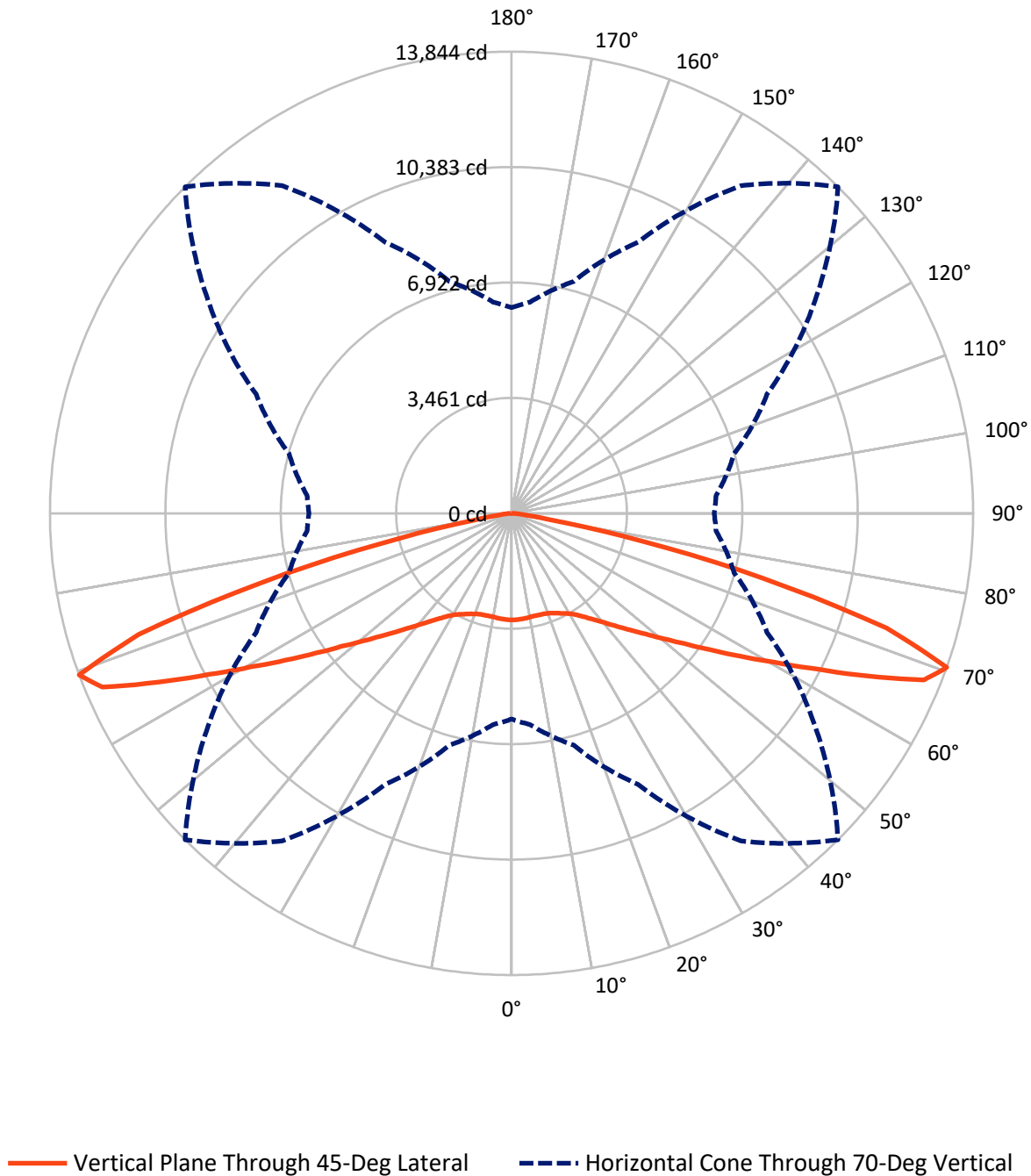
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P316550
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14640.0	0.0	14640.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14640.0	0.0	14640.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29280.0	0.0	29280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	1.0
10°-20°	889.1	3.0
20°-30°	1513.6	5.2
30°-40°	2400.6	8.2
40°-50°	3906.5	13.3
50°-60°	6441.1	22.0
60°-70°	9455.7	32.3
70°-80°	4181.3	14.3
80°-90°	189.3	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°	29280.0	100.0
0°-180°	29280.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316550

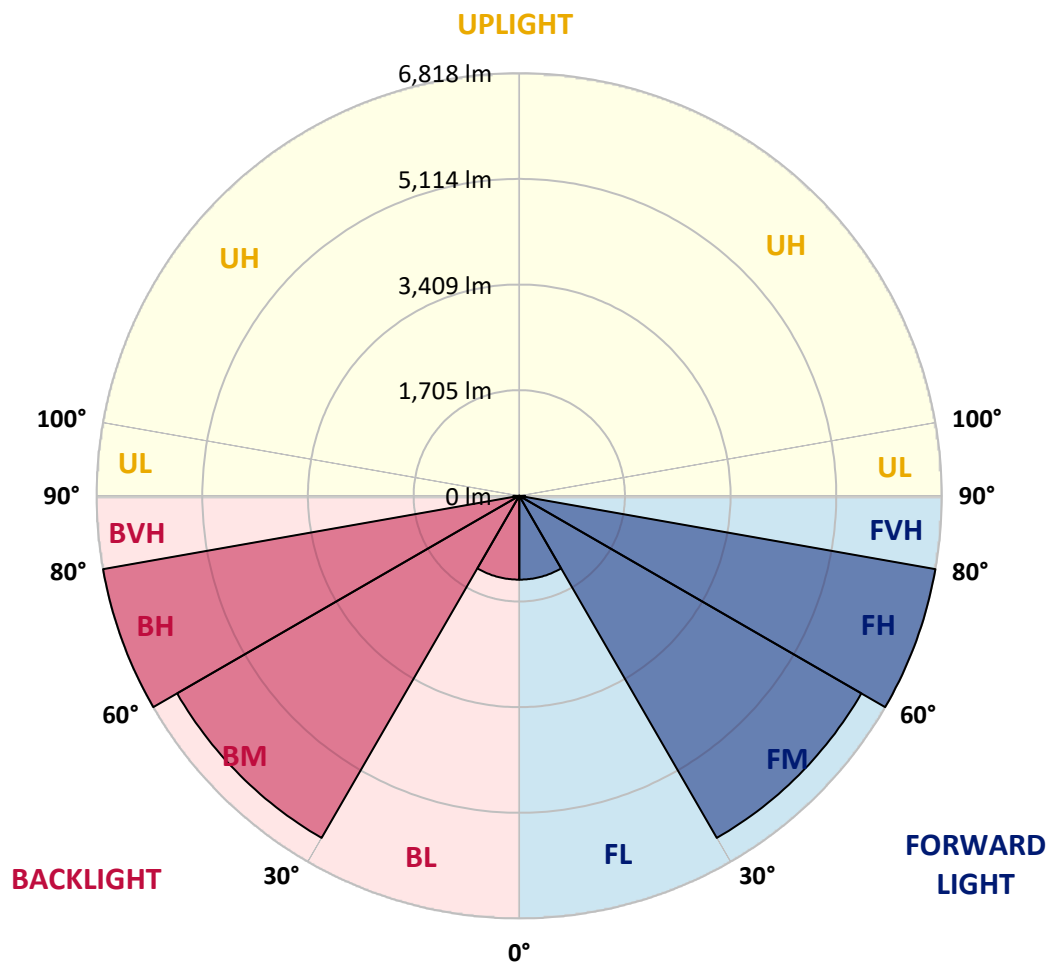
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1352.8	4.6			
FM	(30°-60°)	6374.0	21.8			
FH	(60°-80°)	6818.5	23.3			G3/7500
FVH	(80°-90°)	94.7	0.3			G1/100
BL	(0°-30°)	1352.8	4.6	B3/2500		
BM	(30°-60°)	6374.0	21.8	B4/8500		
BH	(60°-80°)	6818.5	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°	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8
2.5°	3193.0	3190.1	3196.9	3195.9	3190.1	3191.0	3191.0	3194.0	3194.0	3192.0	3192.0
5°	3181.4	3179.4	3187.2	3187.2	3181.4	3183.3	3185.2	3188.1	3187.2	3185.2	3184.3
7.5°	3166.8	3165.9	3173.6	3173.6	3169.7	3171.7	3169.7	3170.7	3168.8	3166.8	3163.9
10°	3142.6	3144.5	3151.3	3153.3	3153.3	3154.2	3152.3	3147.4	3144.5	3141.6	3138.7
12.5°	3120.3	3119.3	3129.0	3133.9	3141.6	3150.3	3144.5	3131.0	3125.2	3119.3	3117.4
15°	3105.8	3106.7	3116.4	3125.2	3138.7	3157.1	3150.3	3129.0	3117.4	3110.6	3108.7
17.5°	3102.9	3104.8	3117.4	3132.9	3147.4	3167.8	3163.9	3142.6	3123.2	3110.6	3107.7
20°	3109.6	3110.6	3130.0	3152.3	3177.5	3196.9	3188.1	3164.9	3138.7	3119.3	3114.5
22.5°	3122.2	3126.1	3150.3	3185.2	3224.0	3250.2	3239.5	3199.8	3159.1	3134.8	3128.1
25°	3162.0	3162.9	3195.9	3243.4	3289.9	3319.9	3307.3	3251.1	3198.8	3171.7	3162.9
27.5°	3244.3	3247.3	3280.2	3335.4	3375.2	3394.5	3386.8	3341.2	3296.7	3267.6	3270.5
30°	3363.5	3367.4	3404.2	3465.3	3489.5	3494.4	3492.4	3471.1	3430.4	3391.6	3394.5
32.5°	3508.9	3510.8	3560.3	3615.5	3634.9	3638.7	3634.9	3615.5	3567.0	3514.7	3517.6
35°	3695.9	3701.7	3749.2	3802.5	3818.0	3825.8	3819.0	3793.8	3743.4	3692.0	3690.1
37.5°	3926.5	3927.5	3976.9	4032.2	4051.6	4053.5	4045.7	4029.3	3966.3	3919.8	3916.9
40°	4194.0	4197.9	4256.0	4315.1	4322.9	4314.2	4324.8	4315.1	4250.2	4196.9	4205.6
42.5°	4519.6	4528.3	4598.1	4656.2	4633.9	4629.1	4635.9	4638.8	4586.5	4521.5	4515.7
45°	4898.5	4906.2	4993.5	5040.0	5025.4	4993.5	5007.0	5030.3	4957.6	4877.2	4884.9
47.5°	5330.7	5350.1	5443.1	5486.7	5450.8	5407.2	5433.4	5468.3	5383.0	5283.2	5278.4
50°	5811.3	5835.6	5959.6	6020.6	5984.8	5904.4	5948.0	5971.2	5848.2	5719.3	5708.6
52.5°	6324.0	6348.2	6504.2	6630.2	6606.9	6481.9	6543.0	6518.7	6377.3	6203.8	6190.2
55°	6904.4	6914.1	7082.7	7286.2	7309.5	7217.4	7213.5	7173.8	6964.5	6763.9	6754.2
57.5°	7501.3	7508.1	7726.2	7966.5	8076.0	8076.0	7967.4	7883.1	7605.0	7372.5	7348.2
60°	8145.7	8170.0	8411.3	8737.8	8993.7	9069.2	8877.4	8647.7	8345.4	8061.4	8033.3
62.5°	8719.4	8747.5	9116.7	9603.2	10014.1	10289.3	9820.3	9446.2	8895.8	8440.3	8387.0
65°	8792.1	8867.7	9405.5	10286.4	11206.0	11755.4	10856.2	9934.6	8931.6	8298.9	8244.6
67.5°	8029.5	8157.4	8884.2	10255.3	12155.6	13335.0	11518.0	9655.5	8288.2	7588.6	7528.5
70°	6169.9	6355.9	7194.2	8970.4	11991.9	13843.7	11103.3	8452.9	6910.2	6157.3	6073.0
72.5°	3384.9	3461.4	4215.3	6142.7	9613.8	11764.1	9261.1	6250.3	4582.6	3728.9	3587.4
75°	1073.7	1100.8	1484.6	2513.7	5438.3	7792.0	5883.0	3068.0	1689.0	1245.2	1230.7
77.5°	476.8	479.7	536.8	733.6	1873.2	3947.9	2250.1	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	61.0	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)