

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: P317063

Luminaire Tested: **GAN-SA9D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317063
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-SA9D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59298 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

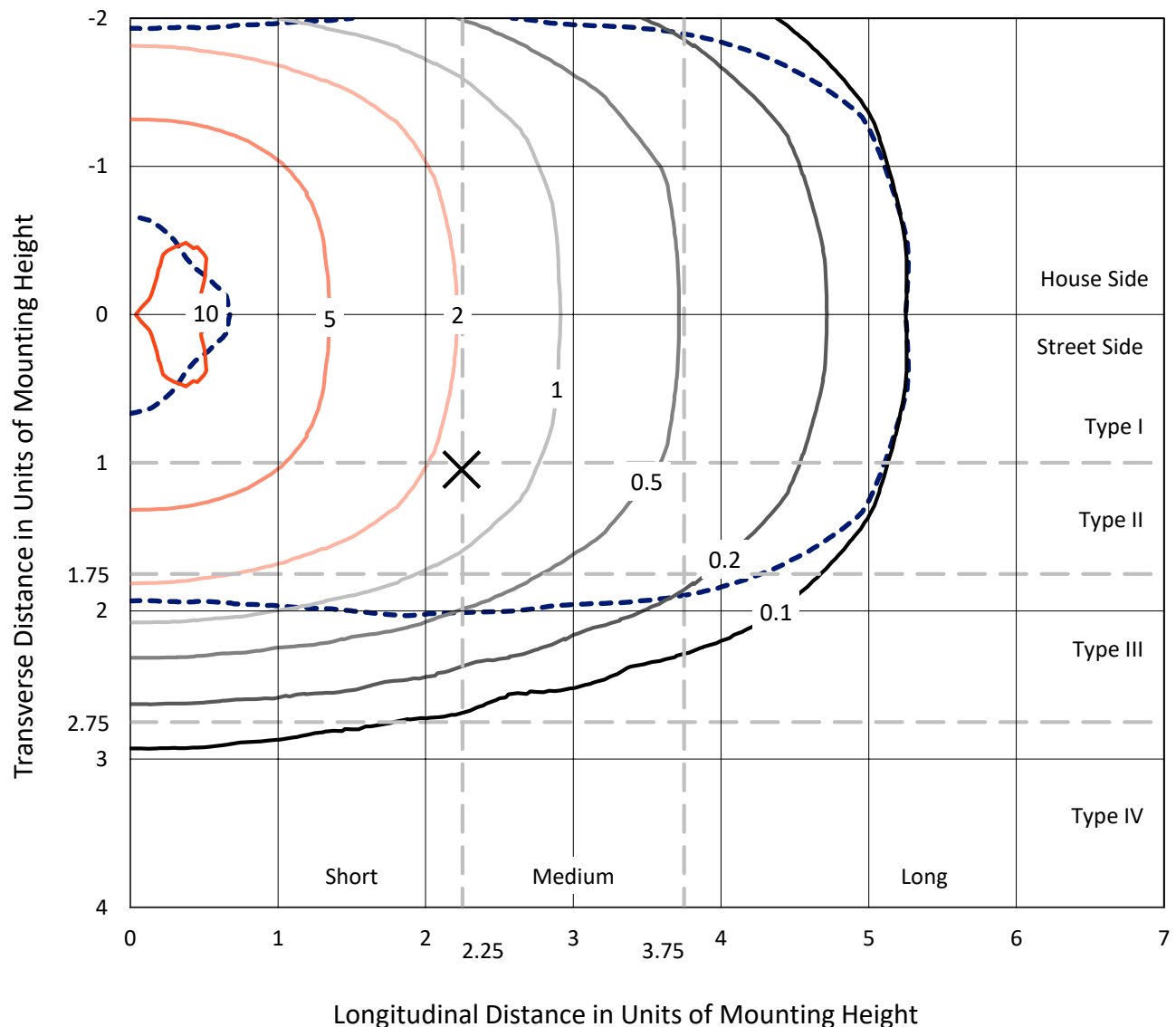
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

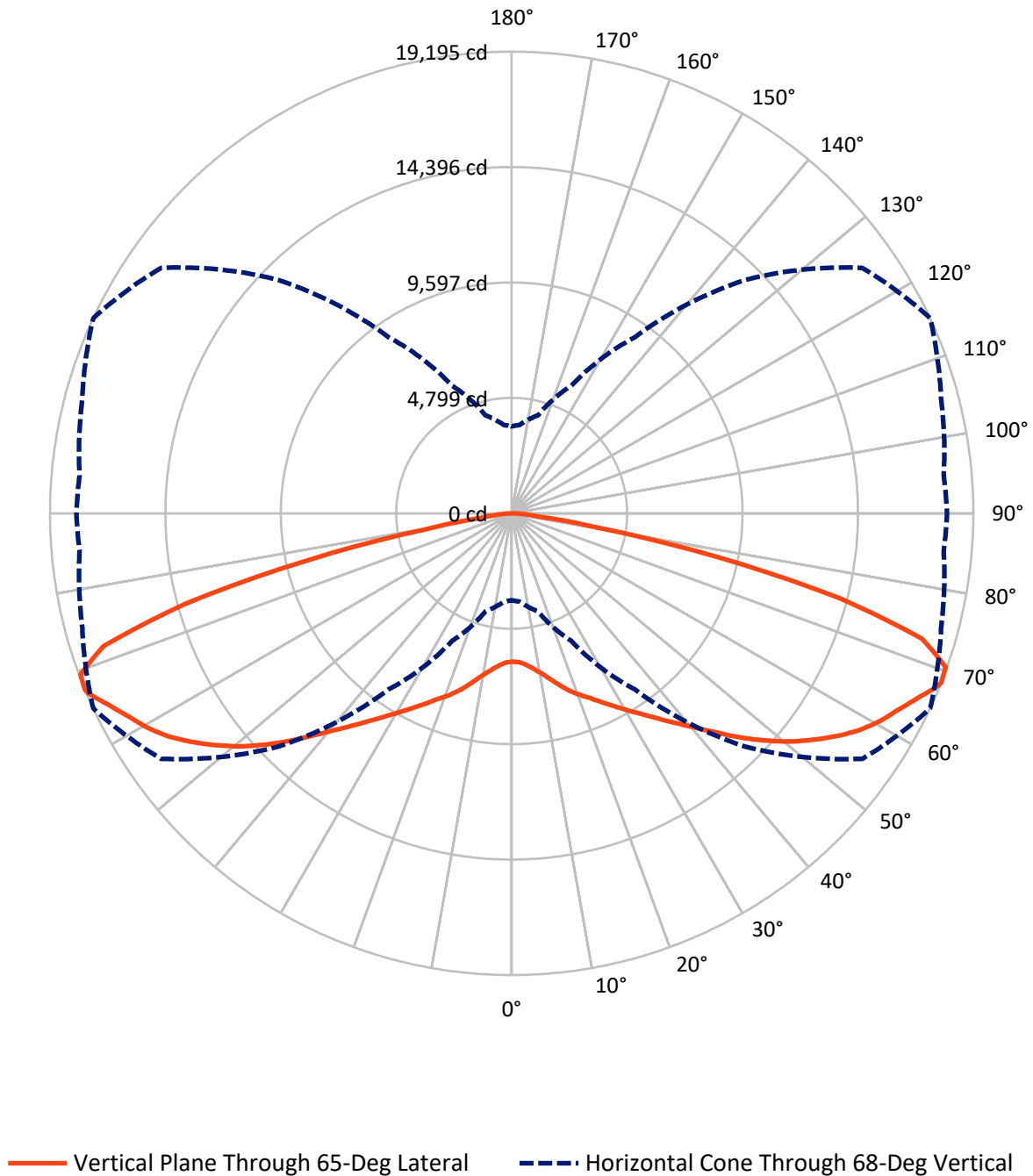
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	29649.0	0.0	29649.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29649.0	0.0	29649.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59298.0	0.0	59298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	1.0
10°-20°	2021.3	3.4
20°-30°	3941.0	6.6
30°-40°	6620.6	11.2
40°-50°	10431.7	17.6
50°-60°	13950.6	23.5
60°-70°	13561.7	22.9
70°-80°	7413.5	12.5
80°-90°	754.0	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°	59298.0	100.0
0°-180°	59298.0	100.0

Coefficient of Utilization



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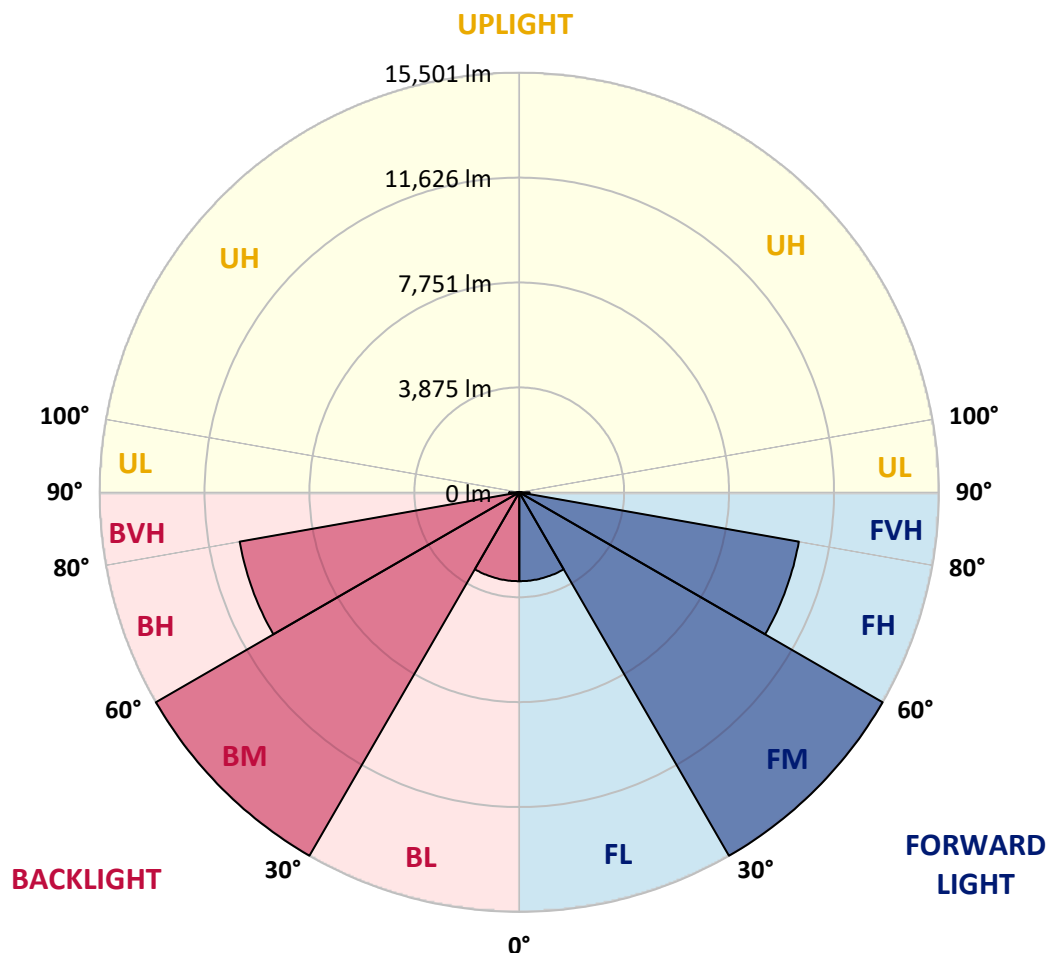
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3283.0	5.5			
FM	(30°-60°)	15501.4	26.1			
FH	(60°-80°)	10487.6	17.7			G4/12000
FVH	(80°-90°)	377.0	0.6			G3/500
BL	(0°-30°)	3283.0	5.5	B4/5000		
BM	(30°-60°)	15501.4	26.1	B5		
BH	(60°-80°)	10487.6	17.7	B5		G5
BVH	(80°-90°)	377.0	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°	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6	6165.6
2.5°	6121.9	6123.8	6133.8	6145.7	6155.7	6181.5	6187.5	6197.4	6201.4	6211.3	6211.3
5°	6068.2	6072.1	6096.0	6127.8	6163.6	6227.2	6273.0	6324.7	6350.5	6378.3	6376.4
7.5°	6062.2	6072.1	6105.9	6157.6	6217.3	6322.7	6418.1	6521.5	6591.1	6654.7	6650.7
10°	6123.8	6139.7	6187.5	6265.0	6354.5	6485.7	6626.9	6766.1	6887.3	6984.8	6988.7
12.5°	6217.3	6237.2	6312.7	6430.0	6565.2	6734.2	6901.3	7058.3	7225.3	7370.5	7382.4
15°	6340.6	6366.4	6479.7	6654.7	6861.5	7062.3	7241.2	7402.3	7595.2	7796.0	7815.9
17.5°	6523.5	6559.3	6708.4	6945.0	7217.4	7438.1	7625.0	7746.3	7907.3	8114.1	8151.9
20°	6801.8	6847.6	7036.5	7318.8	7650.8	7881.5	8024.6	8050.5	8130.0	8314.9	8358.6
22.5°	7163.7	7203.5	7414.2	7750.2	8122.0	8372.6	8448.1	8344.7	8336.8	8485.9	8527.7
25°	7567.3	7603.1	7847.7	8225.4	8625.1	8901.4	8899.5	8698.6	8559.5	8674.8	8718.5
27.5°	8020.6	8076.3	8310.9	8708.6	9136.1	9408.5	9392.5	9082.4	8817.9	8847.8	8885.5
30°	8541.6	8603.2	8831.9	9235.5	9662.9	9929.4	9909.5	9499.9	9102.3	9022.7	9050.6
32.5°	9187.8	9261.3	9478.0	9875.7	10253.5	10494.0	10436.4	9953.2	9444.2	9271.3	9297.1
35°	9965.2	10008.9	10237.6	10629.2	10935.4	11100.5	10979.2	10478.1	9877.7	9668.9	9668.9
37.5°	10752.5	10786.3	11042.8	11422.6	11718.8	11806.3	11569.7	11052.7	10444.3	10148.1	10154.0
40°	11508.1	11599.5	11887.8	12277.5	12569.8	12593.6	12279.5	11708.9	11074.6	10768.4	10804.2
42.5°	12297.4	12386.9	12730.8	13172.2	13430.7	13470.5	13102.6	12444.5	11786.4	11537.9	11577.6
45°	13001.2	13072.8	13470.5	13983.4	14305.5	14408.9	13973.5	13287.5	12555.9	12313.3	12323.2
47.5°	13492.3	13585.8	14023.2	14627.6	15096.9	15255.9	14828.4	14108.7	13313.4	13019.1	13045.0
50°	13937.7	13987.4	14430.8	15090.9	15687.4	16015.4	15649.6	14919.9	14078.9	13766.7	13794.6
52.5°	14186.2	14249.9	14679.3	15367.3	16073.1	16602.0	16379.3	15649.6	14818.5	14514.3	14548.1
55°	14013.3	14061.0	14575.9	15428.9	16311.7	16963.8	16997.6	16363.4	15544.2	15277.8	15373.2
57.5°	13225.9	13285.6	13913.8	15031.3	16341.5	17208.4	17462.9	17025.5	16222.2	16005.5	16061.2
60°	11995.2	12033.0	12703.0	13959.6	15760.9	17309.8	17759.1	17566.3	16886.3	16669.6	16745.1
62.5°	9802.1	9857.8	10659.1	12343.1	14534.2	17009.6	18045.5	18013.6	17504.6	17305.8	17373.4
65°	6700.4	6797.9	7684.6	9814.1	12643.4	16091.0	18305.9	18534.6	18051.4	17800.9	17890.4
67.5°	4046.1	4117.7	4759.9	6479.7	9674.9	14237.9	18037.5	19127.1	18437.1	18033.5	18107.1
68°	3616.6	3682.3	4219.1	5847.5	8949.2	13715.0	17792.9	19194.7	18478.9	18029.5	18095.2
70°	2185.1	2228.8	2588.7	3614.7	5966.8	10879.8	16124.8	19139.0	18745.3	18085.2	18123.0
72.5°	1423.6	1437.5	1497.2	1855.0	3048.0	6084.1	12102.5	17834.7	19145.0	18409.3	18403.3
75°	1183.0	1175.1	1181.0	1222.8	1503.1	2668.2	7072.2	14088.8	18250.2	17898.3	17773.1
77.5°	1000.1	994.1	992.1	994.1	1006.1	1288.4	3069.9	8776.2	13965.5	15832.5	15943.9
80°	809.2	801.3	827.1	815.2	779.4	801.3	1286.4	3650.4	6583.1	7082.2	6636.8
82.5°	588.5	558.7	670.0	638.2	608.4	564.7	709.8	1179.0	1570.7	1077.6	757.5
85°	453.3	421.5	509.0	489.1	417.5	288.3	421.5	576.6	636.2	363.9	286.3
87.5°	184.9	194.8	367.8	290.3	244.6	139.2	173.0	230.6	310.2	155.1	119.3
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)