

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: P316457

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22662 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

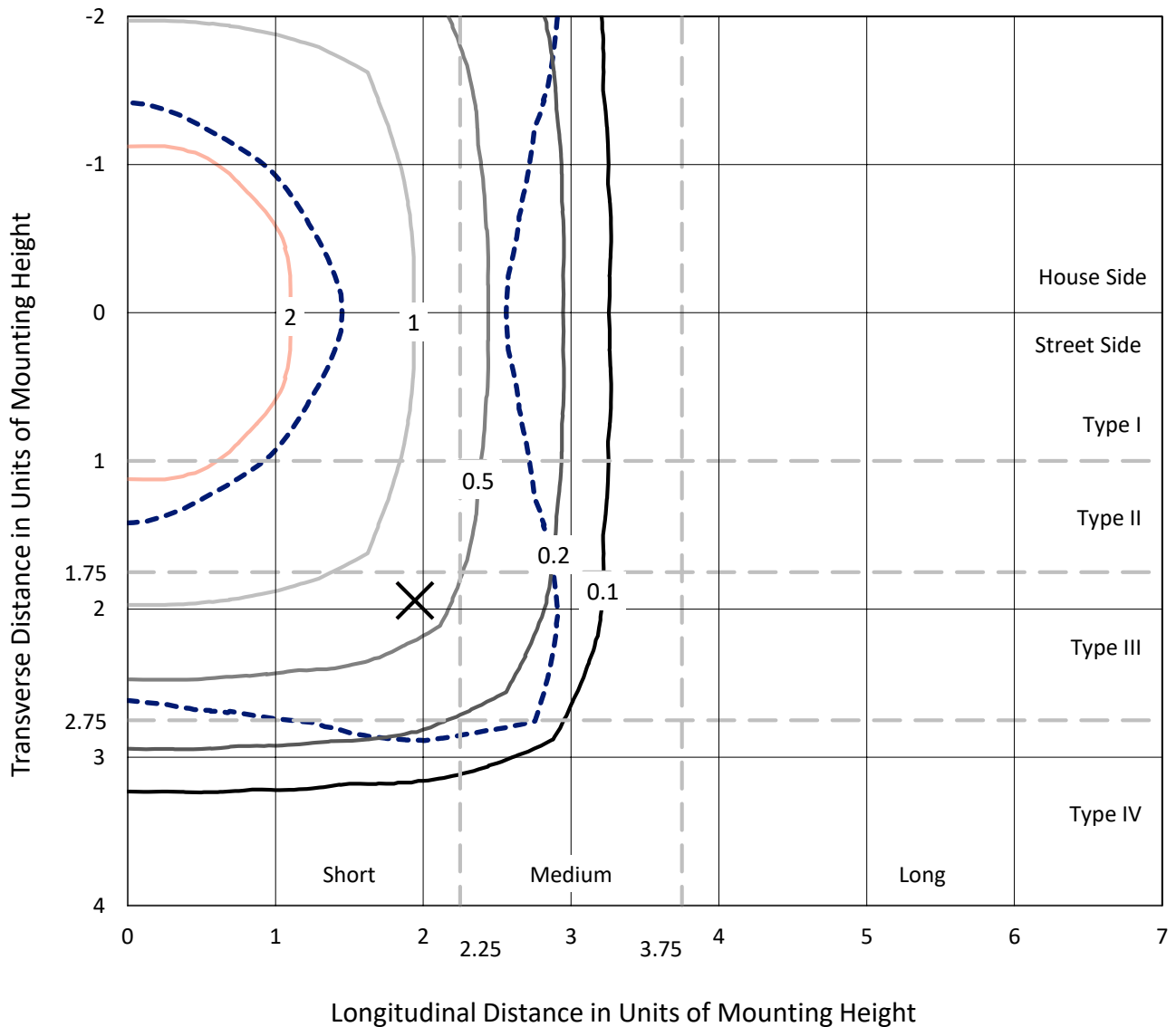
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

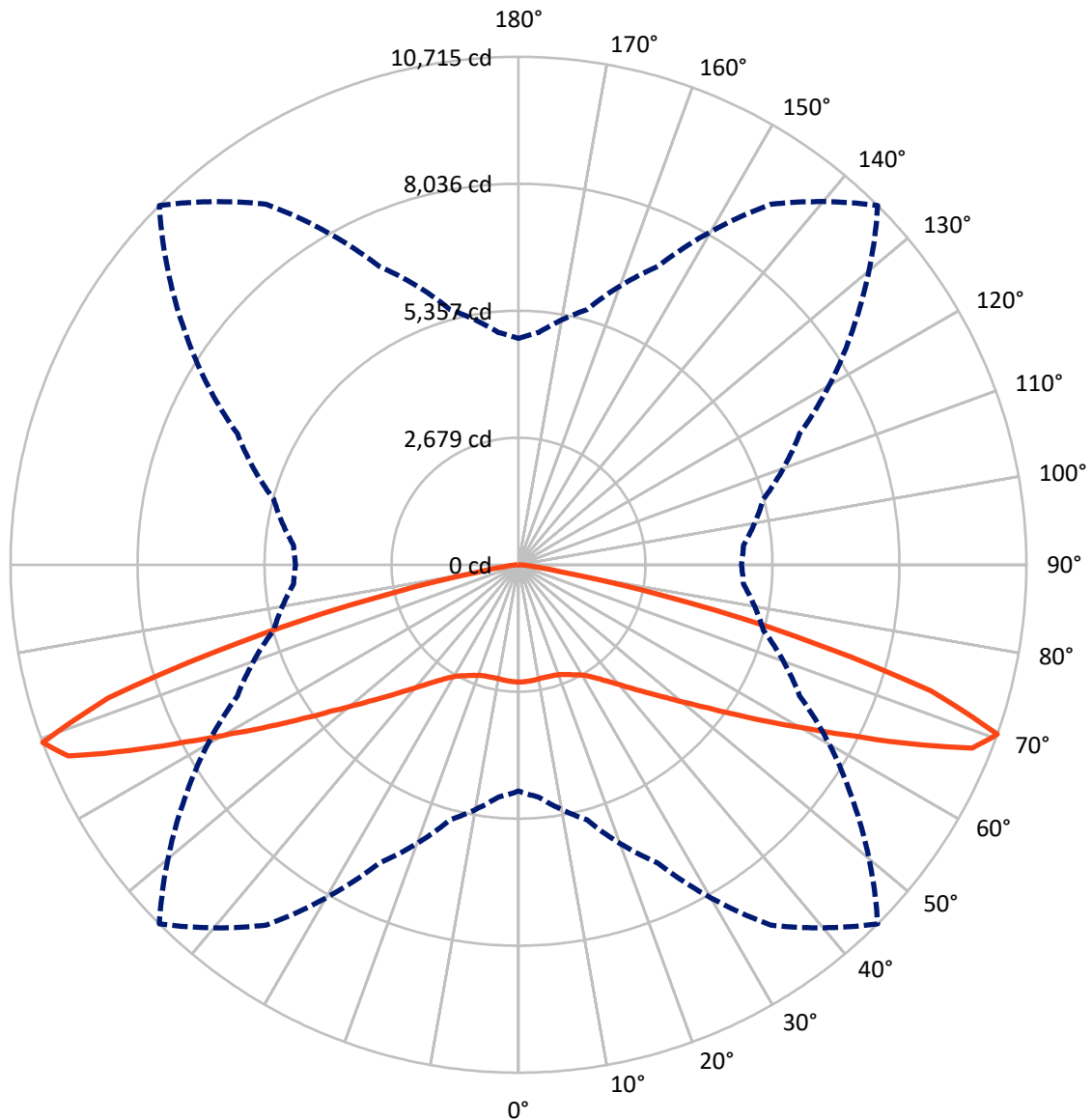
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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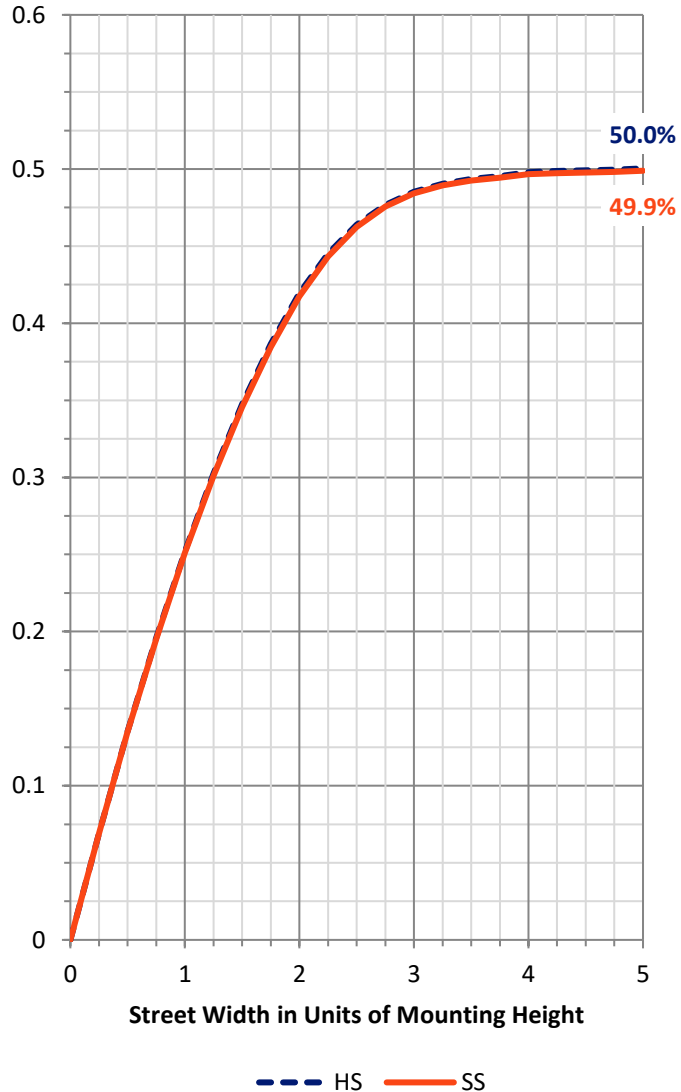
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11331.0	0.0	11331.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11331.0	0.0	11331.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22662.0	0.0	22662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	1.0
10°-20°	688.2	3.0
20°-30°	1171.5	5.2
30°-40°	1858.0	8.2
40°-50°	3023.5	13.3
50°-60°	4985.2	22.0
60°-70°	7318.4	32.3
70°-80°	3236.2	14.3
80°-90°	146.6	0.6
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°	22662.0	100.0
0°-180°	22662.0	100.0

Coefficient of Utilization

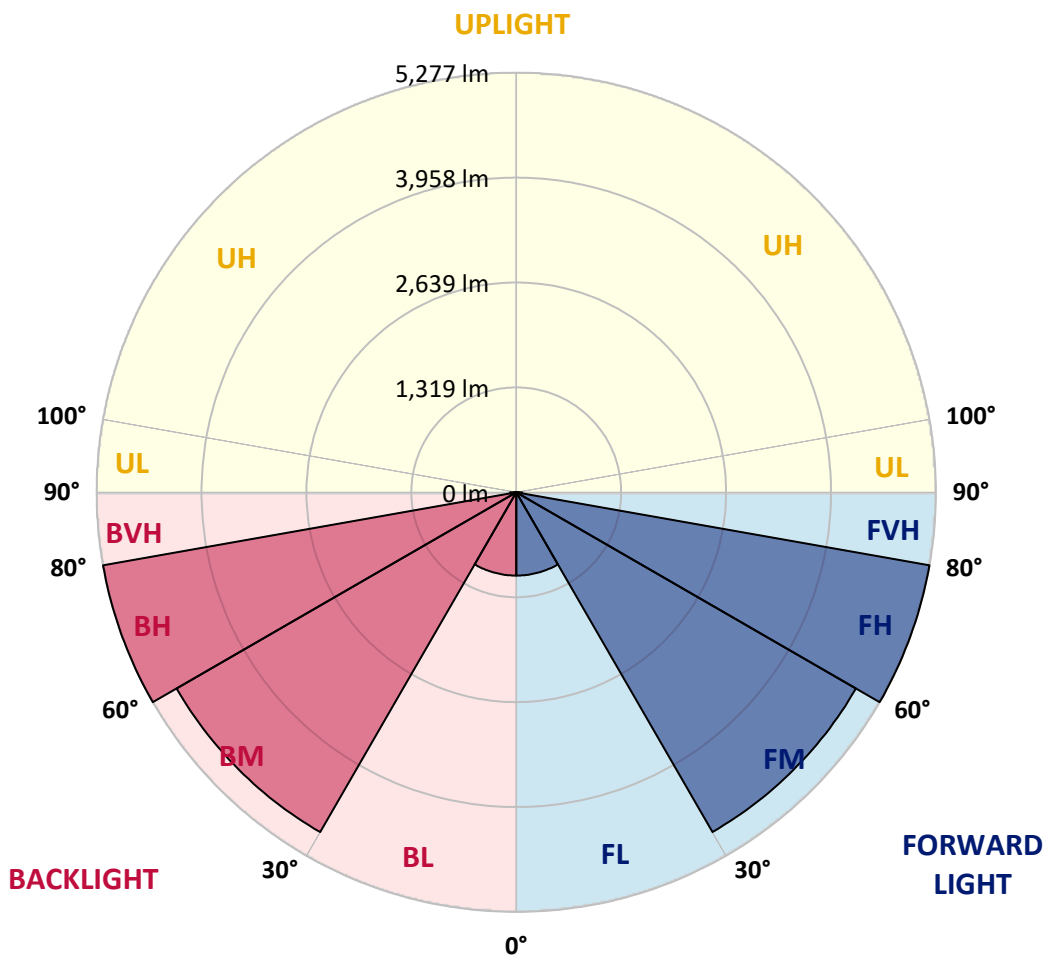


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.0	4.6			
FM (30°-60°)	4933.4	21.8			
FH (60°-80°)	5277.3	23.3			G3/7500
FVH (80°-90°)	73.3	0.3			G1/100
BL (0°-30°)	1047.0	4.6	B3/2500		
BM (30°-60°)	4933.4	21.8	B3/5000		
BH (60°-80°)	5277.3	23.3	B5		G3/7500
BVH (80°-90°)	73.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0
2.5°	2471.3	2469.0	2474.3	2473.5	2469.0	2469.8	2469.8	2472.0	2472.0	2470.5	2470.5
5°	2462.3	2460.8	2466.8	2466.8	2462.3	2463.8	2465.3	2467.5	2466.8	2465.3	2464.5
7.5°	2451.0	2450.3	2456.3	2456.3	2453.3	2454.8	2453.3	2454.0	2452.5	2451.0	2448.8
10°	2432.3	2433.8	2439.0	2440.5	2440.5	2441.3	2439.8	2436.0	2433.8	2431.5	2429.3
12.5°	2415.0	2414.3	2421.8	2425.5	2431.5	2438.3	2433.8	2423.3	2418.8	2414.3	2412.8
15°	2403.8	2404.5	2412.0	2418.8	2429.3	2443.5	2438.3	2421.8	2412.8	2407.5	2406.0
17.5°	2401.5	2403.0	2412.8	2424.8	2436.0	2451.8	2448.8	2432.3	2417.3	2407.5	2405.3
20°	2406.8	2407.5	2422.5	2439.8	2459.3	2474.3	2467.5	2449.5	2429.3	2414.3	2410.5
22.5°	2416.5	2419.5	2438.3	2465.3	2495.3	2515.5	2507.3	2476.5	2445.0	2426.3	2421.0
25°	2447.3	2448.0	2473.5	2510.3	2546.3	2569.5	2559.8	2516.3	2475.8	2454.8	2448.0
27.5°	2511.0	2513.3	2538.8	2581.5	2612.3	2627.3	2621.3	2586.0	2551.5	2529.0	2531.3
30°	2603.3	2606.3	2634.8	2682.0	2700.8	2704.5	2703.0	2686.5	2655.0	2625.0	2627.3
32.5°	2715.8	2717.3	2755.5	2798.3	2813.3	2816.3	2813.3	2798.3	2760.8	2720.3	2722.5
35°	2860.5	2865.0	2901.8	2943.1	2955.1	2961.1	2955.8	2936.3	2897.3	2857.5	2856.0
37.5°	3039.1	3039.8	3078.1	3120.8	3135.8	3137.3	3131.3	3118.6	3069.8	3033.8	3031.6
40°	3246.1	3249.1	3294.1	3339.8	3345.8	3339.1	3347.3	3339.8	3289.6	3248.3	3255.1
42.5°	3498.1	3504.8	3558.8	3603.8	3586.6	3582.8	3588.1	3590.3	3549.8	3499.6	3495.1
45°	3791.3	3797.3	3864.8	3900.8	3889.6	3864.8	3875.3	3893.3	3837.1	3774.8	3780.8
47.5°	4125.8	4140.8	4212.8	4246.6	4218.8	4185.1	4205.3	4232.3	4166.3	4089.1	4085.3
50°	4497.8	4516.6	4612.6	4659.8	4632.1	4569.8	4603.6	4621.6	4526.3	4426.6	4418.3
52.5°	4894.6	4913.3	5034.1	5131.6	5113.6	5016.8	5064.1	5045.3	4935.8	4801.6	4791.1
55°	5343.8	5351.3	5481.8	5639.3	5657.3	5586.1	5583.1	5552.3	5390.3	5235.1	5227.6
57.5°	5805.9	5811.1	5979.9	6165.9	6250.6	6250.6	6166.6	6101.4	5886.1	5706.1	5687.3
60°	6304.6	6323.4	6510.1	6762.9	6960.9	7019.4	6870.9	6693.1	6459.1	6239.4	6217.6
62.5°	6748.6	6770.4	7056.1	7432.6	7750.6	7963.6	7600.6	7311.1	6885.1	6532.6	6491.4
65°	6804.9	6863.4	7279.6	7961.4	8673.2	9098.4	8402.4	7689.1	6912.9	6423.1	6381.1
67.5°	6214.6	6313.6	6876.1	7937.4	9408.2	10320.9	8914.7	7473.1	6414.9	5873.4	5826.9
70°	4775.3	4919.3	5568.1	6942.9	9281.4	10714.7	8593.6	6542.4	5348.3	4765.6	4700.3
72.5°	2619.8	2679.0	3262.6	4754.3	7440.9	9105.2	7167.9	4837.6	3546.8	2886.1	2776.5
75°	831.0	852.0	1149.0	1945.5	4209.1	6030.9	4553.3	2374.5	1307.3	963.8	952.5
77.5°	369.0	371.3	415.5	567.8	1449.8	3055.6	1741.5	646.5	445.5	389.3	402.0
80°	233.3	233.3	257.3	281.3	394.5	887.3	471.0	307.5	262.5	243.8	249.0
82.5°	111.8	123.8	167.3	180.0	216.8	298.5	241.5	201.0	175.5	130.5	121.5
85°	73.5	61.5	105.8	119.3	126.0	143.3	140.3	132.8	114.8	65.3	72.8
87.5°	33.0	31.5	54.8	50.3	47.3	36.0	54.0	66.8	64.5	32.3	32.3
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)