

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: P316577

Luminaire Tested: **GAN-SA3D-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316577
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-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 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: 24884 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 (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

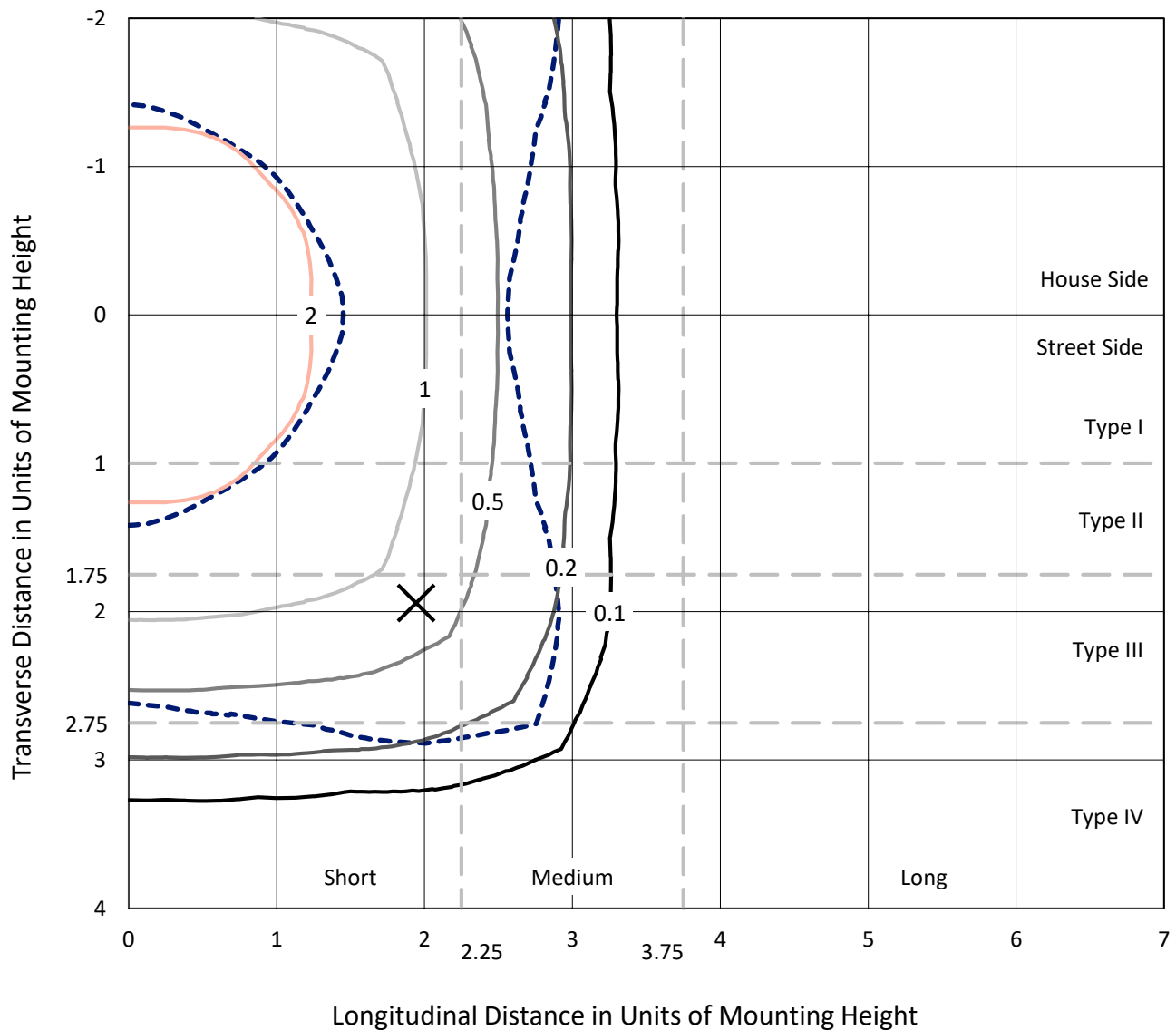


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Iso-Footcandle Lines of Horizontal Illumination

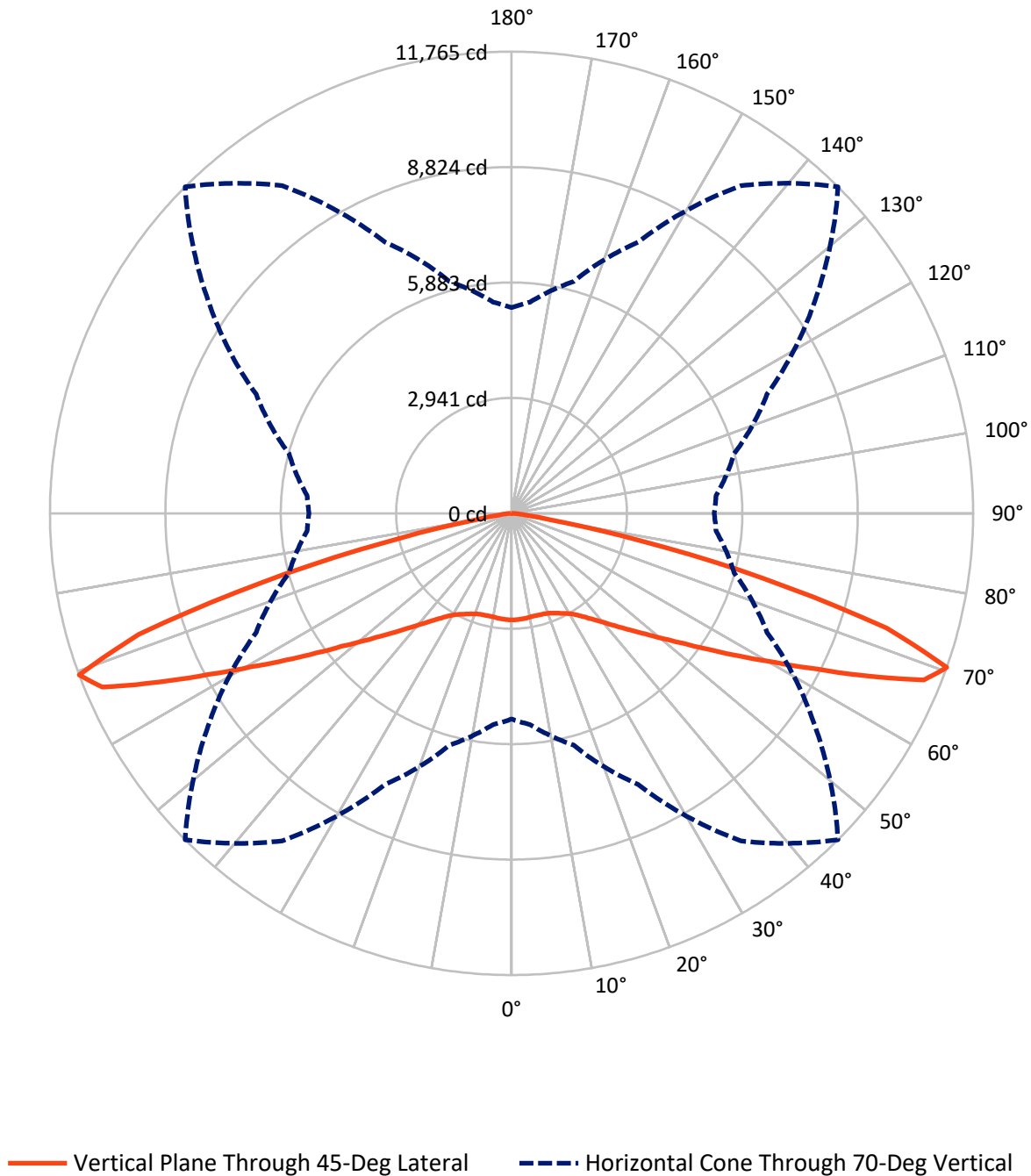
× Max cd
- - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12442.0	0.0	12442.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12442.0	0.0	12442.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24884.0	0.0	24884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	1.0
10°-20°	755.6	3.0
20°-30°	1286.4	5.2
30°-40°	2040.2	8.2
40°-50°	3320.0	13.3
50°-60°	5474.0	22.0
60°-70°	8036.0	32.3
70°-80°	3553.5	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°	24884.0	100.0
0°-180°	24884.0	100.0

Coefficient of Utilization



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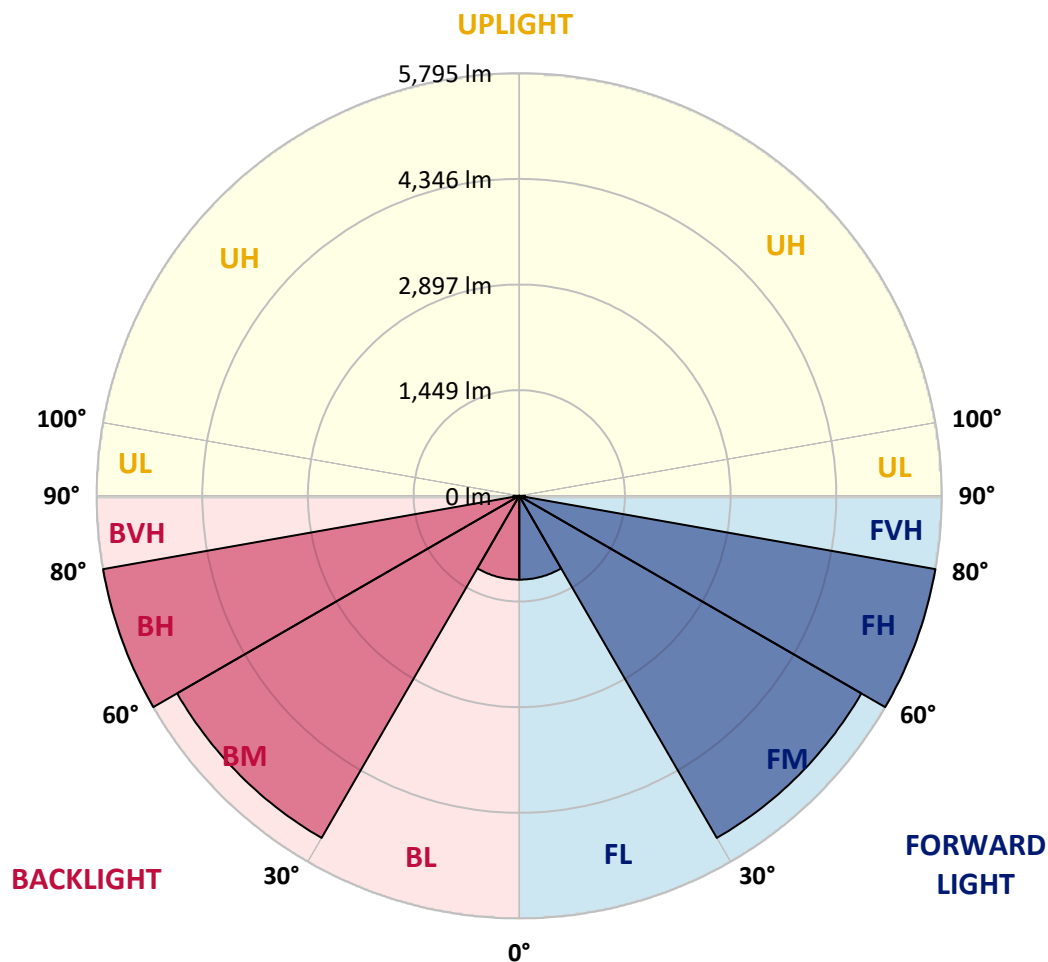
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1149.7	4.6			
FM	(30°-60°)	5417.1	21.8			
FH	(60°-80°)	5794.8	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°)	5417.1	21.8	B4/8500		
BH	(60°-80°)	5794.8	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°	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7
2.5°	2713.6	2711.1	2716.9	2716.1	2711.1	2712.0	2712.0	2714.4	2714.4	2712.8	2712.8
5°	2703.7	2702.1	2708.7	2708.7	2703.7	2705.4	2707.0	2709.5	2708.7	2707.0	2706.2
7.5°	2691.4	2690.5	2697.1	2697.1	2693.8	2695.5	2693.8	2694.7	2693.0	2691.4	2688.9
10°	2670.8	2672.4	2678.2	2679.8	2679.8	2680.7	2679.0	2674.9	2672.4	2670.0	2667.5
12.5°	2651.8	2651.0	2659.2	2663.4	2670.0	2677.4	2672.4	2660.9	2656.0	2651.0	2649.4
15°	2639.5	2640.3	2648.5	2656.0	2667.5	2683.1	2677.4	2659.2	2649.4	2643.6	2642.0
17.5°	2637.0	2638.7	2649.4	2662.5	2674.9	2692.2	2688.9	2670.8	2654.3	2643.6	2641.1
20°	2642.8	2643.6	2660.1	2679.0	2700.4	2716.9	2709.5	2689.7	2667.5	2651.0	2646.9
22.5°	2653.5	2656.8	2677.4	2707.0	2740.0	2762.2	2753.1	2719.4	2684.8	2664.2	2658.4
25°	2687.2	2688.1	2716.1	2756.4	2796.0	2821.5	2810.8	2763.0	2718.5	2695.5	2688.1
27.5°	2757.3	2759.7	2787.7	2834.7	2868.4	2884.9	2878.3	2839.6	2801.7	2777.0	2779.5
30°	2858.5	2861.8	2893.1	2945.0	2965.6	2969.7	2968.1	2950.0	2915.4	2882.4	2884.9
32.5°	2982.1	2983.7	3025.7	3072.7	3089.1	3092.4	3089.1	3072.7	3031.5	2987.0	2989.5
35°	3141.0	3146.0	3186.3	3231.6	3244.8	3251.4	3245.6	3224.2	3181.4	3137.7	3136.1
37.5°	3337.0	3337.9	3379.9	3426.8	3443.3	3444.9	3438.3	3424.3	3370.8	3331.3	3328.8
40°	3564.3	3567.6	3617.0	3667.3	3673.9	3666.5	3675.5	3667.3	3612.1	3566.8	3574.2
42.5°	3841.0	3848.5	3907.8	3957.2	3938.2	3934.1	3939.9	3942.3	3897.9	3842.7	3837.8
45°	4163.1	4169.6	4243.8	4283.3	4270.9	4243.8	4255.3	4275.1	4213.3	4144.9	4151.5
47.5°	4530.4	4546.8	4625.9	4662.9	4632.5	4595.4	4617.7	4647.3	4574.8	4490.0	4485.9
50°	4938.8	4959.4	5064.8	5116.7	5086.3	5017.9	5055.0	5074.7	4970.1	4860.6	4851.5
52.5°	5374.5	5395.1	5527.7	5634.7	5615.0	5508.7	5560.6	5540.0	5419.8	5272.4	5260.8
55°	5867.8	5876.0	6019.3	6192.3	6212.0	6133.8	6130.5	6096.8	5918.9	5748.4	5740.2
57.5°	6375.1	6380.9	6566.2	6770.4	6863.5	6863.5	6771.2	6699.6	6463.2	6265.6	6245.0
60°	6922.8	6943.4	7148.4	7426.0	7643.4	7707.6	7544.6	7349.4	7092.4	6851.1	6827.2
62.5°	7410.3	7434.2	7748.0	8161.4	8510.6	8744.5	8345.9	8028.0	7560.2	7173.1	7127.8
65°	7472.1	7536.3	7993.4	8742.0	9523.5	9990.5	9226.2	8443.1	7590.7	7052.9	7006.8
67.5°	6823.9	6932.7	7550.3	8715.6	10330.6	11332.9	9788.7	8205.9	7043.8	6449.2	6398.2
70°	5243.6	5401.7	6114.0	7623.6	10191.5	11765.3	9436.3	7183.8	5872.7	5232.8	5161.2
72.5°	2876.7	2941.7	3582.4	5220.5	8170.5	9997.9	7870.7	5311.9	3894.6	3169.0	3048.8
75°	912.5	935.6	1261.7	2136.3	4621.8	6622.2	4999.8	2607.4	1435.5	1058.3	1045.9
77.5°	405.2	407.7	456.2	623.4	1591.9	3355.1	1912.3	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	288.2	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	71.6	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)