

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: P316729

Luminaire Tested: **GAN-SA5C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30496 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

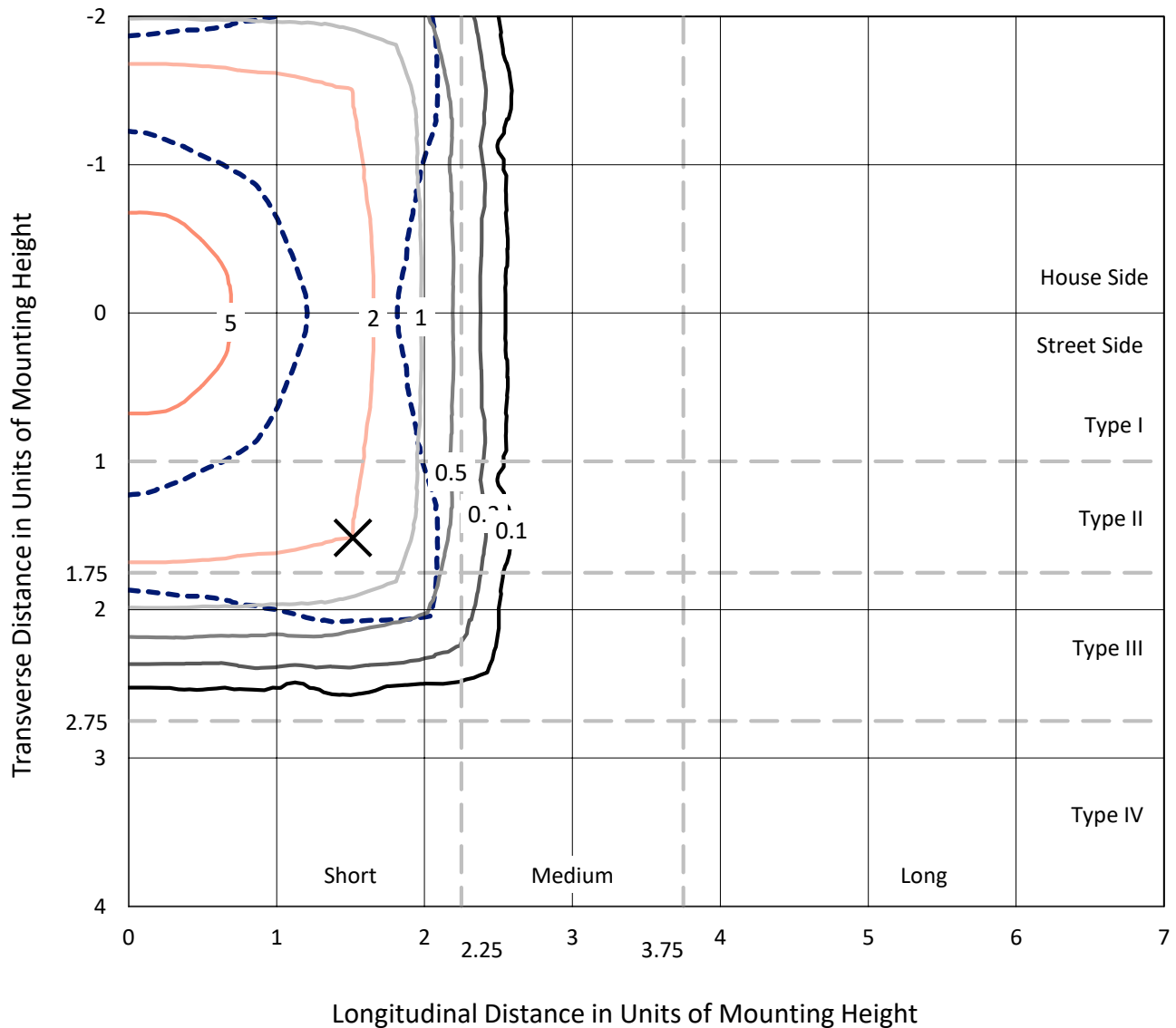
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

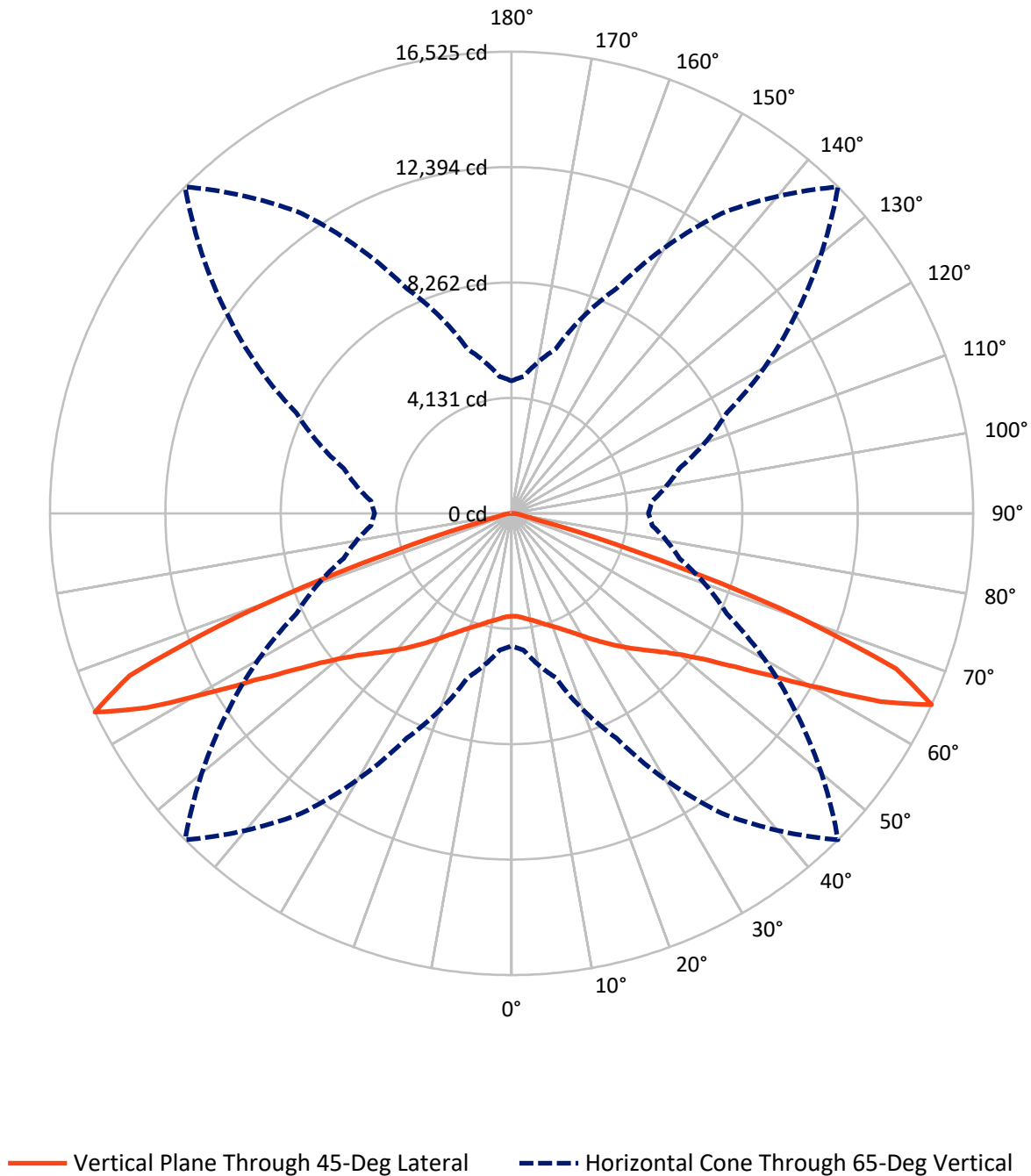
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	15248.0	0.0	15248.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15248.0	0.0	15248.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30496.0	0.0	30496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.3	1.2
10°-20°	1161.4	3.8
20°-30°	2179.0	7.1
30°-40°	3603.7	11.8
40°-50°	5581.6	18.3
50°-60°	8560.6	28.1
60°-70°	7988.0	26.2
70°-80°	929.7	3.0
80°-90°	130.6	0.4
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°	30496.0	100.0
0°-180°	30496.0	100.0

Coefficient of Utilization



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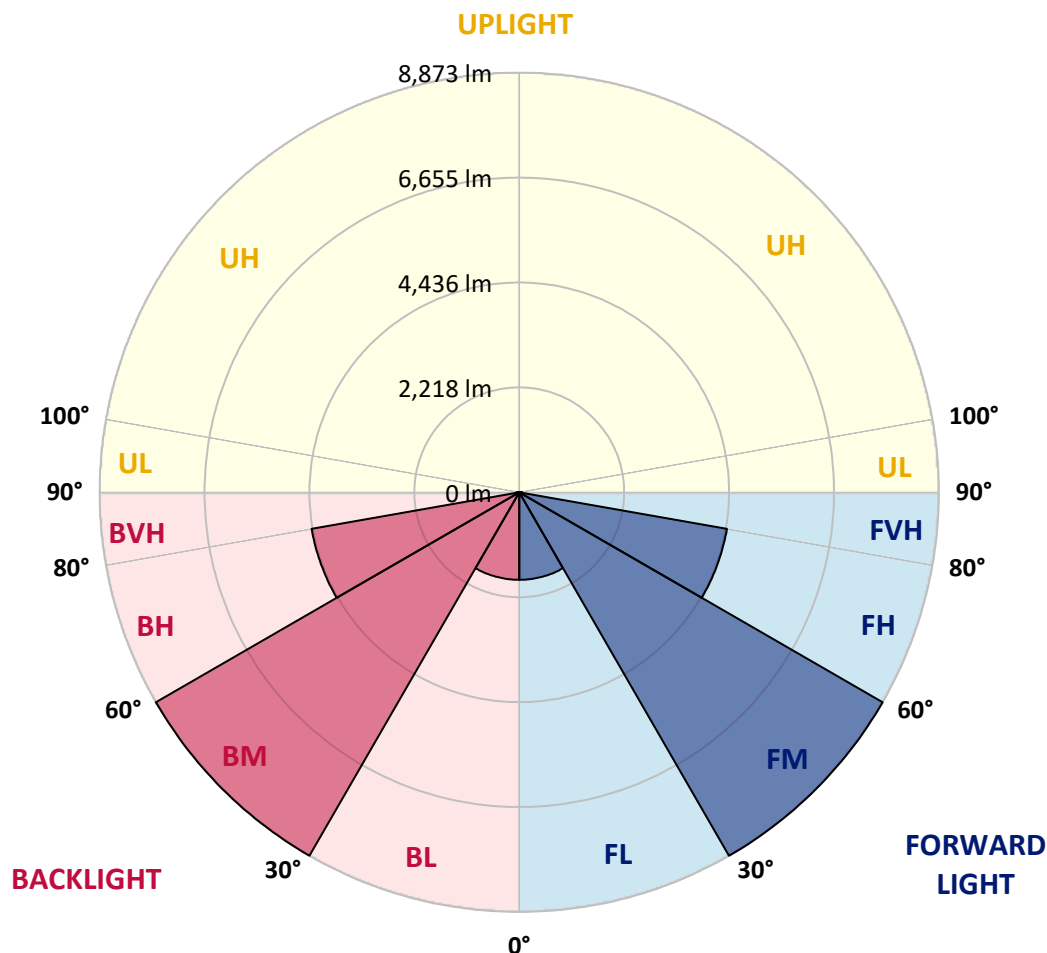
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1850.9	6.1			
FM	(30°-60°)	8872.9	29.1			
FH	(60°-80°)	4458.9	14.6			G2/5000
FVH	(80°-90°)	65.3	0.2			G1/100
BL	(0°-30°)	1850.9	6.1	B3/2500		
BM	(30°-60°)	8872.9	29.1	B5		
BH	(60°-80°)	4458.9	14.6	B4/5000		G2/5000
BVH	(80°-90°)	65.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8	3682.8
2.5°	3694.9	3692.9	3694.9	3695.9	3689.9	3692.9	3691.9	3697.0	3699.0	3697.0	3697.0
5°	3737.4	3734.4	3738.5	3743.5	3735.4	3737.4	3734.4	3740.5	3742.5	3738.5	3741.5
7.5°	3796.2	3797.2	3801.2	3810.3	3805.3	3809.3	3803.2	3804.3	3803.2	3797.2	3798.2
10°	3859.9	3860.9	3868.0	3880.2	3882.2	3882.2	3878.2	3875.1	3871.1	3867.0	3868.0
12.5°	3936.9	3941.9	3947.0	3962.2	3962.2	3970.3	3968.2	3960.2	3953.1	3947.0	3947.0
15°	4041.1	4040.1	4046.2	4061.4	4068.5	4081.6	4081.6	4070.5	4061.4	4055.3	4053.3
17.5°	4150.5	4153.5	4157.6	4175.8	4186.9	4202.1	4204.1	4195.0	4188.9	4180.8	4175.8
20°	4278.0	4283.1	4299.3	4306.4	4316.5	4330.7	4335.7	4333.7	4327.6	4323.6	4324.6
22.5°	4426.8	4440.0	4450.1	4460.2	4472.4	4482.5	4487.6	4494.6	4488.6	4485.5	4483.5
25°	4607.0	4616.1	4636.4	4654.6	4662.7	4665.7	4671.8	4681.9	4680.9	4673.8	4673.8
27.5°	4811.5	4828.7	4854.0	4880.3	4880.3	4870.2	4890.5	4907.7	4901.6	4892.5	4880.3
30°	5059.5	5075.7	5105.1	5141.5	5123.3	5116.2	5143.5	5174.9	5165.8	5150.6	5148.6
32.5°	5326.8	5342.0	5380.4	5419.9	5396.6	5386.5	5415.9	5461.4	5445.2	5414.8	5396.6
35°	5616.3	5631.5	5686.1	5733.7	5694.2	5677.0	5701.3	5750.9	5722.6	5665.9	5651.7
37.5°	5931.1	5939.2	6010.1	6058.7	6031.3	5985.8	6016.1	6052.6	6028.3	5959.5	5932.1
40°	6258.1	6287.4	6369.4	6426.1	6378.6	6306.7	6357.3	6407.9	6371.5	6283.4	6236.8
42.5°	6639.7	6662.0	6771.3	6821.9	6745.0	6643.8	6712.6	6781.5	6745.0	6660.0	6619.5
45°	7036.6	7071.0	7201.6	7252.2	7140.8	7012.3	7096.3	7216.7	7213.7	7091.2	7048.7
47.5°	7468.8	7503.2	7659.1	7725.9	7605.5	7433.4	7551.8	7721.9	7709.7	7575.1	7540.7
50°	7967.9	8004.3	8198.7	8282.7	8170.3	7969.9	8148.1	8297.9	8275.6	8109.6	8112.6
52.5°	8594.5	8592.5	8834.4	8980.2	8864.8	8687.6	8851.6	8997.4	8905.3	8675.5	8668.4
55°	9143.2	9176.6	9476.2	9752.6	9745.5	9677.7	9743.5	9749.5	9486.3	9180.6	9143.2
57.5°	9503.6	9567.3	9989.5	10489.5	10864.1	10954.2	10826.6	10439.9	9823.4	9334.5	9274.8
60°	9281.9	9379.0	10042.1	11061.5	12164.9	12694.3	11974.6	10775.0	9561.3	8880.0	8799.0
62.5°	7785.7	7949.7	8920.5	10785.1	13284.5	14832.3	12806.7	10237.5	8518.6	7580.2	7441.5
65°	4741.7	4914.8	6085.0	8876.9	13103.3	16524.9	12427.1	8497.3	6217.6	5050.4	4900.6
67.5°	1580.2	1630.8	2320.2	4906.7	10298.2	14847.5	10315.4	5086.9	2705.9	1793.8	1741.2
70°	618.5	623.6	735.9	1422.3	4863.1	10198.0	5366.2	1447.6	769.4	608.4	621.6
72.5°	454.5	456.6	487.9	594.2	1267.4	4492.6	1313.0	597.3	474.8	426.2	426.2
75°	365.4	365.4	387.7	433.3	567.9	1030.5	576.0	428.2	371.5	340.1	336.1
77.5°	288.5	294.6	311.8	341.1	384.7	496.0	398.8	339.1	299.6	270.3	264.2
80°	214.6	220.7	249.0	263.2	276.4	344.2	294.6	265.2	236.9	202.5	196.4
82.5°	140.7	146.8	182.2	190.3	187.3	224.7	198.4	195.4	174.1	130.6	124.5
85°	92.1	94.1	121.5	126.5	116.4	102.2	126.5	133.6	121.5	85.0	82.0
87.5°	43.5	43.5	61.8	57.7	52.6	42.5	57.7	67.8	68.8	41.5	40.5
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)