

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: P316154

Luminaire Tested: **GAN-SA0A-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48586 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

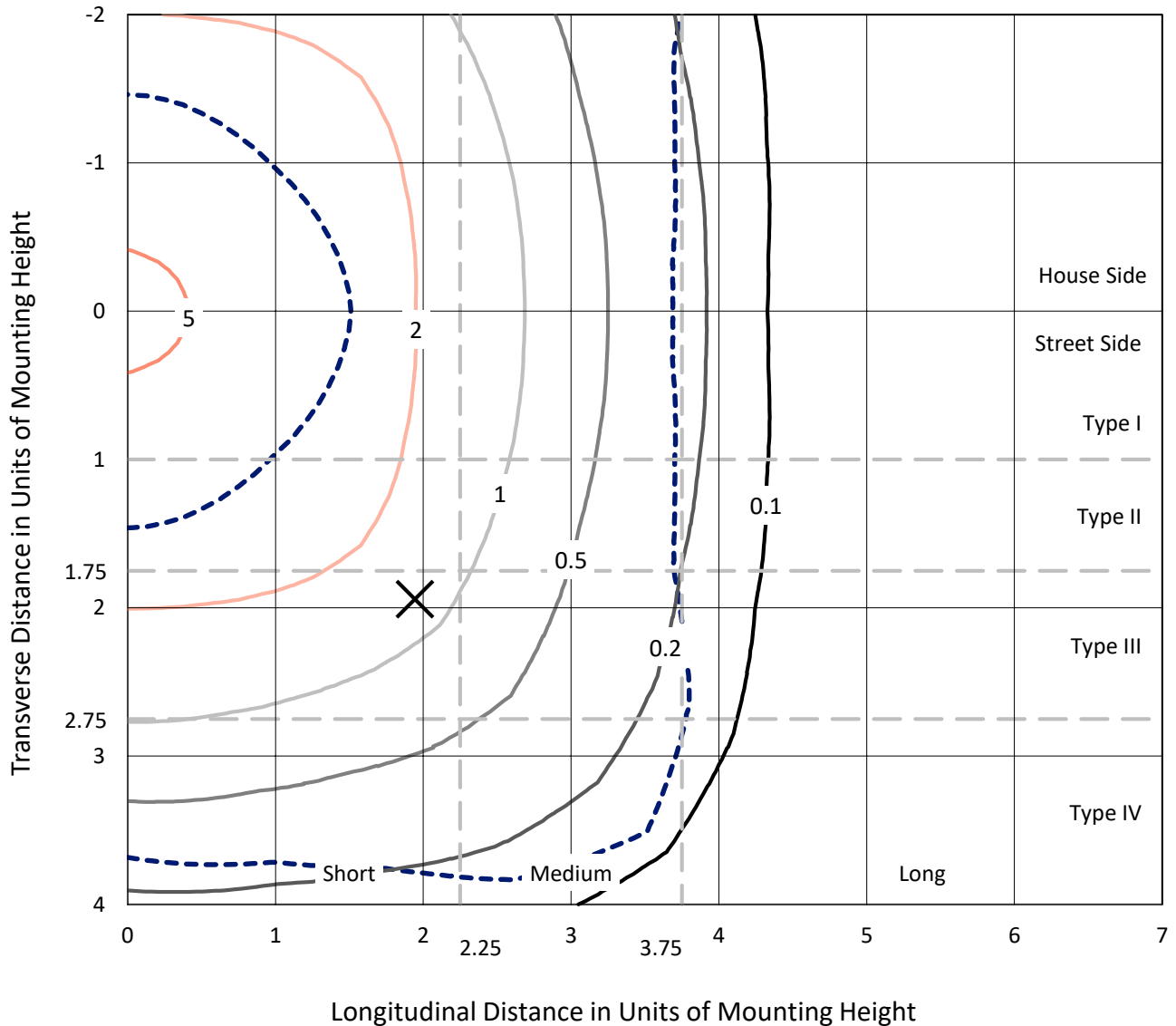
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

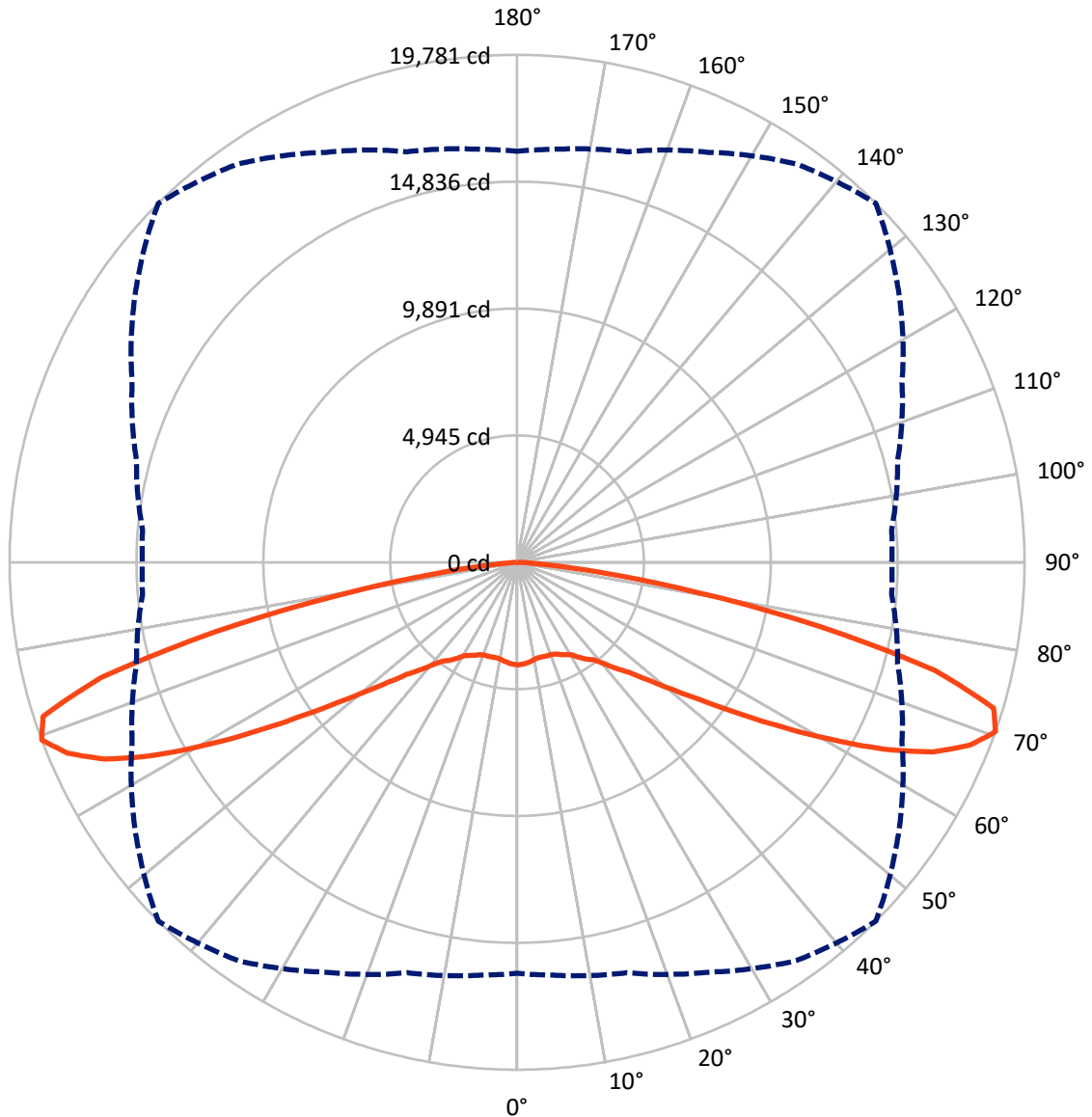
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	24293.0	0.0	24293.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24293.0	0.0	24293.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48586.0	0.0	48586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	0.8
10°-20°	1090.1	2.2
20°-30°	1858.7	3.8
30°-40°	2904.2	6.0
40°-50°	4922.0	10.1
50°-60°	8975.6	18.5
60°-70°	15452.1	31.8
70°-80°	12112.0	24.9
80°-90°	898.1	1.8
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°	48586.0	100.0
0°-180°	48586.0	100.0

Coefficient of Utilization



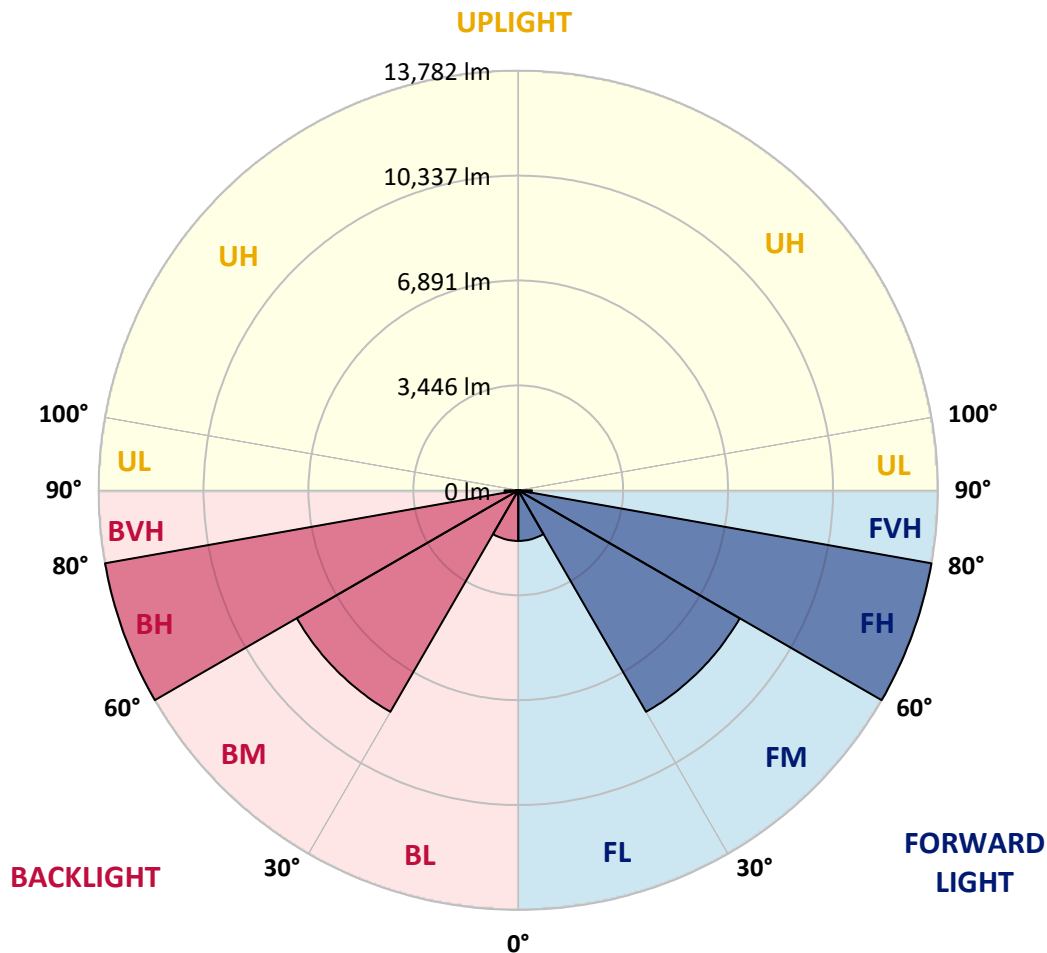
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.0	3.4			
FM (30°-60°)	8400.9	17.3			
FH (60°-80°)	13782.0	28.4			G5
FVH (80°-90°)	449.0	0.9			G3/500
BL (0°-30°)	1661.0	3.4	B3/2500		
BM (30°-60°)	8400.9	17.3	B4/8500		
BH (60°-80°)	13782.0	28.4	B5		G5
BVH (80°-90°)	449.0	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6	3998.6
2.5°	3981.0	3985.8	3981.0	3984.2	3976.1	3979.3	3979.3	3979.3	3977.7	3979.3	3976.1
5°	3945.6	3948.8	3942.4	3945.6	3940.8	3945.6	3947.2	3945.6	3942.4	3944.0	3937.6
7.5°	3892.6	3895.8	3891.0	3895.8	3889.3	3897.4	3895.8	3891.0	3886.1	3886.1	3879.7
10°	3863.6	3865.2	3852.4	3847.6	3833.1	3836.3	3841.1	3846.0	3850.8	3860.4	3858.8
12.5°	3865.2	3865.2	3846.0	3825.1	3804.2	3809.0	3817.0	3834.7	3854.0	3871.7	3873.3
15°	3881.3	3879.7	3850.8	3817.0	3802.6	3817.0	3821.8	3833.1	3863.6	3894.2	3895.8
17.5°	3892.6	3892.6	3847.6	3809.0	3807.4	3829.9	3828.3	3833.1	3866.8	3911.8	3913.5
20°	3913.5	3913.5	3855.6	3813.8	3813.8	3837.9	3839.5	3847.6	3881.3	3931.1	3939.2
22.5°	3960.1	3961.7	3900.6	3866.8	3870.1	3884.5	3889.3	3902.2	3932.7	3987.4	3997.0
25°	4026.0	4029.2	3966.5	3947.2	3958.5	3985.8	3982.6	3992.2	4026.0	4079.0	4088.6
27.5°	4117.6	4109.5	4051.7	4043.6	4054.9	4074.2	4072.6	4074.2	4101.5	4149.7	4161.0
30°	4236.5	4233.3	4191.5	4196.3	4191.5	4185.1	4186.7	4199.5	4214.0	4252.6	4263.8
32.5°	4352.2	4355.4	4329.7	4353.8	4389.2	4413.3	4376.3	4341.0	4324.9	4345.8	4355.4
35°	4561.1	4569.2	4529.0	4512.9	4561.1	4631.9	4527.4	4469.5	4501.7	4529.0	4537.0
37.5°	4916.3	4921.1	4853.6	4789.4	4754.0	4821.5	4717.0	4721.9	4834.4	4885.8	4884.2
40°	5321.3	5322.9	5277.9	5221.7	5160.6	5176.7	5134.9	5147.8	5221.7	5268.3	5281.2
42.5°	5803.5	5798.7	5727.9	5647.6	5629.9	5646.0	5575.3	5565.6	5650.8	5734.4	5736.0
45°	6428.7	6417.4	6325.8	6237.4	6152.2	6116.9	6099.2	6145.8	6263.1	6340.3	6341.9
47.5°	7102.1	7071.5	7023.3	6952.6	6878.7	6843.3	6814.4	6836.9	6922.1	6952.6	6955.8
50°	7794.8	7801.2	7810.8	7783.5	7756.2	7744.9	7669.4	7626.0	7651.7	7595.5	7587.4
52.5°	8616.0	8628.9	8722.1	8800.9	8847.5	8871.6	8728.5	8579.1	8495.5	8386.2	8354.1
55°	9585.2	9606.0	9742.7	9961.2	10186.2	10305.2	10046.4	9766.8	9508.0	9303.9	9238.0
57.5°	10665.2	10702.1	10890.2	11309.6	11770.9	12052.2	11615.0	11107.1	10607.3	10313.2	10261.8
60°	11931.6	11967.0	12227.3	12828.4	13575.7	13998.4	13336.3	12505.4	11883.4	11602.1	11507.3
62.5°	13439.1	13442.4	13762.2	14464.5	15451.3	16039.5	15142.7	14032.2	13390.9	13051.8	12960.2
65°	15060.8	15068.8	15399.9	16158.5	17179.0	17818.7	16806.2	15649.0	14864.7	14364.9	14294.2
67.5°	16206.7	16240.4	16589.2	17502.1	18456.7	19033.7	17985.8	16677.6	15771.1	15174.9	15115.4
70°	16023.5	16155.3	16565.1	17630.6	18958.2	19781.0	18177.1	16555.4	15359.7	14655.8	14605.9
72.5°	13974.3	14226.7	14773.1	16171.3	18294.4	19427.4	17134.0	14827.7	13474.5	12875.0	12785.0
75°	9516.0	9925.9	10750.3	12767.3	15629.7	16820.6	14424.3	11822.3	10549.5	9720.2	9659.1
77.5°	4242.9	4336.1	5380.8	7703.2	10785.7	12079.5	10480.3	7733.7	5805.1	4630.3	4382.7
80°	1182.9	1197.3	1597.5	2868.8	5398.5	7097.3	5795.4	3013.4	1694.0	1194.1	1125.0
82.5°	376.1	408.2	498.2	744.1	1814.5	3238.4	1862.7	803.6	572.2	456.4	411.4
85°	183.2	181.6	252.3	302.1	462.9	716.8	493.4	372.9	326.3	217.0	196.1
87.5°	77.1	78.8	117.3	106.1	135.0	115.7	159.1	167.1	175.2	96.4	83.6
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)