

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: P316161

Luminaire Tested: **GAN-SA7B-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316161
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-SA7B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42575 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

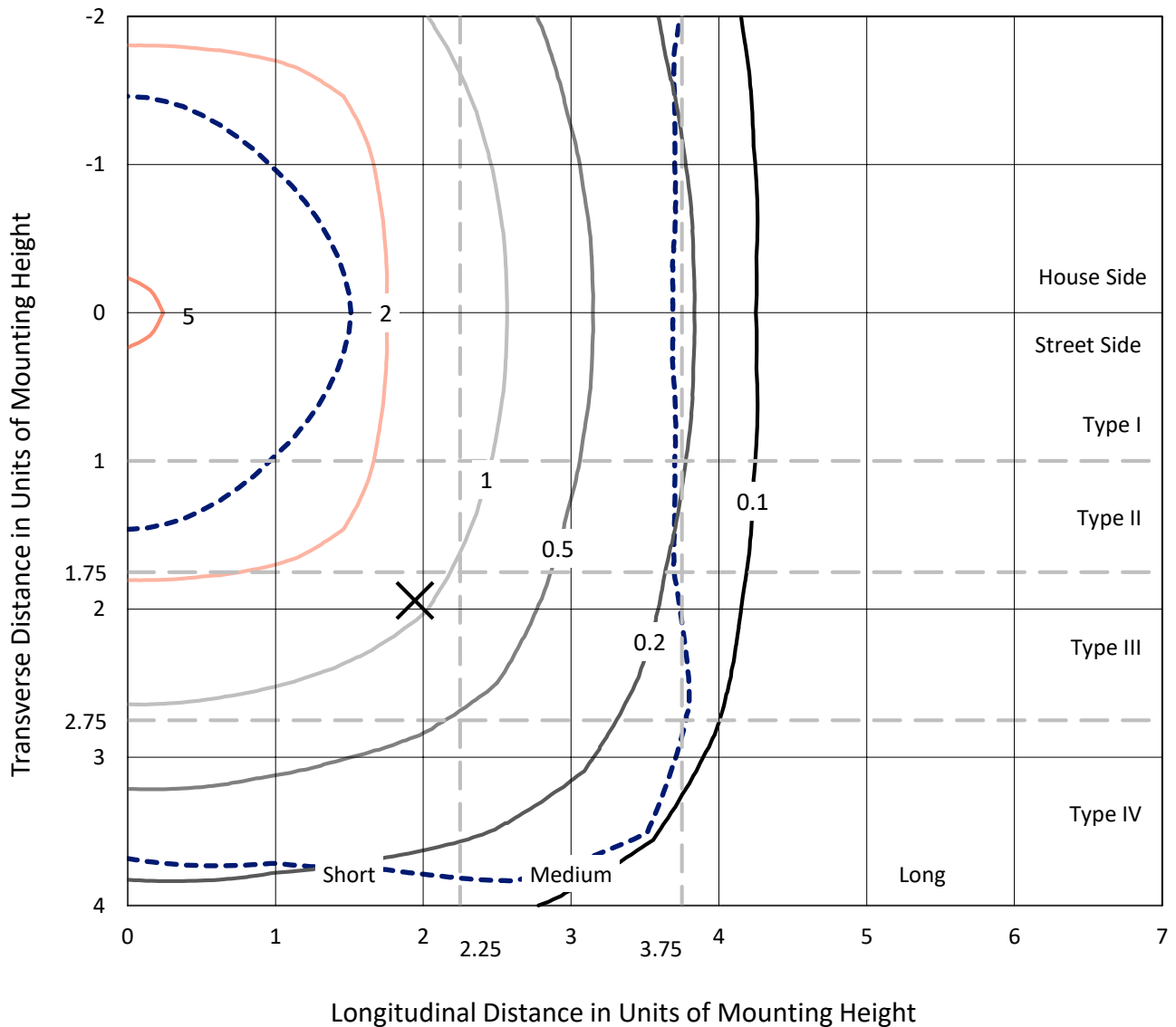
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

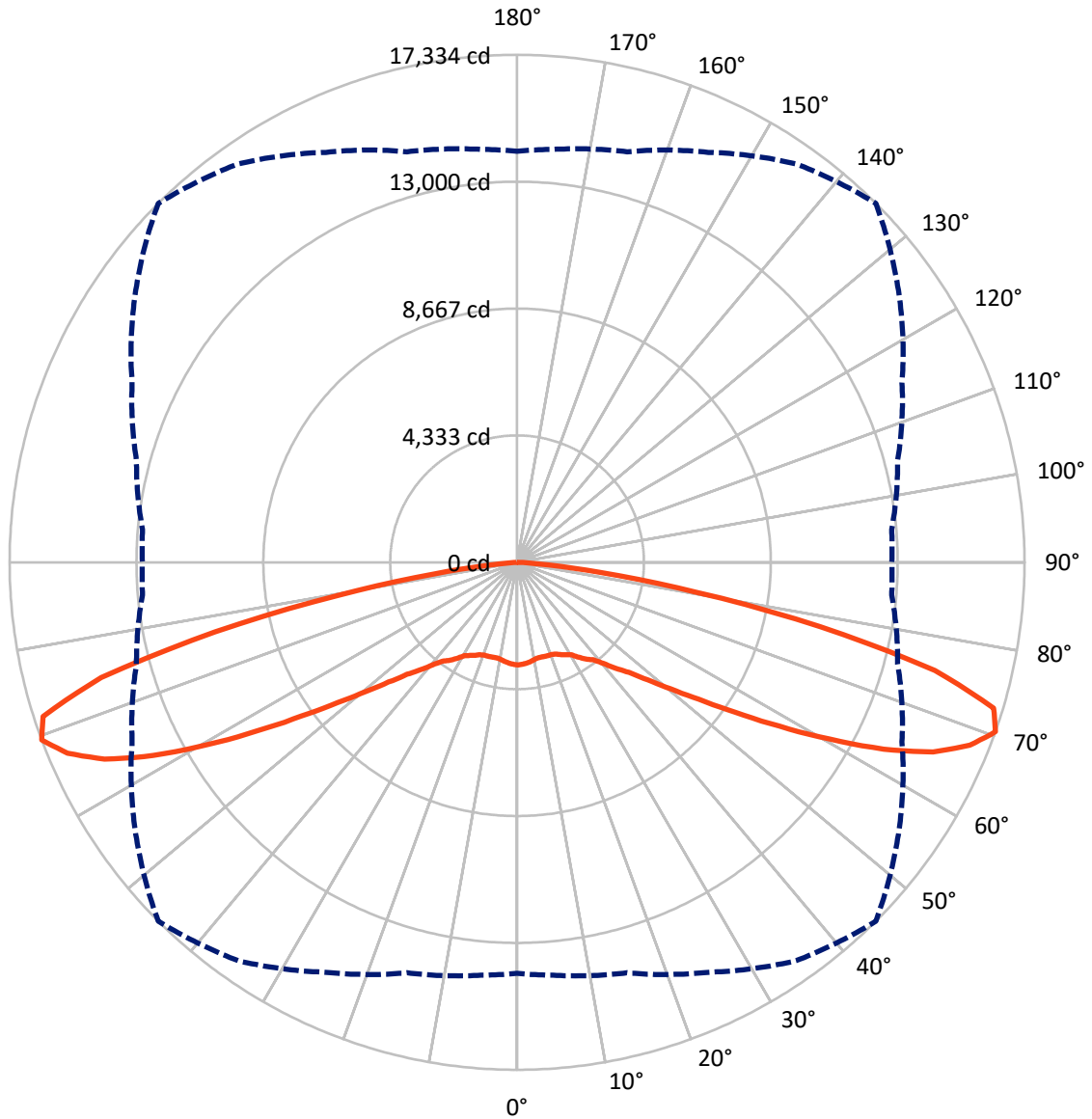
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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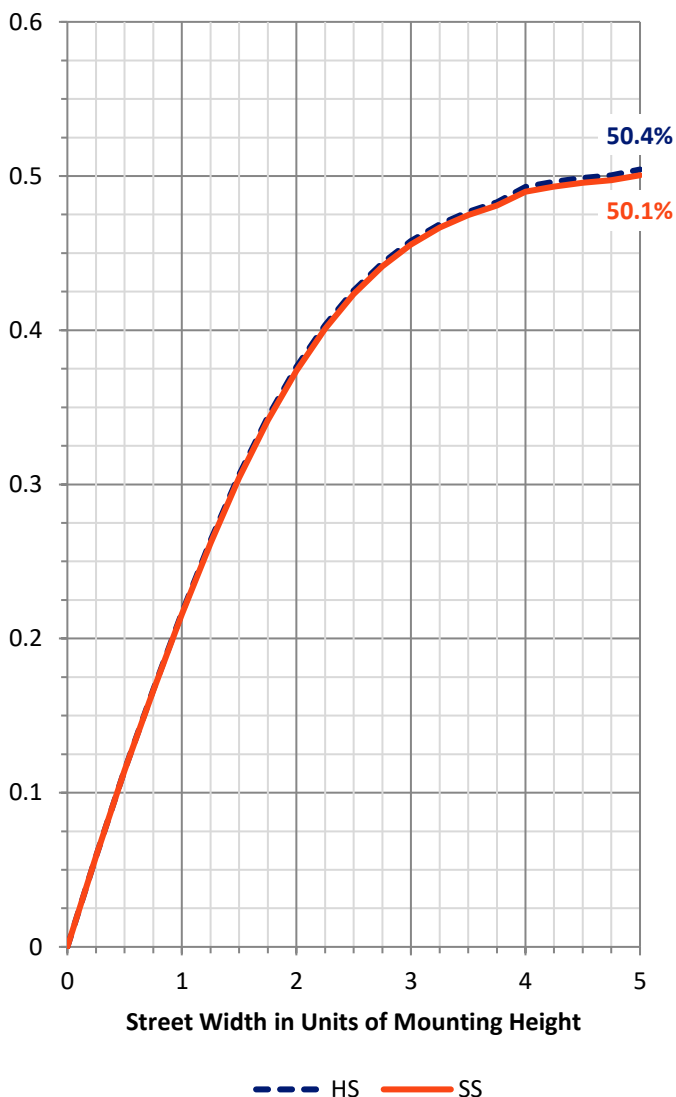
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21287.5	0.0	21287.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21287.5	0.0	21287.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42575.0	0.0	42575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.0	0.8
10°-20°	955.3	2.2
20°-30°	1628.7	3.8
30°-40°	2544.9	6.0
40°-50°	4313.0	10.1
50°-60°	7865.2	18.5
60°-70°	13540.4	31.8
70°-80°	10613.5	24.9
80°-90°	787.0	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°	42575.0	100.0
0°-180°	42575.0	100.0

Coefficient of Utilization

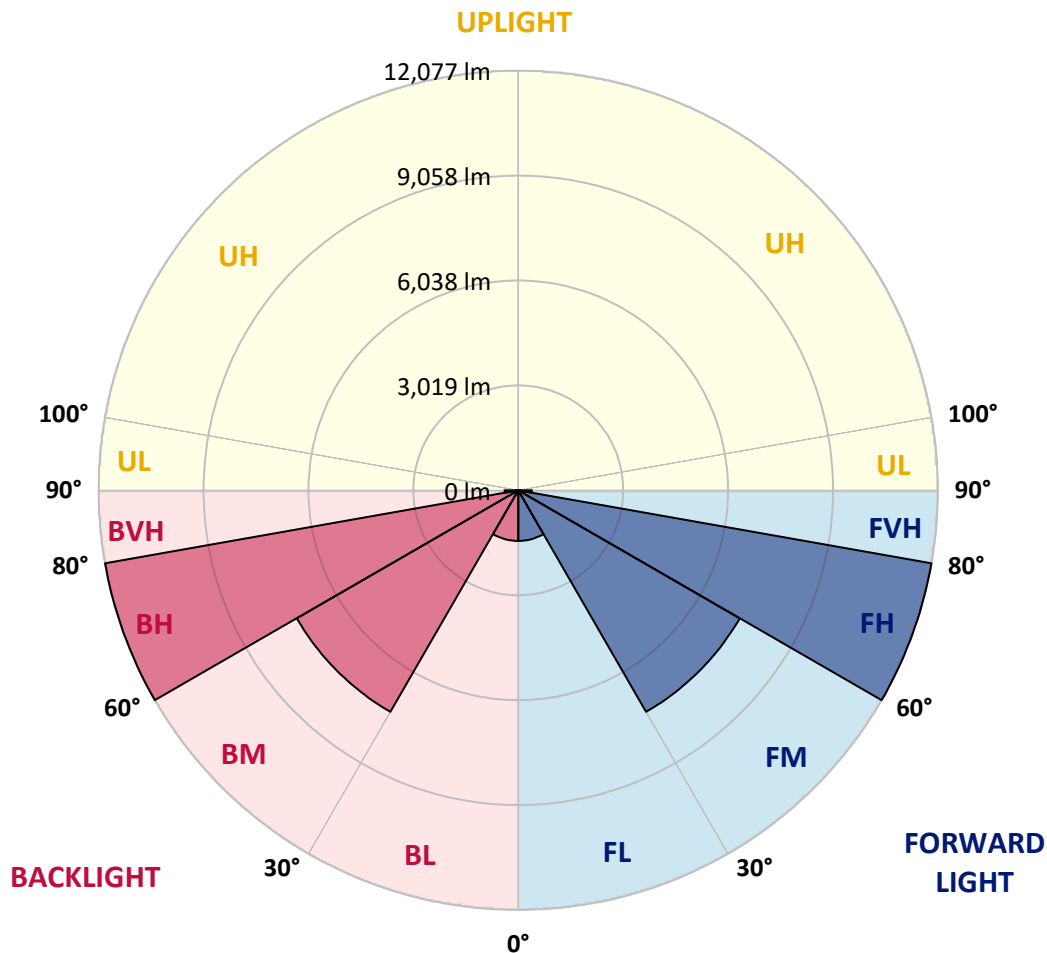


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.5	3.4			
FM (30°-60°)	7361.6	17.3			
FH (60°-80°)	12076.9	28.4			G5
FVH (80°-90°)	393.5	0.9			G3/500
BL (0°-30°)	1455.5	3.4	B3/2500		
BM (30°-60°)	7361.6	17.3	B4/8500		
BH (60°-80°)	12076.9	28.4	B5		G5
BVH (80°-90°)	393.5	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°	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9	3503.9
2.5°	3488.4	3492.7	3488.4	3491.3	3484.2	3487.0	3487.0	3487.0	3485.6	3487.0	3484.2
5°	3457.5	3460.3	3454.6	3457.5	3453.2	3457.5	3458.9	3457.5	3454.6	3456.0	3450.4
7.5°	3411.0	3413.8	3409.6	3413.8	3408.2	3415.2	3413.8	3409.6	3405.3	3405.3	3399.7
10°	3385.6	3387.0	3375.8	3371.5	3358.9	3361.7	3365.9	3370.1	3374.4	3382.8	3381.4
12.5°	3387.0	3387.0	3370.1	3351.8	3333.5	3337.7	3344.8	3360.3	3377.2	3392.7	3394.1
15°	3401.1	3399.7	3374.4	3344.8	3332.1	3344.8	3349.0	3358.9	3385.6	3412.4	3413.8
17.5°	3411.0	3411.0	3371.5	3337.7	3336.3	3356.1	3354.6	3358.9	3388.4	3427.9	3429.3
20°	3429.3	3429.3	3378.6	3342.0	3342.0	3363.1	3364.5	3371.5	3401.1	3444.8	3451.8
22.5°	3470.1	3471.5	3418.0	3388.4	3391.3	3403.9	3408.2	3419.4	3446.2	3494.1	3502.5
25°	3527.9	3530.7	3475.8	3458.9	3468.7	3492.7	3489.8	3498.3	3527.9	3574.3	3582.8
27.5°	3608.1	3601.1	3550.4	3543.4	3553.2	3570.1	3568.7	3570.1	3594.1	3636.3	3646.2
30°	3712.4	3709.5	3672.9	3677.2	3672.9	3667.3	3668.7	3680.0	3692.6	3726.4	3736.3
32.5°	3813.8	3816.6	3794.0	3815.2	3846.2	3867.3	3834.9	3803.9	3789.8	3808.1	3816.6
35°	3996.8	4003.9	3968.7	3954.6	3996.8	4058.8	3967.3	3916.6	3944.7	3968.7	3975.7
37.5°	4308.1	4312.3	4253.2	4196.8	4165.8	4225.0	4133.5	4137.7	4236.3	4281.3	4279.9
40°	4663.0	4664.4	4625.0	4575.7	4522.2	4536.2	4499.6	4510.9	4575.7	4616.5	4627.8
42.5°	5085.5	5081.3	5019.3	4948.9	4933.4	4947.5	4885.5	4877.1	4951.7	5024.9	5026.3
45°	5633.3	5623.5	5543.2	5465.7	5391.1	5360.1	5344.6	5385.5	5488.3	5555.9	5557.3
47.5°	6223.4	6196.7	6154.4	6092.4	6027.7	5996.7	5971.3	5991.0	6065.7	6092.4	6095.3
50°	6830.4	6836.0	6844.5	6820.5	6796.6	6786.7	6720.6	6682.5	6705.1	6655.8	6648.7
52.5°	7550.1	7561.3	7643.0	7712.0	7752.9	7774.0	7648.6	7517.7	7444.4	7348.7	7320.5
55°	8399.3	8417.6	8537.3	8728.8	8926.0	9030.2	8803.5	8558.4	8331.7	8152.8	8095.1
57.5°	9345.7	9378.1	9542.9	9910.4	10314.6	10561.1	10178.0	9733.0	9295.0	9037.3	8992.2
60°	10455.5	10486.4	10714.6	11241.3	11896.2	12266.6	11686.3	10958.2	10413.2	10166.7	10083.7
62.5°	11776.5	11779.3	12059.5	12675.0	13539.7	14055.1	13269.3	12296.1	11734.2	11437.1	11356.8
65°	13197.5	13204.5	13494.6	14159.4	15053.7	15614.2	14726.9	13712.9	13025.7	12587.7	12525.7
67.5°	14201.6	14231.2	14536.8	15336.7	16173.3	16678.9	15760.6	14614.3	13820.0	13297.5	13245.4
70°	14041.1	14156.5	14515.7	15449.4	16612.7	17333.7	15928.2	14507.2	13459.4	12842.6	12798.9
72.5°	12245.4	12466.5	12945.4	14170.6	16031.0	17023.9	15014.2	12993.3	11807.4	11282.1	11203.3
75°	8338.7	8697.9	9420.3	11187.8	13696.0	14739.6	12639.8	10359.7	9244.3	8517.6	8464.1
77.5°	3718.0	3799.7	4715.1	6750.1	9451.3	10585.0	9183.7	6776.9	5086.9	4057.4	3840.5
80°	1036.5	1049.2	1399.9	2513.9	4730.6	6219.2	5078.4	2640.6	1484.4	1046.4	985.8
82.5°	329.5	357.7	436.6	652.1	1590.0	2837.8	1632.3	704.2	501.4	400.0	360.5
85°	160.5	159.1	221.1	264.8	405.6	628.1	432.4	326.7	285.9	190.1	171.8
87.5°	67.6	69.0	102.8	92.9	118.3	101.4	139.4	146.5	153.5	84.5	73.2
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)