

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: P317191

Luminaire Tested: **GAN-SA7A-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7A-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33694 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 226
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



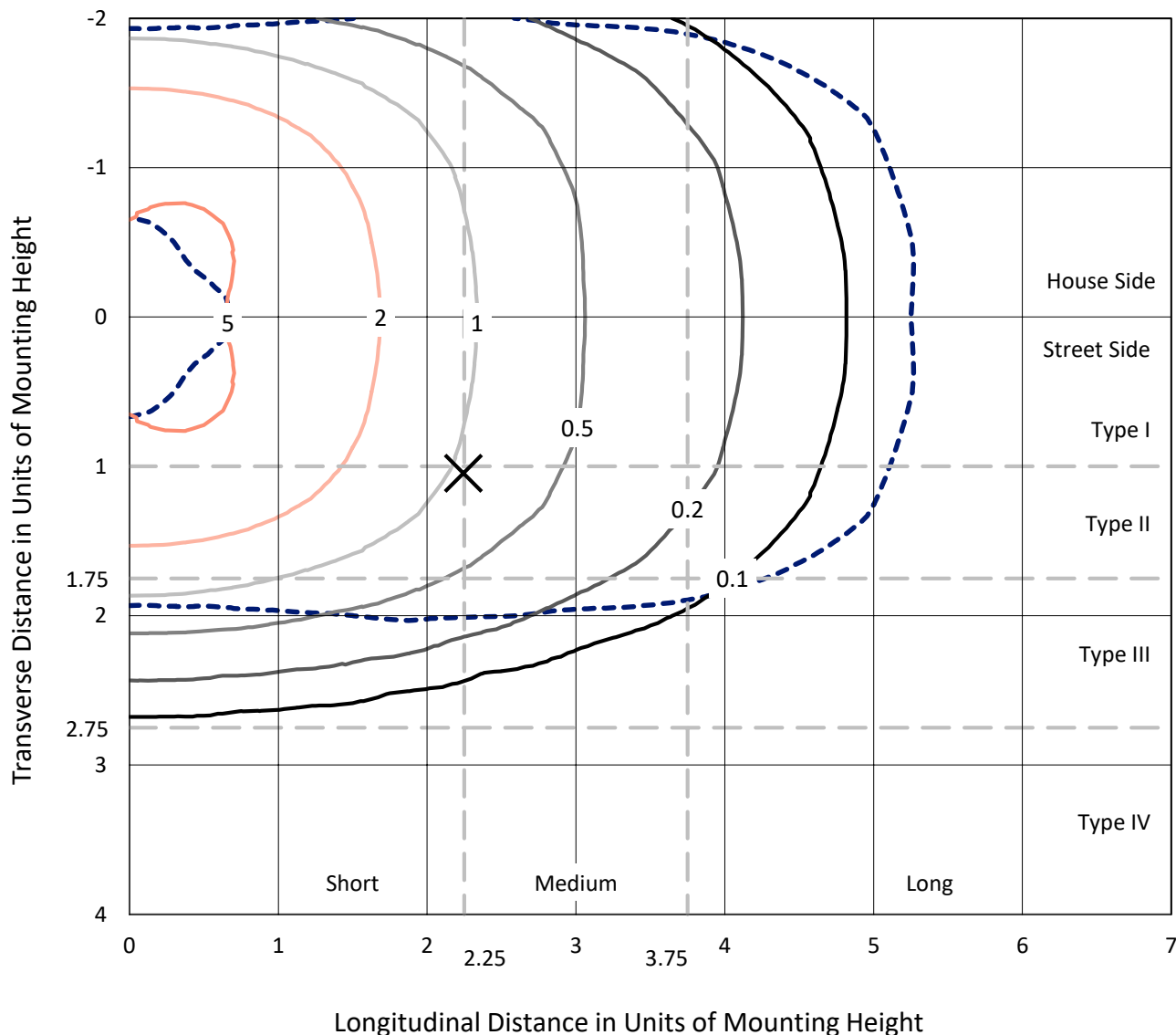
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

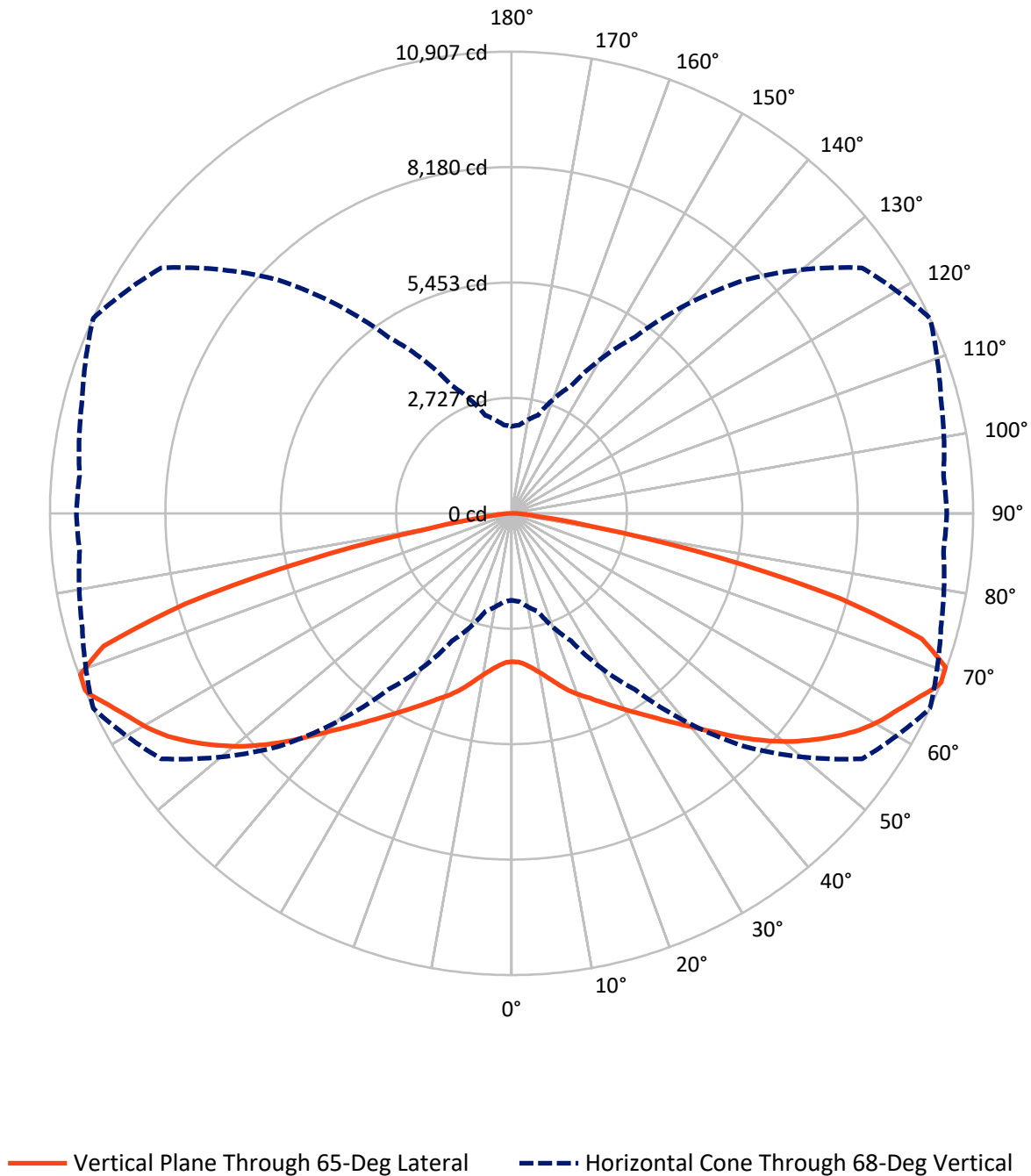


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16847.0	0.0	16847.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16847.0	0.0	16847.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33694.0	0.0	33694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.0	1.0
10°-20°	1148.5	3.4
20°-30°	2239.3	6.6
30°-40°	3761.9	11.2
40°-50°	5927.4	17.6
50°-60°	7926.9	23.5
60°-70°	7706.0	22.9
70°-80°	4212.5	12.5
80°-90°	428.4	1.3
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°	33694.0	100.0
0°-180°	33694.0	100.0

Coefficient of Utilization



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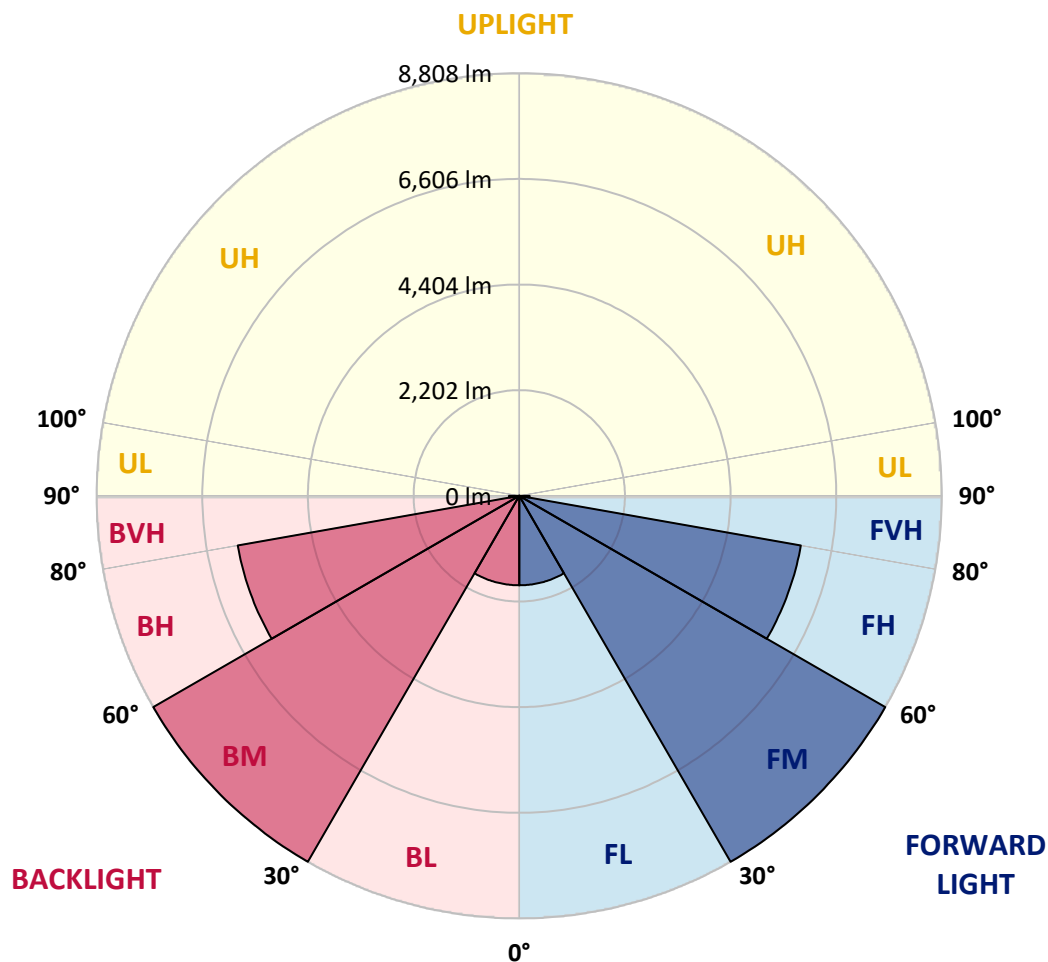
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1865.4	5.5			
FM	(30°-60°)	8808.1	26.1			
FH	(60°-80°)	5959.2	17.7			G3/7500
FVH	(80°-90°)	214.2	0.6			G2/225
BL	(0°-30°)	1865.4	5.5	B3/2500		
BM	(30°-60°)	8808.1	26.1	B5		
BH	(60°-80°)	5959.2	17.7	B5		G5
BVH	(80°-90°)	214.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4	3503.4
2.5°	3478.5	3479.7	3485.3	3492.1	3497.7	3512.4	3515.8	3521.5	3523.7	3529.4	3529.4
5°	3448.0	3450.3	3463.8	3481.9	3502.3	3538.4	3564.4	3593.8	3608.5	3624.3	3623.1
7.5°	3444.6	3450.3	3469.5	3498.9	3532.8	3592.6	3646.9	3705.6	3745.2	3781.3	3779.0
10°	3479.7	3488.7	3515.8	3559.9	3610.7	3685.3	3765.5	3844.6	3913.5	3968.8	3971.1
12.5°	3532.8	3544.1	3587.0	3653.6	3730.5	3826.5	3921.4	4010.6	4105.5	4188.0	4194.8
15°	3602.8	3617.5	3681.9	3781.3	3898.8	4012.9	4114.6	4206.1	4315.7	4429.8	4441.1
17.5°	3706.7	3727.1	3811.8	3946.2	4101.0	4226.4	4332.6	4401.5	4493.1	4610.5	4632.0
20°	3864.9	3890.9	3998.2	4158.6	4347.3	4478.4	4559.7	4574.4	4619.6	4724.7	4749.5
22.5°	4070.5	4093.1	4212.9	4403.8	4615.1	4757.4	4800.3	4741.6	4737.1	4821.8	4845.5
25°	4299.9	4320.2	4459.2	4673.8	4900.9	5057.9	5056.8	4942.7	4863.6	4929.1	4954.0
27.5°	4557.4	4589.1	4722.4	4948.3	5191.2	5346.0	5337.0	5160.7	5010.5	5027.4	5048.9
30°	4853.4	4888.5	5018.4	5247.7	5490.6	5642.0	5630.7	5398.0	5172.0	5126.8	5142.7
32.5°	5220.6	5262.4	5385.6	5611.5	5826.2	5962.9	5930.1	5655.6	5366.4	5268.1	5282.8
35°	5662.4	5687.2	5817.1	6039.7	6213.7	6307.4	6238.5	5953.8	5612.6	5494.0	5494.0
37.5°	6109.7	6128.9	6274.7	6490.5	6658.8	6708.5	6574.1	6280.3	5934.6	5766.3	5769.7
40°	6539.0	6591.0	6754.8	6976.3	7142.3	7155.9	6977.4	6653.2	6292.8	6118.8	6139.1
42.5°	6987.6	7038.4	7233.8	7484.7	7631.5	7654.1	7445.1	7071.2	6697.2	6556.0	6578.6
45°	7387.5	7428.2	7654.1	7945.6	8128.6	8187.4	7939.9	7550.2	7134.4	6996.6	7002.2
47.5°	7666.5	7719.6	7968.2	8311.6	8578.3	8668.6	8425.7	8016.8	7564.9	7397.7	7412.3
50°	7919.6	7947.9	8199.8	8574.9	8913.8	9100.2	8892.3	8477.7	7999.8	7822.5	7838.3
52.5°	8060.8	8097.0	8341.0	8731.9	9133.0	9433.5	9307.0	8892.3	8420.1	8247.2	8266.4
55°	7962.5	7989.7	8282.3	8766.9	9268.5	9639.1	9658.3	9297.9	8832.5	8681.1	8735.3
57.5°	7515.2	7549.1	7906.1	8541.0	9285.5	9778.1	9922.7	9674.1	9217.7	9094.6	9126.2
60°	6815.8	6837.3	7218.0	7932.0	8955.6	9835.7	10091.0	9981.4	9595.0	9471.9	9514.8
62.5°	5569.7	5601.3	6056.6	7013.5	8258.5	9665.1	10253.7	10235.6	9946.4	9833.4	9871.8
65°	3807.3	3862.6	4366.5	5576.5	7184.1	9143.1	10401.7	10531.6	10257.1	10114.7	10165.6
67.5°	2299.1	2339.7	2704.6	3681.9	5497.4	8090.2	10249.2	10868.3	10476.3	10246.9	10288.7
68°	2055.0	2092.3	2397.3	3322.6	5085.0	7793.1	10110.2	10906.7	10500.0	10244.7	10281.9
70°	1241.6	1266.5	1470.9	2053.9	3390.4	6182.0	9162.3	10875.1	10651.4	10276.3	10297.8
72.5°	808.9	816.8	850.7	1054.1	1731.9	3457.1	6876.8	10133.9	10878.5	10460.4	10457.1
75°	672.2	667.7	671.1	694.8	854.1	1516.1	4018.6	8005.5	10370.1	10170.1	10098.9
77.5°	568.3	564.9	563.7	564.9	571.7	732.1	1744.3	4986.8	7935.4	8996.3	9059.5
80°	459.8	455.3	470.0	463.2	442.9	455.3	731.0	2074.2	3740.6	4024.2	3771.1
82.5°	334.4	317.5	380.7	362.7	345.7	320.9	403.3	669.9	892.5	612.3	430.4
85°	257.6	239.5	289.2	277.9	237.2	163.8	239.5	327.6	361.5	206.7	162.7
87.5°	105.1	110.7	209.0	164.9	139.0	79.1	98.3	131.1	176.2	88.1	67.8
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)