

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: P317243

Luminaire Tested: **GAN-SA9B-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38391 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 374
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



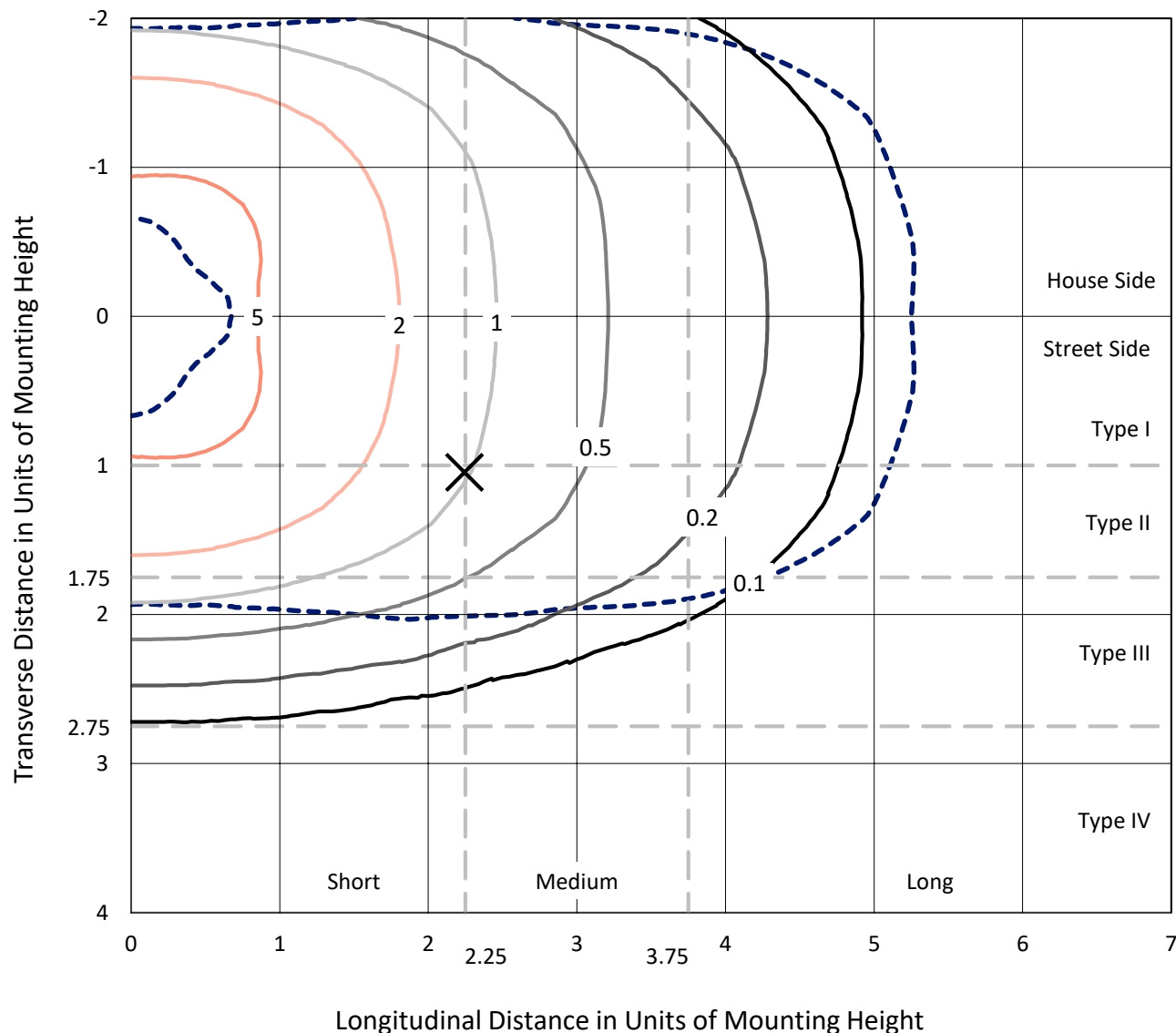
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

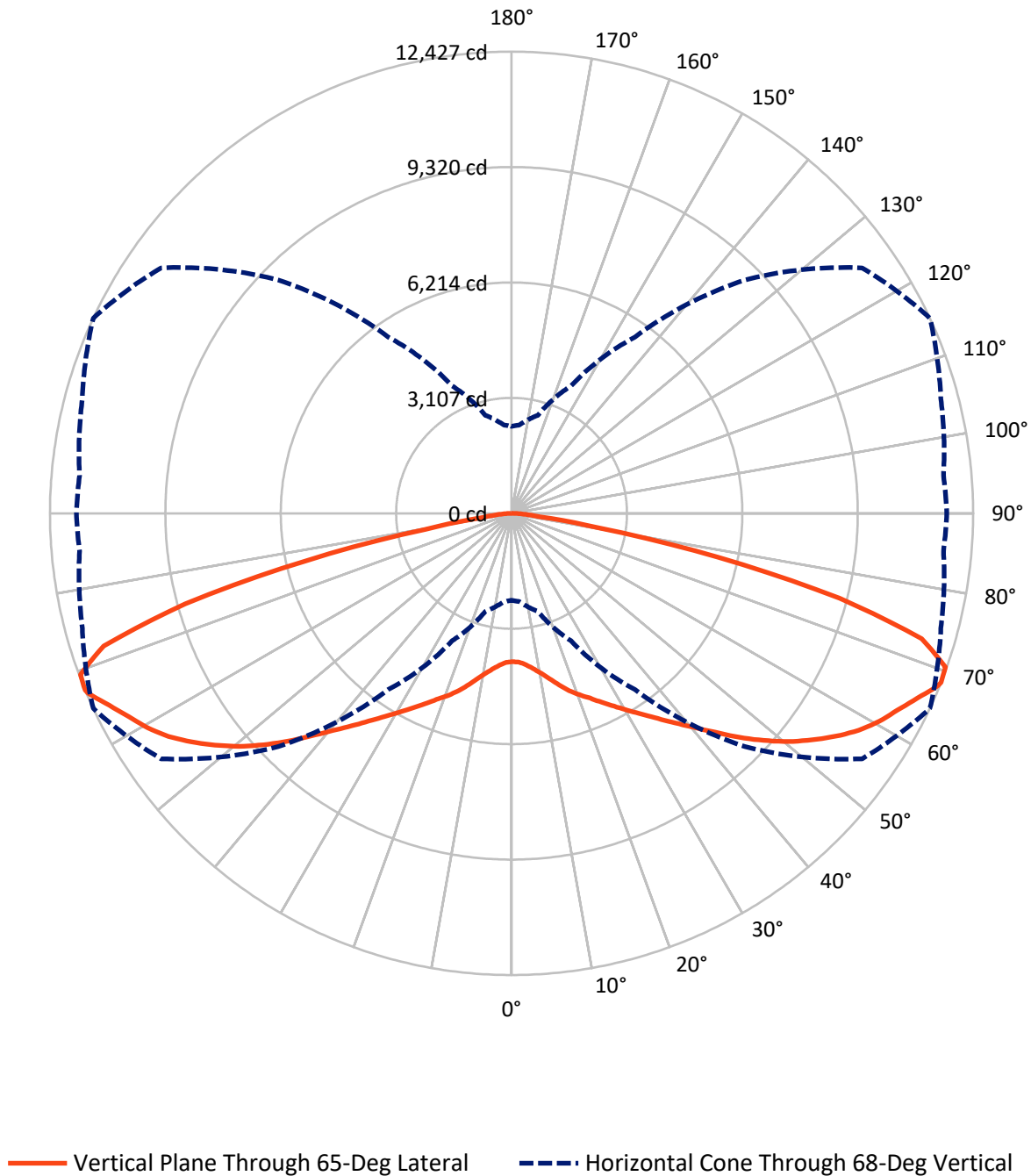
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19195.5	0.0	19195.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19195.5	0.0	19195.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38391.0	0.0	38391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.0
10°-20°	1308.6	3.4
20°-30°	2551.5	6.6
30°-40°	4286.3	11.2
40°-50°	6753.7	17.6
50°-60°	9032.0	23.5
60°-70°	8780.2	22.9
70°-80°	4799.7	12.5
80°-90°	488.1	1.3
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°	38391.0	100.0
0°-180°	38391.0	100.0

Coefficient of Utilization



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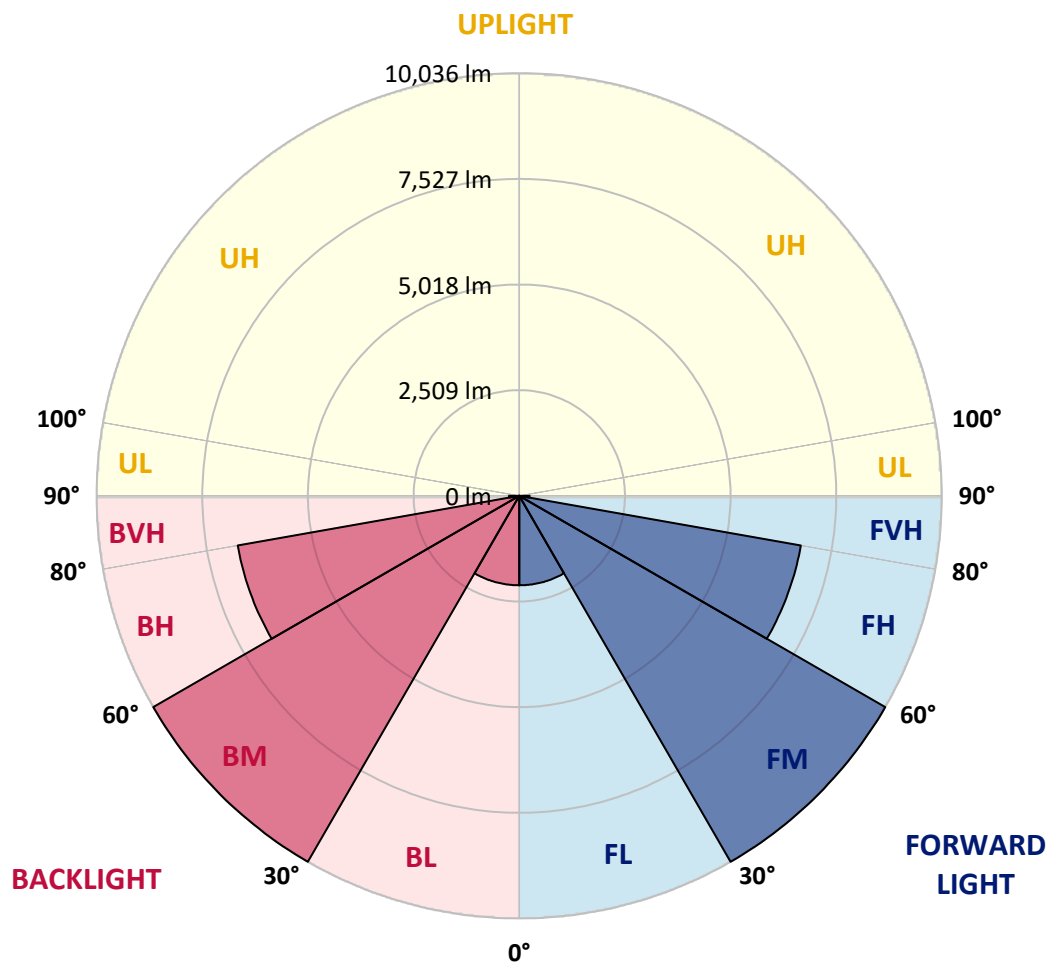
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2125.5	5.5			
FM	(30°-60°)	10036.0	26.1			
FH	(60°-80°)	6789.9	17.7			G3/7500
FVH	(80°-90°)	244.1	0.6			G3/500
BL	(0°-30°)	2125.5	5.5	B3/2500		
BM	(30°-60°)	10036.0	26.1	B5		
BH	(60°-80°)	6789.9	17.7	B5		G5
BVH	(80°-90°)	244.1	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8	3991.8
2.5°	3963.4	3964.7	3971.2	3978.9	3985.3	4002.1	4005.9	4012.4	4014.9	4021.4	4021.4
5°	3928.7	3931.3	3946.7	3967.3	3990.5	4031.7	4061.3	4094.7	4111.5	4129.5	4128.2
7.5°	3924.8	3931.3	3953.1	3986.6	4025.2	4093.5	4155.2	4222.2	4267.2	4308.4	4305.8
10°	3964.7	3975.0	4005.9	4056.1	4114.0	4199.0	4290.4	4380.5	4459.0	4522.1	4524.7
12.5°	4025.2	4038.1	4087.0	4163.0	4250.5	4359.9	4468.0	4569.7	4677.9	4771.8	4779.6
15°	4105.0	4121.8	4195.1	4308.4	4442.3	4572.3	4688.2	4792.4	4917.3	5047.3	5060.2
17.5°	4223.5	4246.6	4343.2	4496.4	4672.7	4815.6	4936.6	5015.1	5119.4	5253.3	5277.7
20°	4403.7	4433.3	4555.6	4738.4	4953.3	5102.7	5195.3	5212.1	5263.6	5383.3	5411.6
22.5°	4638.0	4663.7	4800.2	5017.7	5258.4	5420.6	5469.5	5402.6	5397.4	5494.0	5521.0
25°	4899.3	4922.4	5080.8	5325.4	5584.1	5763.0	5761.7	5631.7	5541.6	5616.3	5644.6
27.5°	5192.8	5228.8	5380.7	5638.2	5914.9	6091.3	6081.0	5880.2	5709.0	5728.3	5752.7
30°	5530.0	5569.9	5718.0	5979.3	6256.0	6428.5	6415.7	6150.5	5893.0	5841.5	5859.6
32.5°	5948.4	5996.0	6136.3	6393.8	6638.3	6794.1	6756.8	6444.0	6114.4	6002.4	6019.2
35°	6451.7	6480.0	6628.0	6881.6	7079.9	7186.7	7108.2	6783.8	6395.1	6259.9	6259.9
37.5°	6961.4	6983.3	7149.4	7395.2	7587.0	7643.7	7490.5	7155.8	6761.9	6570.1	6574.0
40°	7450.6	7509.8	7696.5	7948.8	8138.0	8153.4	7950.1	7580.6	7170.0	6971.7	6994.9
42.5°	7961.6	8019.6	8242.3	8528.0	8695.4	8721.1	8483.0	8056.9	7630.8	7469.9	7495.7
45°	8417.3	8463.7	8721.1	9053.2	9261.8	9328.7	9046.8	8602.7	8129.0	7971.9	7978.4
47.5°	8735.3	8795.8	9079.0	9470.3	9774.1	9877.1	9600.3	9134.3	8619.4	8428.9	8445.6
50°	9023.6	9055.8	9342.9	9770.2	10156.4	10368.8	10131.9	9659.5	9115.0	8912.9	8930.9
52.5°	9184.5	9225.7	9503.8	9949.2	10406.1	10748.5	10604.4	10131.9	9593.9	9396.9	9418.8
55°	9072.5	9103.4	9436.8	9989.1	10560.6	10982.8	11004.7	10594.1	10063.7	9891.2	9953.0
57.5°	8562.8	8601.4	9008.2	9731.6	10579.9	11141.1	11305.9	11022.7	10502.7	10362.4	10398.4
60°	7766.0	7790.4	8224.2	9037.8	10204.0	11206.8	11497.7	11372.8	10932.6	10792.3	10841.2
62.5°	6346.1	6382.2	6900.9	7991.2	9409.8	11012.4	11683.1	11662.5	11332.9	11204.2	11248.0
65°	4338.0	4401.1	4975.2	6353.9	8185.6	10417.7	11851.7	11999.7	11686.9	11524.7	11582.7
67.5°	2619.6	2665.9	3081.7	4195.1	6263.8	9218.0	11677.9	12383.3	11936.7	11675.4	11723.0
68°	2341.5	2384.0	2731.5	3785.8	5793.9	8879.4	11519.6	12427.1	11963.7	11672.8	11715.3
70°	1414.7	1443.0	1676.0	2340.2	3863.0	7043.8	10439.6	12391.1	12136.2	11708.8	11733.3
72.5°	921.7	930.7	969.3	1201.0	1973.4	3939.0	7835.5	11546.6	12394.9	11918.6	11914.8
75°	765.9	760.8	764.6	791.7	973.2	1727.5	4578.7	9121.4	11815.7	11587.8	11506.7
77.5°	647.5	643.6	642.3	643.6	651.3	834.1	1987.5	5681.9	9041.6	10250.4	10322.5
80°	523.9	518.8	535.5	527.8	504.6	518.8	832.9	2363.4	4262.1	4585.2	4296.8
82.5°	381.0	361.7	433.8	413.2	393.9	365.6	459.5	763.3	1016.9	697.7	490.4
85°	293.5	272.9	329.5	316.7	270.3	186.7	272.9	373.3	411.9	235.6	185.4
87.5°	119.7	126.2	238.1	187.9	158.3	90.1	112.0	149.3	200.8	100.4	77.2
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)