

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: P316100

Luminaire Tested: **GAN-SA6D-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316100
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-SA6D-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 40879 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

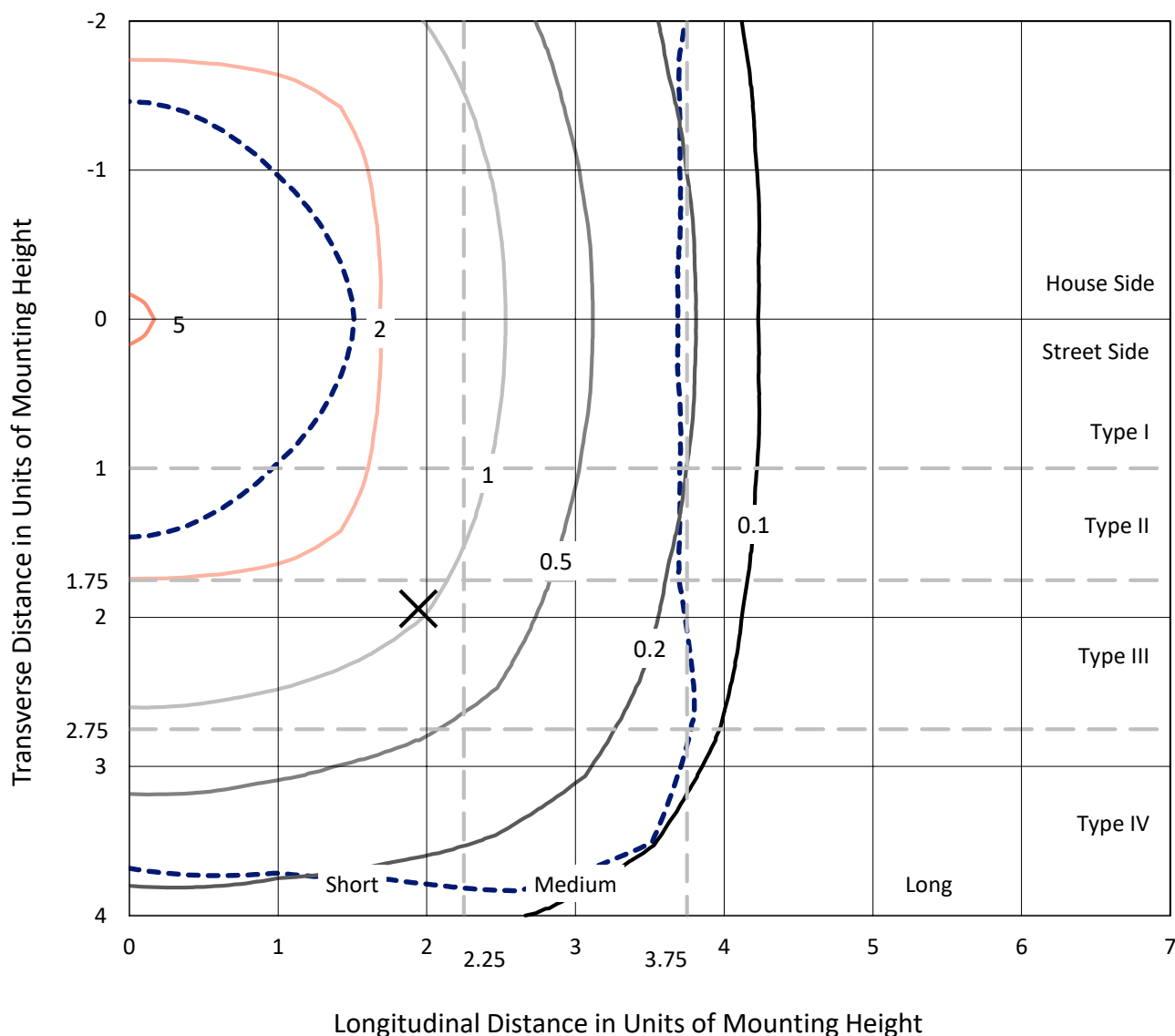
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

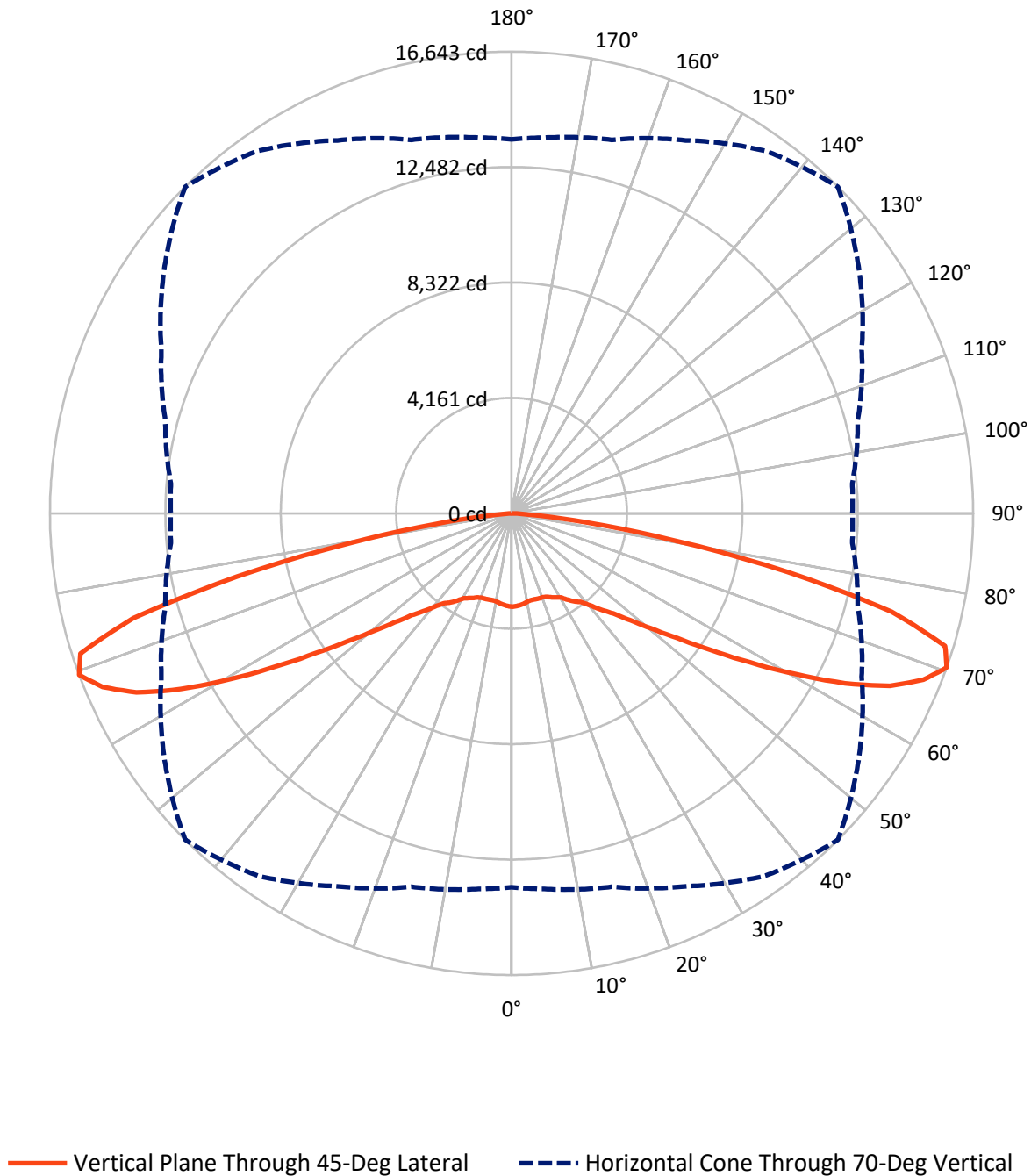
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20439.5	0.0	20439.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20439.5	0.0	20439.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40879.0	0.0	40879.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	0.8
10°-20°	917.2	2.2
20°-30°	1563.8	3.8
30°-40°	2443.5	6.0
40°-50°	4141.2	10.1
50°-60°	7551.8	18.5
60°-70°	13001.0	31.8
70°-80°	10190.7	24.9
80°-90°	755.6	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°	40879.0	100.0
0°-180°	40879.0	100.0

Coefficient of Utilization



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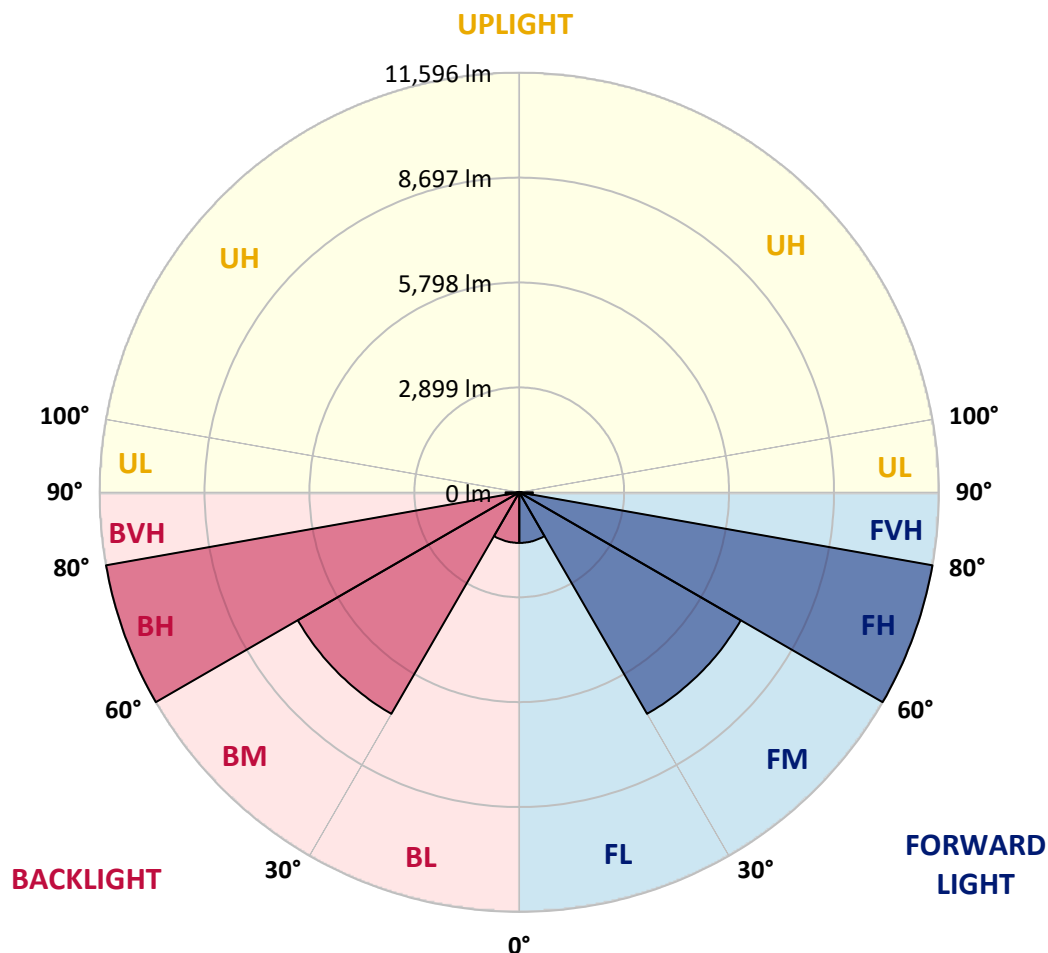
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1397.5	3.4			
FM	(30°-60°)	7068.3	17.3			
FH	(60°-80°)	11595.9	28.4			G4/12000
FVH	(80°-90°)	377.8	0.9			G3/500
BL	(0°-30°)	1397.5	3.4	B3/2500		
BM	(30°-60°)	7068.3	17.3	B4/8500		
BH	(60°-80°)	11595.9	28.4	B5		G4/12000
BVH	(80°-90°)	377.8	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°	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3	3364.3
2.5°	3349.5	3353.5	3349.5	3352.2	3345.4	3348.1	3348.1	3348.1	3346.8	3348.1	3345.4
5°	3319.7	3322.4	3317.0	3319.7	3315.7	3319.7	3321.1	3319.7	3317.0	3318.4	3313.0
7.5°	3275.1	3277.8	3273.7	3277.8	3272.4	3279.2	3277.8	3273.7	3269.7	3269.7	3264.3
10°	3250.8	3252.1	3241.3	3237.2	3225.1	3227.8	3231.8	3235.9	3239.9	3248.1	3246.7
12.5°	3252.1	3252.1	3235.9	3218.3	3200.7	3204.8	3211.5	3226.4	3242.6	3257.5	3258.9
15°	3265.6	3264.3	3239.9	3211.5	3199.4	3211.5	3215.6	3225.1	3250.8	3276.5	3277.8
17.5°	3275.1	3275.1	3237.2	3204.8	3203.4	3222.4	3221.0	3225.1	3253.5	3291.3	3292.7
20°	3292.7	3292.7	3244.0	3208.8	3208.8	3229.1	3230.5	3237.2	3265.6	3307.6	3314.3
22.5°	3331.9	3333.2	3281.9	3253.5	3256.2	3268.3	3272.4	3283.2	3308.9	3354.9	3363.0
25°	3387.3	3390.0	3337.3	3321.1	3330.5	3353.5	3350.8	3358.9	3387.3	3432.0	3440.1
27.5°	3464.4	3457.7	3409.0	3402.2	3411.7	3427.9	3426.5	3427.9	3450.9	3491.5	3500.9
30°	3564.5	3561.8	3526.6	3530.7	3526.6	3521.2	3522.6	3533.4	3545.5	3578.0	3587.5
32.5°	3661.8	3664.5	3642.9	3663.2	3692.9	3713.2	3682.1	3652.4	3638.8	3656.4	3664.5
35°	3837.6	3844.4	3810.6	3797.1	3837.6	3897.1	3809.2	3760.6	3787.6	3810.6	3817.3
37.5°	4136.5	4140.5	4083.7	4029.6	3999.9	4056.7	3968.8	3972.9	4067.5	4110.8	4109.4
40°	4477.2	4478.6	4440.7	4393.4	4342.0	4355.5	4320.4	4331.2	4393.4	4432.6	4443.4
42.5°	4882.9	4878.8	4819.3	4751.7	4736.9	4750.4	4690.9	4682.8	4754.4	4824.8	4826.1
45°	5408.9	5399.5	5322.4	5248.0	5176.3	5146.6	5131.7	5170.9	5269.6	5334.5	5335.9
47.5°	5975.5	5949.8	5909.2	5849.7	5787.5	5757.8	5733.5	5752.4	5824.1	5849.7	5852.4
50°	6558.3	6563.7	6571.8	6548.8	6525.9	6516.4	6452.8	6416.3	6438.0	6390.6	6383.9
52.5°	7249.3	7260.1	7338.6	7404.8	7444.0	7464.3	7344.0	7218.2	7147.9	7055.9	7028.9
55°	8064.7	8082.3	8197.2	8381.1	8570.4	8670.5	8452.8	8217.5	7999.8	7828.1	7772.6
57.5°	8973.4	9004.5	9162.7	9515.6	9903.7	10140.4	9772.6	9345.3	8924.7	8677.3	8634.0
60°	10039.0	10068.7	10287.8	10793.5	11422.3	11777.9	11220.8	10521.7	9998.4	9761.7	9682.0
62.5°	11307.3	11310.0	11579.1	12170.1	13000.3	13495.3	12740.7	11806.3	11266.8	10981.5	10904.4
65°	12671.7	12678.5	12957.1	13595.3	14454.0	14992.2	14140.3	13166.7	12506.8	12086.2	12026.7
67.5°	13635.9	13664.3	13957.7	14725.8	15529.0	16014.5	15132.8	14032.1	13269.4	12767.8	12717.7
70°	13481.7	13592.6	13937.4	14834.0	15950.9	16643.2	15293.7	13929.3	12923.3	12331.0	12289.1
72.5°	11757.6	11969.9	12429.7	13606.1	15392.4	16345.8	14416.1	12475.7	11337.1	10832.7	10757.0
75°	8006.6	8351.4	9045.1	10742.1	13150.4	14152.4	12136.3	9947.0	8876.0	8178.3	8126.9
77.5°	3569.9	3648.3	4527.3	6481.2	9074.8	10163.4	8817.9	6506.9	4884.3	3895.8	3687.5
80°	995.2	1007.4	1344.1	2413.7	4542.1	5971.4	4876.1	2535.4	1425.3	1004.7	946.6
82.5°	316.4	343.5	419.2	626.1	1526.7	2724.7	1567.2	676.1	481.4	384.0	346.2
85°	154.2	152.8	212.3	254.2	389.4	603.1	415.1	313.7	274.5	182.6	165.0
87.5°	64.9	66.3	98.7	89.2	113.6	97.4	133.9	140.6	147.4	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)