

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: P316122

Luminaire Tested: **GAN-SA8B-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316122  
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-SA8B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 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: 43931 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

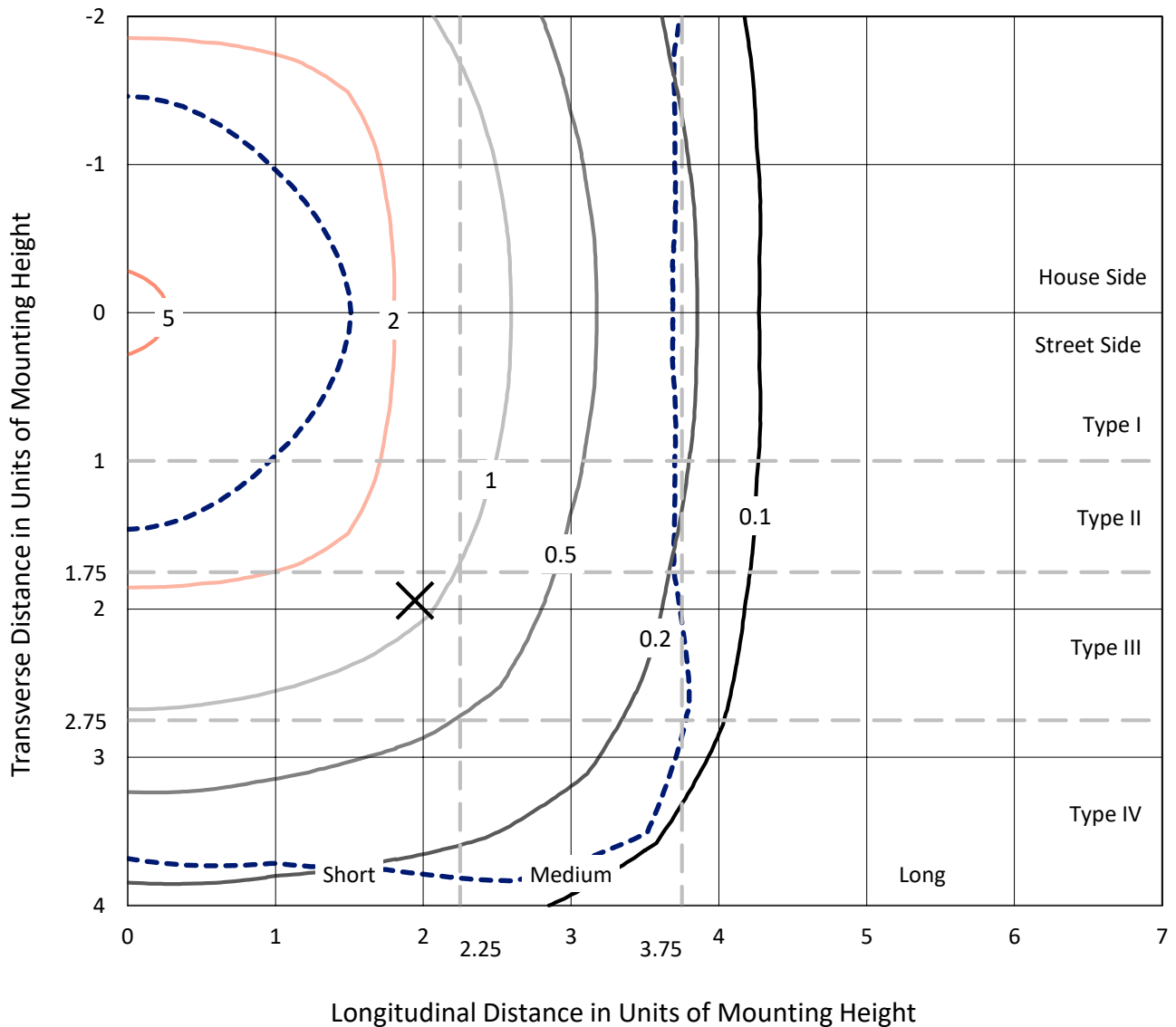
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

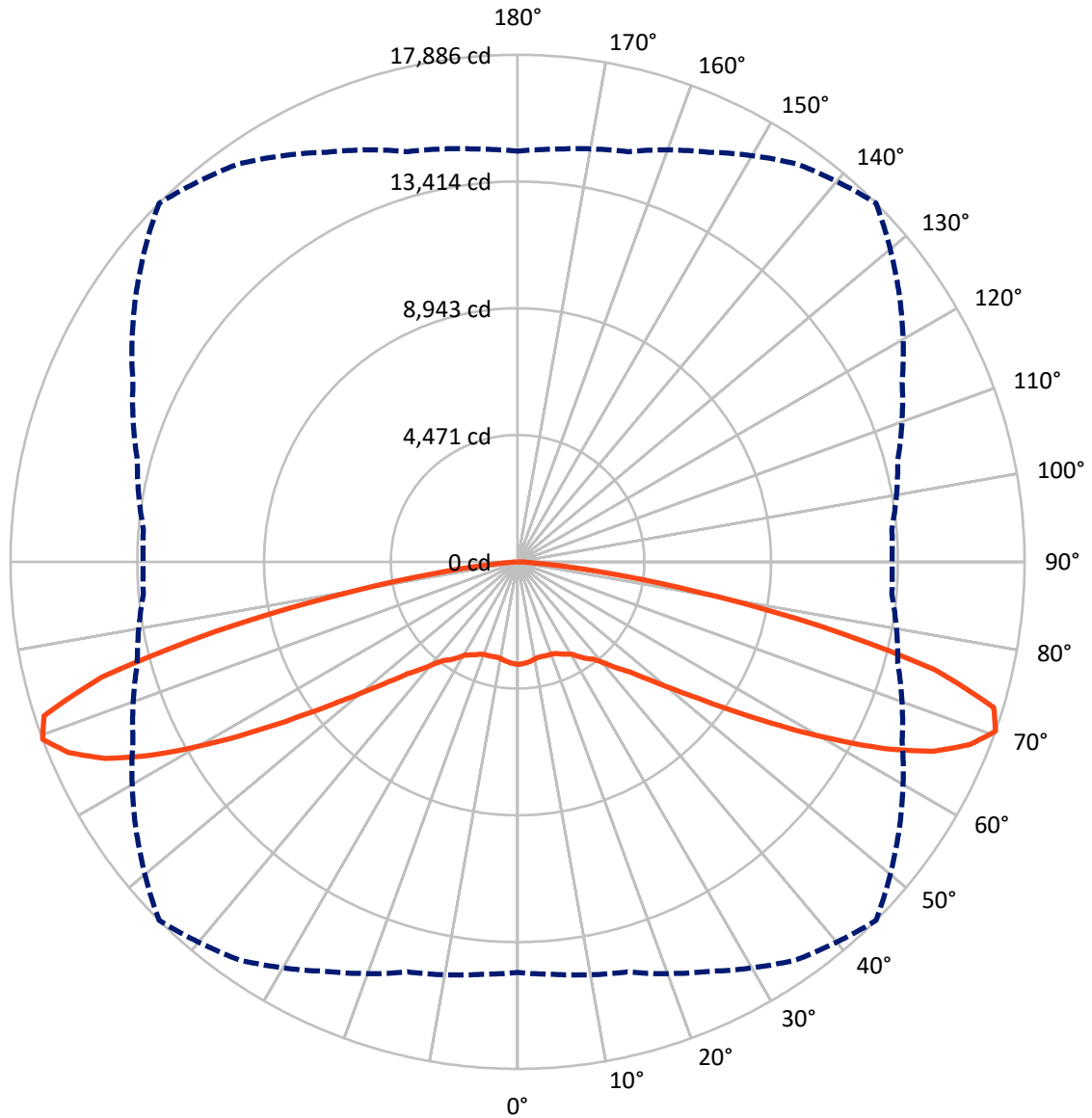
✕ Max cd  
 - - - 1/2 Max cd



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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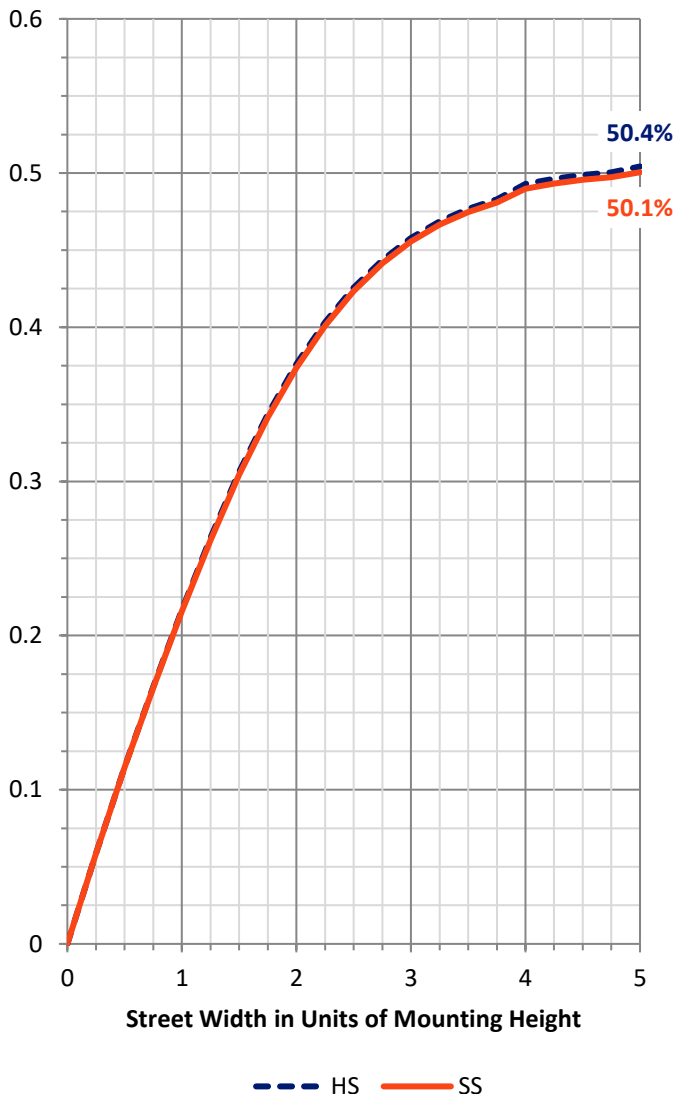
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21965.5	0.0	21965.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21965.5	0.0	21965.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43931.0	0.0	43931.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.5	0.8
10°-20°	985.7	2.2
20°-30°	1680.6	3.8
30°-40°	2626.0	6.0
40°-50°	4450.4	10.1
50°-60°	8115.7	18.5
60°-70°	13971.7	31.8
70°-80°	10951.5	24.9
80°-90°	812.0	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°	43931.0	100.0
0°-180°	43931.0	100.0



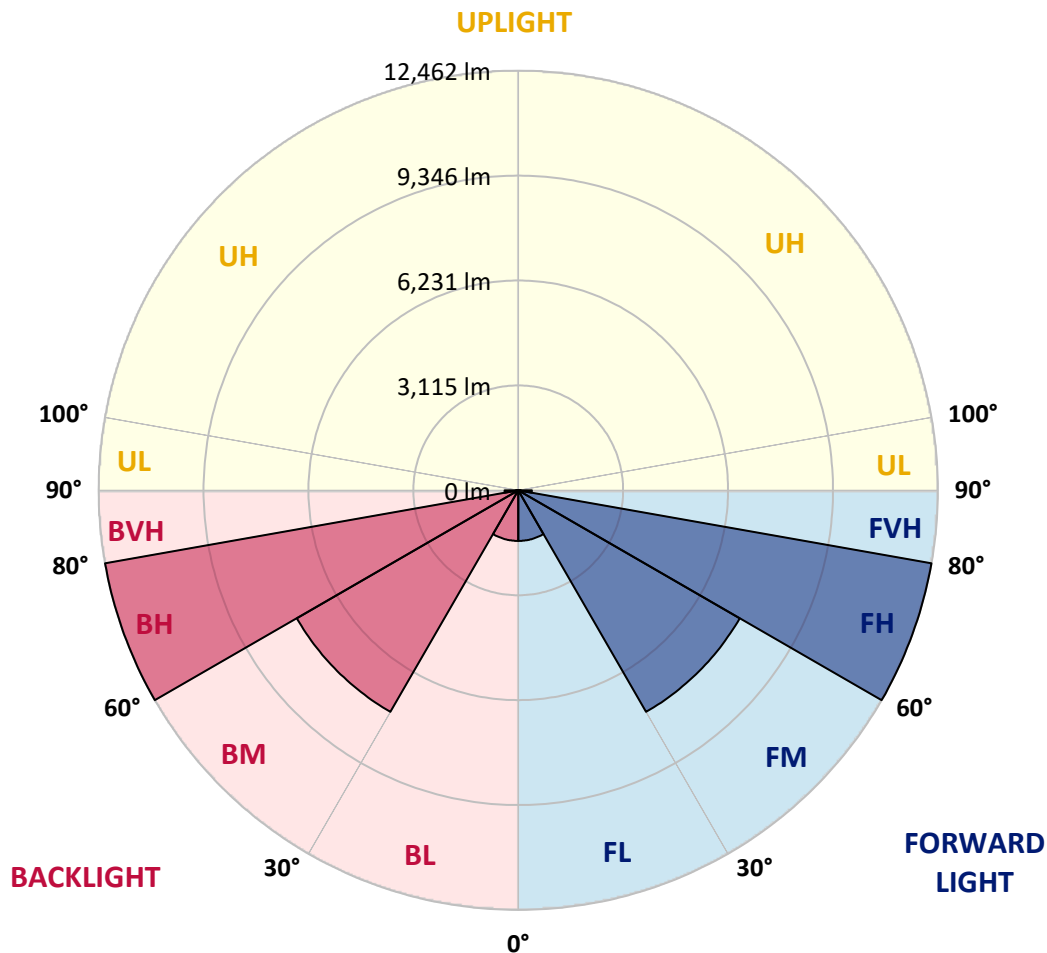
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1501.9	3.4			
FM (30°-60°)	7596.0	17.3			
FH (60°-80°)	12461.6	28.4			G5
FVH (80°-90°)	406.0	0.9			G3/500
BL (0°-30°)	1501.9	3.4	B3/2500		
BM (30°-60°)	7596.0	17.3	B4/8500		
BH (60°-80°)	12461.6	28.4	B5		G5
BVH (80°-90°)	406.0	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°	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5	3615.5
2.5°	3599.5	3603.9	3599.5	3602.4	3595.2	3598.1	3598.1	3598.1	3596.6	3598.1	3595.2
5°	3567.6	3570.5	3564.7	3567.6	3563.2	3567.6	3569.0	3567.6	3564.7	3566.1	3560.3
7.5°	3519.6	3522.5	3518.2	3522.5	3516.7	3524.0	3522.5	3518.2	3513.8	3513.8	3508.0
10°	3493.5	3494.9	3483.3	3478.9	3465.8	3468.8	3473.1	3477.5	3481.8	3490.6	3489.1
12.5°	3494.9	3494.9	3477.5	3458.6	3439.7	3444.1	3451.3	3467.3	3484.7	3500.7	3502.2
15°	3509.4	3508.0	3481.8	3451.3	3438.2	3451.3	3455.7	3465.8	3493.5	3521.1	3522.5
17.5°	3519.6	3519.6	3478.9	3444.1	3442.6	3462.9	3461.5	3465.8	3496.4	3537.1	3538.5
20°	3538.5	3538.5	3486.2	3448.4	3448.4	3470.2	3471.7	3478.9	3509.4	3554.5	3561.8
22.5°	3580.7	3582.1	3526.9	3496.4	3499.3	3512.4	3516.7	3528.3	3555.9	3605.4	3614.1
25°	3640.2	3643.1	3586.5	3569.0	3579.2	3603.9	3601.0	3609.7	3640.2	3688.2	3696.9
27.5°	3723.1	3715.8	3663.5	3656.2	3666.4	3683.8	3682.4	3683.8	3708.5	3752.1	3762.3
30°	3830.6	3827.7	3789.9	3794.3	3789.9	3784.1	3785.6	3797.2	3810.3	3845.1	3855.3
32.5°	3935.2	3938.1	3914.9	3936.7	3968.7	3990.4	3957.0	3925.1	3910.5	3929.4	3938.1
35°	4124.1	4131.4	4095.1	4080.5	4124.1	4188.1	4093.6	4041.3	4070.4	4095.1	4102.3
37.5°	4445.3	4449.7	4388.6	4330.5	4298.5	4359.6	4265.1	4269.5	4371.2	4417.7	4416.2
40°	4811.5	4813.0	4772.3	4721.4	4666.2	4680.7	4642.9	4654.6	4721.4	4763.5	4775.2
42.5°	5247.5	5243.1	5179.2	5106.5	5090.5	5105.0	5041.1	5032.4	5109.4	5185.0	5186.4
45°	5812.7	5802.6	5719.7	5639.8	5562.8	5530.8	5514.8	5557.0	5663.1	5732.8	5734.3
47.5°	6421.6	6394.0	6350.4	6286.5	6219.6	6187.7	6161.5	6181.9	6258.9	6286.5	6289.4
50°	7048.0	7053.8	7062.5	7037.8	7013.1	7002.9	6934.6	6895.4	6918.6	6867.8	6860.5
52.5°	7790.5	7802.2	7886.4	7957.6	7999.8	8021.6	7892.3	7757.1	7681.5	7582.7	7553.7
55°	8666.8	8685.7	8809.2	9006.8	9210.3	9317.8	9083.9	8831.0	8597.0	8412.5	8352.9
57.5°	9643.3	9676.8	9846.8	10226.1	10643.1	10897.4	10502.2	10043.0	9591.0	9325.1	9278.6
60°	10788.5	10820.4	11055.8	11599.3	12275.1	12657.3	12058.5	11307.2	10744.9	10490.6	10404.8
62.5°	12151.5	12154.4	12443.6	13078.7	13970.9	14502.8	13691.9	12687.8	12107.9	11801.3	11718.5
65°	13617.8	13625.1	13924.4	14610.3	15533.1	16111.5	15196.0	14149.7	13440.5	12988.6	12924.6
67.5°	14653.9	14684.4	14999.8	15825.2	16688.4	17210.1	16262.6	15079.7	14260.1	13721.0	13667.2
70°	14488.3	14607.4	14978.0	15941.5	17141.8	17885.8	16435.5	14969.3	13888.1	13251.6	13206.6
72.5°	12635.5	12863.6	13357.7	14622.0	16541.6	17566.1	15492.4	13407.1	12183.5	11641.5	11560.1
75°	8604.3	8974.9	9720.4	11544.1	14132.2	15209.0	13042.3	10689.6	9538.7	8788.9	8733.6
77.5°	3836.4	3920.7	4865.3	6965.1	9752.3	10922.1	9476.2	6992.7	5248.9	4186.6	3962.8
80°	1069.5	1082.6	1444.5	2593.9	4881.3	6417.3	5240.2	2724.7	1531.7	1079.7	1017.2
82.5°	340.0	369.1	450.5	672.8	1640.6	2928.2	1684.2	726.6	517.3	412.7	372.0
85°	165.7	164.2	228.2	273.2	418.5	648.1	446.1	337.1	295.0	196.2	177.3
87.5°	69.8	71.2	106.1	95.9	122.1	104.6	143.9	151.1	158.4	87.2	75.6
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)