

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: P316479

Luminaire Tested: **GAN-SA5B-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316479
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-SA5B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30004 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

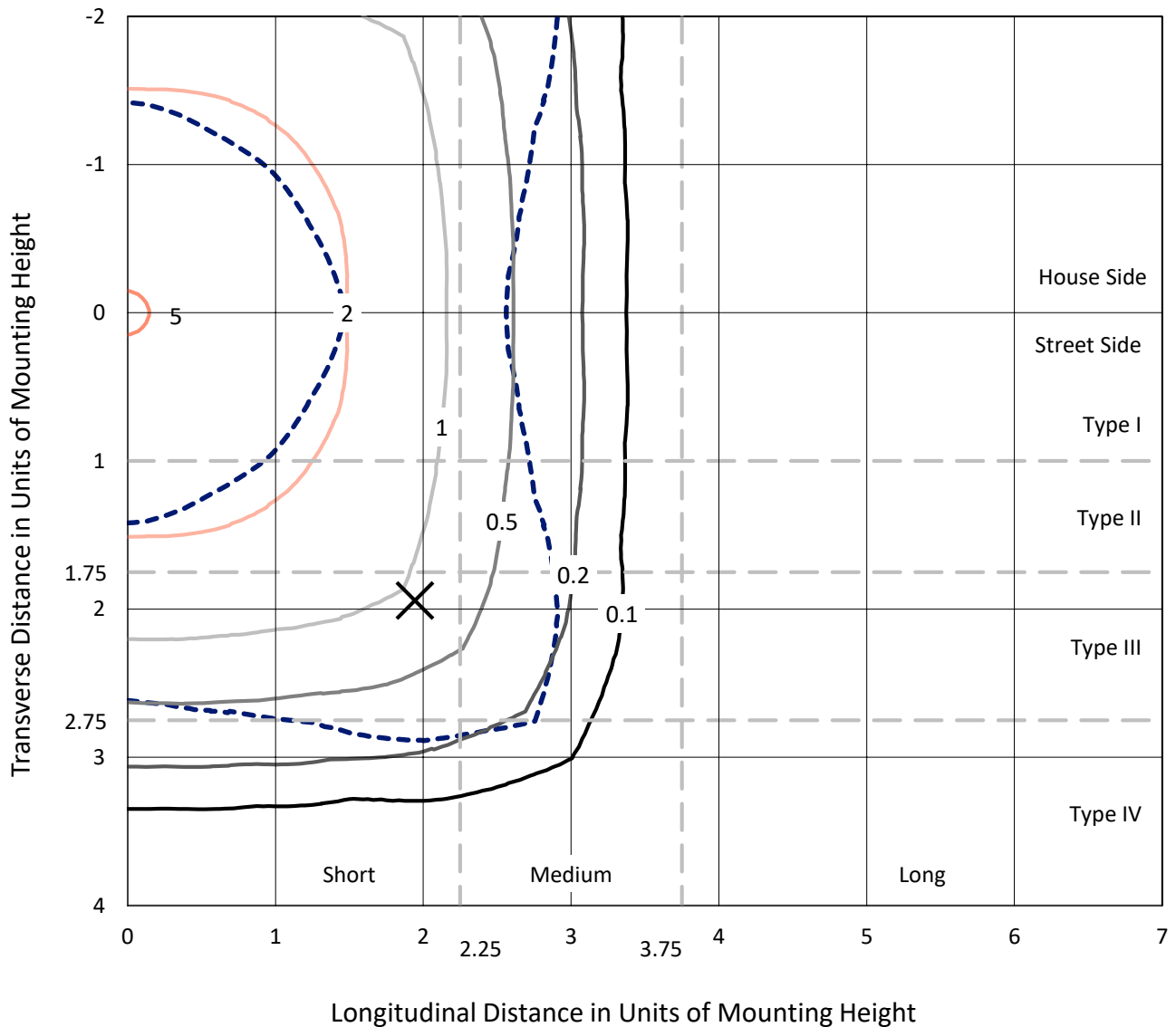
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

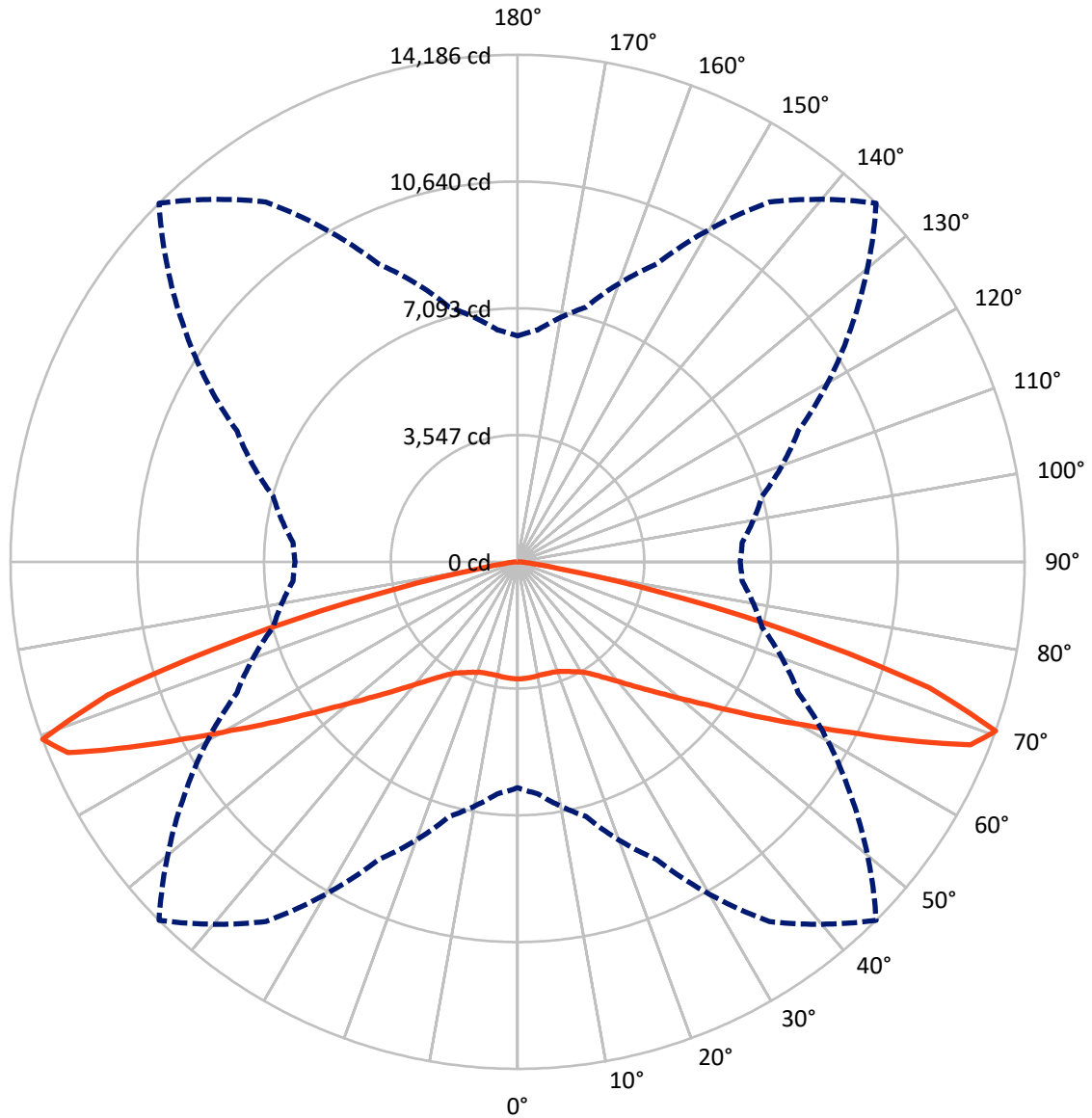
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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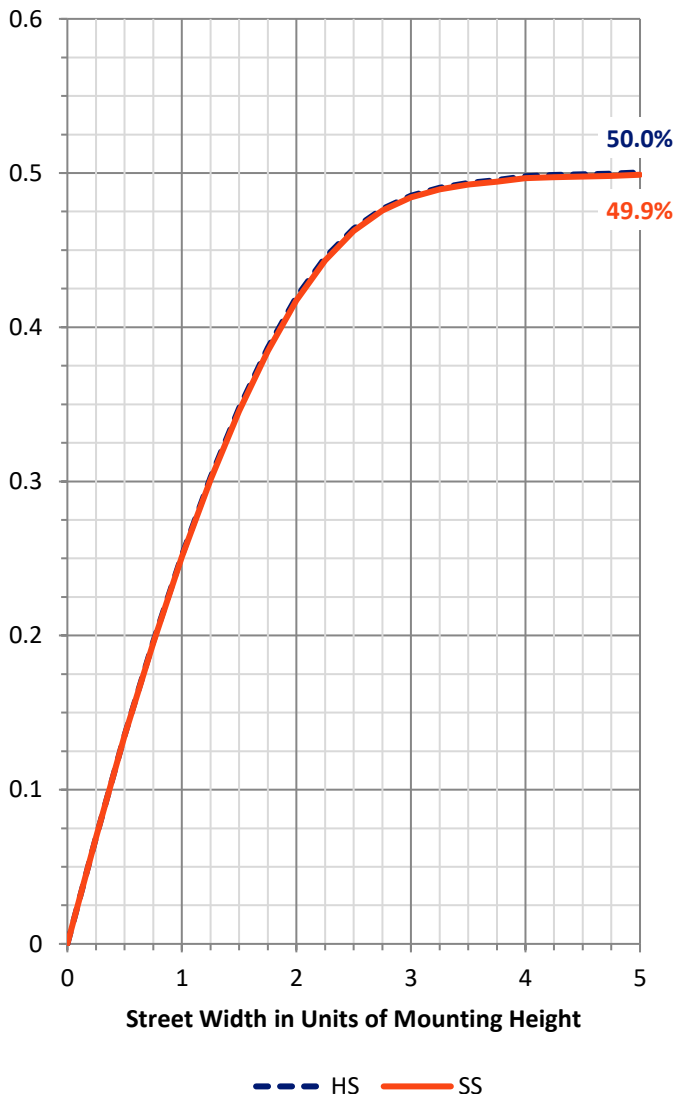
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15002.0	0.0	15002.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15002.0	0.0	15002.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30004.0	0.0	30004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	1.0
10°-20°	911.1	3.0
20°-30°	1551.0	5.2
30°-40°	2459.9	8.2
40°-50°	4003.1	13.3
50°-60°	6600.3	22.0
60°-70°	9689.5	32.3
70°-80°	4284.7	14.3
80°-90°	194.0	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°	30004.0	100.0
0°-180°	30004.0	100.0

Coefficient of Utilization



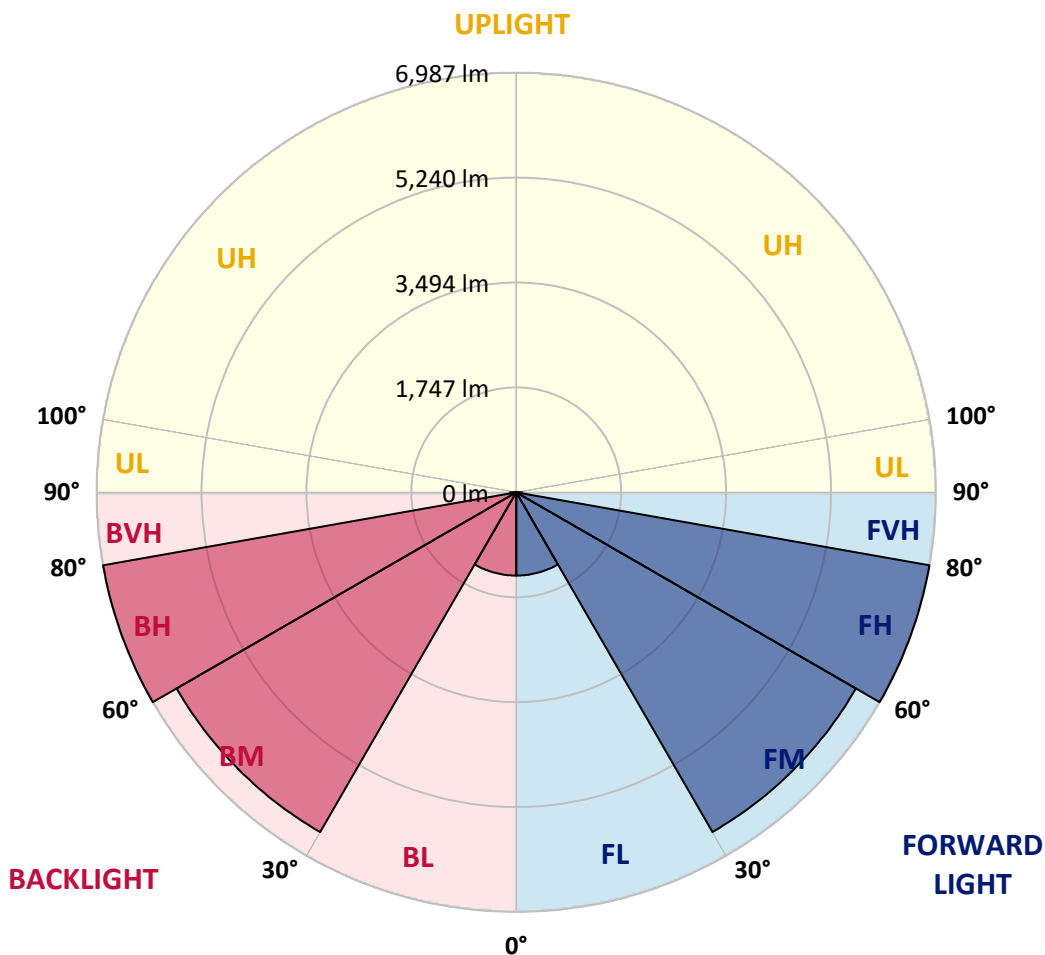
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.3	4.6			
FM (30°-60°)	6531.7	21.8			
FH (60°-80°)	6987.1	23.3			G3/7500
FVH (80°-90°)	97.0	0.3			G1/100
BL (0°-30°)	1386.3	4.6	B3/2500		
BM (30°-60°)	6531.7	21.8	B4/8500		
BH (60°-80°)	6987.1	23.3	B5		G3/7500
BVH (80°-90°)	97.0	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°	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9	3276.9
2.5°	3271.9	3269.0	3275.9	3274.9	3269.0	3270.0	3270.0	3272.9	3272.9	3270.9	3270.9
5°	3260.0	3258.0	3266.0	3266.0	3260.0	3262.0	3264.0	3267.0	3266.0	3264.0	3263.0
7.5°	3245.1	3244.1	3252.1	3252.1	3248.1	3250.1	3248.1	3249.1	3247.1	3245.1	3242.1
10°	3220.3	3222.3	3229.2	3231.2	3231.2	3232.2	3230.2	3225.3	3222.3	3219.3	3216.3
12.5°	3197.5	3196.5	3206.4	3211.4	3219.3	3228.2	3222.3	3208.4	3202.4	3196.5	3194.5
15°	3182.6	3183.6	3193.5	3202.4	3216.3	3235.2	3228.2	3206.4	3194.5	3187.5	3185.5
17.5°	3179.6	3181.6	3194.5	3210.4	3225.3	3246.1	3242.1	3220.3	3200.4	3187.5	3184.6
20°	3186.5	3187.5	3207.4	3230.2	3256.1	3275.9	3267.0	3243.1	3216.3	3196.5	3191.5
22.5°	3199.4	3203.4	3228.2	3264.0	3303.7	3330.5	3319.6	3278.9	3237.2	3212.4	3205.4
25°	3240.2	3241.2	3274.9	3323.6	3371.2	3402.0	3389.1	3331.5	3277.9	3250.1	3241.2
27.5°	3324.6	3327.5	3361.3	3417.9	3458.6	3478.5	3470.5	3423.9	3378.2	3348.4	3351.4
30°	3446.7	3450.7	3488.4	3551.0	3575.8	3580.8	3578.8	3556.9	3515.2	3475.5	3478.5
32.5°	3595.7	3597.6	3648.3	3704.9	3724.7	3728.7	3724.7	3704.9	3655.2	3601.6	3604.6
35°	3787.3	3793.3	3841.9	3896.5	3912.4	3920.4	3913.4	3887.6	3836.0	3783.3	3781.3
37.5°	4023.6	4024.6	4075.3	4131.9	4151.7	4153.7	4145.8	4128.9	4064.4	4016.7	4013.7
40°	4297.7	4301.7	4361.3	4421.8	4429.8	4420.8	4431.8	4421.8	4355.3	4300.7	4309.6
42.5°	4631.4	4640.3	4711.8	4771.4	4748.5	4743.6	4750.5	4753.5	4699.9	4633.3	4627.4
45°	5019.6	5027.6	5116.9	5164.6	5149.7	5116.9	5130.8	5154.7	5080.2	4997.8	5005.7
47.5°	5462.5	5482.4	5577.7	5622.4	5585.6	5540.9	5567.8	5603.5	5516.1	5413.8	5408.9
50°	5955.0	5979.9	6107.0	6169.5	6132.8	6050.4	6095.0	6118.9	5992.8	5860.7	5849.8
52.5°	6480.3	6505.2	6665.0	6794.1	6770.3	6642.2	6704.7	6679.9	6534.9	6357.2	6343.3
55°	7075.1	7085.1	7257.8	7466.4	7490.2	7395.9	7391.9	7351.2	7136.7	6931.1	6921.2
57.5°	7686.8	7693.8	7917.2	8163.5	8275.7	8275.7	8164.5	8078.1	7793.1	7554.8	7529.9
60°	8347.2	8372.0	8619.2	8953.9	9216.0	9293.5	9096.9	8861.5	8551.7	8260.8	8232.0
62.5°	8935.0	8963.8	9342.2	9840.6	10261.7	10543.7	10063.1	9679.8	9115.8	8649.0	8594.4
65°	9009.5	9087.0	9638.1	10540.7	11483.1	12046.1	11124.6	10180.2	9152.5	8504.1	8448.5
67.5°	8228.0	8359.1	9103.8	10508.9	12456.2	13664.7	11802.8	9894.3	8493.1	7776.2	7714.6
70°	6322.4	6513.1	7372.0	9192.2	12288.4	14186.0	11377.8	8661.9	7081.1	6309.5	6223.1
72.5°	3468.6	3547.0	4319.6	6294.6	9851.6	12055.0	9490.1	6404.9	4695.9	3821.1	3676.1
75°	1100.2	1128.0	1521.3	2575.8	5572.7	7984.7	6028.5	3143.8	1730.8	1276.0	1261.1
77.5°	488.6	491.5	550.1	751.7	1919.5	4045.5	2305.7	856.0	589.8	515.4	532.2
80°	308.8	308.8	340.6	372.4	522.3	1174.7	623.6	407.1	347.6	322.7	329.7
82.5°	148.0	163.8	221.4	238.3	287.0	395.2	319.7	266.1	232.4	172.8	160.9
85°	97.3	81.4	140.0	157.9	166.8	189.7	185.7	175.8	151.9	86.4	96.3
87.5°	43.7	41.7	72.5	66.5	62.6	47.7	71.5	88.4	85.4	42.7	42.7
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)