

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: P316497

Luminaire Tested: **GAN-SA3D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316497
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 24885 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

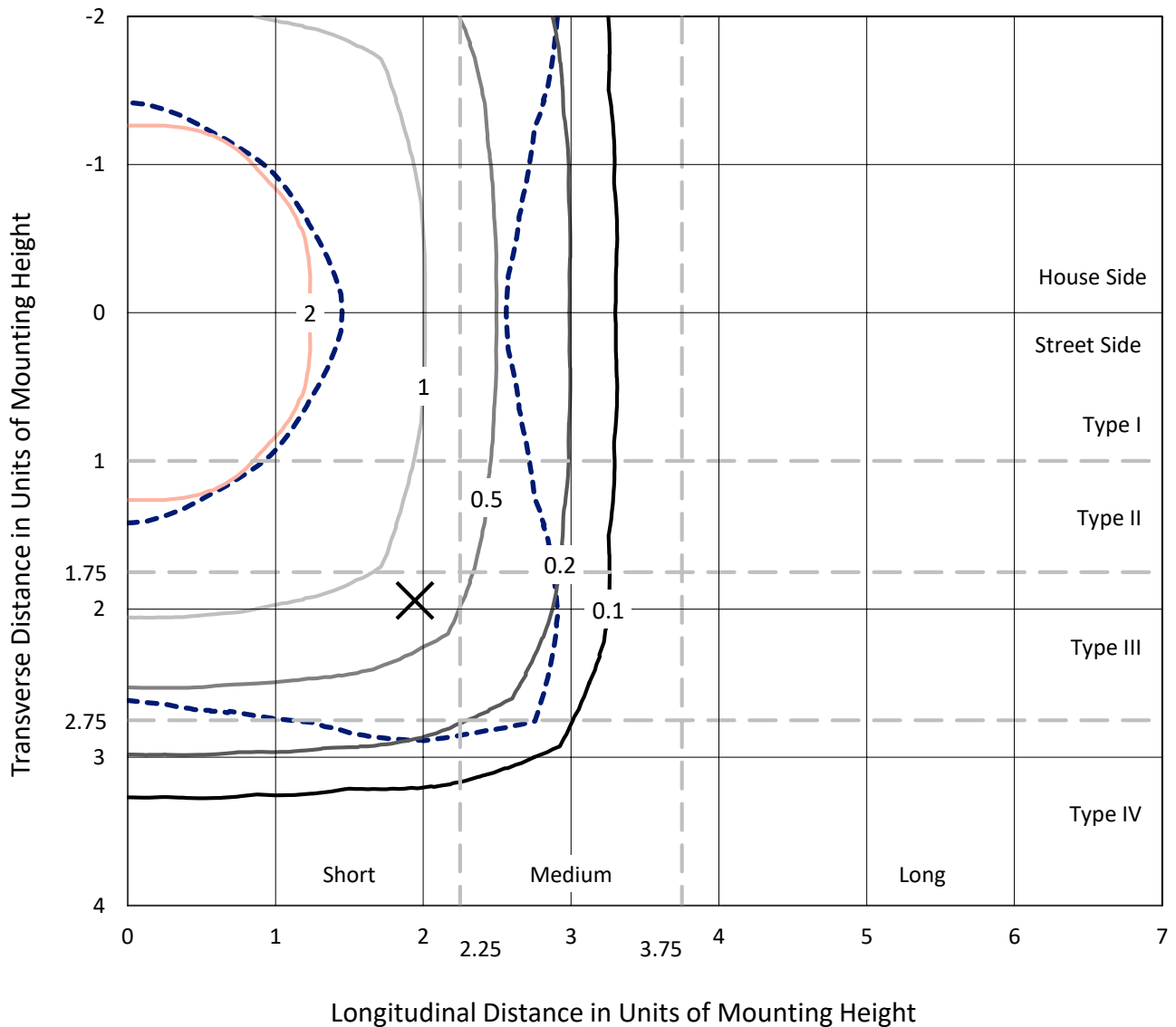
Input Watts (W): 191
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

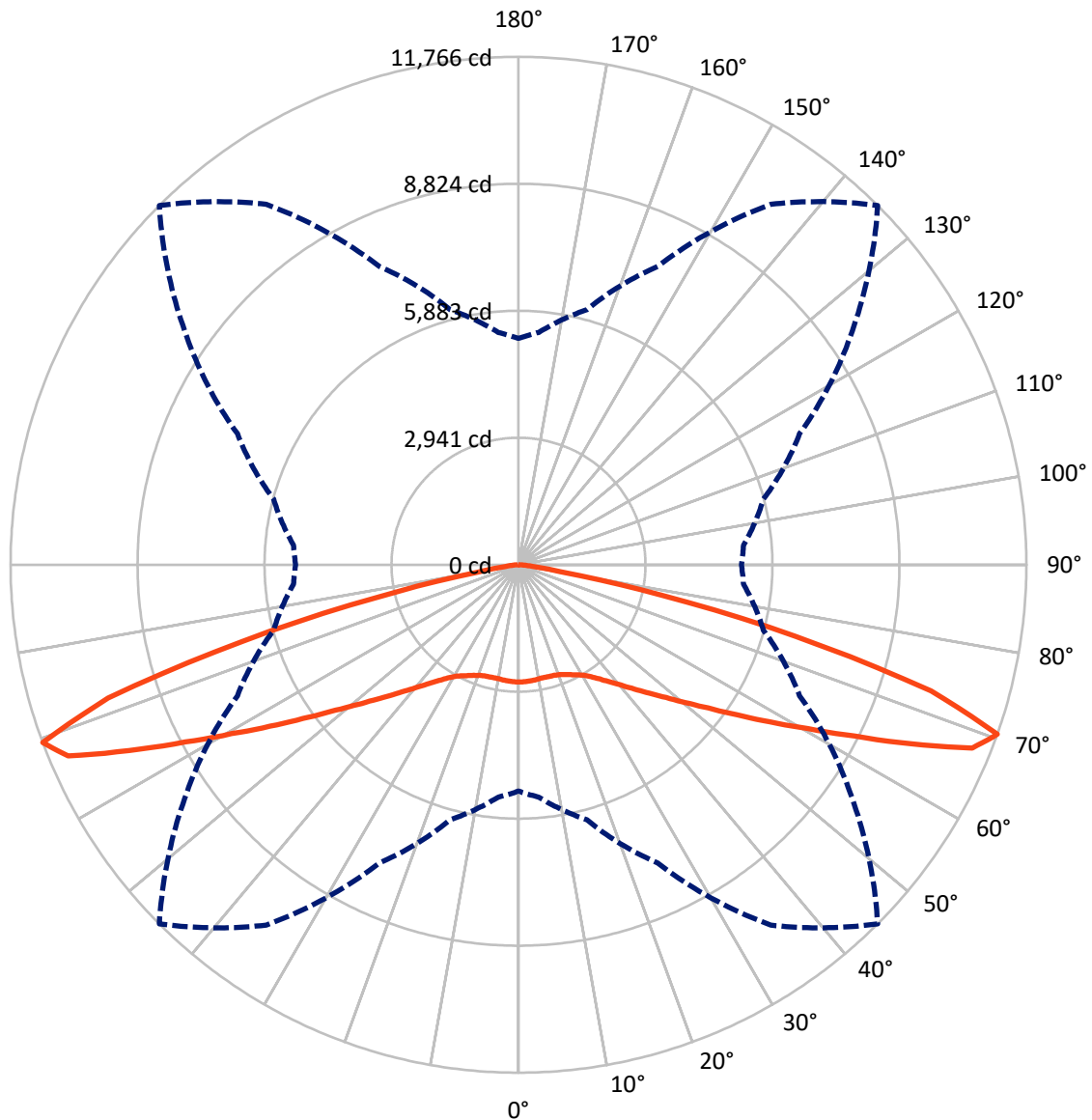
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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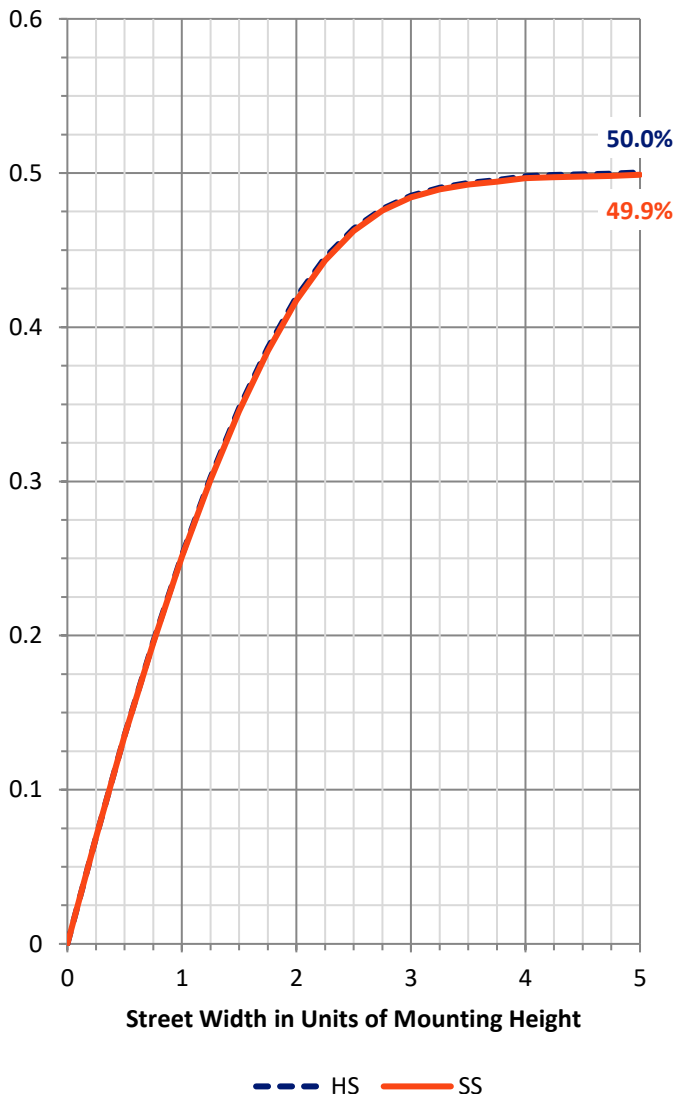
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12442.5	0.0	12442.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12442.5	0.0	12442.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24885.0	0.0	24885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	1.0
10°-20°	755.7	3.0
20°-30°	1286.4	5.2
30°-40°	2040.2	8.2
40°-50°	3320.1	13.3
50°-60°	5474.2	22.0
60°-70°	8036.3	32.3
70°-80°	3553.7	14.3
80°-90°	160.9	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°	24885.0	100.0
0°-180°	24885.0	100.0

Coefficient of Utilization

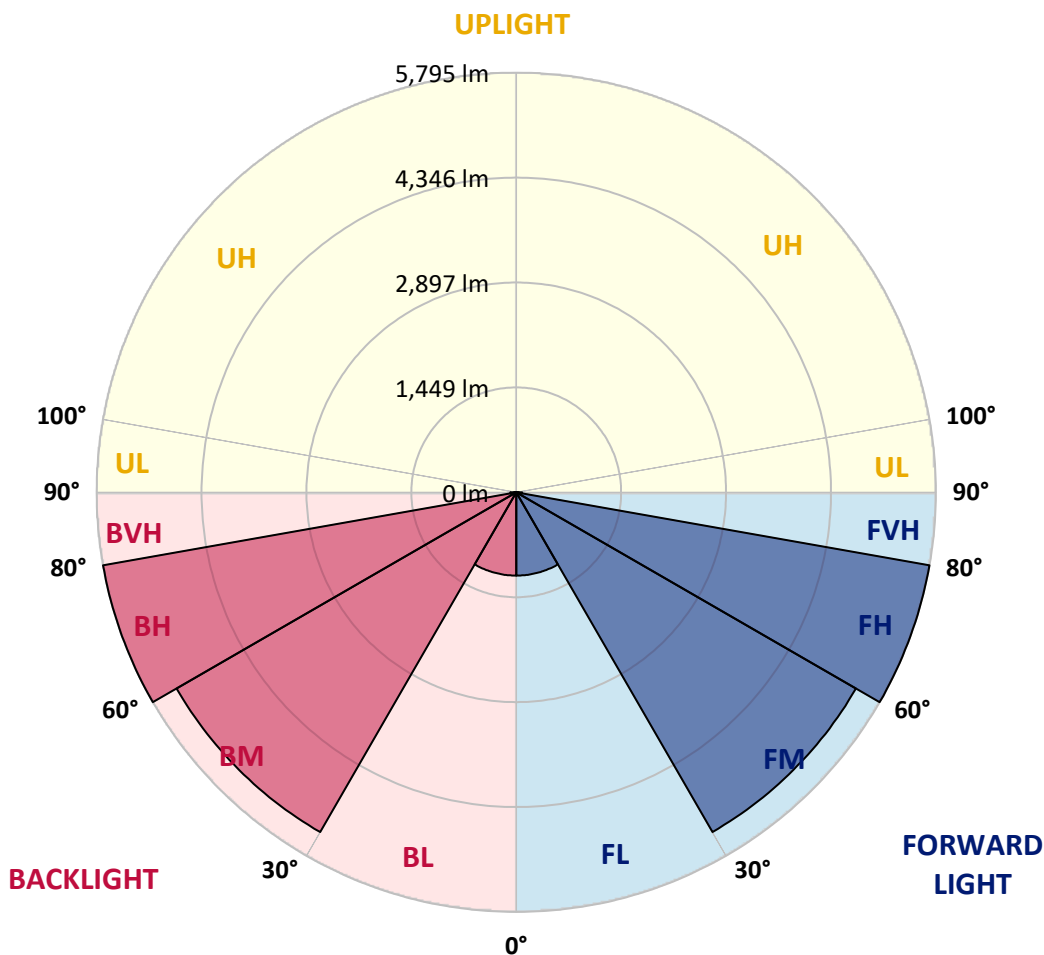


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.7	4.6			
FM (30°-60°)	5417.3	21.8			
FH (60°-80°)	5795.0	23.3			G3/7500
FVH (80°-90°)	80.5	0.3			G1/100
BL (0°-30°)	1149.7	4.6	B3/2500		
BM (30°-60°)	5417.3	21.8	B4/8500		
BH (60°-80°)	5795.0	23.3	B5		G3/7500
BVH (80°-90°)	80.5	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°	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8
2.5°	2713.7	2711.2	2717.0	2716.2	2711.2	2712.1	2712.1	2714.5	2714.5	2712.9	2712.9
5°	2703.8	2702.2	2708.8	2708.8	2703.8	2705.5	2707.1	2709.6	2708.8	2707.1	2706.3
7.5°	2691.5	2690.7	2697.2	2697.2	2693.9	2695.6	2693.9	2694.8	2693.1	2691.5	2689.0
10°	2670.9	2672.5	2678.3	2679.9	2679.9	2680.8	2679.1	2675.0	2672.5	2670.1	2667.6
12.5°	2651.9	2651.1	2659.4	2663.5	2670.1	2677.5	2672.5	2661.0	2656.1	2651.1	2649.5
15°	2639.6	2640.4	2648.6	2656.1	2667.6	2683.2	2677.5	2659.4	2649.5	2643.7	2642.1
17.5°	2637.1	2638.8	2649.5	2662.6	2675.0	2692.3	2689.0	2670.9	2654.4	2643.7	2641.2
20°	2642.9	2643.7	2660.2	2679.1	2700.5	2717.0	2709.6	2689.8	2667.6	2651.1	2647.0
22.5°	2653.6	2656.9	2677.5	2707.1	2740.1	2762.3	2753.2	2719.5	2684.9	2664.3	2658.5
25°	2687.4	2688.2	2716.2	2756.5	2796.1	2821.6	2810.9	2763.1	2718.7	2695.6	2688.2
27.5°	2757.4	2759.8	2787.8	2834.8	2868.5	2885.0	2878.4	2839.7	2801.8	2777.1	2779.6
30°	2858.7	2862.0	2893.3	2945.1	2965.7	2969.8	2968.2	2950.1	2915.5	2882.5	2885.0
32.5°	2982.2	2983.8	3025.8	3072.8	3089.3	3092.6	3089.3	3072.8	3031.6	2987.1	2989.6
35°	3141.2	3146.1	3186.4	3231.7	3244.9	3251.5	3245.7	3224.3	3181.5	3137.9	3136.2
37.5°	3337.2	3338.0	3380.0	3426.9	3443.4	3445.1	3438.5	3424.5	3370.9	3331.4	3328.9
40°	3564.5	3567.8	3617.2	3667.4	3674.0	3666.6	3675.7	3667.4	3612.2	3566.9	3574.4
42.5°	3841.2	3848.6	3907.9	3957.3	3938.4	3934.3	3940.0	3942.5	3898.0	3842.8	3837.9
45°	4163.2	4169.8	4243.9	4283.5	4271.1	4243.9	4255.5	4275.2	4213.5	4145.1	4151.7
47.5°	4530.5	4547.0	4626.1	4663.1	4632.7	4595.6	4617.8	4647.5	4575.0	4490.2	4486.1
50°	4939.0	4959.6	5065.0	5116.9	5086.5	5018.1	5055.2	5074.9	4970.3	4860.8	4851.7
52.5°	5374.7	5395.3	5527.9	5635.0	5615.2	5509.0	5560.8	5540.3	5420.0	5272.6	5261.1
55°	5868.0	5876.3	6019.6	6192.5	6212.3	6134.1	6130.8	6097.0	5919.1	5748.6	5740.4
57.5°	6375.4	6381.1	6566.4	6770.7	6863.8	6863.8	6771.5	6699.9	6463.5	6265.8	6245.2
60°	6923.1	6943.6	7148.7	7426.3	7643.7	7707.9	7544.9	7349.7	7092.7	6851.4	6827.5
62.5°	7410.6	7434.5	7748.3	8161.7	8510.9	8744.8	8346.2	8028.3	7560.5	7173.4	7128.1
65°	7472.4	7536.6	7993.7	8742.4	9523.9	9990.9	9226.6	8443.4	7591.0	7053.2	7007.1
67.5°	6824.2	6932.9	7550.6	8716.0	10331.0	11333.3	9789.1	8206.2	7044.1	6449.5	6398.4
70°	5243.8	5401.9	6114.3	7623.9	10191.9	11765.7	9436.6	7184.1	5873.0	5233.1	5161.4
72.5°	2876.8	2941.8	3582.6	5220.7	8170.8	9998.3	7871.0	5312.1	3894.7	3169.2	3048.9
75°	912.5	935.6	1261.7	2136.4	4622.0	6622.4	5000.0	2607.5	1435.5	1058.3	1046.0
77.5°	405.2	407.7	456.3	623.5	1592.0	3355.3	1912.4	709.9	489.2	427.4	441.4
80°	256.1	256.1	282.5	308.8	433.2	974.3	517.2	337.7	288.3	267.7	273.4
82.5°	122.7	135.9	183.7	197.7	238.0	327.8	265.2	220.7	192.7	143.3	133.4
85°	80.7	67.5	116.1	130.9	138.4	157.3	154.0	145.8	126.0	71.7	79.9
87.5°	36.2	34.6	60.1	55.2	51.9	39.5	59.3	73.3	70.8	35.4	35.4
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)