

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: P317097

Luminaire Tested: **GAN-SA3D-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317097  
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-SA3D-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22052 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

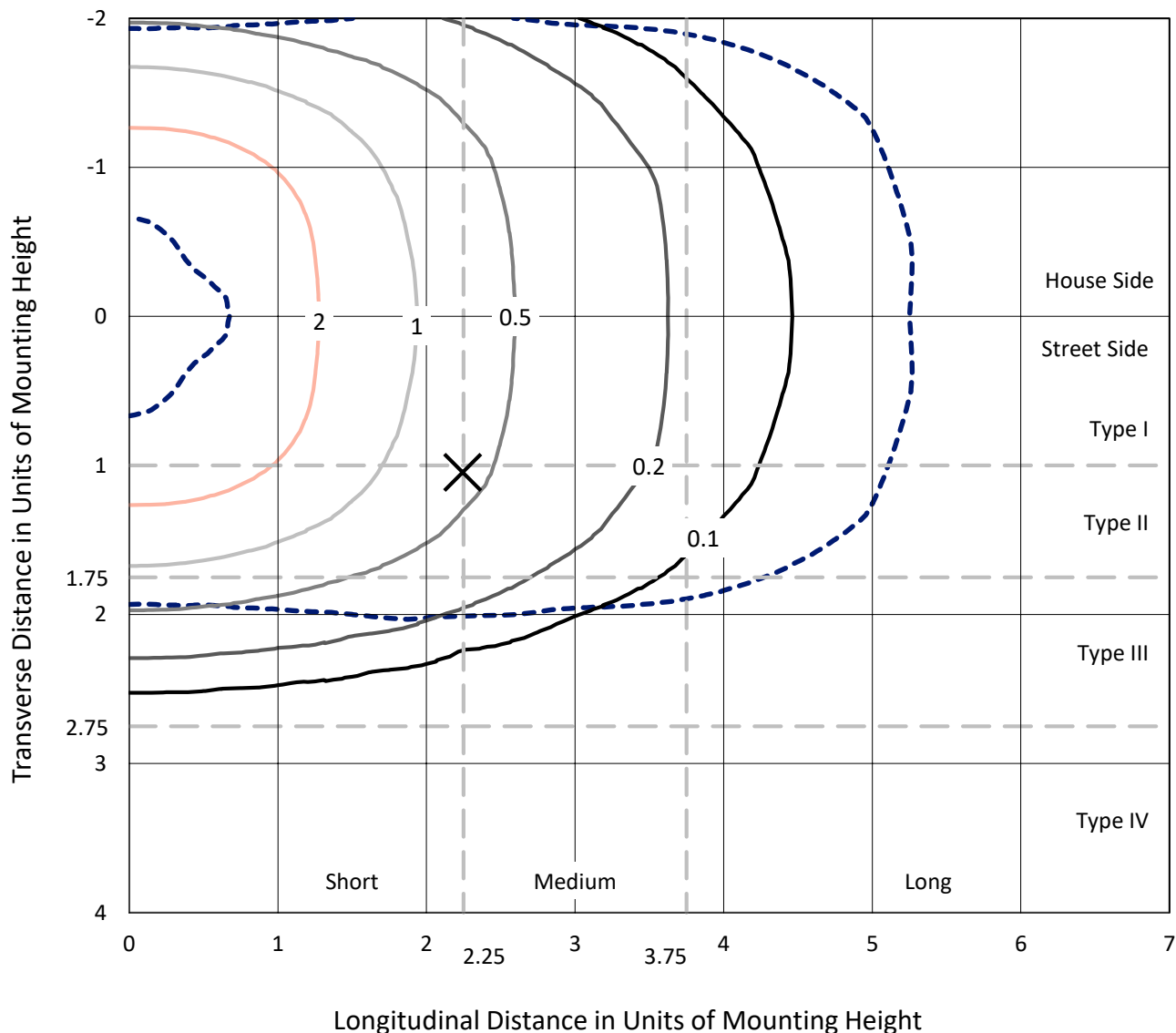
Input Watts (W): 191  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

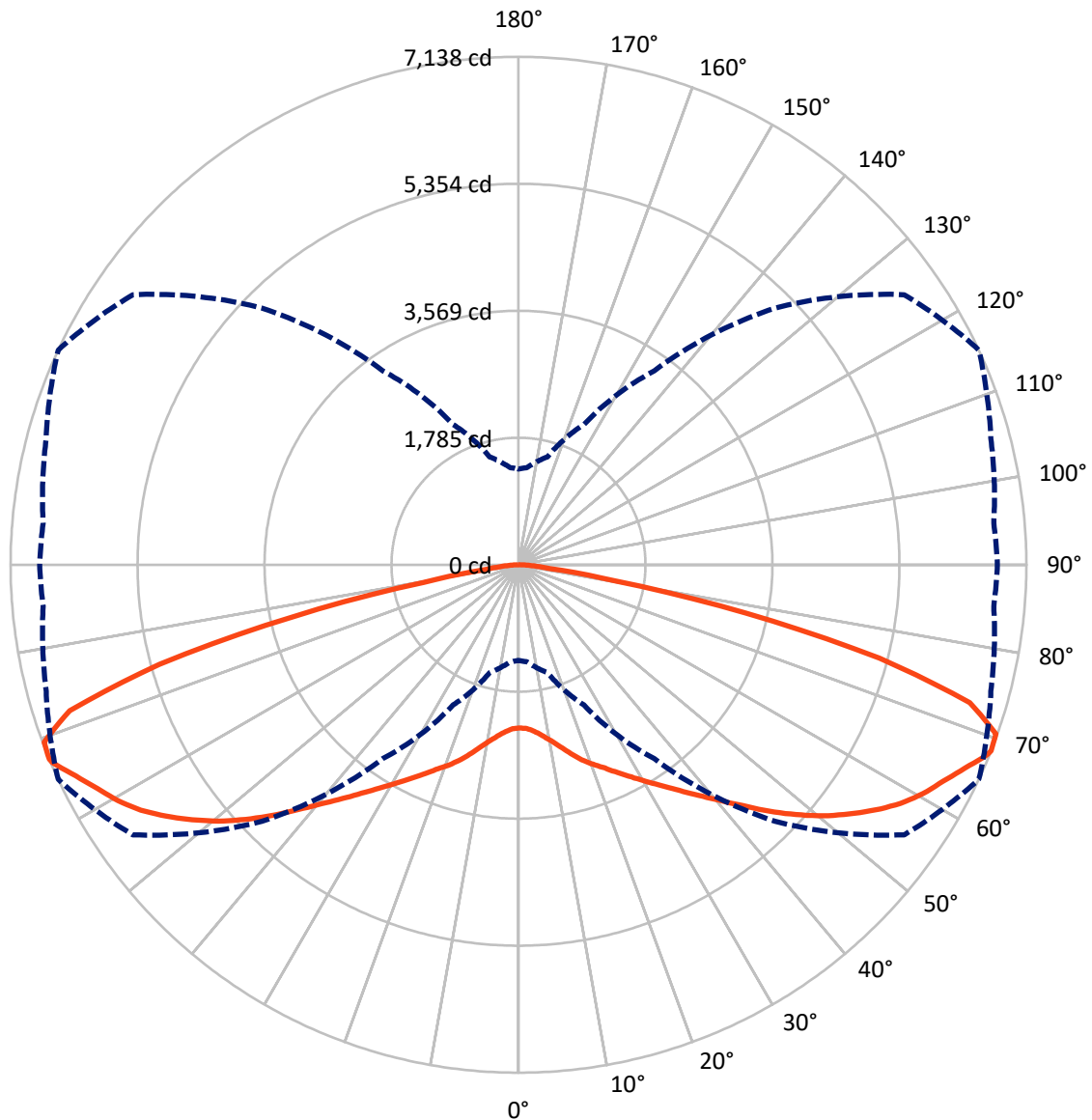
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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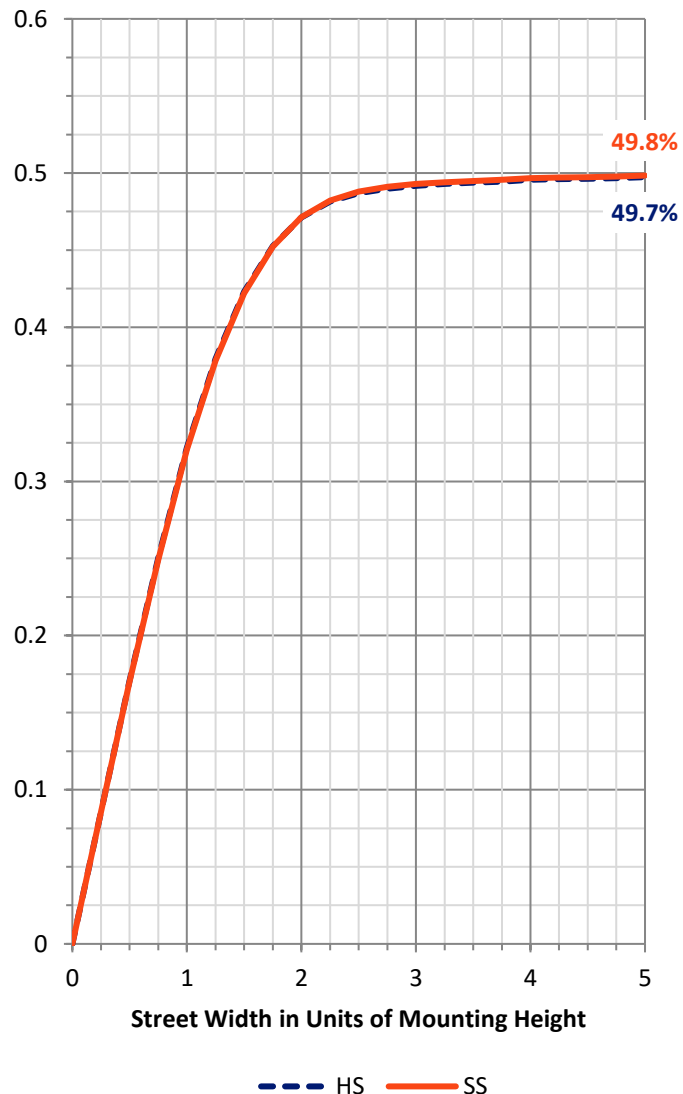
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11026.0	0.0	11026.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11026.0	0.0	11026.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22052.0	0.0	22052.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.5	1.0
10°-20°	751.7	3.4
20°-30°	1465.6	6.6
30°-40°	2462.1	11.2
40°-50°	3879.4	17.6
50°-60°	5188.0	23.5
60°-70°	5043.4	22.9
70°-80°	2757.0	12.5
80°-90°	280.4	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°	22052.0	100.0
0°-180°	22052.0	100.0

**Coefficient of Utilization**

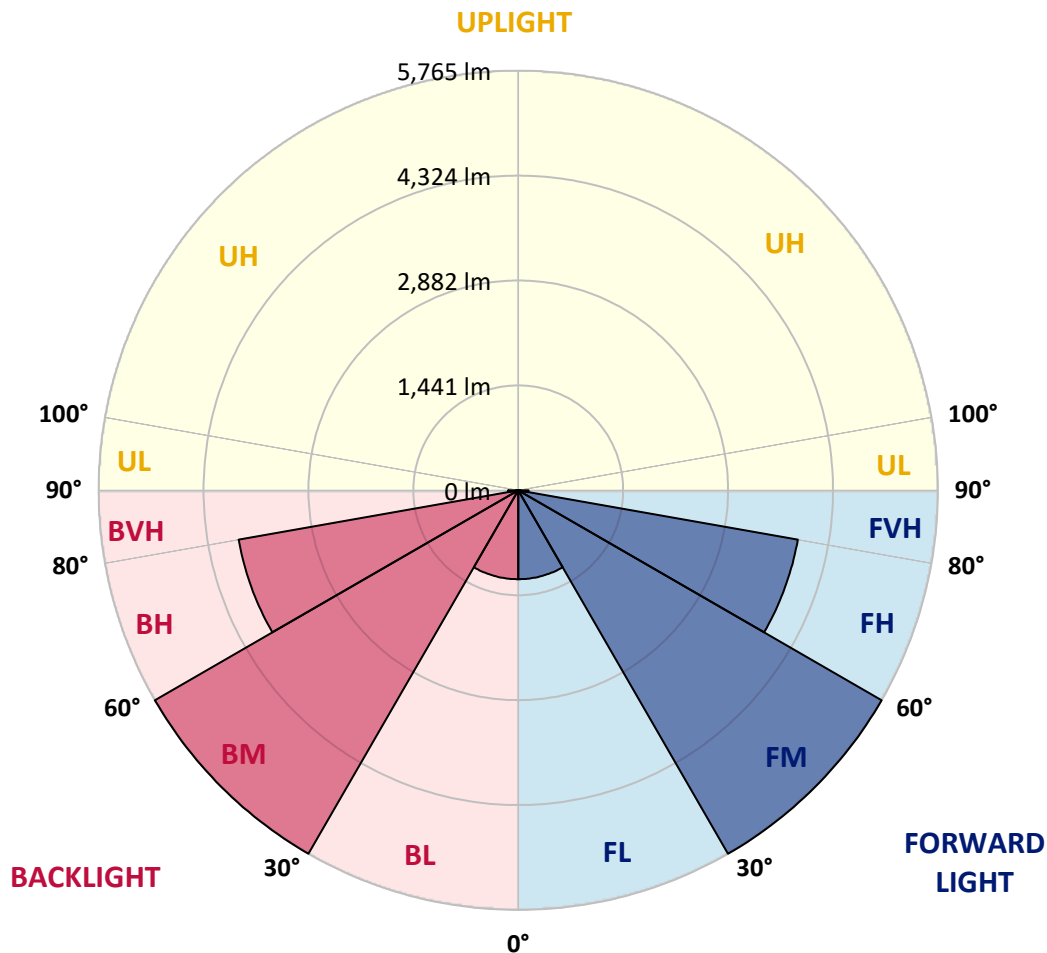


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1220.9	5.5			
FM (30°-60°)	5764.7	26.1			
FH (60°-80°)	3900.2	17.7			G2/5000
FVH (80°-90°)	140.2	0.6			G2/225
BL (0°-30°)	1220.9	5.5	B3/2500		
BM (30°-60°)	5764.7	26.1	B4/8500		
BH (60°-80°)	3900.2	17.7	B4/5000		G4/5000
BVH (80°-90°)	140.2	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°	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9	2292.9
2.5°	2276.6	2277.4	2281.1	2285.5	2289.2	2298.8	2301.0	2304.7	2306.2	2309.9	2309.9
5°	2256.7	2258.1	2267.0	2278.8	2292.1	2315.8	2332.8	2352.0	2361.7	2372.0	2371.3
7.5°	2254.4	2258.1	2270.7	2289.9	2312.1	2351.3	2386.8	2425.2	2451.1	2474.8	2473.3
10°	2277.4	2283.3	2301.0	2329.9	2363.1	2411.9	2464.4	2516.2	2561.3	2597.5	2599.0
12.5°	2312.1	2319.5	2347.6	2391.2	2441.5	2504.4	2566.5	2624.9	2687.0	2741.0	2745.4
15°	2358.0	2367.6	2409.7	2474.8	2551.7	2626.4	2692.9	2752.8	2824.5	2899.2	2906.6
17.5°	2426.0	2439.3	2494.7	2582.7	2684.0	2766.1	2835.6	2880.7	2940.6	3017.5	3031.6
20°	2529.5	2546.5	2616.7	2721.7	2845.2	2931.0	2984.2	2993.8	3023.4	3092.2	3108.5
22.5°	2664.1	2678.9	2757.2	2882.2	3020.5	3113.6	3141.7	3103.3	3100.3	3155.8	3171.3
25°	2814.2	2827.5	2918.4	3058.9	3207.5	3310.3	3309.6	3234.9	3183.1	3226.0	3242.3
27.5°	2982.8	3003.5	3090.7	3238.6	3397.6	3498.9	3492.9	3377.6	3279.3	3290.3	3304.4
30°	3176.5	3199.4	3284.4	3434.5	3593.5	3692.6	3685.2	3532.9	3385.0	3355.4	3365.8
32.5°	3416.8	3444.1	3524.7	3672.6	3813.1	3902.6	3881.1	3701.5	3512.2	3447.8	3457.4
35°	3705.9	3722.2	3807.2	3952.8	4066.7	4128.1	4083.0	3896.7	3673.4	3595.7	3595.7
37.5°	3998.7	4011.3	4106.6	4247.9	4358.0	4390.6	4302.6	4110.3	3884.1	3773.9	3776.1
40°	4279.7	4313.7	4420.9	4565.8	4674.5	4683.4	4566.6	4354.3	4118.5	4004.6	4017.9
42.5°	4573.2	4606.5	4734.4	4898.5	4994.7	5009.5	4872.7	4627.9	4383.2	4290.8	4305.5
45°	4835.0	4861.6	5009.5	5200.2	5320.0	5358.5	5196.5	4941.4	4669.3	4579.1	4582.8
47.5°	5017.6	5052.3	5215.0	5439.8	5614.3	5673.4	5514.5	5246.8	4951.0	4841.6	4851.2
50°	5183.2	5201.7	5366.6	5612.1	5833.9	5955.9	5819.8	5548.5	5235.7	5119.6	5130.0
52.5°	5275.6	5299.3	5459.0	5714.8	5977.3	6174.0	6091.2	5819.8	5510.8	5397.6	5410.2
55°	5211.3	5229.1	5420.6	5737.8	6066.1	6308.6	6321.2	6085.3	5780.7	5681.6	5717.1
57.5°	4918.5	4940.7	5174.3	5589.9	6077.2	6399.5	6494.2	6331.5	6032.8	5952.2	5972.9
60°	4460.8	4474.9	4724.0	5191.3	5861.2	6437.2	6604.3	6532.6	6279.8	6199.2	6227.3
62.5°	3645.3	3666.0	3963.9	4590.2	5405.0	6325.6	6710.8	6699.0	6509.7	6435.8	6460.9
65°	2491.8	2528.0	2857.8	3649.7	4701.9	5984.0	6807.7	6892.7	6713.0	6619.9	6653.1
67.5°	1504.7	1531.3	1770.1	2409.7	3597.9	5294.9	6707.9	7113.1	6856.5	6706.4	6733.7
68°	1345.0	1369.4	1569.0	2174.6	3328.1	5100.4	6616.9	7138.2	6872.0	6704.9	6729.3
70°	812.6	828.9	962.7	1344.2	2218.9	4046.0	5996.6	7117.5	6971.1	6725.6	6739.7
72.5°	529.4	534.6	556.8	689.9	1133.5	2262.6	4500.7	6632.4	7119.7	6846.1	6843.9
75°	439.9	437.0	439.2	454.7	559.0	992.3	2630.1	5239.4	6787.0	6656.1	6609.5
77.5°	371.9	369.7	369.0	369.7	374.1	479.1	1141.6	3263.7	5193.6	5887.9	5929.3
80°	300.9	298.0	307.6	303.2	289.8	298.0	478.4	1357.5	2448.2	2633.8	2468.1
82.5°	218.9	207.8	249.2	237.3	226.3	210.0	264.0	438.5	584.1	400.8	281.7
85°	168.6	156.8	189.3	181.9	155.3	107.2	156.8	214.4	236.6	135.3	106.5
87.5°	68.8	72.5	136.8	108.0	90.9	51.8	64.3	85.8	115.3	57.7	44.4
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)