

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: P316179

Luminaire Tested: **GAN-SA5D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316179
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 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: 40847 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

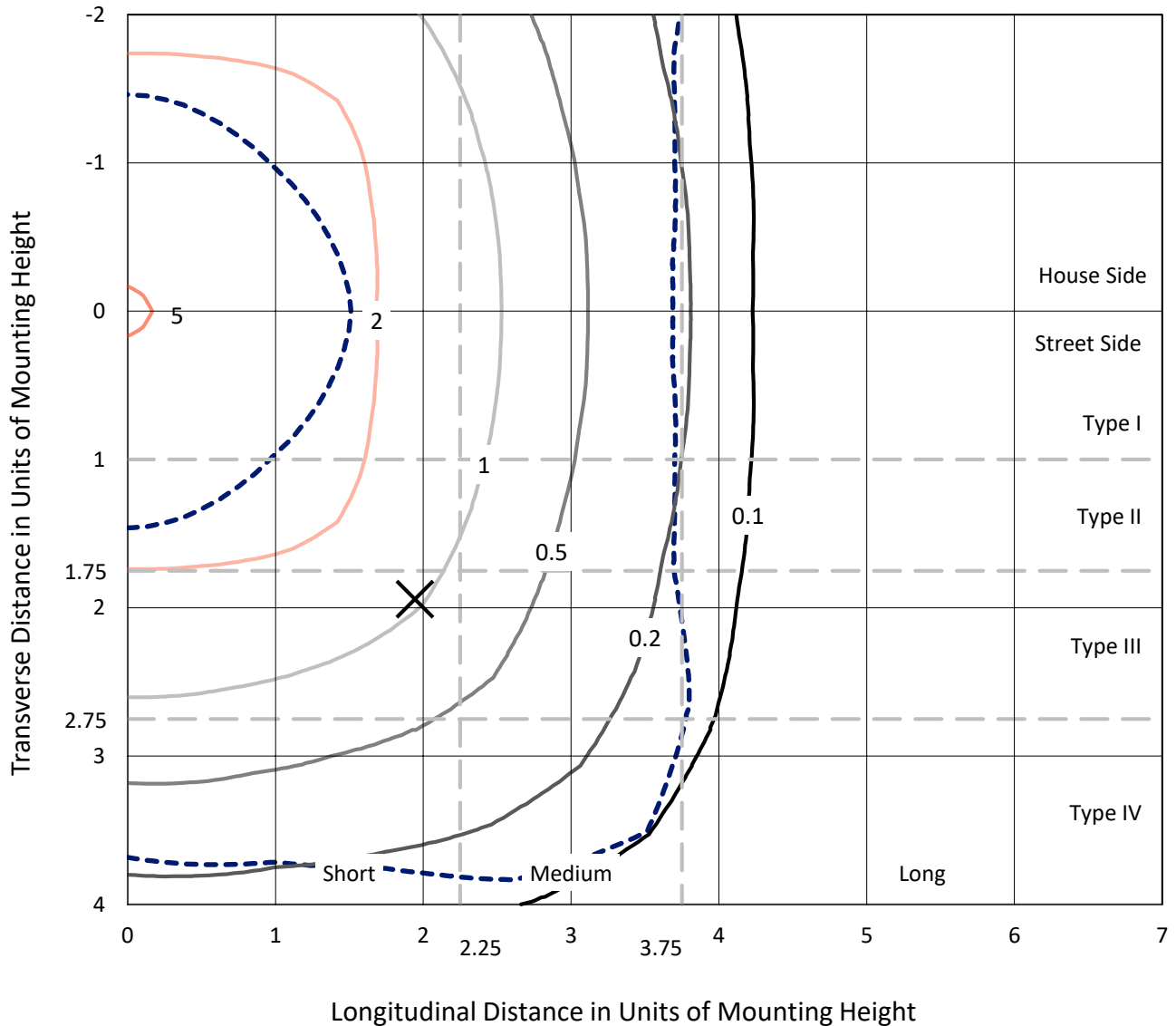
Input Watts (W): 320
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

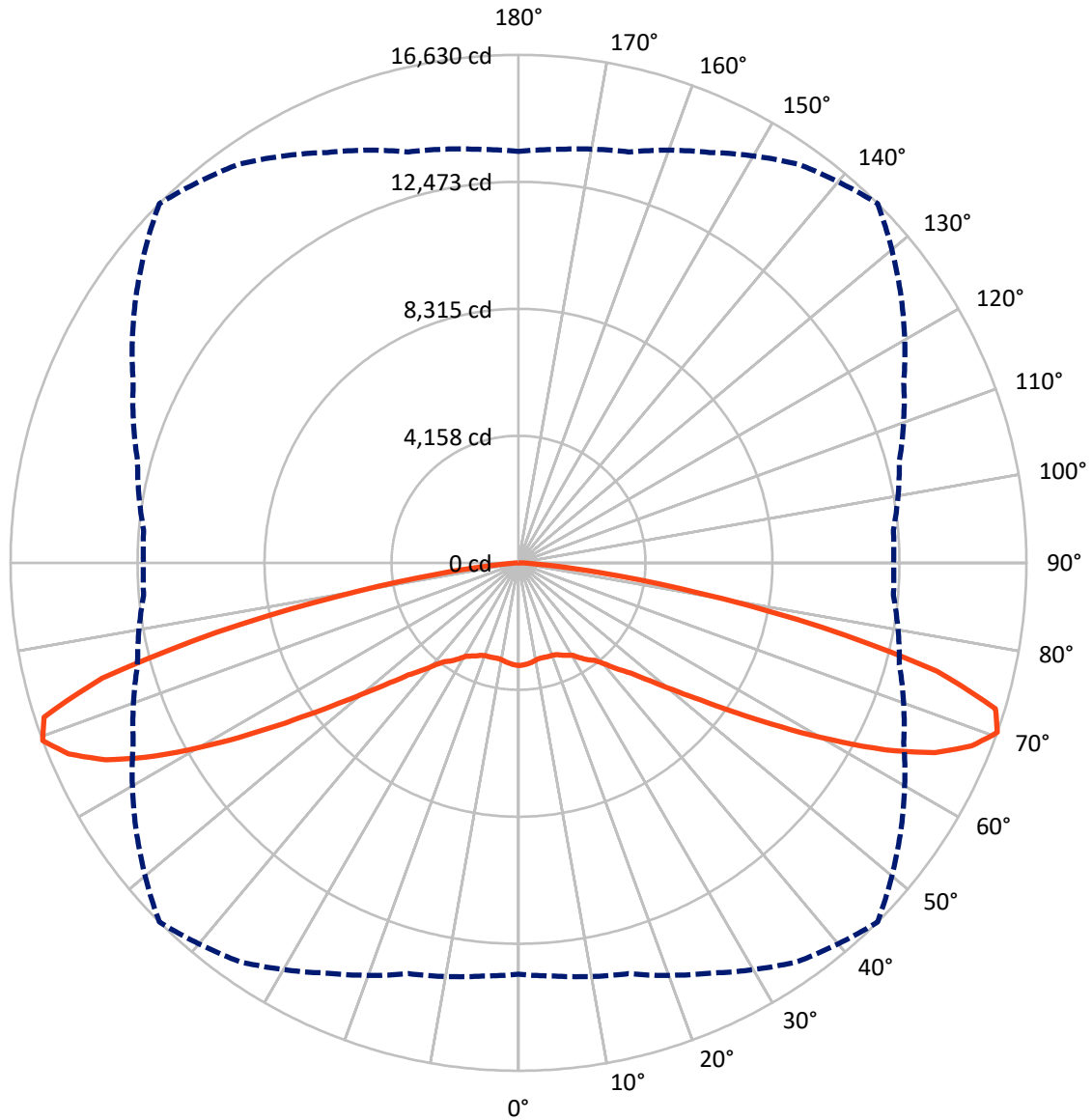
✕ Max cd
 - - - 1/2 Max cd



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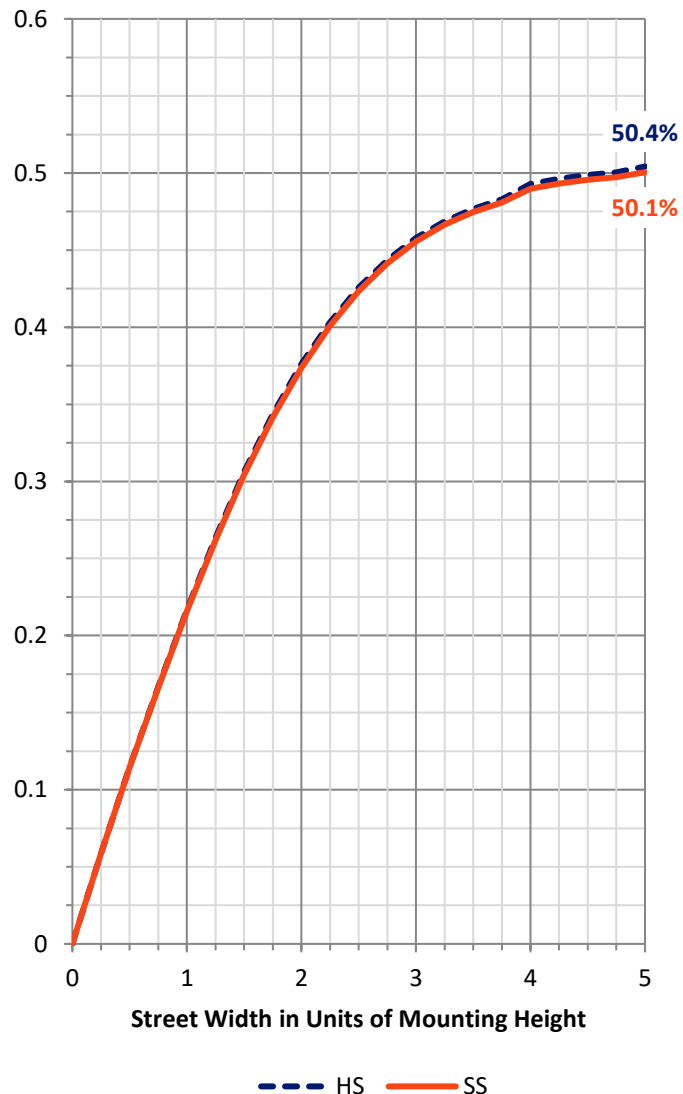
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20423.5	0.0	20423.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20423.5	0.0	20423.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40847.0	0.0	40847.0
	% 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°	4138.0	10.1
50°-60°	7545.9	18.5
60°-70°	12990.8	31.8
70°-80°	10182.7	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°	40847.0	100.0
0°-180°	40847.0	100.0

Coefficient of Utilization

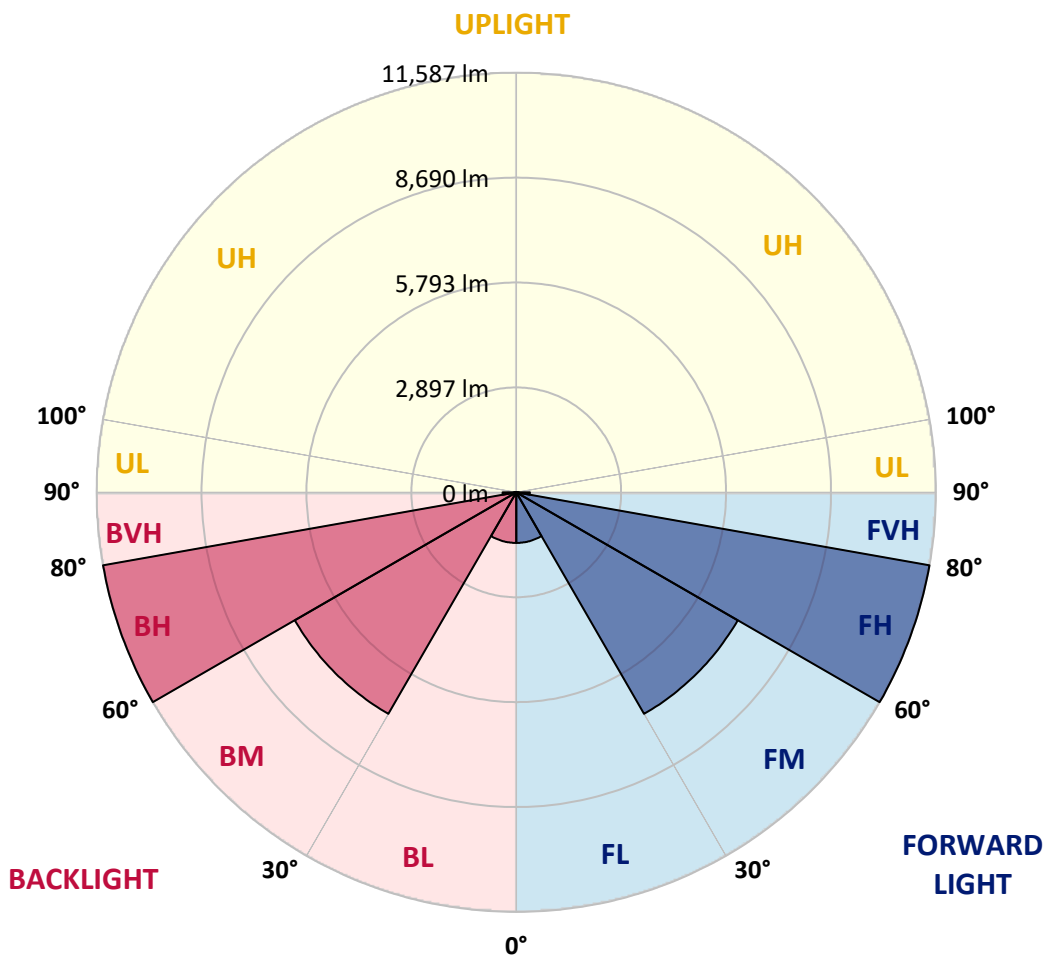


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.4	3.4			
FM (30°-60°)	7062.8	17.3			
FH (60°-80°)	11586.8	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°)	7062.8	17.3	B4/8500		
BH (60°-80°)	11586.8	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°	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7
2.5°	3346.9	3350.9	3346.9	3349.6	3342.8	3345.5	3345.5	3345.5	3344.1	3345.5	3342.8
5°	3317.1	3319.8	3314.4	3317.1	3313.1	3317.1	3318.5	3317.1	3314.4	3315.8	3310.4
7.5°	3272.5	3275.2	3271.2	3275.2	3269.8	3276.6	3275.2	3271.2	3267.1	3267.1	3261.7
10°	3248.2	3249.6	3238.8	3234.7	3222.5	3225.2	3229.3	3233.4	3237.4	3245.5	3244.2
12.5°	3249.6	3249.6	3233.4	3215.8	3198.2	3202.3	3209.0	3223.9	3240.1	3255.0	3256.3
15°	3263.1	3261.7	3237.4	3209.0	3196.9	3209.0	3213.1	3222.5	3248.2	3273.9	3275.2
17.5°	3272.5	3272.5	3234.7	3202.3	3200.9	3219.8	3218.5	3222.5	3250.9	3288.8	3290.1
20°	3290.1	3290.1	3241.5	3206.3	3206.3	3226.6	3227.9	3234.7	3263.1	3305.0	3311.7
22.5°	3329.3	3330.6	3279.3	3250.9	3253.6	3265.8	3269.8	3280.6	3306.3	3352.3	3360.4
25°	3384.7	3387.4	3334.7	3318.5	3327.9	3350.9	3348.2	3356.3	3384.7	3429.3	3437.4
27.5°	3461.7	3454.9	3406.3	3399.5	3409.0	3425.2	3423.9	3425.2	3448.2	3488.7	3498.2
30°	3561.7	3559.0	3523.9	3527.9	3523.9	3518.4	3519.8	3530.6	3542.8	3575.2	3584.7
32.5°	3659.0	3661.7	3640.1	3660.3	3690.0	3710.3	3679.2	3649.5	3636.0	3653.6	3661.7
35°	3834.6	3841.4	3807.6	3794.1	3834.6	3894.1	3806.2	3757.6	3784.6	3807.6	3814.4
37.5°	4133.2	4137.3	4080.5	4026.5	3996.8	4053.5	3965.7	3969.7	4064.3	4107.6	4106.2
40°	4473.7	4475.1	4437.2	4390.0	4338.6	4352.1	4317.0	4327.8	4390.0	4429.1	4439.9
42.5°	4879.1	4875.0	4815.6	4748.0	4733.2	4746.7	4687.2	4679.1	4750.7	4821.0	4822.3
45°	5404.7	5395.2	5318.2	5243.9	5172.3	5142.6	5127.7	5166.9	5265.5	5330.4	5331.7
47.5°	5970.8	5945.2	5904.6	5845.2	5783.0	5753.3	5729.0	5747.9	5819.5	5845.2	5847.9
50°	6553.2	6558.6	6566.7	6543.7	6520.8	6511.3	6447.8	6411.3	6432.9	6385.6	6378.9
52.5°	7243.6	7254.4	7332.8	7399.0	7438.2	7458.5	7338.2	7212.6	7142.3	7050.4	7023.4
55°	8058.4	8075.9	8190.8	8374.6	8563.7	8663.7	8446.2	8211.1	7993.5	7821.9	7766.5
57.5°	8966.4	8997.4	9155.5	9508.2	9896.0	10132.4	9764.9	9337.9	8917.7	8670.5	8627.2
60°	10031.1	10060.8	10279.7	10785.0	11413.3	11768.7	11212.0	10513.5	9990.6	9754.1	9674.4
62.5°	11298.5	11301.2	11570.1	12160.5	12990.2	13484.7	12730.7	11797.1	11258.0	10972.9	10895.8
65°	12661.8	12668.6	12946.9	13584.7	14442.7	14980.4	14129.2	13156.4	12497.0	12076.8	12017.3
67.5°	13625.2	13653.6	13946.8	14714.3	15516.8	16001.9	15121.0	14021.1	13259.0	12757.8	12707.8
70°	13471.2	13582.0	13926.5	14822.3	15938.4	16630.2	15281.7	13918.4	12913.1	12321.3	12279.4
72.5°	11748.4	11960.6	12420.0	13595.5	15380.4	16333.0	14404.8	12465.9	11328.2	10824.2	10748.6
75°	8000.3	8344.8	9038.0	10733.7	13140.1	14141.4	12126.8	9939.2	8869.1	8171.9	8120.5
77.5°	3567.1	3645.5	4523.7	6476.2	9067.7	10155.4	8811.0	6501.8	4880.4	3892.7	3684.6
80°	994.5	1006.6	1343.1	2411.8	4538.6	5966.8	4872.3	2533.4	1424.1	1003.9	945.8
82.5°	316.2	343.2	418.9	625.6	1525.5	2722.6	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)