

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: P317111

Luminaire Tested: **GAN-SA7A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317111
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33695 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

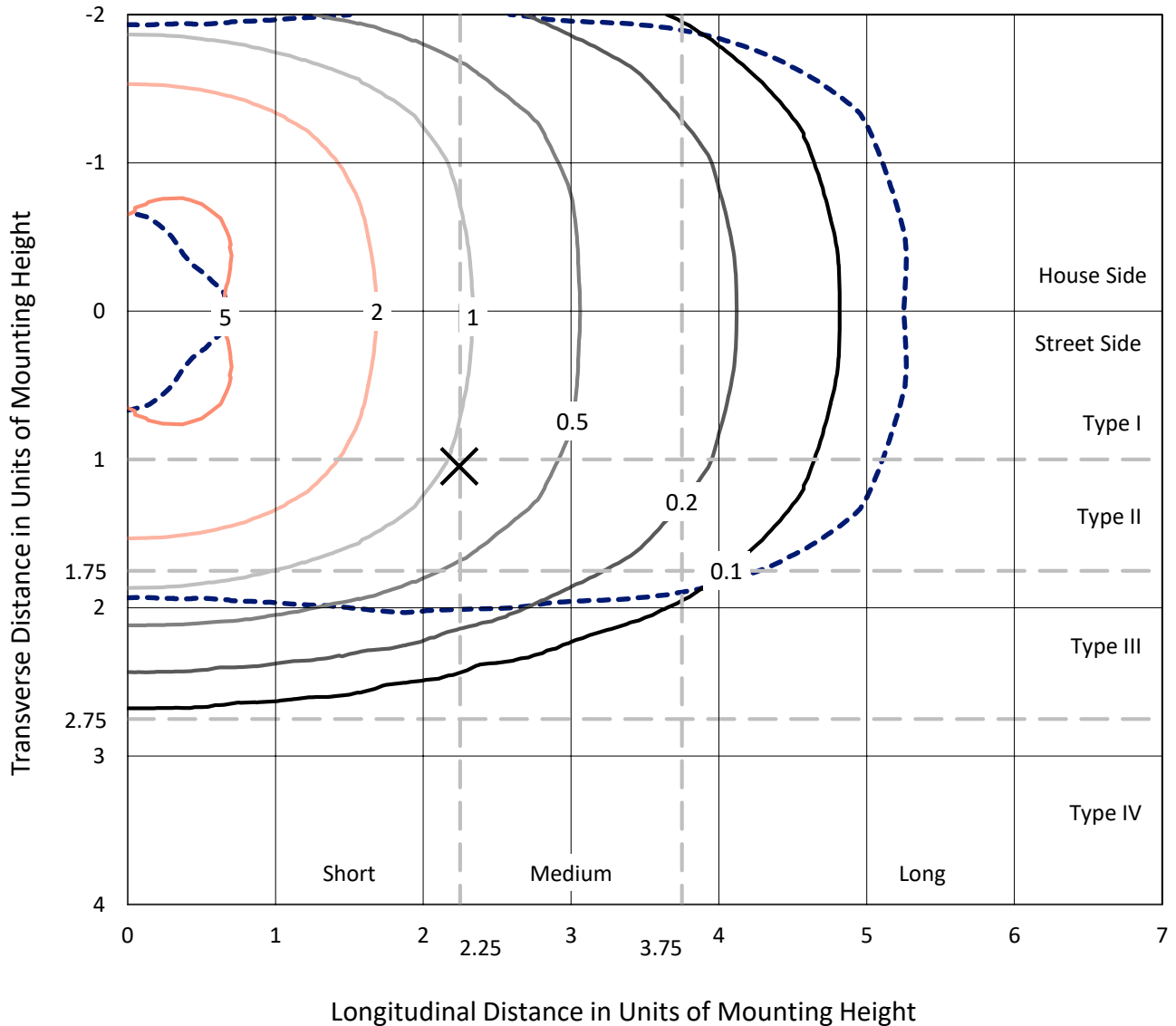
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

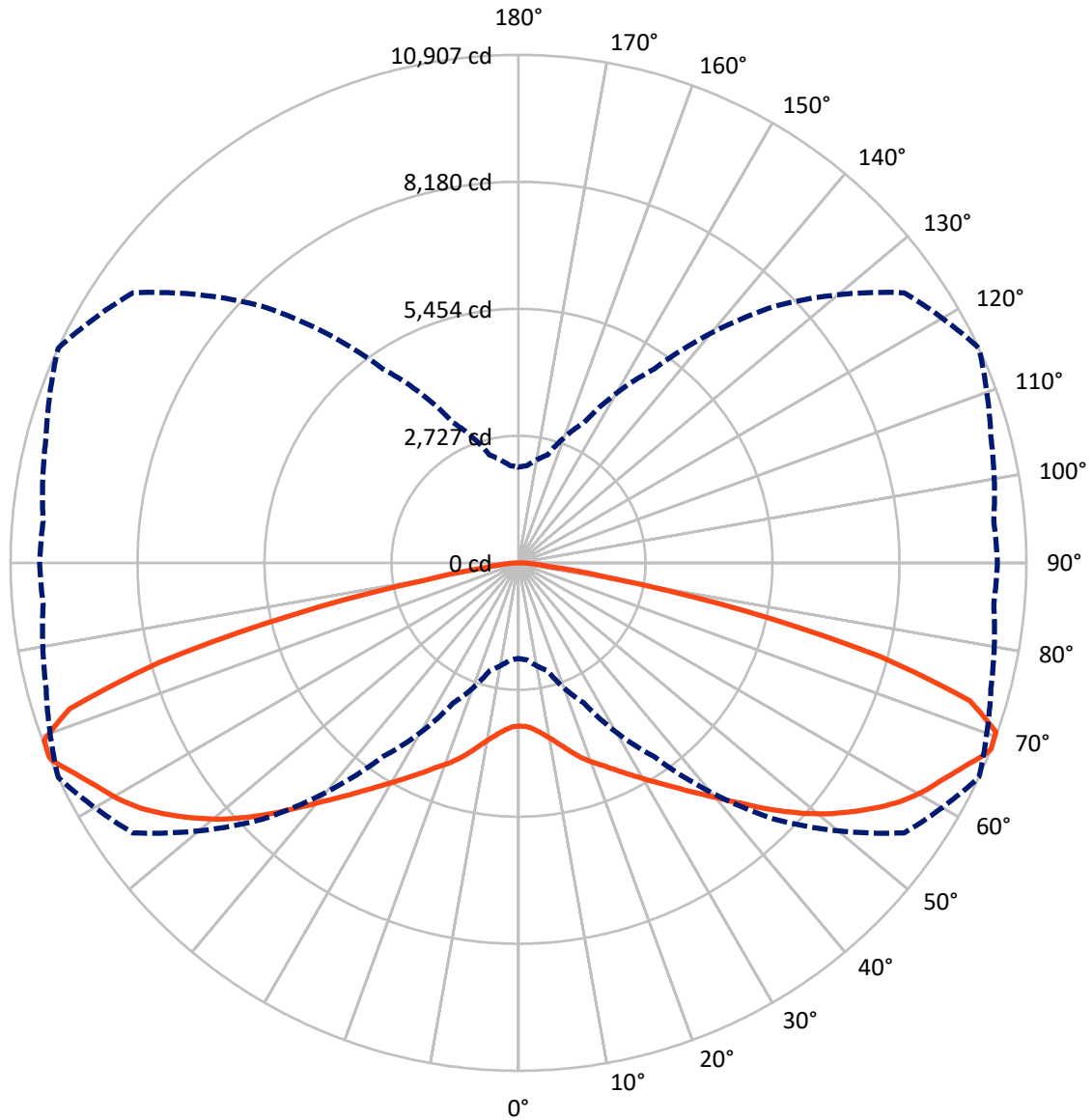
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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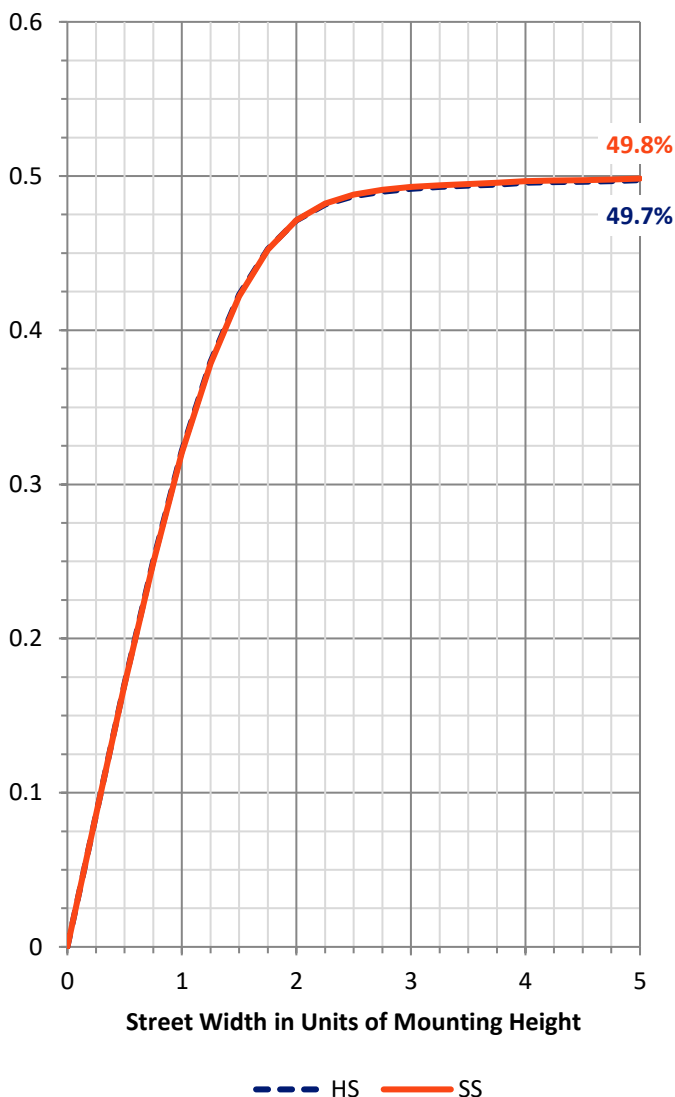
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16847.5	0.0	16847.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16847.5	0.0	16847.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33695.0	0.0	33695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.0	1.0
10°-20°	1148.6	3.4
20°-30°	2239.4	6.6
30°-40°	3762.0	11.2
40°-50°	5927.6	17.6
50°-60°	7927.2	23.5
60°-70°	7706.2	22.9
70°-80°	4212.6	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°	33695.0	100.0
0°-180°	33695.0	100.0

Coefficient of Utilization

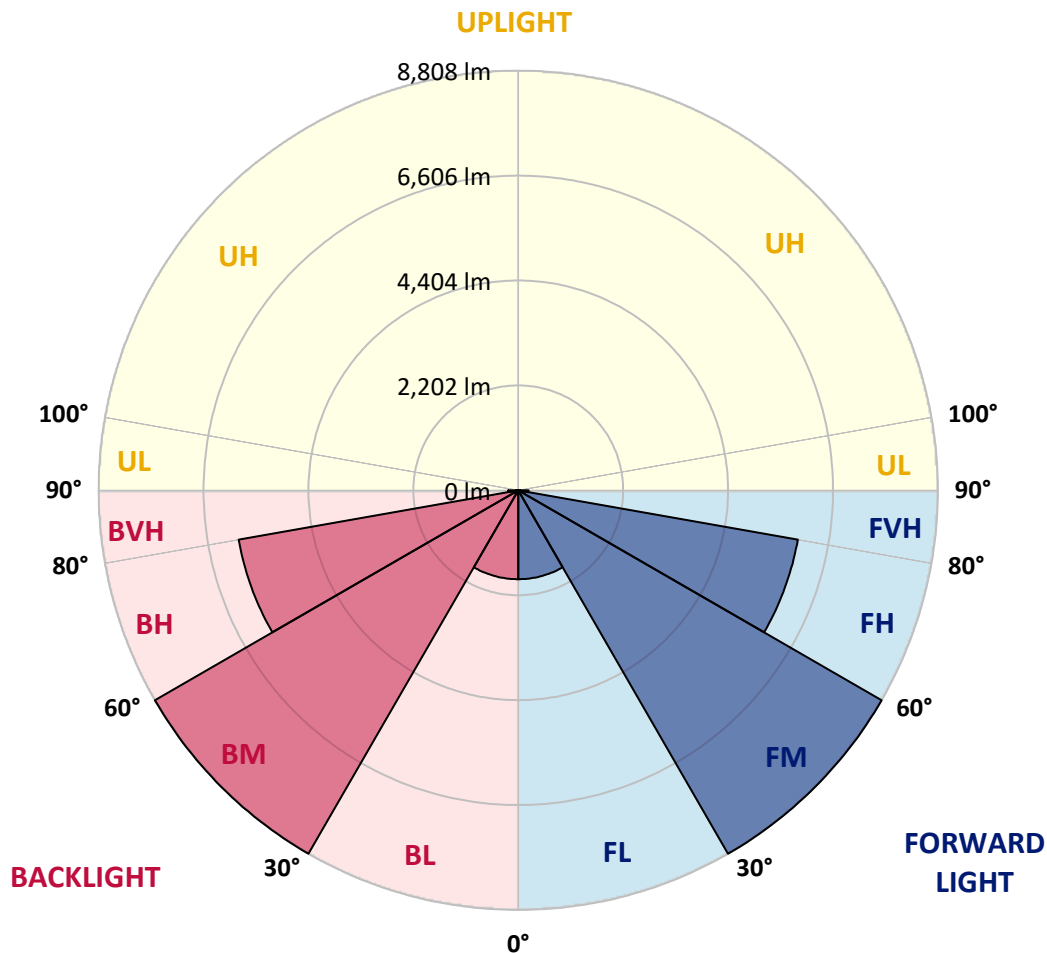


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1865.5	5.5			
FM (30°-60°)	8808.4	26.1			
FH (60°-80°)	5959.4	17.7			G3/7500
FVH (80°-90°)	214.2	0.6			G2/225
BL (0°-30°)	1865.5	5.5	B3/2500		
BM (30°-60°)	8808.4	26.1	B5		
BH (60°-80°)	5959.4	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°	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5	3503.5
2.5°	3478.6	3479.8	3485.4	3492.2	3497.8	3512.5	3515.9	3521.6	3523.8	3529.5	3529.5
5°	3448.1	3450.4	3463.9	3482.0	3502.4	3538.5	3564.5	3593.9	3608.6	3624.4	3623.2
7.5°	3444.7	3450.4	3469.6	3499.0	3532.9	3592.7	3647.0	3705.7	3745.3	3781.4	3779.2
10°	3479.8	3488.8	3515.9	3560.0	3610.8	3685.4	3765.6	3844.7	3913.6	3969.0	3971.2
12.5°	3532.9	3544.2	3587.1	3653.7	3730.6	3826.6	3921.5	4010.8	4105.7	4188.1	4194.9
15°	3602.9	3617.6	3682.0	3781.4	3898.9	4013.0	4114.7	4206.2	4315.8	4429.9	4441.2
17.5°	3706.8	3727.2	3811.9	3946.4	4101.1	4226.6	4332.8	4401.7	4493.2	4610.7	4632.2
20°	3865.0	3891.0	3998.3	4158.8	4347.4	4478.5	4559.8	4574.5	4619.7	4724.8	4749.6
22.5°	4070.6	4093.2	4213.0	4403.9	4615.2	4757.6	4800.5	4741.7	4737.2	4822.0	4845.7
25°	4300.0	4320.3	4459.3	4674.0	4901.0	5058.1	5057.0	4942.8	4863.8	4929.3	4954.1
27.5°	4557.6	4589.2	4722.5	4948.5	5191.4	5346.2	5337.1	5160.9	5010.6	5027.6	5049.0
30°	4853.6	4888.6	5018.5	5247.9	5490.8	5642.2	5630.9	5398.1	5172.2	5127.0	5142.8
32.5°	5220.8	5262.6	5385.7	5611.7	5826.3	5963.0	5930.3	5655.7	5366.5	5268.2	5282.9
35°	5662.5	5687.4	5817.3	6039.9	6213.9	6307.6	6238.7	5954.0	5612.8	5494.2	5494.2
37.5°	6109.9	6129.1	6274.9	6490.7	6659.0	6708.7	6574.3	6280.5	5934.8	5766.5	5769.9
40°	6539.2	6591.2	6755.0	6976.5	7142.5	7156.1	6977.6	6653.3	6292.9	6119.0	6139.3
42.5°	6987.8	7038.6	7234.1	7484.9	7631.7	7654.3	7445.3	7071.4	6697.4	6556.2	6578.8
45°	7387.7	7428.4	7654.3	7945.8	8128.9	8187.6	7940.2	7550.4	7134.6	6996.8	7002.5
47.5°	7666.8	7719.9	7968.4	8311.9	8578.5	8668.9	8426.0	8017.0	7565.1	7397.9	7412.6
50°	7919.8	7948.1	8200.0	8575.1	8914.1	9100.5	8892.6	8478.0	8000.1	7822.7	7838.5
52.5°	8061.1	8097.2	8341.3	8732.2	9133.2	9433.8	9307.2	8892.6	8420.3	8247.5	8266.7
55°	7962.8	7989.9	8282.5	8767.2	9268.8	9639.4	9658.6	9298.2	8832.7	8681.3	8735.6
57.5°	7515.4	7549.3	7906.3	8541.2	9285.8	9778.4	9923.0	9674.4	9218.0	9094.8	9126.5
60°	6816.0	6837.5	7218.2	7932.3	8955.9	9836.0	10091.3	9981.7	9595.3	9472.2	9515.1
62.5°	5569.9	5601.5	6056.8	7013.8	8258.8	9665.4	10254.0	10235.9	9946.7	9833.7	9872.1
65°	3807.4	3862.8	4366.6	5576.7	7184.4	9143.4	10402.0	10531.9	10257.4	10115.0	10165.9
67.5°	2299.1	2339.8	2704.7	3682.0	5497.6	8090.4	10249.5	10868.6	10476.6	10247.2	10289.0
68°	2055.1	2092.4	2397.4	3322.7	5085.2	7793.3	10110.5	10907.0	10500.3	10245.0	10282.2
70°	1241.6	1266.5	1471.0	2054.0	3390.5	6182.2	9162.6	10875.4	10651.7	10276.6	10298.1
72.5°	808.9	816.8	850.7	1054.1	1732.0	3457.2	6877.0	10134.2	10878.8	10460.8	10457.4
75°	672.2	667.7	671.1	694.8	854.1	1516.2	4018.7	8005.7	10370.4	10170.4	10099.2
77.5°	568.3	564.9	563.8	564.9	571.7	732.1	1744.4	4986.9	7935.7	8996.5	9059.8
80°	459.8	455.3	470.0	463.2	442.9	455.3	731.0	2074.3	3740.7	4024.3	3771.2
82.5°	334.4	317.5	380.7	362.7	345.7	320.9	403.3	670.0	892.5	612.3	430.5
85°	257.6	239.5	289.2	277.9	237.3	163.8	239.5	327.6	361.5	206.8	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)