

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: P316121

Luminaire Tested: **GAN-SA7B-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316121  
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-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 38774 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

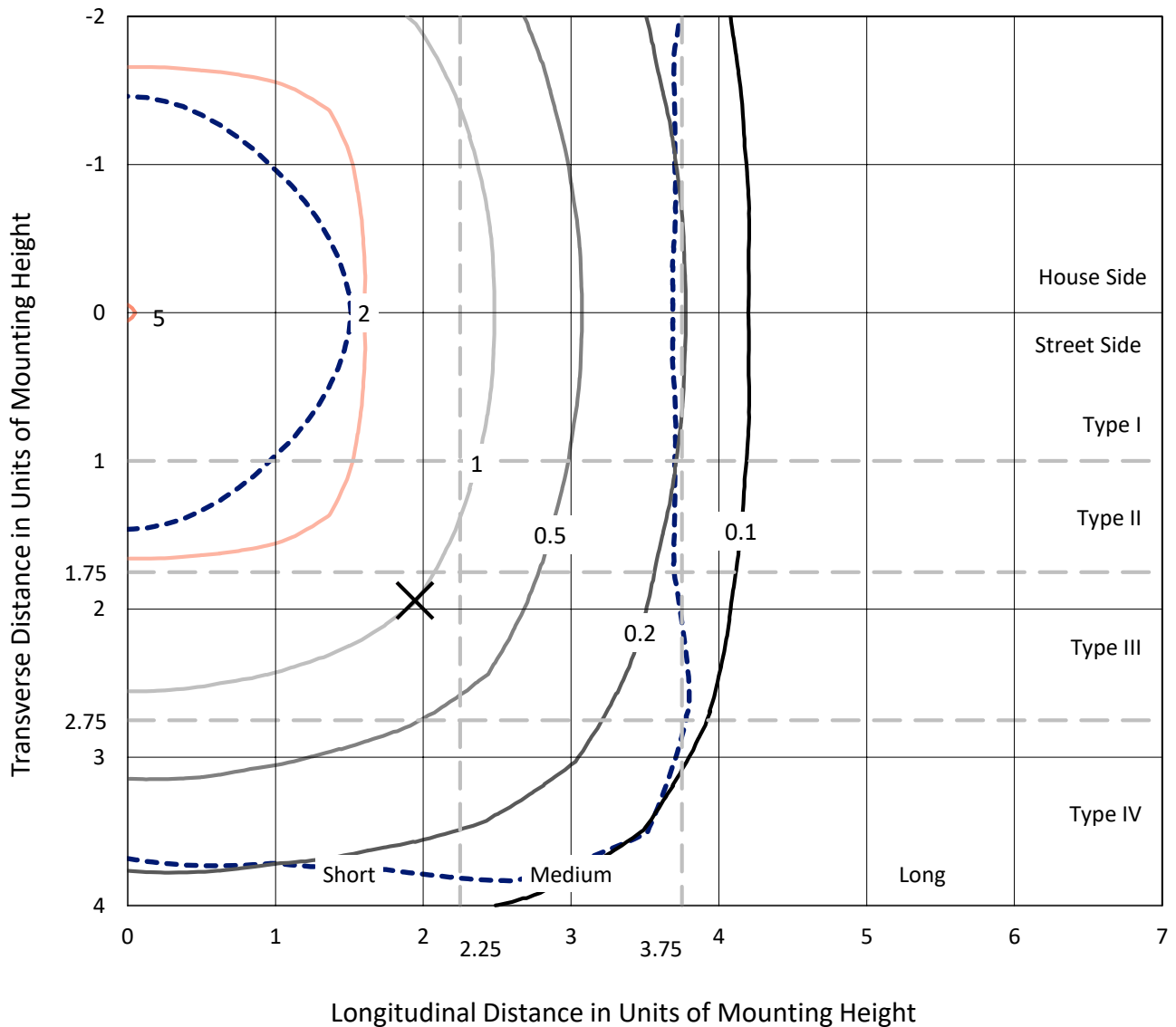
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

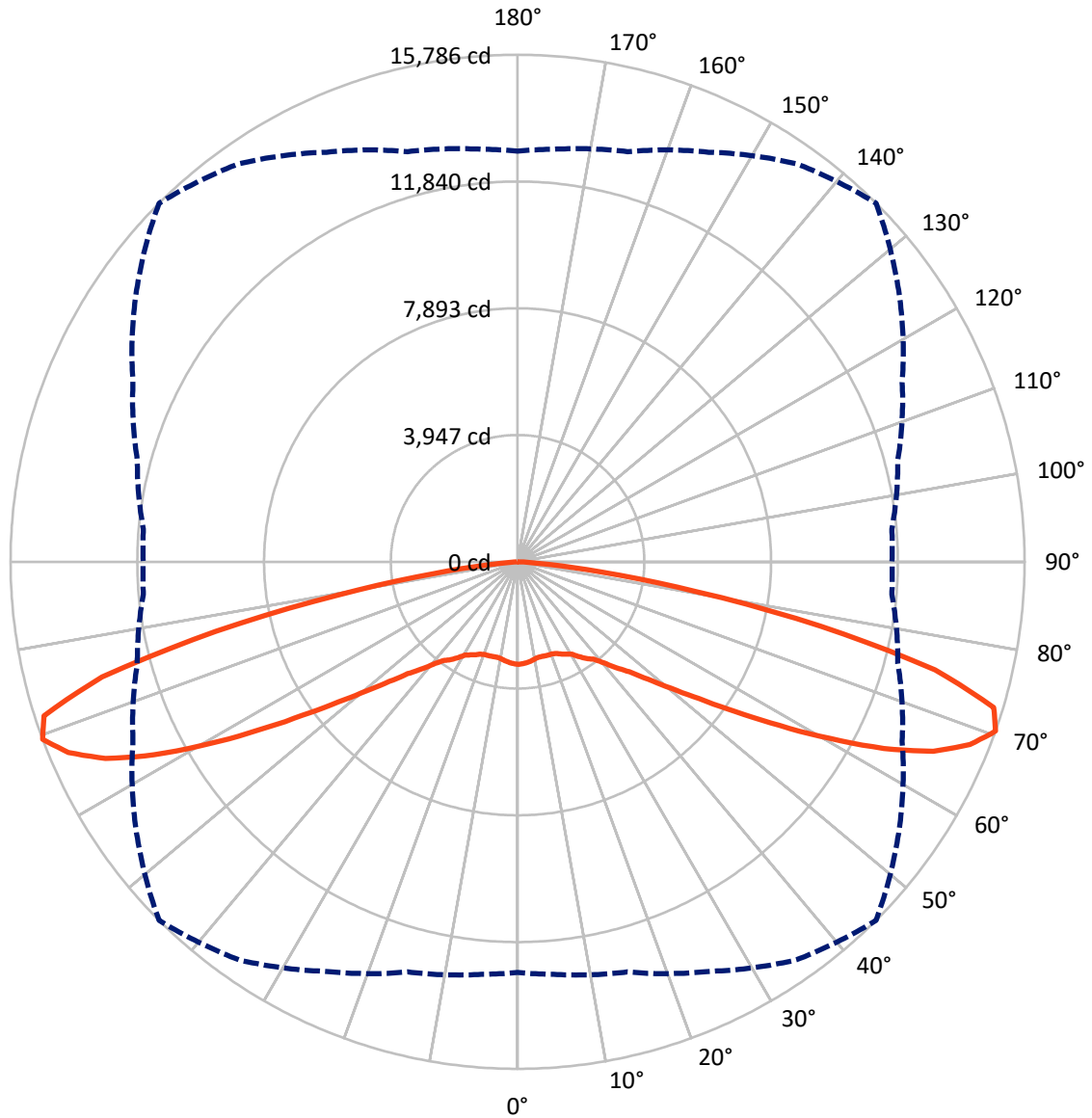
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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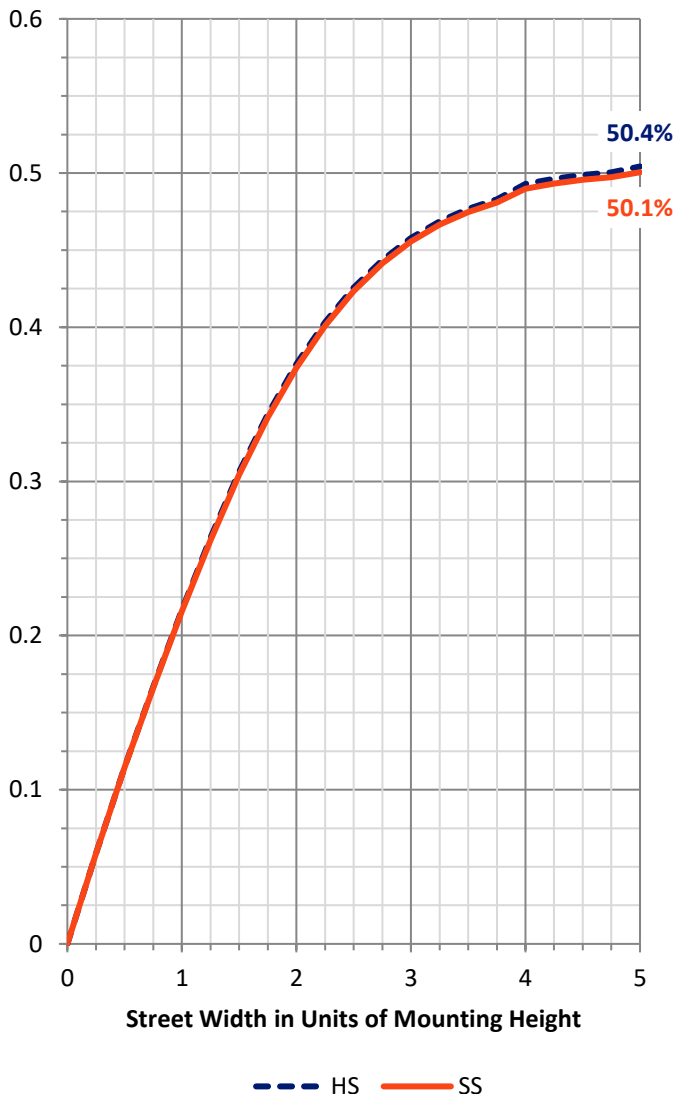
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19387.0	0.0	19387.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19387.0	0.0	19387.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38774.0	0.0	38774.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.8	0.8
10°-20°	870.0	2.2
20°-30°	1483.3	3.8
30°-40°	2317.7	6.0
40°-50°	3928.0	10.1
50°-60°	7163.0	18.5
60°-70°	12331.6	31.8
70°-80°	9665.9	24.9
80°-90°	716.7	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°	38774.0	100.0
0°-180°	38774.0	100.0



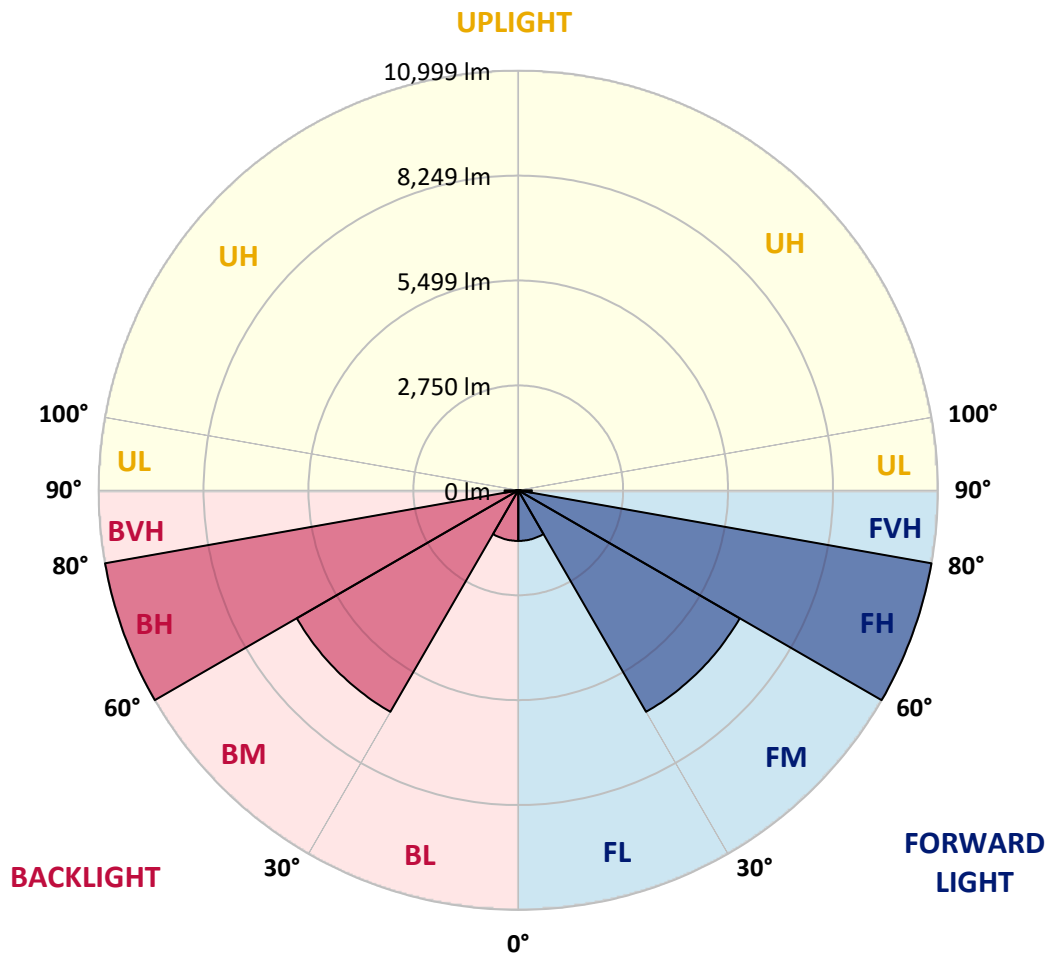
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1325.6	3.4			
FM (30°-60°)	6704.3	17.3			
FH (60°-80°)	10998.7	28.4			G4/12000
FVH (80°-90°)	358.4	0.9			G3/500
BL (0°-30°)	1325.6	3.4	B3/2500		
BM (30°-60°)	6704.3	17.3	B4/8500		
BH (60°-80°)	10998.7	28.4	B5		G4/12000
BVH (80°-90°)	358.4	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-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1	3191.1
2.5°	3177.0	3180.8	3177.0	3179.6	3173.1	3175.7	3175.7	3175.7	3174.4	3175.7	3173.1
5°	3148.8	3151.3	3146.2	3148.8	3144.9	3148.8	3150.1	3148.8	3146.2	3147.5	3142.4
7.5°	3106.5	3109.0	3105.2	3109.0	3103.9	3110.3	3109.0	3105.2	3101.3	3101.3	3096.2
10°	3083.4	3084.6	3074.4	3070.5	3059.0	3061.6	3065.4	3069.3	3073.1	3080.8	3079.5
12.5°	3084.6	3084.6	3069.3	3052.6	3035.9	3039.8	3046.2	3060.3	3075.7	3089.8	3091.1
15°	3097.5	3096.2	3073.1	3046.2	3034.6	3046.2	3050.0	3059.0	3083.4	3107.7	3109.0
17.5°	3106.5	3106.5	3070.5	3039.8	3038.5	3056.4	3055.2	3059.0	3085.9	3121.8	3123.1
20°	3123.1	3123.1	3077.0	3043.6	3043.6	3062.8	3064.1	3070.5	3097.5	3137.2	3143.6
22.5°	3160.3	3161.6	3112.9	3085.9	3088.5	3100.0	3103.9	3114.1	3138.5	3182.1	3189.8
25°	3212.9	3215.5	3165.5	3150.1	3159.0	3180.8	3178.3	3186.0	3212.9	3255.2	3262.9
27.5°	3286.0	3279.6	3233.4	3227.0	3236.0	3251.4	3250.1	3251.4	3273.2	3311.7	3320.6
30°	3380.9	3378.4	3345.0	3348.9	3345.0	3339.9	3341.2	3351.4	3363.0	3393.8	3402.7
32.5°	3473.3	3475.8	3455.3	3474.6	3502.8	3522.0	3492.5	3464.3	3451.5	3468.1	3475.8
35°	3640.0	3646.4	3614.4	3601.5	3640.0	3696.4	3613.1	3566.9	3592.6	3614.4	3620.8
37.5°	3923.5	3927.3	3873.4	3822.1	3793.9	3847.8	3764.4	3768.3	3858.1	3899.1	3897.8
40°	4246.7	4248.0	4212.1	4167.2	4118.4	4131.3	4097.9	4108.2	4167.2	4204.4	4214.6
42.5°	4631.5	4627.6	4571.2	4507.1	4492.9	4505.8	4449.3	4441.6	4509.6	4576.3	4577.6
45°	5130.4	5121.4	5048.3	4977.8	4909.8	4881.6	4867.5	4904.7	4998.3	5059.9	5061.1
47.5°	5667.8	5643.4	5605.0	5548.5	5489.5	5461.3	5438.2	5456.2	5524.2	5548.5	5551.1
50°	6220.6	6225.7	6233.4	6211.6	6189.8	6180.8	6120.6	6085.9	6106.5	6061.6	6055.1
52.5°	6876.0	6886.3	6960.7	7023.5	7060.7	7079.9	6965.8	6846.5	6779.8	6692.6	6666.9
55°	7649.4	7666.1	7775.1	7949.5	8129.1	8224.0	8017.5	7794.4	7587.9	7425.0	7372.4
57.5°	8511.3	8540.8	8690.9	9025.6	9393.8	9618.2	9269.3	8864.0	8465.2	8230.4	8189.4
60°	9522.0	9550.2	9758.0	10237.7	10834.1	11171.4	10643.0	9979.9	9483.5	9259.1	9183.4
62.5°	10725.1	10727.7	10982.9	11543.4	12330.9	12800.3	12084.6	11198.4	10686.6	10416.0	10342.9
65°	12019.2	12025.6	12289.9	12895.2	13709.7	14220.2	13412.1	12488.7	11862.8	11463.9	11407.4
67.5°	12933.7	12960.7	13239.0	13967.5	14729.4	15189.8	14353.6	13309.5	12586.1	12110.3	12062.8
70°	12787.5	12892.7	13219.7	14070.1	15129.5	15786.2	14506.2	13212.0	12257.8	11696.0	11656.3
72.5°	11152.2	11353.6	11789.6	12905.5	14599.8	15504.1	13673.8	11833.3	10753.3	10274.9	10203.1
75°	7594.3	7921.3	8579.3	10189.0	12473.3	13423.7	11511.3	9434.8	8419.0	7757.2	7708.4
77.5°	3386.1	3460.5	4294.1	6147.5	8607.5	9640.0	8363.8	6171.9	4632.7	3695.2	3497.6
80°	944.0	955.5	1274.9	2289.4	4308.2	5664.0	4625.1	2404.9	1351.9	953.0	897.8
82.5°	300.1	325.8	397.6	593.8	1448.1	2584.4	1486.5	641.3	456.6	364.3	328.3
85°	146.2	144.9	201.4	241.1	369.4	572.0	393.8	297.6	260.4	173.2	156.5
87.5°	61.6	62.8	93.6	84.7	107.7	92.3	127.0	133.4	139.8	77.0	66.7
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)