

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: P317079

Luminaire Tested: **GAN-SA5B-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317079  
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-SA5B-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26588 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

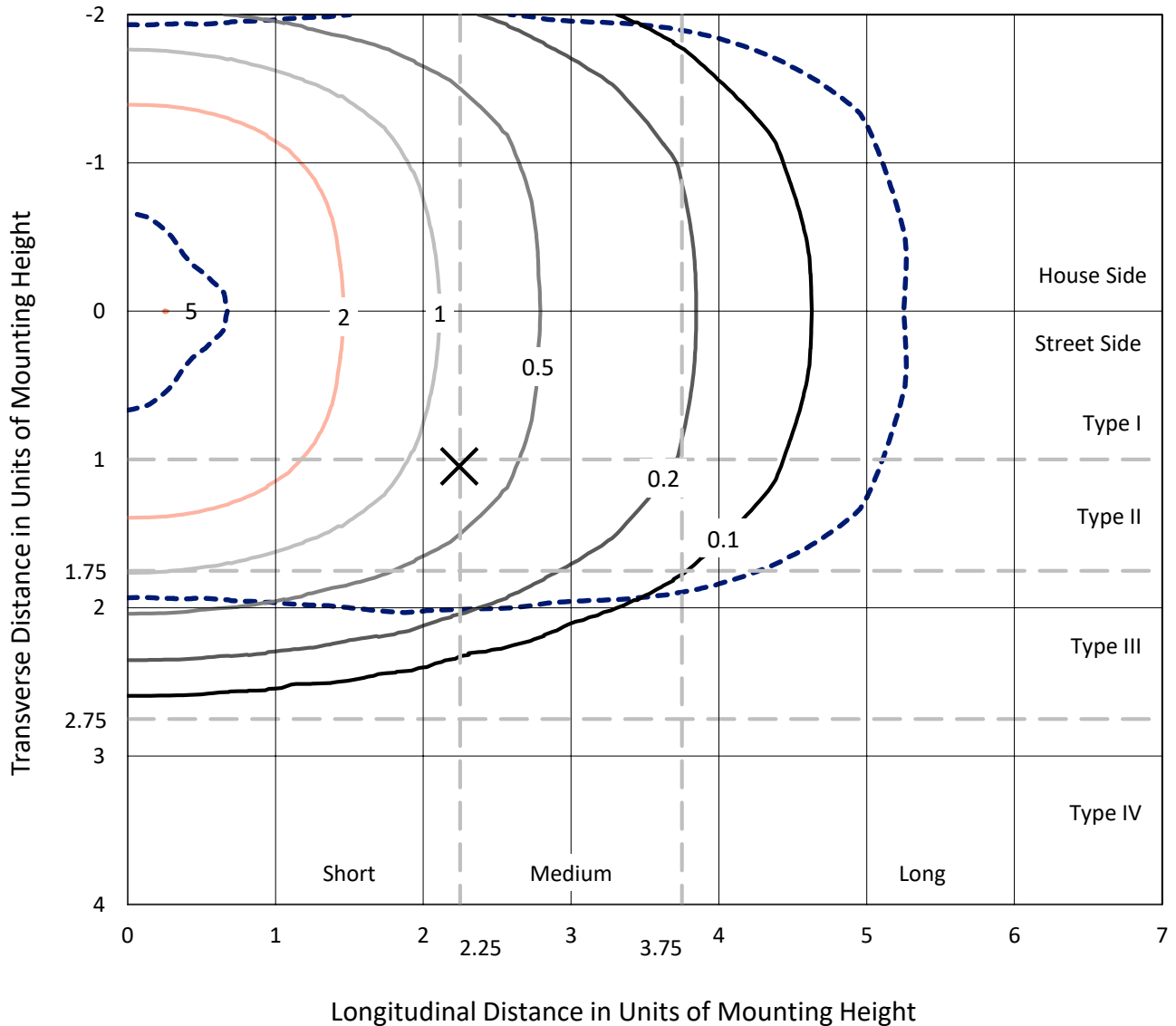
Input Watts (W): 210  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

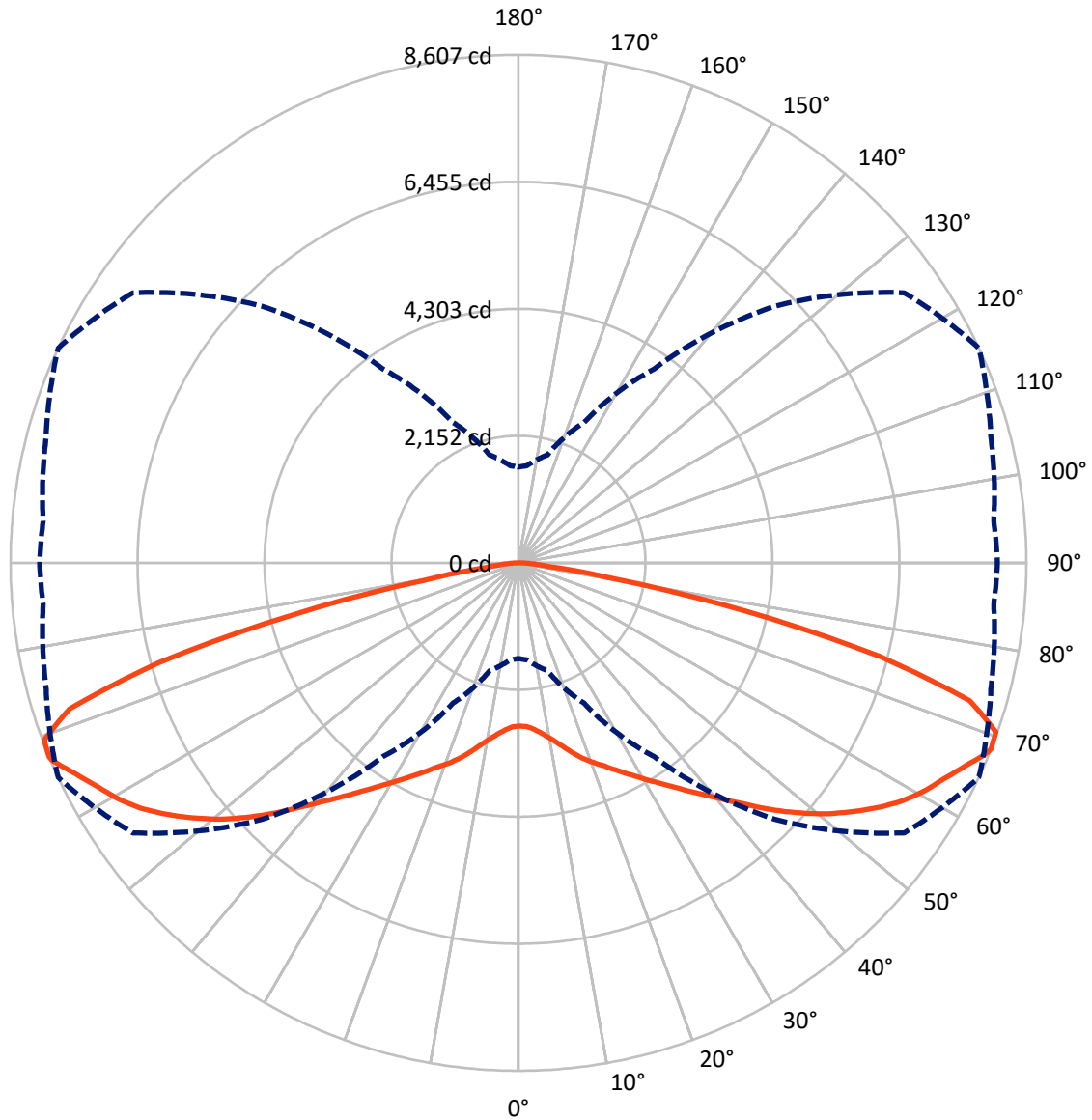
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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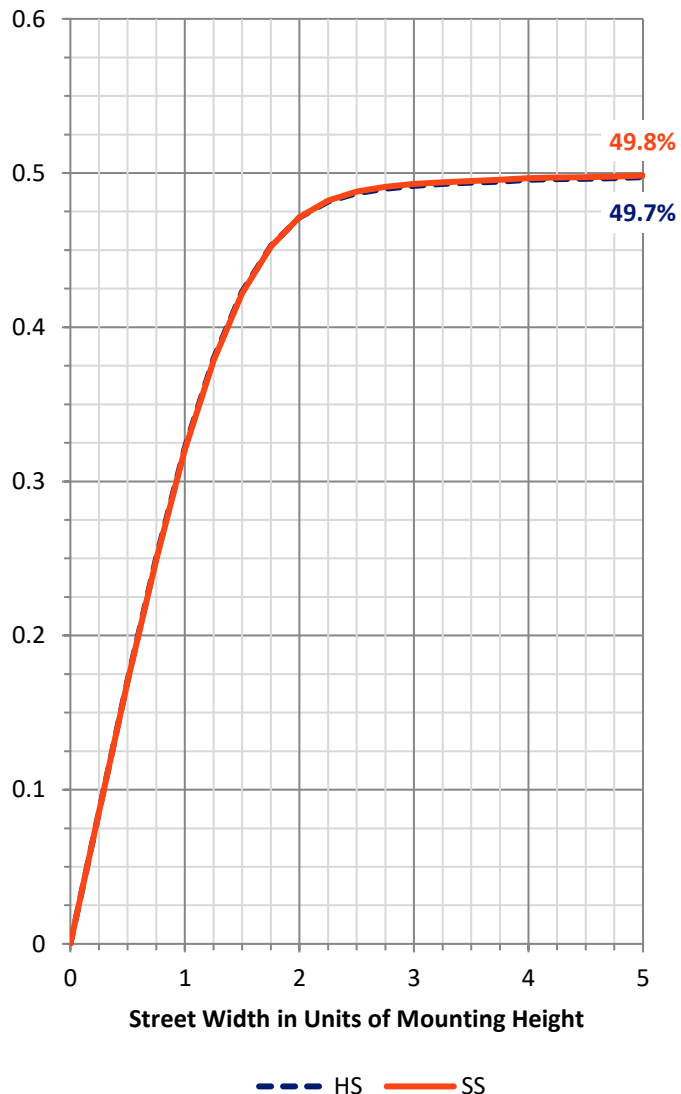
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13294.0	0.0	13294.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13294.0	0.0	13294.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26588.0	0.0	26588.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.7	1.0
10°-20°	906.3	3.4
20°-30°	1767.1	6.6
30°-40°	2968.5	11.2
40°-50°	4677.3	17.6
50°-60°	6255.2	23.5
60°-70°	6080.8	22.9
70°-80°	3324.1	12.5
80°-90°	338.1	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°	26588.0	100.0
0°-180°	26588.0	100.0

**Coefficient of Utilization**

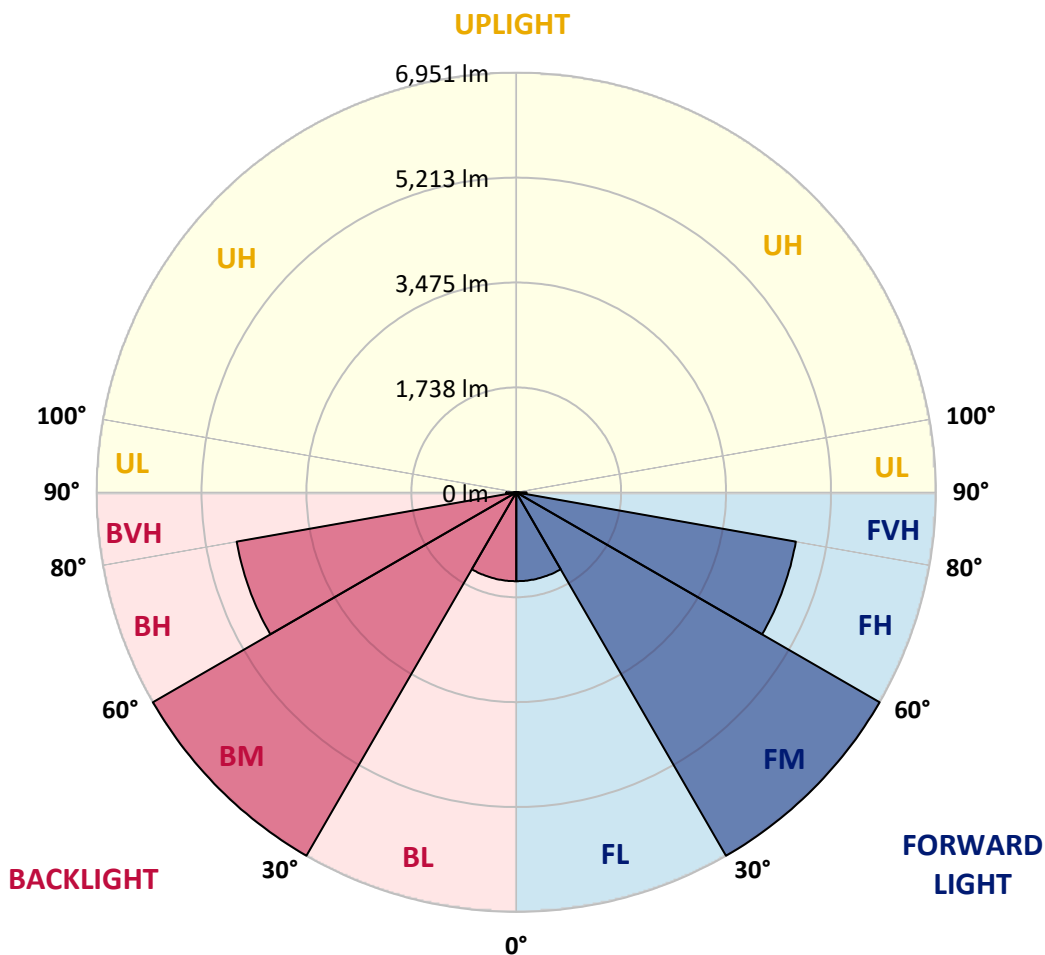


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1472.0	5.5			
FM (30°-60°)	6950.5	26.1			
FH (60°-80°)	4702.4	17.7			G2/5000
FVH (80°-90°)	169.0	0.6			G2/225
BL (0°-30°)	1472.0	5.5	B3/2500		
BM (30°-60°)	6950.5	26.1	B4/8500		
BH (60°-80°)	4702.4	17.7	B4/5000		G4/5000
BVH (80°-90°)	169.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5
2.5°	2744.9	2745.8	2750.3	2755.6	2760.1	2771.7	2774.3	2778.8	2780.6	2785.0	2785.0
5°	2720.8	2722.6	2733.3	2747.6	2763.6	2792.2	2812.7	2835.8	2847.4	2859.9	2859.0
7.5°	2718.2	2722.6	2737.8	2761.0	2787.7	2835.0	2877.7	2924.1	2955.3	2983.8	2982.1
10°	2745.8	2752.9	2774.3	2809.1	2849.2	2908.1	2971.4	3033.8	3088.1	3131.8	3133.6
12.5°	2787.7	2796.6	2830.5	2883.1	2943.7	3019.5	3094.4	3164.8	3239.7	3304.8	3310.1
15°	2843.0	2854.6	2905.4	2983.8	3076.5	3166.6	3246.8	3319.0	3405.5	3495.6	3504.5
17.5°	2925.0	2941.0	3007.9	3114.0	3236.1	3335.1	3418.9	3473.3	3545.5	3638.2	3655.1
20°	3049.8	3070.3	3155.0	3281.6	3430.5	3533.9	3598.1	3609.7	3645.3	3728.2	3747.8
22.5°	3212.1	3229.9	3324.4	3475.0	3641.8	3754.1	3788.0	3741.6	3738.0	3804.9	3823.6
25°	3393.0	3409.1	3518.7	3688.1	3867.3	3991.2	3990.3	3900.3	3837.9	3889.6	3909.2
27.5°	3596.3	3621.3	3726.4	3904.7	4096.4	4218.6	4211.4	4072.3	3953.8	3967.2	3984.1
30°	3829.9	3857.5	3960.0	4141.0	4332.7	4452.1	4443.2	4259.6	4081.3	4045.6	4058.1
32.5°	4119.6	4152.6	4249.8	4428.1	4597.4	4705.3	4679.5	4462.8	4234.6	4157.0	4168.6
35°	4468.2	4487.8	4590.3	4765.9	4903.2	4977.2	4922.8	4698.2	4428.9	4335.3	4335.3
37.5°	4821.2	4836.4	4951.4	5121.6	5254.5	5293.7	5187.6	4955.8	4683.0	4550.2	4552.9
40°	5160.0	5201.0	5330.2	5505.0	5636.0	5646.7	5505.9	5250.0	4965.6	4828.3	4844.4
42.5°	5513.9	5554.0	5708.2	5906.2	6022.0	6039.9	5875.0	5579.9	5284.8	5173.3	5191.2
45°	5829.5	5861.6	6039.9	6269.9	6414.3	6460.7	6265.4	5957.9	5629.8	5521.0	5525.5
47.5°	6049.7	6091.6	6287.7	6558.7	6769.1	6840.4	6648.8	6326.0	5969.5	5837.5	5849.1
50°	6249.4	6271.7	6470.5	6766.4	7033.9	7181.0	7017.0	6689.8	6312.7	6172.7	6185.2
52.5°	6360.8	6389.3	6581.9	6890.4	7206.8	7444.0	7344.1	7017.0	6644.3	6507.9	6523.1
55°	6283.3	6304.7	6535.6	6918.0	7313.8	7606.2	7621.4	7337.0	6969.7	6850.2	6893.0
57.5°	5930.2	5957.0	6238.7	6739.7	7327.2	7715.9	7830.0	7633.9	7273.7	7176.5	7201.5
60°	5378.4	5395.3	5695.8	6259.2	7066.9	7761.4	7962.8	7876.4	7571.5	7474.3	7508.2
62.5°	4395.1	4420.0	4779.3	5534.4	6516.8	7626.7	8091.2	8076.9	7848.7	7759.6	7789.9
65°	3004.3	3048.0	3445.6	4400.4	5669.0	7214.9	8208.0	8310.5	8093.9	7981.6	8021.7
67.5°	1814.2	1846.3	2134.2	2905.4	4338.0	6384.0	8087.6	8576.2	8266.8	8085.9	8118.8
68°	1621.6	1651.0	1891.8	2621.9	4012.6	6149.5	7978.0	8606.5	8285.6	8084.1	8113.5
70°	979.8	999.4	1160.7	1620.7	2675.4	4878.3	7230.0	8581.5	8405.0	8109.0	8126.0
72.5°	638.3	644.6	671.3	831.8	1366.7	2728.0	5426.5	7996.7	8584.2	8254.4	8251.7
75°	530.4	526.9	529.5	548.3	674.0	1196.4	3171.0	6317.1	8183.0	8025.2	7969.1
77.5°	448.4	445.7	444.9	445.7	451.1	577.7	1376.5	3935.1	6261.9	7099.0	7148.9
80°	362.8	359.3	370.9	365.5	349.5	359.3	576.8	1636.8	2951.7	3175.5	2975.8
82.5°	263.9	250.5	300.4	286.2	272.8	253.2	318.3	528.7	704.3	483.2	339.7
85°	203.3	189.0	228.2	219.3	187.2	129.3	189.0	258.5	285.3	163.1	128.4
87.5°	82.9	87.4	164.9	130.2	109.7	62.4	77.6	103.4	139.1	69.5	53.5
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)