

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: P316777

Luminaire Tested: **GAN-SA3D-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3D-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22252 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

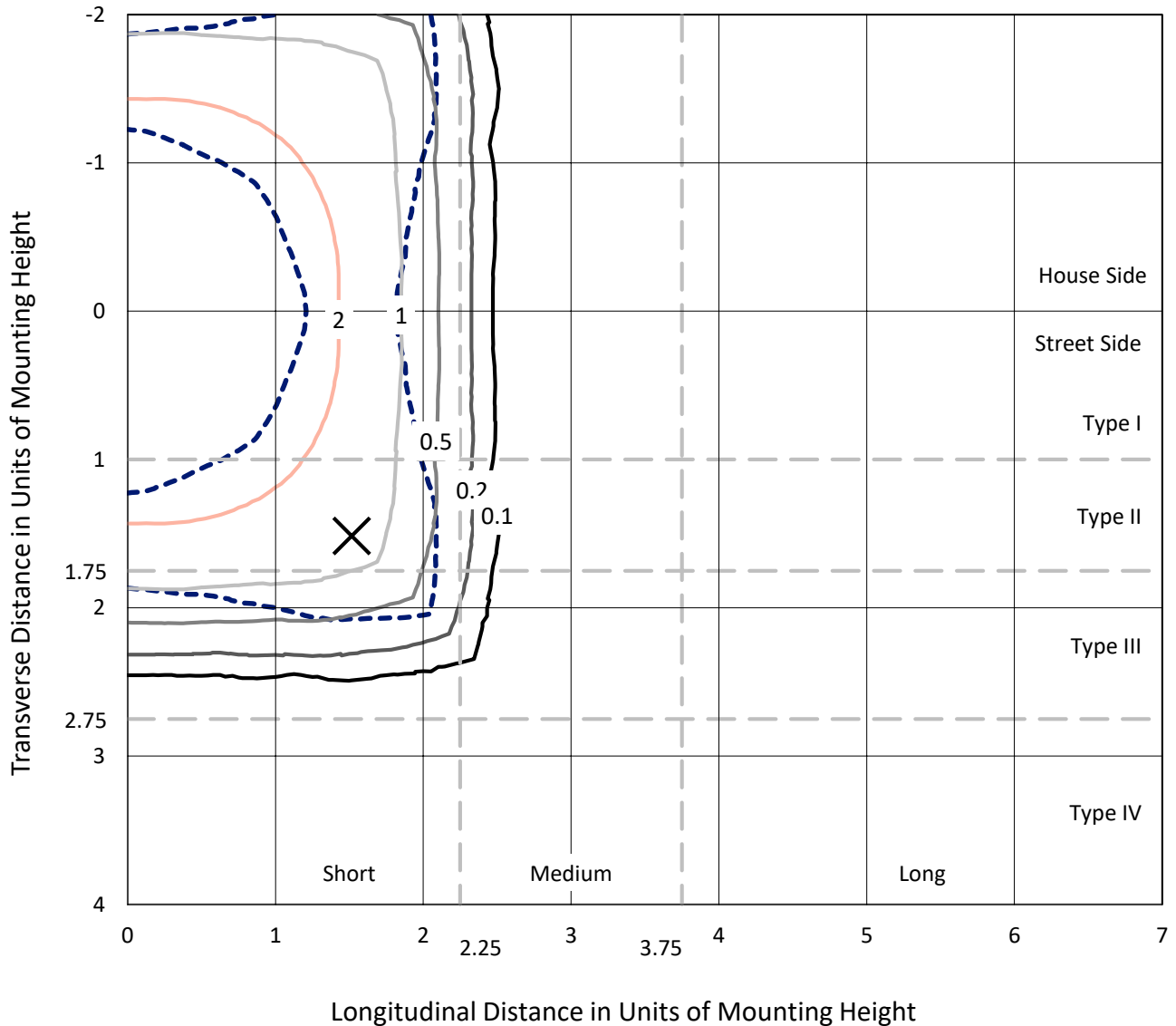
Input Watts (W): 191  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

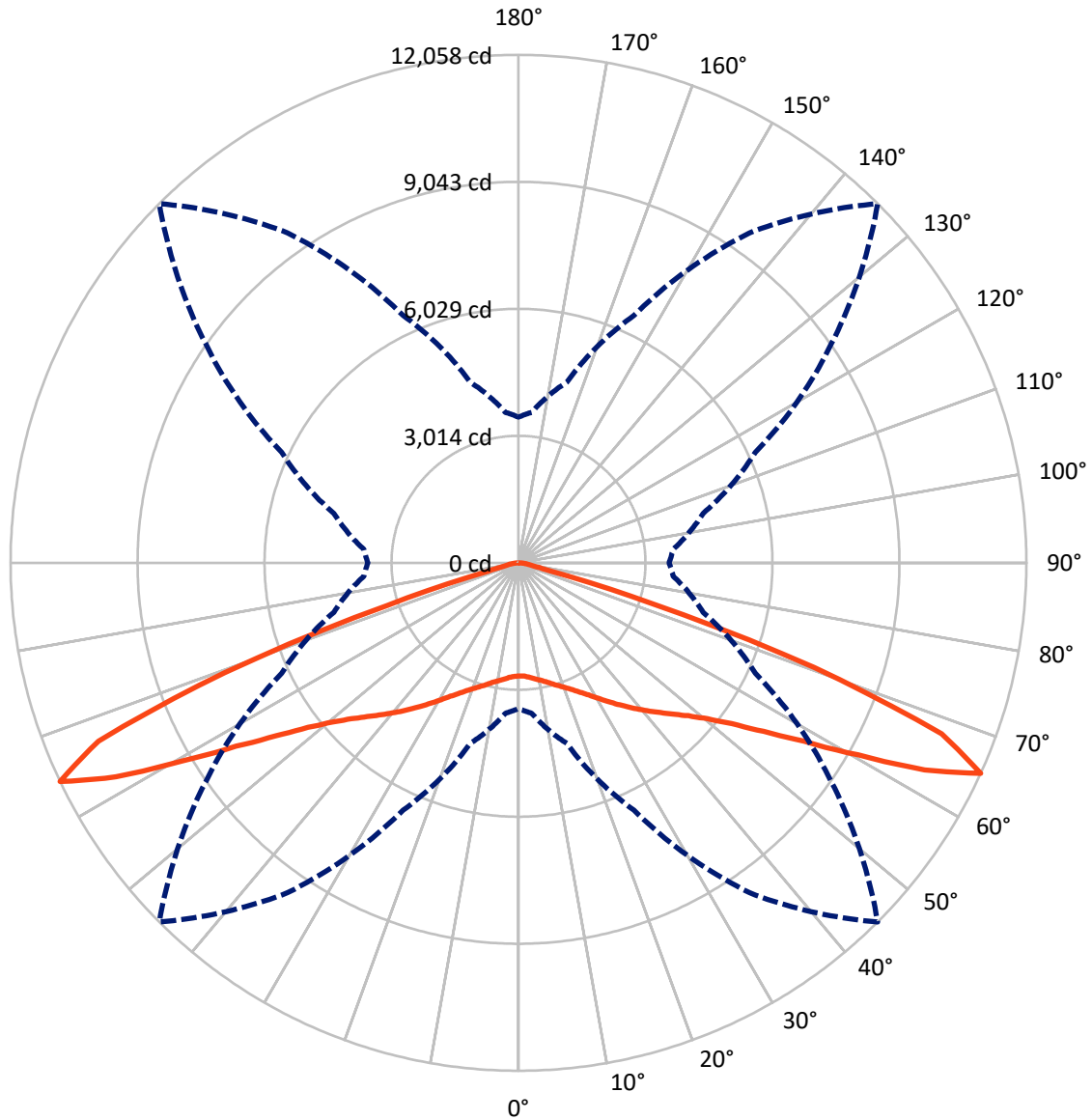
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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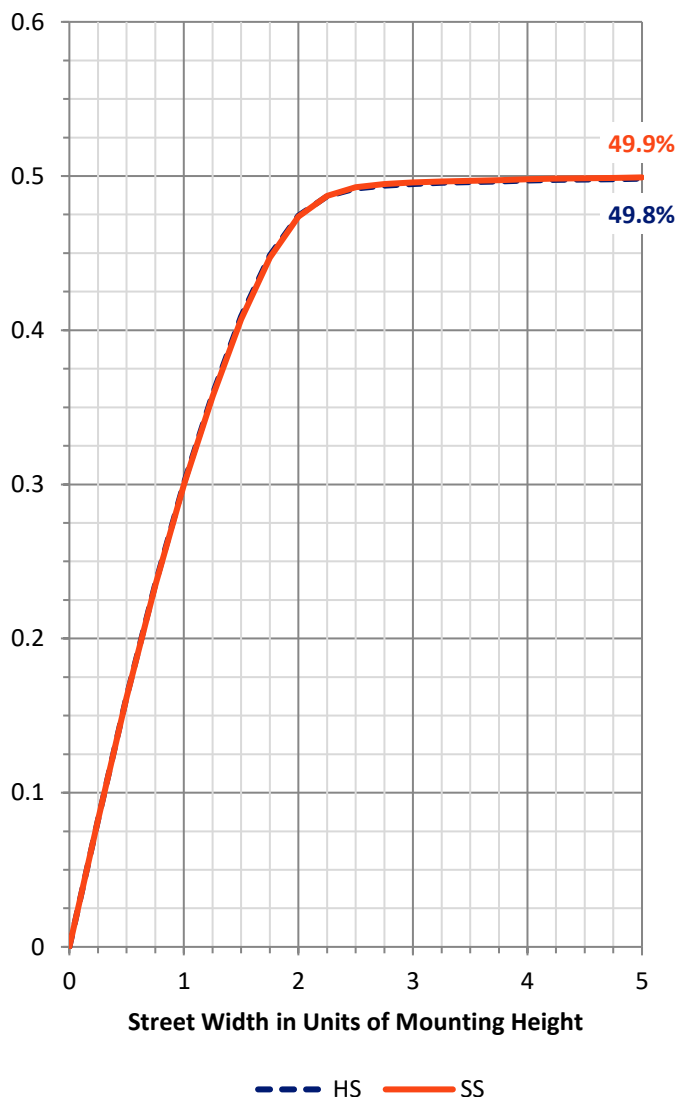
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11126.0	0.0	11126.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11126.0	0.0	11126.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22252.0	0.0	22252.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.6	1.2
10°-20°	847.4	3.8
20°-30°	1590.0	7.1
30°-40°	2629.5	11.8
40°-50°	4072.7	18.3
50°-60°	6246.4	28.1
60°-70°	5828.6	26.2
70°-80°	678.4	3.0
80°-90°	95.3	0.4
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°	22252.0	100.0
0°-180°	22252.0	100.0

**Coefficient of Utilization**



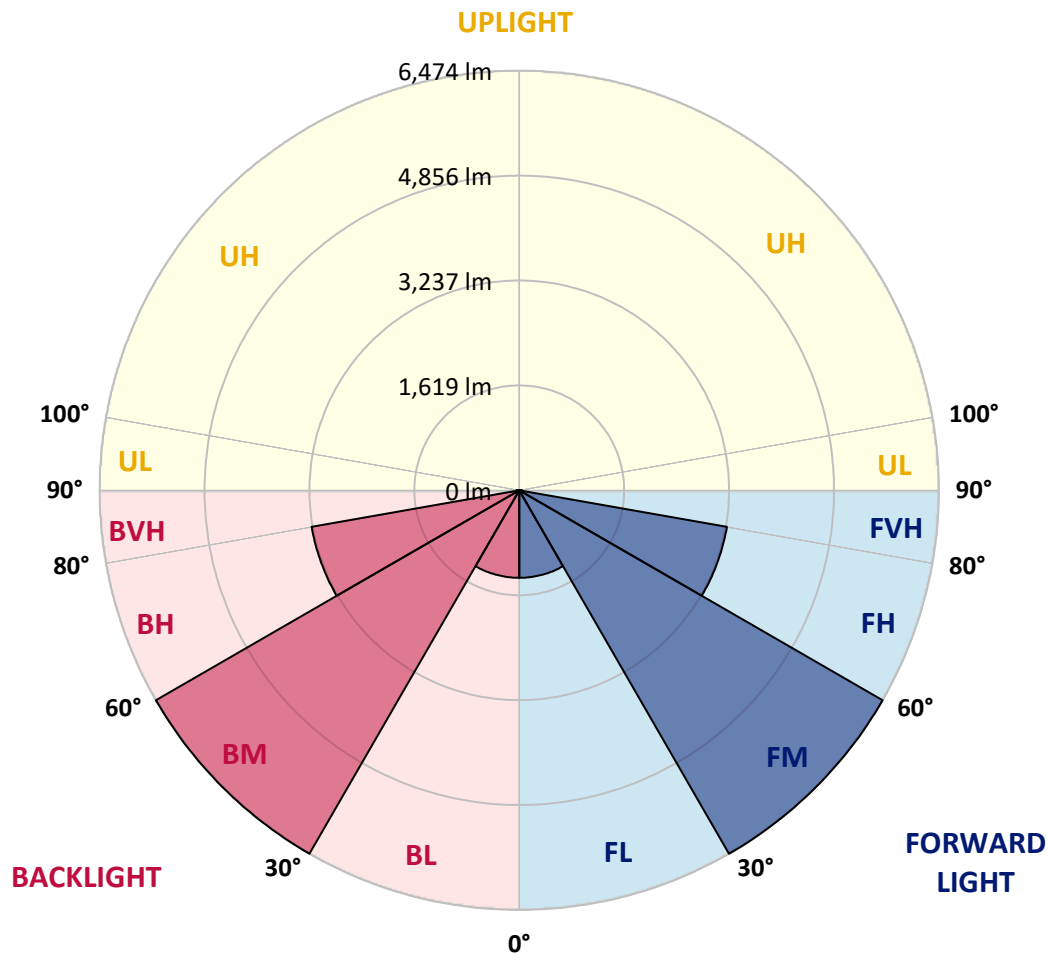
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.5	6.1			
FM (30°-60°)	6474.3	29.1			
FH (60°-80°)	3253.5	14.6			G2/5000
FVH (80°-90°)	47.7	0.2			G1/100
BL (0°-30°)	1350.5	6.1	B3/2500		
BM (30°-60°)	6474.3	29.1	B4/8500		
BH (60°-80°)	3253.5	14.6	B4/5000		G2/5000
BVH (80°-90°)	47.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2	2687.2
2.5°	2696.1	2694.6	2696.1	2696.8	2692.4	2694.6	2693.9	2697.6	2699.0	2697.6	2697.6
5°	2727.1	2724.9	2727.8	2731.5	2725.6	2727.1	2724.9	2729.3	2730.8	2727.8	2730.1
7.5°	2769.9	2770.7	2773.6	2780.3	2776.6	2779.5	2775.1	2775.8	2775.1	2770.7	2771.4
10°	2816.5	2817.2	2822.4	2831.2	2832.7	2832.7	2829.8	2827.6	2824.6	2821.6	2822.4
12.5°	2872.6	2876.3	2880.0	2891.1	2891.1	2897.0	2895.5	2889.6	2884.4	2880.0	2880.0
15°	2948.7	2948.0	2952.4	2963.5	2968.6	2978.2	2978.2	2970.1	2963.5	2959.0	2957.6
17.5°	3028.5	3030.7	3033.6	3046.9	3055.1	3066.1	3067.6	3061.0	3056.5	3050.6	3046.9
20°	3121.5	3125.2	3137.0	3142.2	3149.6	3159.9	3163.6	3162.2	3157.7	3154.8	3155.5
22.5°	3230.1	3239.7	3247.1	3254.5	3263.4	3270.7	3274.4	3279.6	3275.2	3273.0	3271.5
25°	3361.6	3368.2	3383.0	3396.3	3402.2	3404.4	3408.9	3416.3	3415.5	3410.3	3410.3
27.5°	3510.8	3523.4	3541.8	3561.0	3561.0	3553.6	3568.4	3581.0	3576.5	3569.9	3561.0
30°	3691.8	3703.6	3725.0	3751.6	3738.3	3733.1	3753.1	3776.0	3769.3	3758.3	3756.8
32.5°	3886.8	3897.9	3925.9	3954.7	3937.7	3930.4	3951.8	3985.0	3973.2	3951.0	3937.7
35°	4098.0	4109.1	4149.0	4183.7	4154.9	4142.4	4160.1	4196.3	4175.6	4134.2	4123.9
37.5°	4327.8	4333.7	4385.4	4420.8	4400.9	4367.6	4389.8	4416.4	4398.7	4348.4	4328.5
40°	4566.3	4587.8	4647.6	4689.0	4654.2	4601.8	4638.7	4675.7	4649.1	4584.8	4550.8
42.5°	4844.8	4861.1	4940.8	4977.8	4921.6	4847.8	4898.0	4948.2	4921.6	4859.6	4830.0
45°	5134.4	5159.5	5254.8	5291.7	5210.4	5116.6	5177.9	5265.8	5263.6	5174.2	5143.2
47.5°	5449.8	5474.9	5588.6	5637.4	5549.5	5423.9	5510.3	5634.4	5625.6	5527.3	5502.2
50°	5813.9	5840.5	5982.3	6043.6	5961.6	5815.4	5945.4	6054.7	6038.5	5917.3	5919.5
52.5°	6271.1	6269.7	6446.2	6552.6	6468.4	6339.1	6458.8	6565.1	6497.9	6330.2	6325.1
55°	6671.5	6695.9	6914.5	7116.2	7111.0	7061.5	7109.5	7113.9	6921.9	6698.8	6671.5
57.5°	6934.5	6981.0	7289.0	7653.9	7927.2	7992.9	7899.9	7617.7	7167.9	6811.1	6767.5
60°	6772.7	6843.6	7327.4	8071.2	8876.4	9262.7	8737.5	7862.2	6976.6	6479.4	6420.4
62.5°	5681.0	5800.6	6509.0	7869.6	9693.3	10822.7	9344.7	7470.0	6215.7	5531.0	5429.8
65°	3459.8	3586.1	4440.0	6477.2	9561.1	12057.7	9067.7	6200.2	4536.8	3685.1	3575.8
67.5°	1153.0	1190.0	1693.0	3580.2	7514.3	10833.8	7526.8	3711.7	1974.4	1308.9	1270.5
70°	451.3	455.0	537.0	1037.8	3548.5	7441.2	3915.6	1056.3	561.4	443.9	453.5
72.5°	331.7	333.1	356.0	433.6	924.8	3278.1	958.0	435.8	346.4	311.0	311.0
75°	266.7	266.7	282.9	316.1	414.4	751.9	420.3	312.4	271.1	248.2	245.2
77.5°	210.5	214.9	227.5	248.9	280.7	361.9	291.0	247.4	218.6	197.2	192.8
80°	156.6	161.0	181.7	192.0	201.7	251.1	214.9	193.5	172.8	147.7	143.3
82.5°	102.7	107.1	133.0	138.9	136.7	164.0	144.8	142.6	127.0	95.3	90.9
85°	67.2	68.7	88.6	92.3	84.9	74.6	92.3	97.5	88.6	62.0	59.8
87.5°	31.8	31.8	45.1	42.1	38.4	31.0	42.1	49.5	50.2	30.3	29.5
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)