

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: P316219

Luminaire Tested: **GAN-SA5D-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA5D-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40846 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

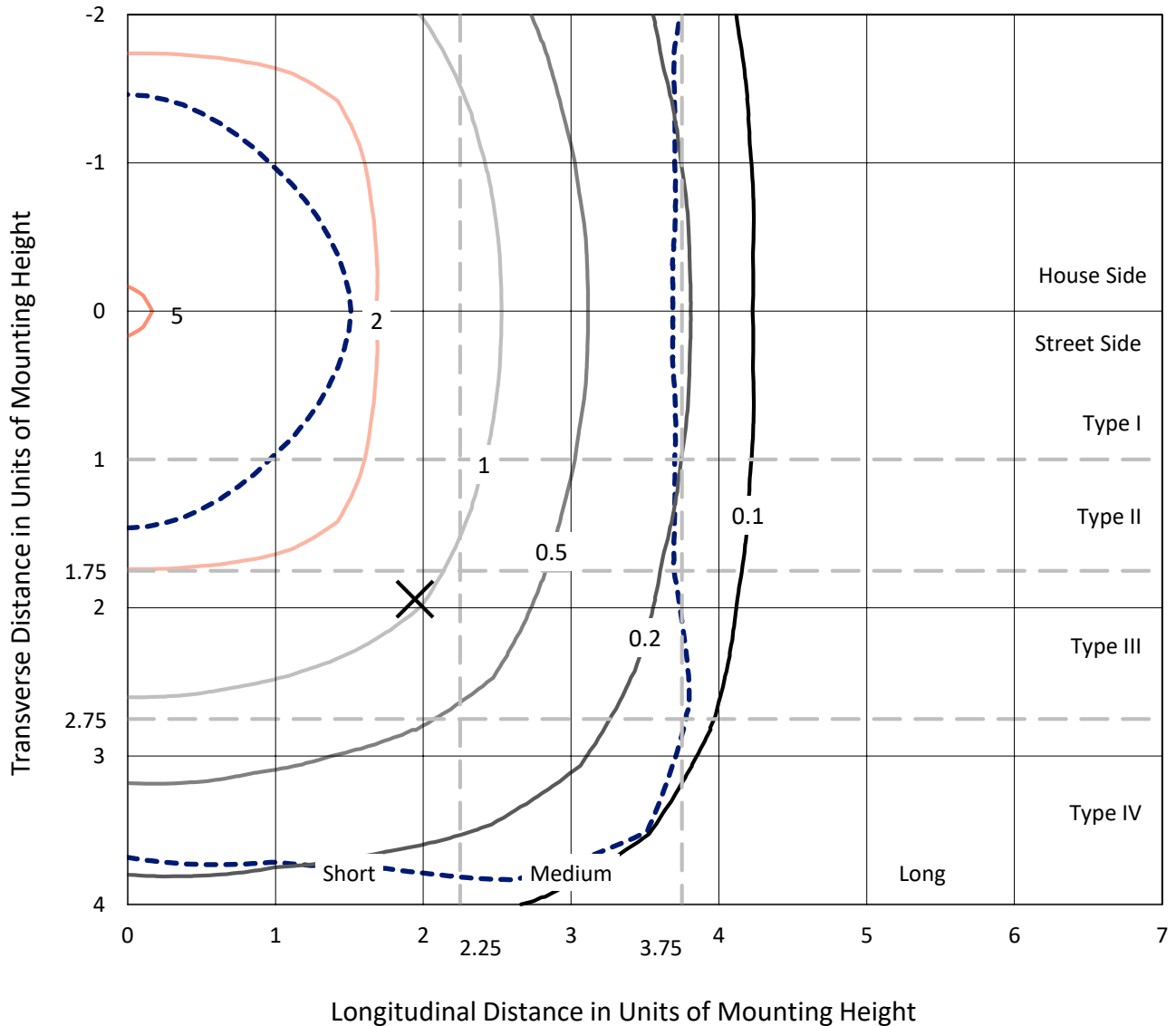
Input Watts (W): 320  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

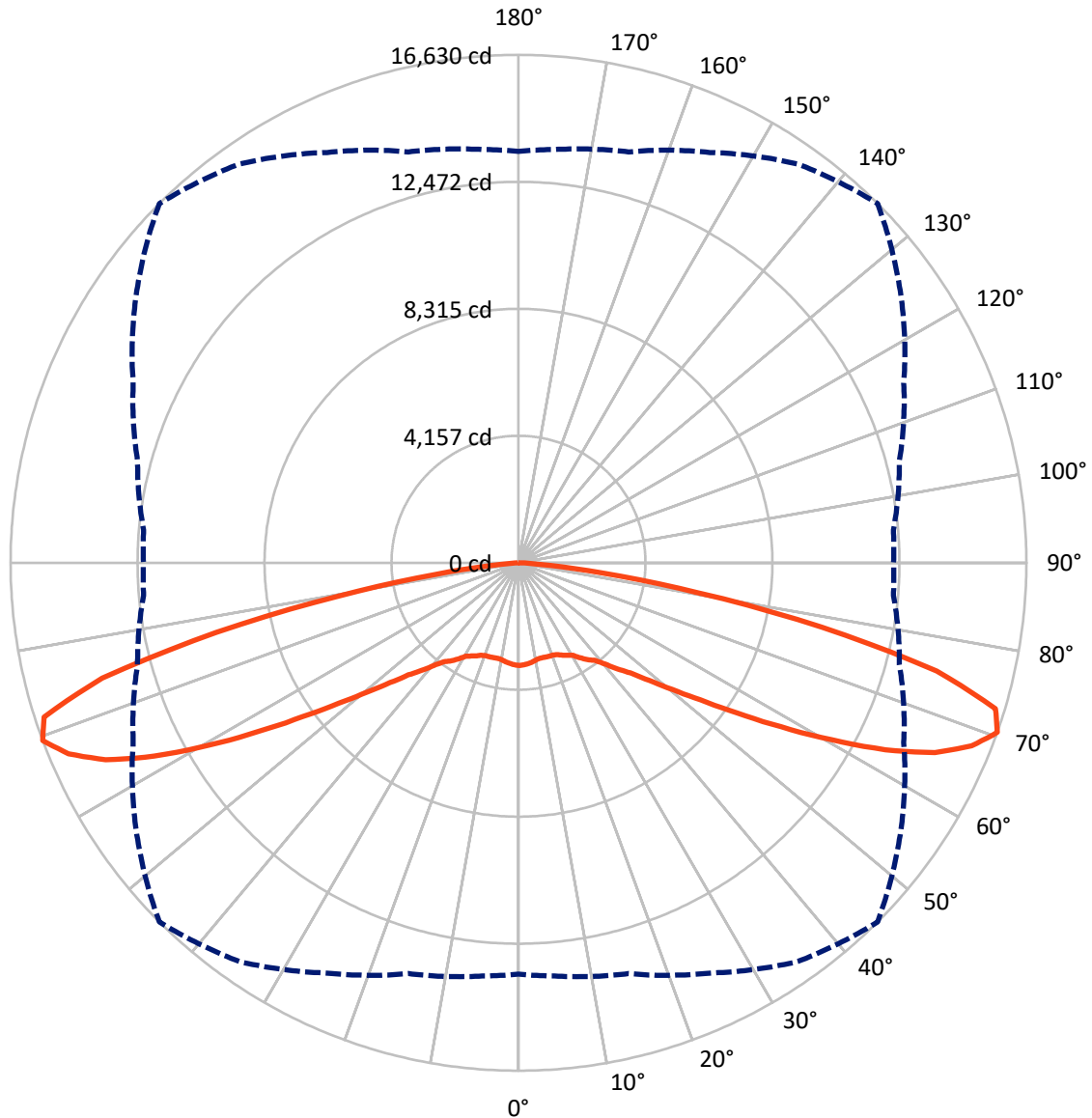
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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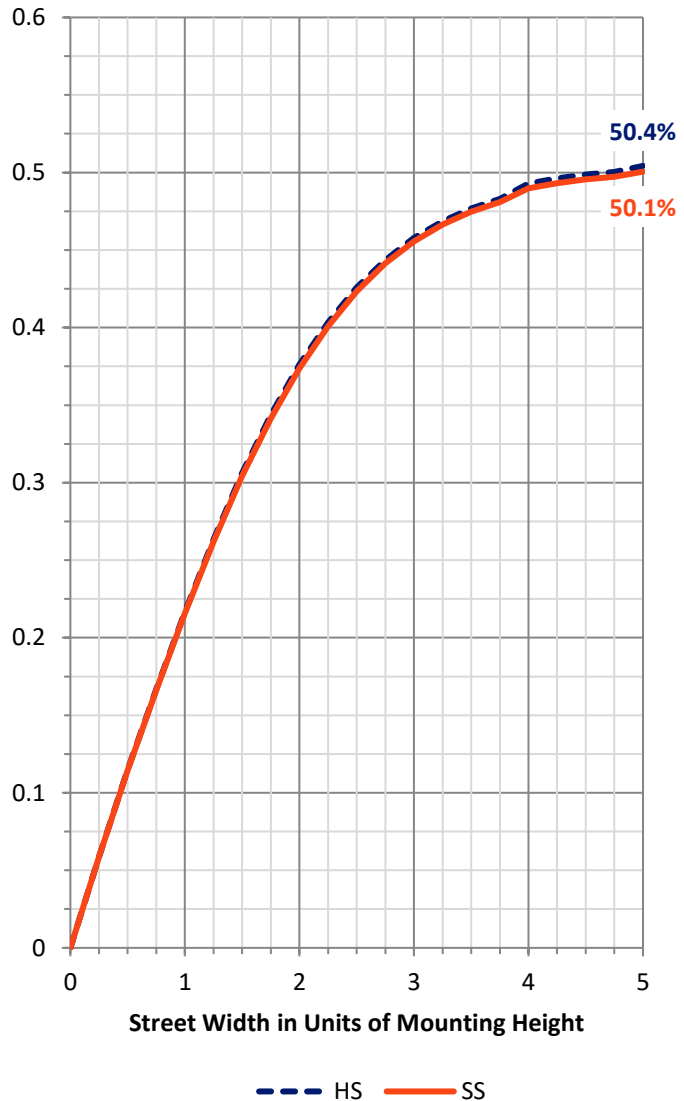
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20423.0	0.0	20423.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20423.0	0.0	20423.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40846.0	0.0	40846.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.8	0.8
10°-20°	916.5	2.2
20°-30°	1562.6	3.8
30°-40°	2441.6	6.0
40°-50°	4137.9	10.1
50°-60°	7545.7	18.5
60°-70°	12990.5	31.8
70°-80°	10182.5	24.9
80°-90°	755.0	1.8
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°	40846.0	100.0
0°-180°	40846.0	100.0

**Coefficient of Utilization**

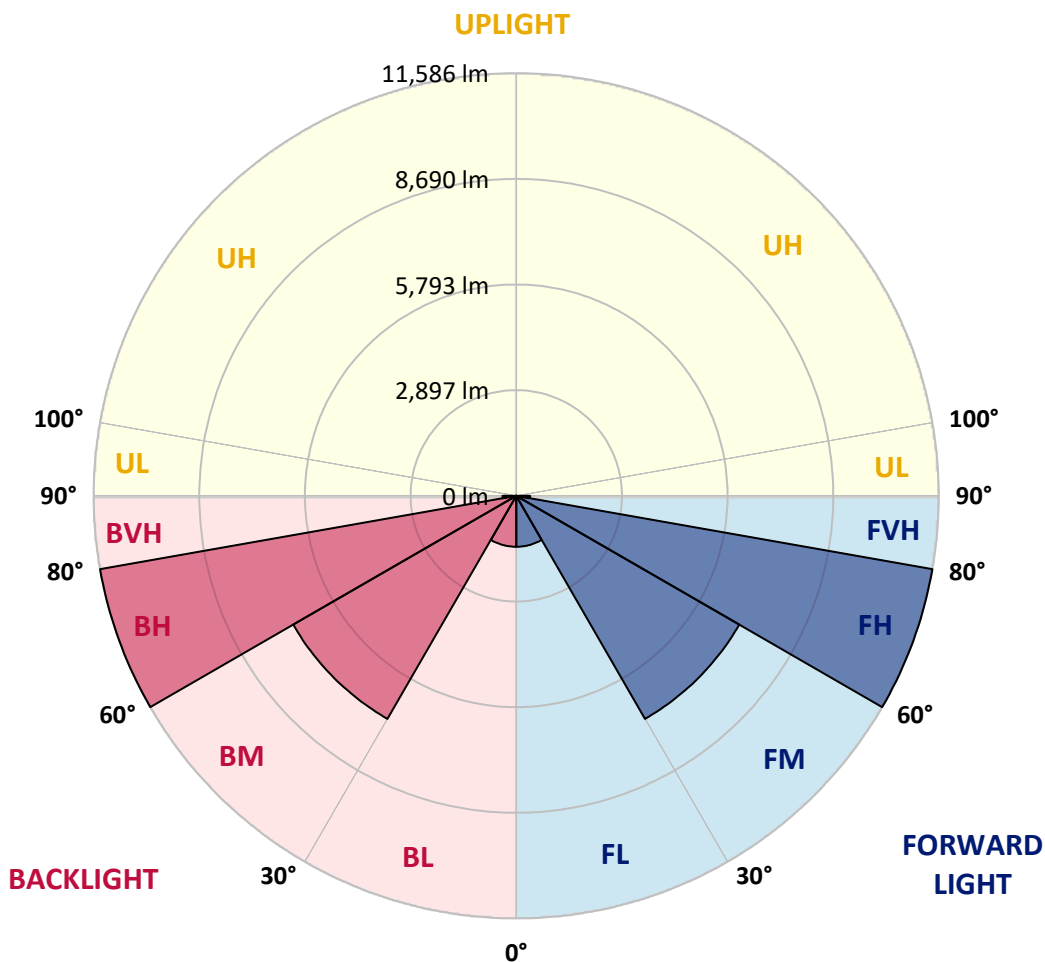


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.4	3.4			
FM (30°-60°)	7062.6	17.3			
FH (60°-80°)	11586.5	28.4			G4/12000
FVH (80°-90°)	377.5	0.9			G3/500
BL (0°-30°)	1396.4	3.4	B3/2500		
BM (30°-60°)	7062.6	17.3	B4/8500		
BH (60°-80°)	11586.5	28.4	B5		G4/12000
BVH (80°-90°)	377.5	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6	3361.6
2.5°	3346.8	3350.8	3346.8	3349.5	3342.7	3345.4	3345.4	3345.4	3344.1	3345.4	3342.7
5°	3317.0	3319.7	3314.3	3317.0	3313.0	3317.0	3318.4	3317.0	3314.3	3315.7	3310.3
7.5°	3272.5	3275.2	3271.1	3275.2	3269.8	3276.5	3275.2	3271.1	3267.1	3267.1	3261.6
10°	3248.1	3249.5	3238.7	3234.6	3222.5	3225.2	3229.2	3233.3	3237.3	3245.4	3244.1
12.5°	3249.5	3249.5	3233.3	3215.7	3198.1	3202.2	3209.0	3223.8	3240.0	3254.9	3256.2
15°	3263.0	3261.6	3237.3	3209.0	3196.8	3209.0	3213.0	3222.5	3248.1	3273.8	3275.2
17.5°	3272.5	3272.5	3234.6	3202.2	3200.8	3219.8	3218.4	3222.5	3250.8	3288.7	3290.0
20°	3290.0	3290.0	3241.4	3206.3	3206.3	3226.5	3227.9	3234.6	3263.0	3304.9	3311.6
22.5°	3329.2	3330.6	3279.2	3250.8	3253.5	3265.7	3269.8	3280.6	3306.2	3352.2	3360.3
25°	3384.6	3387.3	3334.6	3318.4	3327.9	3350.8	3348.1	3356.2	3384.6	3429.2	3437.3
27.5°	3461.6	3454.9	3406.2	3399.5	3408.9	3425.1	3423.8	3425.1	3448.1	3488.6	3498.1
30°	3561.6	3558.9	3523.8	3527.8	3523.8	3518.4	3519.7	3530.5	3542.7	3575.1	3584.6
32.5°	3658.9	3661.6	3640.0	3660.2	3690.0	3710.2	3679.1	3649.4	3635.9	3653.5	3661.6
35°	3834.5	3841.3	3807.5	3794.0	3834.5	3894.0	3806.2	3757.5	3784.5	3807.5	3814.3
37.5°	4133.1	4137.2	4080.4	4026.4	3996.7	4053.4	3965.6	3969.6	4064.2	4107.5	4106.1
40°	4473.6	4475.0	4437.1	4389.8	4338.5	4352.0	4316.9	4327.7	4389.8	4429.0	4439.8
42.5°	4879.0	4874.9	4815.5	4747.9	4733.0	4746.5	4687.1	4679.0	4750.6	4820.9	4822.2
45°	5404.6	5395.1	5318.1	5243.8	5172.2	5142.4	5127.6	5166.8	5265.4	5330.2	5331.6
47.5°	5970.7	5945.0	5904.5	5845.0	5782.9	5753.1	5728.8	5747.7	5819.4	5845.0	5847.7
50°	6553.0	6558.4	6566.5	6543.6	6520.6	6511.1	6447.6	6411.1	6432.8	6385.5	6378.7
52.5°	7243.5	7254.3	7332.6	7398.8	7438.0	7458.3	7338.0	7212.4	7142.1	7050.2	7023.2
55°	8058.2	8075.8	8190.6	8374.4	8563.5	8663.5	8446.0	8210.9	7993.3	7821.7	7766.3
57.5°	8966.2	8997.2	9155.3	9508.0	9895.7	10132.2	9764.7	9337.7	8917.5	8670.3	8627.0
60°	10030.8	10060.6	10279.5	10784.8	11413.1	11768.4	11211.7	10513.2	9990.3	9753.9	9674.1
62.5°	11298.2	11300.9	11569.8	12160.2	12989.8	13484.4	12730.4	11796.8	11257.7	10972.6	10895.6
65°	12661.5	12668.3	12946.6	13584.3	14442.3	14980.1	14128.9	13156.0	12496.7	12076.5	12017.0
67.5°	13624.9	13653.2	13946.4	14713.9	15516.5	16001.5	15120.6	14020.8	13258.7	12757.4	12707.5
70°	13470.8	13581.6	13926.2	14822.0	15938.0	16629.8	15281.4	13918.1	12912.8	12321.0	12279.1
72.5°	11748.1	11960.3	12419.7	13595.2	15380.0	16332.6	14404.5	12465.6	11327.9	10824.0	10748.3
75°	8000.1	8344.6	9037.8	10733.4	13139.8	14141.0	12126.5	9939.0	8868.9	8171.7	8120.3
77.5°	3567.0	3645.4	4523.6	6476.0	9067.5	10155.2	8810.8	6501.7	4880.3	3892.6	3684.6
80°	994.4	1006.6	1343.0	2411.8	4538.5	5966.6	4872.2	2533.4	1424.1	1003.9	945.8
82.5°	316.2	343.2	418.9	625.6	1525.4	2722.5	1566.0	675.6	481.0	383.7	345.9
85°	154.0	152.7	212.1	254.0	389.1	602.6	414.8	313.5	274.3	182.4	164.8
87.5°	64.9	66.2	98.6	89.2	113.5	97.3	133.8	140.5	147.3	81.1	70.3
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)