

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: P317088

Luminaire Tested: **GAN-SA4C-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317088  
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-SA4C-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26560 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

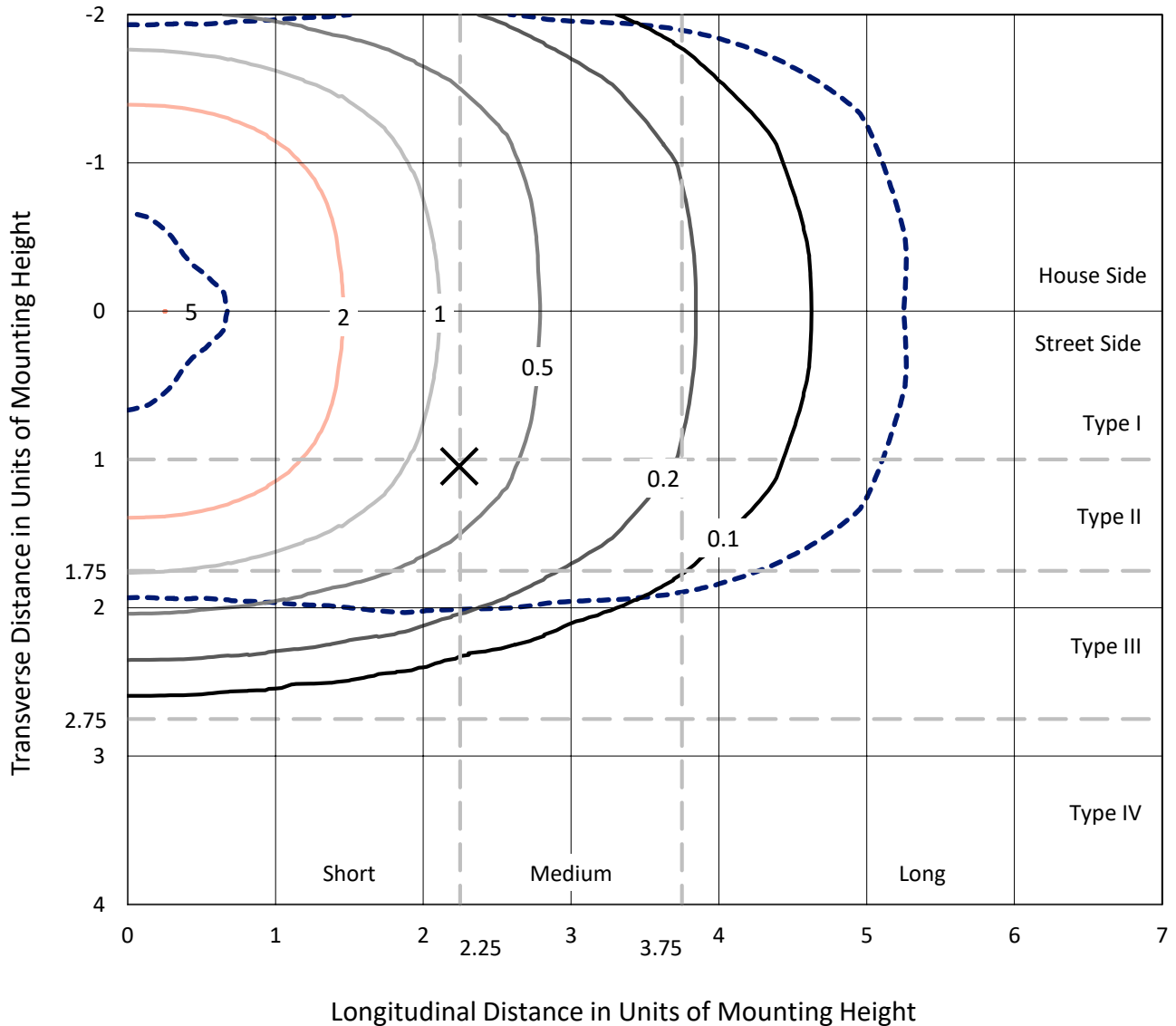
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

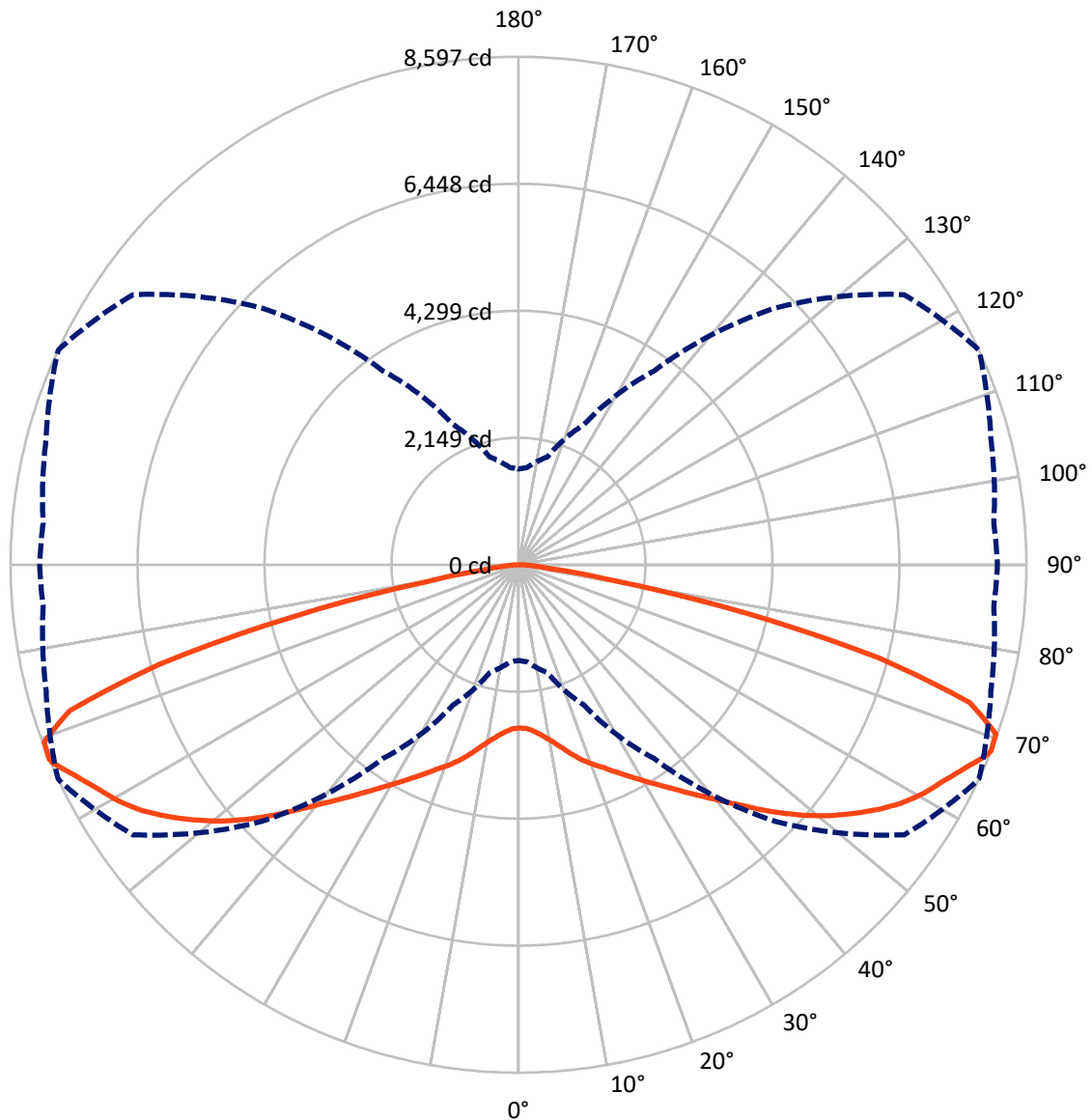
✕ Max cd  
 - - - 1/2 Max cd



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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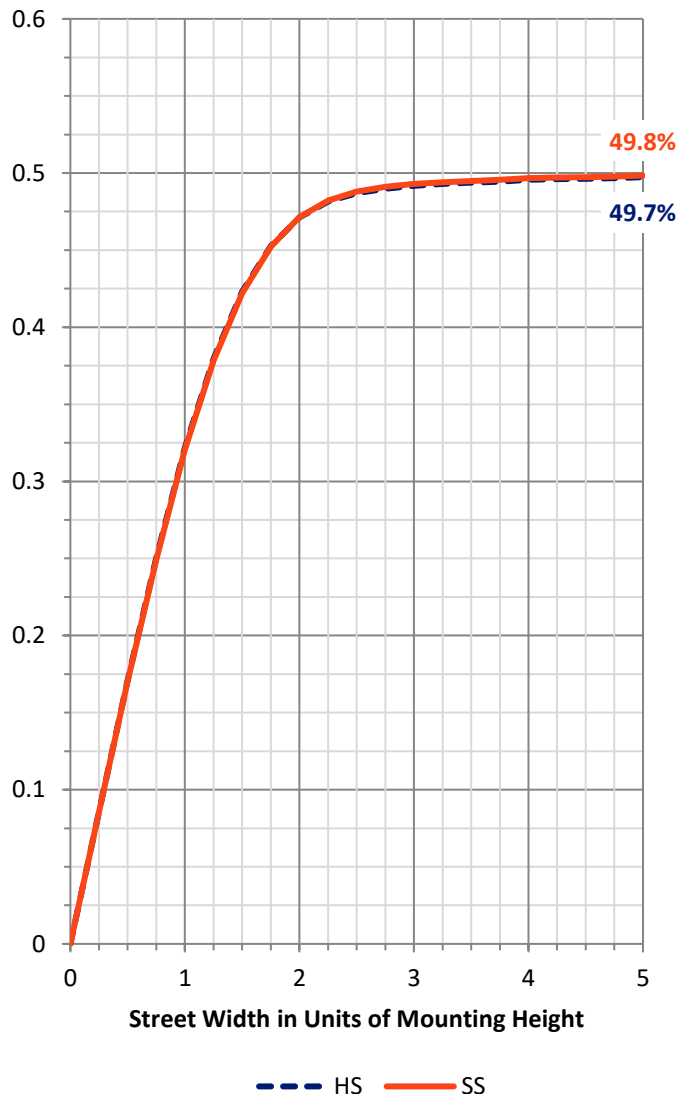
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13280.0	0.0	13280.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13280.0	0.0	13280.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26560.0	0.0	26560.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.4	1.0
10°-20°	905.3	3.4
20°-30°	1765.2	6.6
30°-40°	2965.4	11.2
40°-50°	4672.4	17.6
50°-60°	6248.6	23.5
60°-70°	6074.4	22.9
70°-80°	3320.6	12.5
80°-90°	337.7	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°	26560.0	100.0
0°-180°	26560.0	100.0

**Coefficient of Utilization**

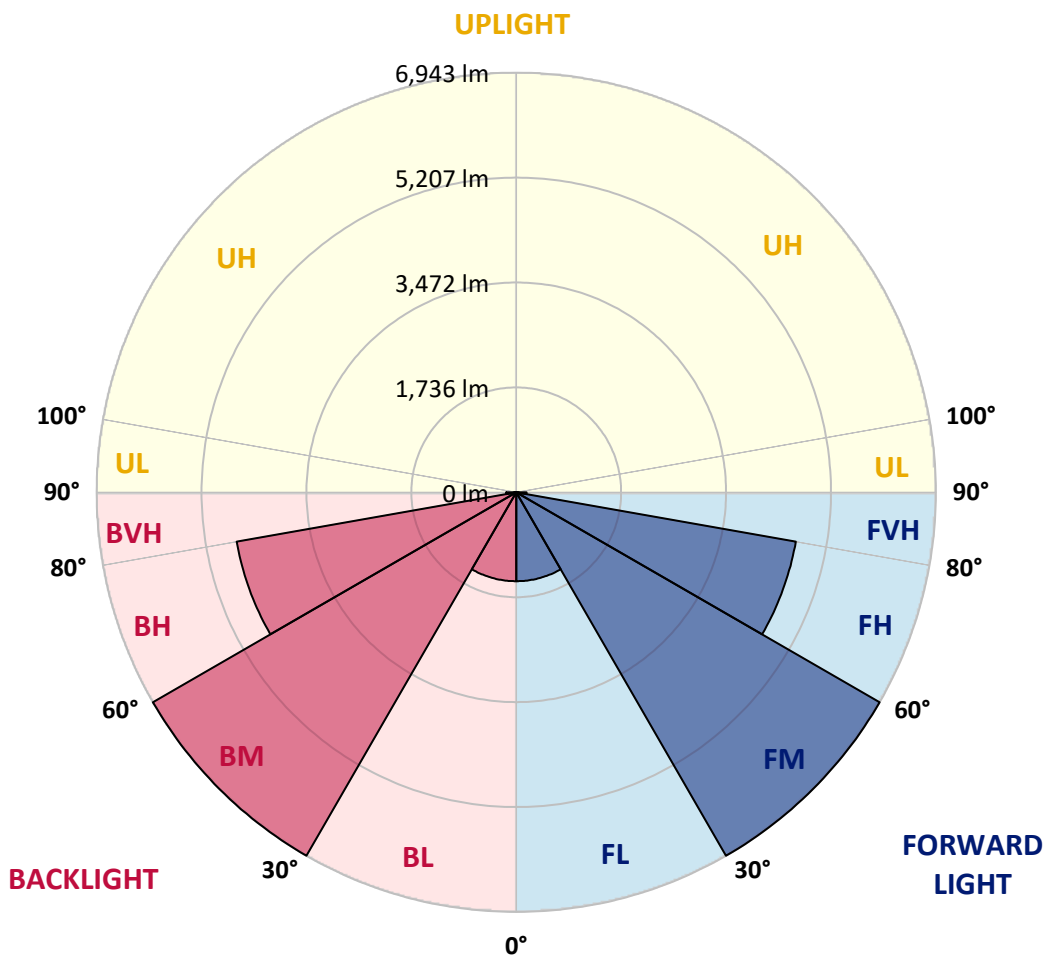


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1470.5	5.5			
FM (30°-60°)	6943.2	26.1			
FH (60°-80°)	4697.5	17.7			G2/5000
FVH (80°-90°)	168.9	0.6			G2/225
BL (0°-30°)	1470.5	5.5	B3/2500		
BM (30°-60°)	6943.2	26.1	B4/8500		
BH (60°-80°)	4697.5	17.7	B4/5000		G4/5000
BVH (80°-90°)	168.9	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°	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6	2761.6
2.5°	2742.0	2742.9	2747.4	2752.7	2757.2	2768.7	2771.4	2775.9	2777.6	2782.1	2782.1
5°	2718.0	2719.8	2730.4	2744.7	2760.7	2789.2	2809.7	2832.9	2844.4	2856.9	2856.0
7.5°	2715.3	2719.8	2734.9	2758.1	2784.8	2832.0	2874.7	2921.0	2952.2	2980.7	2978.9
10°	2742.9	2750.0	2771.4	2806.1	2846.2	2905.0	2968.2	3030.6	3084.9	3128.5	3130.3
12.5°	2784.8	2793.7	2827.5	2880.1	2940.6	3016.3	3091.1	3161.5	3236.3	3301.3	3306.6
15°	2840.0	2851.6	2902.3	2980.7	3073.3	3163.3	3243.4	3315.5	3401.9	3491.9	3500.8
17.5°	2921.9	2937.9	3004.7	3110.7	3232.7	3331.6	3415.3	3469.6	3541.7	3634.4	3651.3
20°	3046.6	3067.1	3151.7	3278.1	3426.9	3530.2	3594.3	3605.9	3641.5	3724.3	3743.9
22.5°	3208.7	3226.5	3320.9	3471.4	3637.9	3750.1	3784.0	3737.7	3734.1	3800.9	3819.6
25°	3389.5	3405.5	3515.0	3684.2	3863.2	3987.0	3986.1	3896.2	3833.8	3885.5	3905.1
27.5°	3592.5	3617.4	3722.5	3900.6	4092.1	4214.1	4207.0	4068.1	3949.6	3963.0	3979.9
30°	3825.8	3853.4	3955.9	4136.6	4328.1	4447.4	4438.5	4255.1	4077.0	4041.3	4053.8
32.5°	4115.3	4148.2	4245.3	4423.4	4592.6	4700.4	4674.5	4458.1	4230.1	4152.7	4164.2
35°	4463.5	4483.1	4585.5	4760.9	4898.1	4972.0	4917.7	4693.2	4424.3	4330.8	4330.8
37.5°	4816.1	4831.3	4946.1	5116.2	5248.9	5288.1	5182.1	4950.6	4678.1	4545.4	4548.1
40°	5154.5	5195.5	5324.6	5499.2	5630.1	5640.8	5500.1	5244.5	4960.4	4823.3	4839.3
42.5°	5508.1	5548.2	5702.2	5899.9	6015.7	6033.5	5868.8	5574.0	5279.2	5167.9	5185.7
45°	5823.3	5855.4	6033.5	6263.3	6407.6	6453.9	6258.8	5951.6	5623.9	5515.2	5519.7
47.5°	6043.3	6085.2	6281.1	6551.8	6762.0	6833.2	6641.8	6319.4	5963.2	5831.4	5842.9
50°	6242.8	6265.1	6463.7	6759.3	7026.5	7173.4	7009.6	6682.7	6306.0	6166.2	6178.7
52.5°	6354.1	6382.6	6575.0	6883.1	7199.3	7436.1	7336.4	7009.6	6637.3	6501.1	6516.2
55°	6276.6	6298.0	6528.7	6910.7	7306.1	7598.2	7613.4	7329.3	6962.4	6843.0	6885.8
57.5°	5924.0	5950.7	6232.1	6732.6	7319.5	7707.8	7821.8	7625.8	7266.0	7169.0	7193.9
60°	5372.7	5389.6	5689.8	6252.6	7059.4	7753.2	7954.4	7868.1	7563.5	7466.4	7500.3
62.5°	4390.4	4415.4	4774.3	5528.6	6510.0	7618.7	8082.7	8068.4	7840.5	7751.4	7781.7
65°	3001.2	3044.8	3442.0	4395.8	5663.0	7207.3	8199.4	8301.8	8085.4	7973.2	8013.2
67.5°	1812.3	1844.3	2132.0	2902.3	4333.4	6377.3	8079.1	8567.2	8258.1	8077.3	8110.3
68°	1619.9	1649.3	1889.8	2619.1	4008.4	6143.1	7969.6	8597.4	8276.8	8075.6	8105.0
70°	978.7	998.3	1159.5	1619.0	2672.6	4873.1	7222.4	8572.5	8396.2	8100.5	8117.4
72.5°	637.6	643.9	670.6	830.9	1365.2	2725.1	5420.8	7988.3	8575.2	8245.7	8243.0
75°	529.9	526.3	529.0	547.7	673.3	1195.1	3167.7	6310.5	8174.4	8016.8	7960.7
77.5°	447.9	445.3	444.4	445.3	450.6	577.1	1375.0	3930.9	6255.3	7091.5	7141.4
80°	362.5	358.9	370.5	365.1	349.1	358.9	576.2	1635.1	2948.6	3172.2	2972.7
82.5°	263.6	250.2	300.1	285.9	272.5	252.9	317.9	528.1	703.5	482.7	339.3
85°	203.0	188.8	228.0	219.1	187.0	129.1	188.8	258.3	285.0	163.0	128.2
87.5°	82.8	87.3	164.8	130.0	109.5	62.3	77.5	103.3	138.9	69.5	53.4
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)