

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: P316114

Luminaire Tested: **GAN-SA0A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316114
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 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: 44246 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

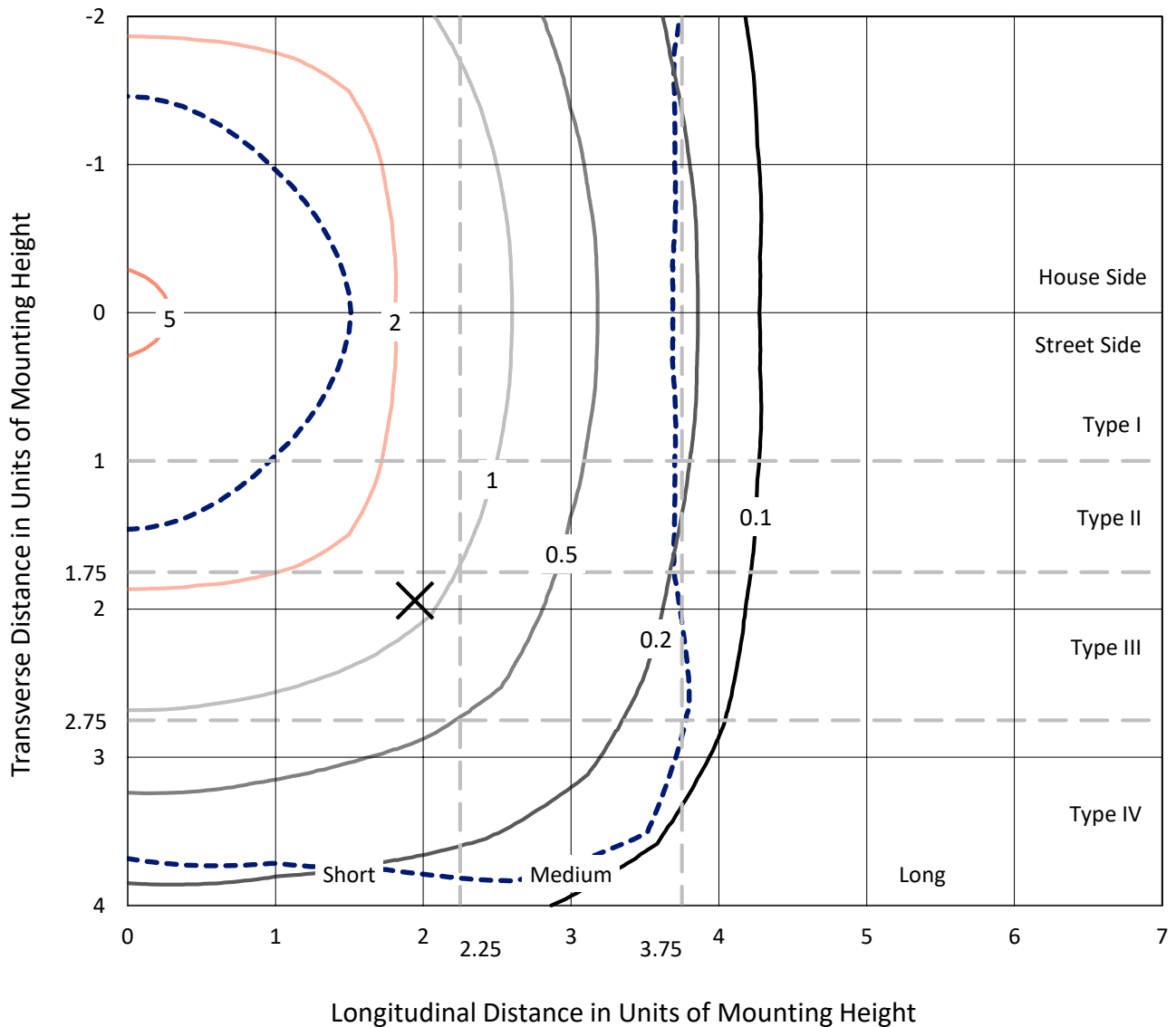
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

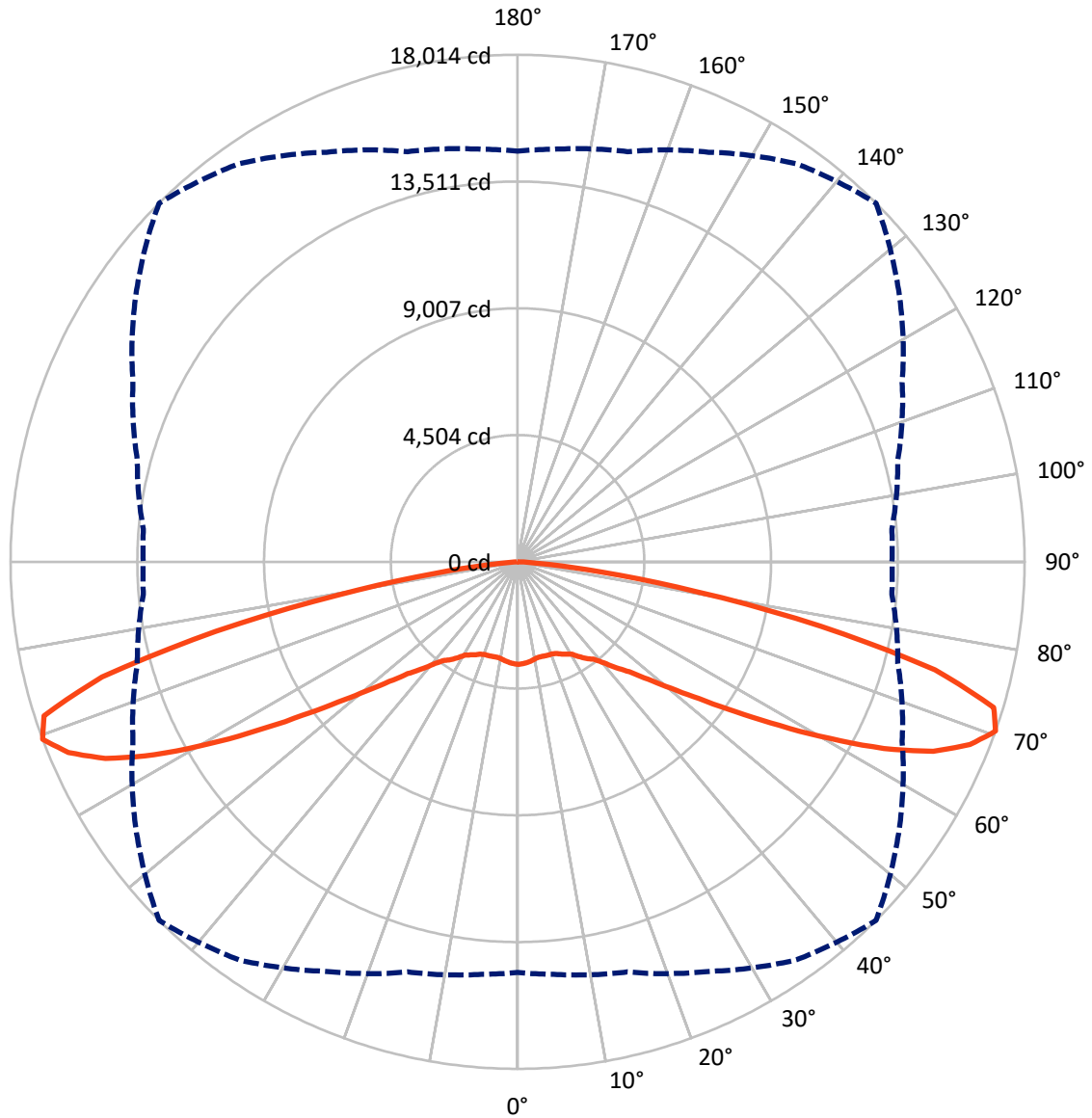
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	22123.0	0.0	22123.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22123.0	0.0	22123.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44246.0	0.0	44246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.9	0.8
10°-20°	992.8	2.2
20°-30°	1692.6	3.8
30°-40°	2644.8	6.0
40°-50°	4482.3	10.1
50°-60°	8173.9	18.5
60°-70°	14071.9	31.8
70°-80°	11030.1	24.9
80°-90°	817.9	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°	44246.0	100.0
0°-180°	44246.0	100.0

Coefficient of Utilization

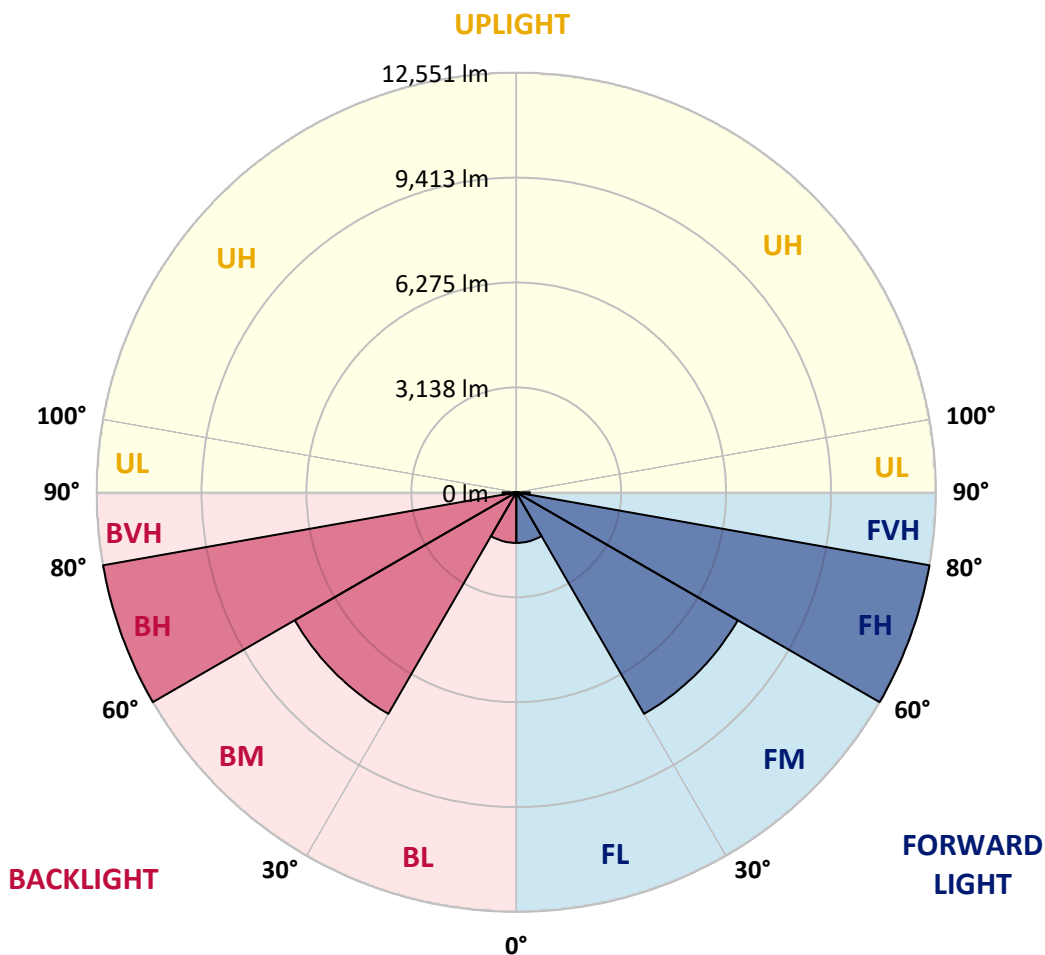


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.6	3.4			
FM (30°-60°)	7650.5	17.3			
FH (60°-80°)	12551.0	28.4			G5
FVH (80°-90°)	408.9	0.9			G3/500
BL (0°-30°)	1512.6	3.4	B3/2500		
BM (30°-60°)	7650.5	17.3	B4/8500		
BH (60°-80°)	12551.0	28.4	B5		G5
BVH (80°-90°)	408.9	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°	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5	3641.5
2.5°	3625.4	3629.7	3625.4	3628.3	3621.0	3623.9	3623.9	3623.9	3622.4	3623.9	3621.0
5°	3593.2	3596.1	3590.2	3593.2	3588.8	3593.2	3594.6	3593.2	3590.2	3591.7	3585.8
7.5°	3544.9	3547.8	3543.4	3547.8	3541.9	3549.2	3547.8	3543.4	3539.0	3539.0	3533.1
10°	3518.5	3520.0	3508.3	3503.9	3490.7	3493.6	3498.0	3502.4	3506.8	3515.6	3514.1
12.5°	3520.0	3520.0	3502.4	3483.4	3464.4	3468.7	3476.1	3492.2	3509.7	3525.8	3527.3
15°	3534.6	3533.1	3506.8	3476.1	3462.9	3476.1	3480.5	3490.7	3518.5	3546.3	3547.8
17.5°	3544.9	3544.9	3503.9	3468.7	3467.3	3487.8	3486.3	3490.7	3521.4	3562.4	3563.9
20°	3563.9	3563.9	3511.2	3473.1	3473.1	3495.1	3496.6	3503.9	3534.6	3580.0	3587.3
22.5°	3606.3	3607.8	3552.2	3521.4	3524.4	3537.5	3541.9	3553.6	3581.4	3631.2	3640.0
25°	3666.3	3669.3	3612.2	3594.6	3604.9	3629.7	3626.8	3635.6	3666.3	3714.6	3723.4
27.5°	3749.8	3742.4	3689.8	3682.4	3692.7	3710.2	3708.8	3710.2	3735.1	3779.0	3789.3
30°	3858.1	3855.1	3817.1	3821.5	3817.1	3811.2	3812.7	3824.4	3837.6	3872.7	3882.9
32.5°	3963.4	3966.4	3943.0	3964.9	3997.1	4019.1	3985.4	3953.2	3938.6	3957.6	3966.4
35°	4153.7	4161.0	4124.4	4109.8	4153.7	4218.1	4123.0	4070.3	4099.6	4124.4	4131.8
37.5°	4477.2	4481.6	4420.1	4361.5	4329.3	4390.8	4295.7	4300.1	4402.5	4449.4	4447.9
40°	4846.0	4847.5	4806.5	4755.3	4699.6	4714.3	4676.2	4687.9	4755.3	4797.7	4809.4
42.5°	5285.1	5280.7	5216.3	5143.1	5127.0	5141.6	5077.2	5068.5	5146.0	5222.1	5223.6
45°	5854.4	5844.2	5760.8	5680.3	5602.7	5570.5	5554.4	5596.8	5703.7	5773.9	5775.4
47.5°	6467.7	6439.9	6396.0	6331.6	6264.2	6232.0	6205.7	6226.2	6303.8	6331.6	6334.5
50°	7098.5	7104.3	7113.1	7088.2	7063.4	7053.1	6984.3	6944.8	6968.2	6917.0	6909.7
52.5°	7846.4	7858.1	7943.0	8014.7	8057.2	8079.1	7948.8	7812.7	7736.6	7637.1	7607.8
55°	8728.9	8748.0	8872.4	9071.4	9276.3	9384.6	9149.0	8894.3	8658.7	8472.8	8412.8
57.5°	9712.5	9746.2	9917.4	10299.4	10719.5	10975.6	10577.5	10115.0	9659.8	9392.0	9345.1
60°	10865.8	10898.0	11135.1	11682.5	12363.1	12748.0	12145.0	11388.3	10821.9	10565.8	10479.4
62.5°	12238.7	12241.6	12532.9	13172.5	14071.1	14606.8	13790.1	12778.7	12194.8	11885.9	11802.5
65°	13715.5	13722.8	14024.3	14715.1	15644.5	16227.0	15304.9	14251.1	13536.9	13081.7	13017.3
67.5°	14759.0	14789.7	15107.3	15938.7	16808.1	17333.5	16379.2	15187.8	14362.4	13819.4	13765.2
70°	14592.2	14712.2	15085.4	16055.8	17264.7	18014.1	16553.4	15076.6	13987.7	13346.6	13301.3
72.5°	12726.1	12955.8	13453.5	14726.8	16660.2	17692.1	15603.5	13503.2	12270.9	11724.9	11643.0
75°	8666.0	9039.2	9790.1	11626.9	14233.6	15318.1	13135.9	10766.3	9607.1	8851.9	8796.3
77.5°	3863.9	3948.8	4900.2	7015.1	9822.3	11000.5	9544.2	7042.9	5286.5	4216.6	3991.3
80°	1077.2	1090.4	1454.8	2612.5	4916.3	6463.3	5277.8	2744.3	1542.6	1087.5	1024.5
82.5°	342.5	371.8	453.7	677.6	1652.4	2949.2	1696.3	731.8	521.0	415.7	374.7
85°	166.9	165.4	229.8	275.2	421.5	652.8	449.3	339.6	297.1	197.6	178.6
87.5°	70.3	71.7	106.8	96.6	122.9	105.4	144.9	152.2	159.5	87.8	76.1
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)