

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: P316234

Luminaire Tested: **GAN-SA0A-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316234
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-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 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: 48585 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

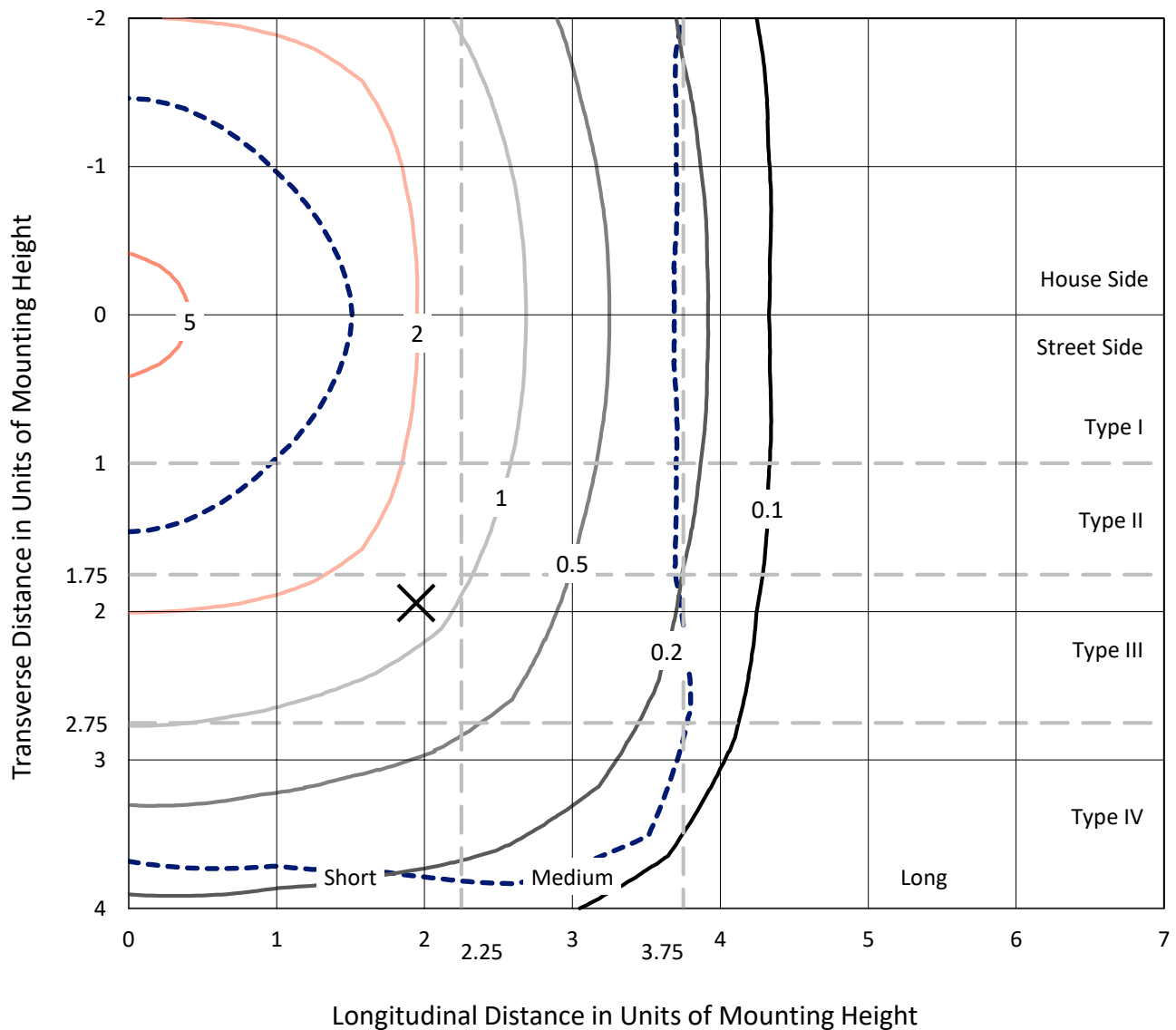


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Iso-Footcandle Lines of Horizontal Illumination

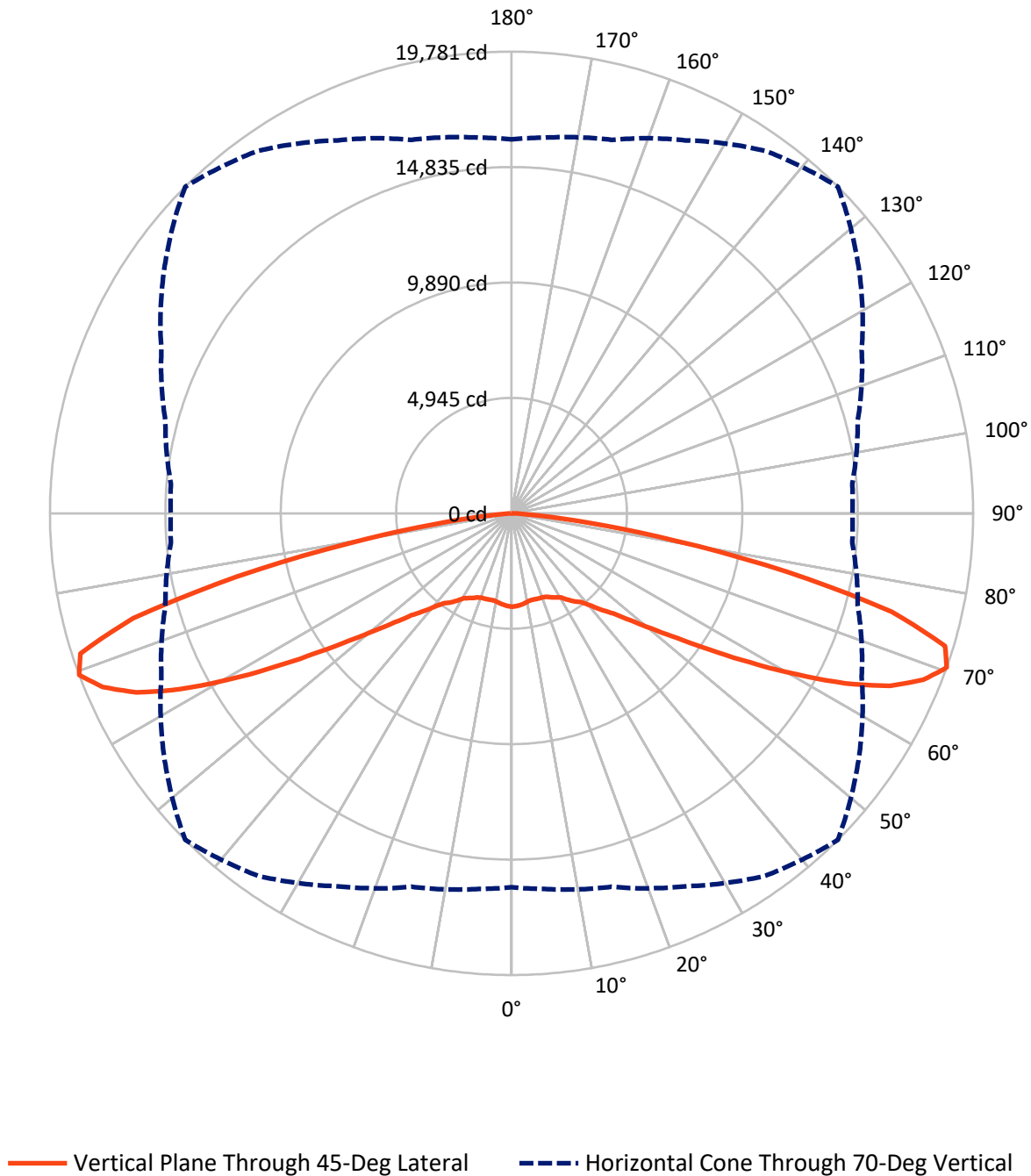
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24292.5	0.0	24292.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24292.5	0.0	24292.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48585.0	0.0	48585.0
	% 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°	1858.6	3.8
30°-40°	2904.2	6.0
40°-50°	4921.9	10.1
50°-60°	8975.4	18.5
60°-70°	15451.8	31.8
70°-80°	12111.7	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°	48585.0	100.0
0°-180°	48585.0	100.0

Coefficient of Utilization



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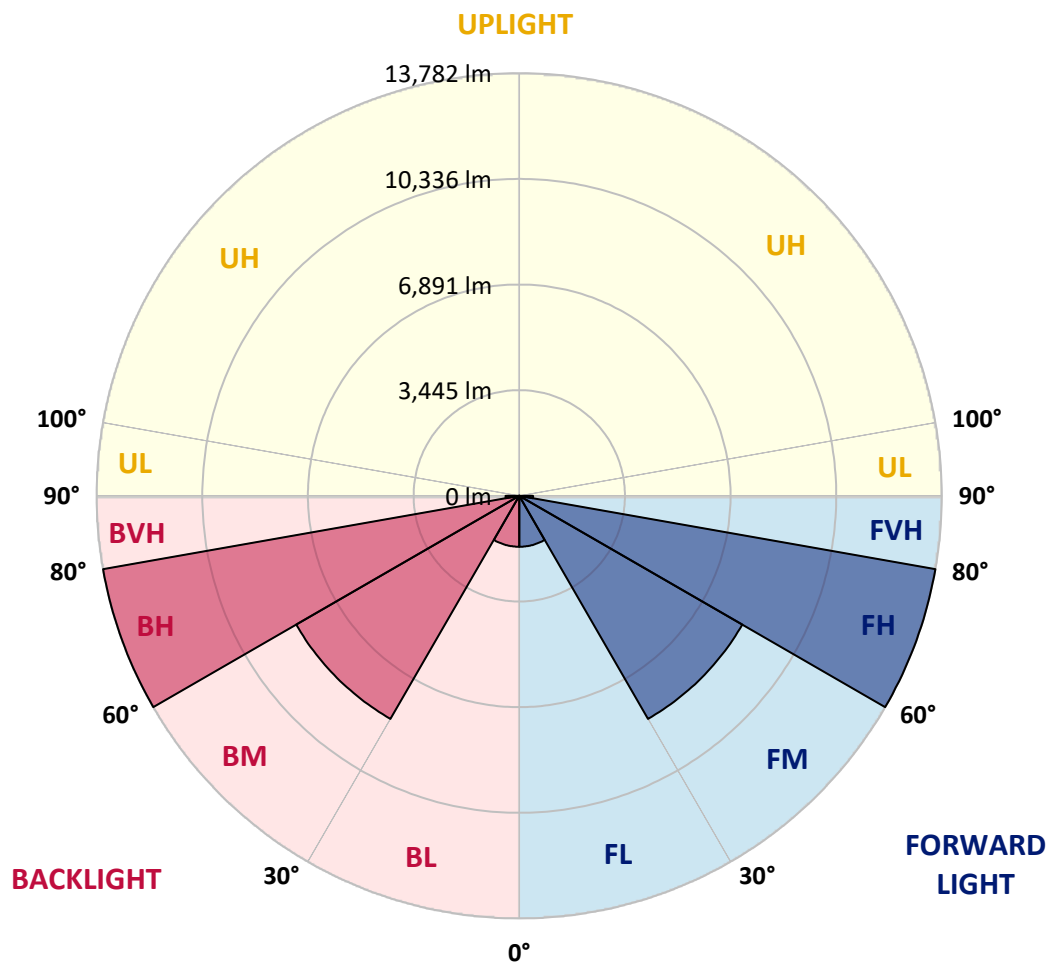
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1661.0	3.4			
FM	(30°-60°)	8400.7	17.3			
FH	(60°-80°)	13781.8	28.4			G5
FVH	(80°-90°)	449.0	0.9			G3/500
BL	(0°-30°)	1661.0	3.4	B3/2500		
BM	(30°-60°)	8400.7	17.3	B4/8500		
BH	(60°-80°)	13781.8	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°	3980.9	3985.7	3980.9	3984.1	3976.1	3979.3	3979.3	3979.3	3977.7	3979.3	3976.1
5°	3945.5	3948.7	3942.3	3945.5	3940.7	3945.5	3947.1	3945.5	3942.3	3943.9	3937.5
7.5°	3892.5	3895.7	3890.9	3895.7	3889.3	3897.3	3895.7	3890.9	3886.1	3886.1	3879.6
10°	3863.6	3865.2	3852.3	3847.5	3833.0	3836.2	3841.1	3845.9	3850.7	3860.3	3858.7
12.5°	3865.2	3865.2	3845.9	3825.0	3804.1	3808.9	3816.9	3834.6	3853.9	3871.6	3873.2
15°	3881.2	3879.6	3850.7	3816.9	3802.5	3816.9	3821.8	3833.0	3863.6	3894.1	3895.7
17.5°	3892.5	3892.5	3847.5	3808.9	3807.3	3829.8	3828.2	3833.0	3866.8	3911.8	3913.4
20°	3913.4	3913.4	3855.5	3813.7	3813.7	3837.8	3839.4	3847.5	3881.2	3931.1	3939.1
22.5°	3960.0	3961.6	3900.5	3866.8	3870.0	3884.4	3889.3	3902.1	3932.7	3987.3	3996.9
25°	4025.9	4029.1	3966.4	3947.1	3958.4	3985.7	3982.5	3992.1	4025.9	4078.9	4088.6
27.5°	4117.5	4109.4	4051.6	4043.6	4054.8	4074.1	4072.5	4074.1	4101.4	4149.6	4160.9
30°	4236.4	4233.2	4191.4	4196.2	4191.4	4185.0	4186.6	4199.4	4213.9	4252.5	4263.7
32.5°	4352.1	4355.3	4329.6	4353.7	4389.1	4413.2	4376.2	4340.9	4324.8	4345.7	4355.3
35°	4561.0	4569.1	4528.9	4512.8	4561.0	4631.8	4527.3	4469.4	4501.6	4528.9	4536.9
37.5°	4916.2	4921.0	4853.5	4789.3	4753.9	4821.4	4716.9	4721.8	4834.3	4885.7	4884.1
40°	5321.2	5322.8	5277.8	5221.6	5160.5	5176.6	5134.8	5147.7	5221.6	5268.2	5281.0
42.5°	5803.4	5798.5	5727.8	5647.5	5629.8	5645.9	5575.2	5565.5	5650.7	5734.3	5735.9
45°	6428.5	6417.3	6325.7	6237.3	6152.1	6116.8	6099.1	6145.7	6263.0	6340.1	6341.8
47.5°	7101.9	7071.4	7023.2	6952.5	6878.5	6843.2	6814.3	6836.8	6921.9	6952.5	6955.7
50°	7794.6	7801.0	7810.7	7783.4	7756.0	7744.8	7669.2	7625.9	7651.6	7595.3	7587.3
52.5°	8615.9	8628.7	8721.9	8800.7	8847.3	8871.4	8728.4	8578.9	8495.3	8386.0	8353.9
55°	9585.0	9605.8	9742.5	9961.0	10186.0	10305.0	10046.2	9766.6	9507.8	9303.7	9237.8
57.5°	10664.9	10701.9	10889.9	11309.4	11770.7	12051.9	11614.8	11106.9	10607.1	10313.0	10261.6
60°	11931.4	11966.7	12227.1	12828.2	13575.5	13998.1	13336.0	12505.1	11883.2	11601.9	11507.1
62.5°	13438.9	13442.1	13761.9	14464.2	15451.0	16039.2	15142.4	14031.9	13390.6	13051.5	12959.9
65°	15060.5	15068.5	15399.6	16158.1	17178.7	17818.3	16805.8	15648.7	14864.4	14364.6	14293.9
67.5°	16206.4	16240.1	16588.8	17501.7	18456.3	19033.3	17985.4	16677.2	15770.8	15174.6	15115.1
70°	16023.1	16154.9	16564.7	17630.3	18957.8	19780.6	18176.7	16555.1	15359.4	14655.5	14605.6
72.5°	13974.0	14226.4	14772.8	16171.0	18294.0	19427.0	17133.7	14827.4	13474.2	12874.8	12784.8
75°	9515.8	9925.7	10750.1	12767.1	15629.4	16820.3	14424.0	11822.1	10549.2	9720.0	9658.9
77.5°	4242.8	4336.1	5380.7	7703.0	10785.5	12079.2	10480.1	7733.5	5805.0	4630.2	4382.7
80°	1182.9	1197.3	1597.5	2868.7	5398.4	7097.1	5795.3	3013.4	1693.9	1194.1	1125.0
82.5°	376.1	408.2	498.2	744.1	1814.5	3238.4	1862.7	803.6	572.1	456.4	411.4
85°	183.2	181.6	252.3	302.1	462.9	716.8	493.4	372.9	326.2	217.0	196.1
87.5°	77.1	78.7	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)