

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: P316413

Luminaire Tested: **GAN-SA9C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55551 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

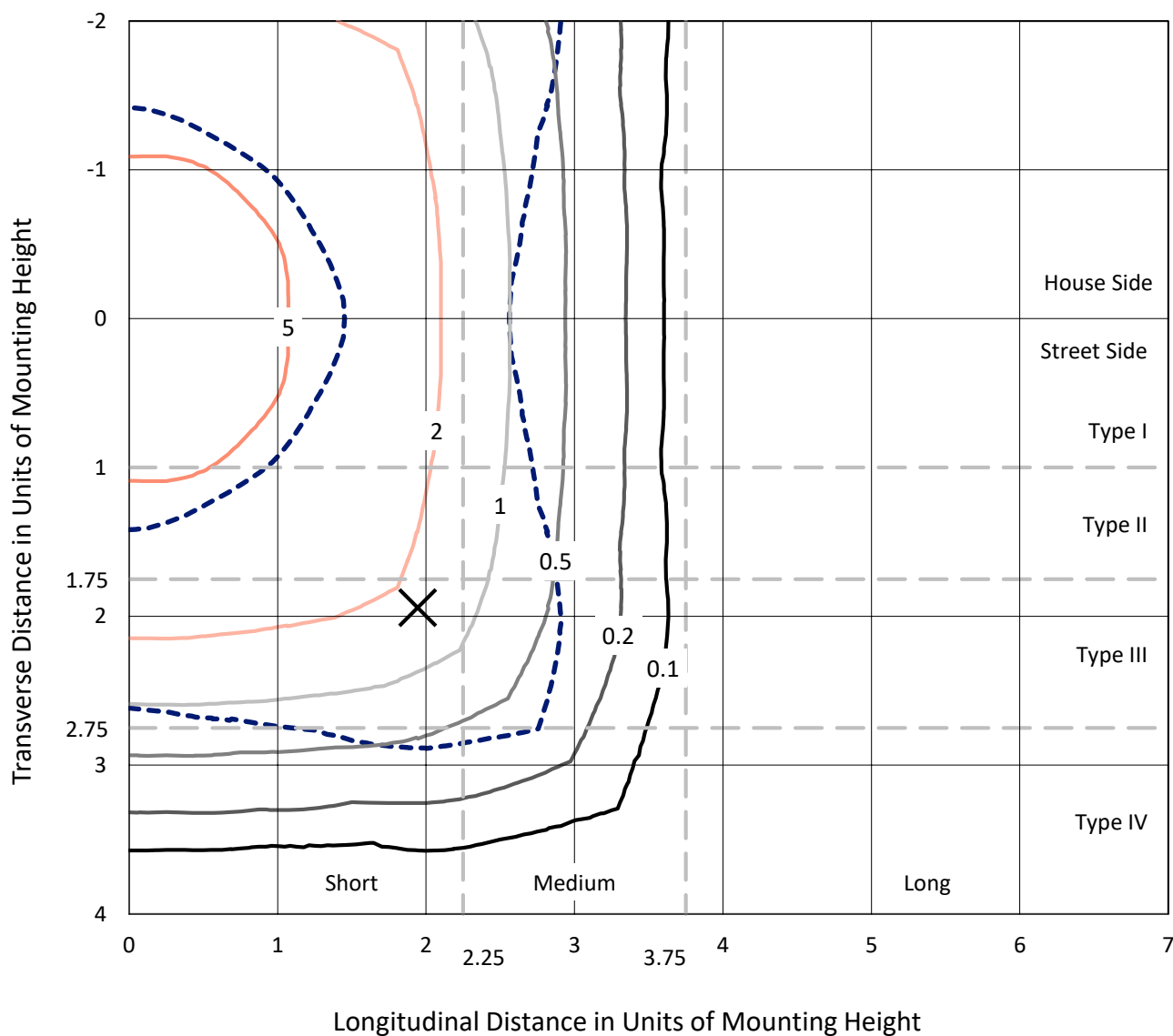
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

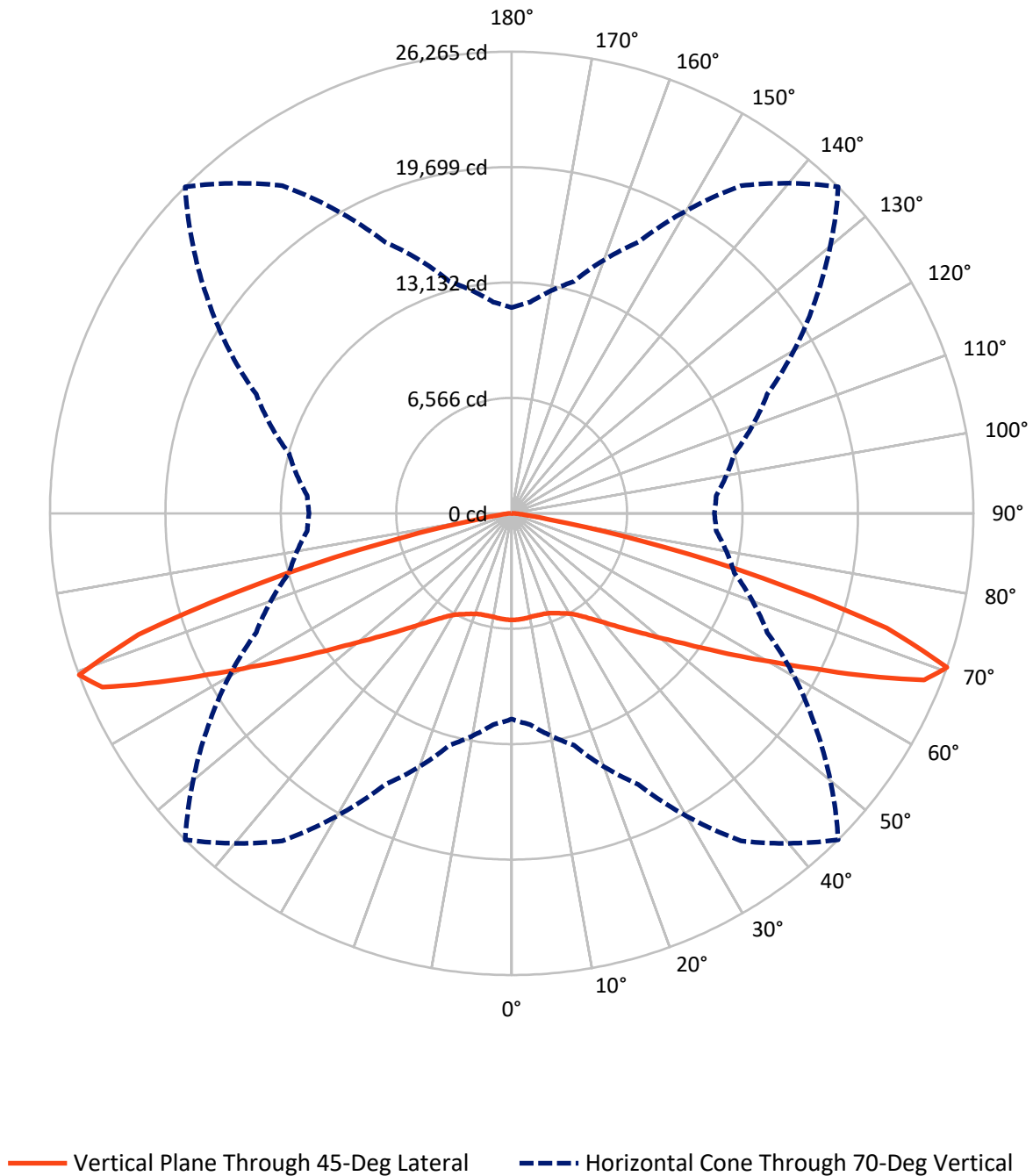
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	27775.5	0.0	27775.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27775.5	0.0	27775.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55551.0	0.0	55551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.6	1.0
10°-20°	1686.9	3.0
20°-30°	2871.7	5.2
30°-40°	4554.4	8.2
40°-50°	7411.5	13.3
50°-60°	12220.2	22.0
60°-70°	17939.6	32.3
70°-80°	7932.9	14.3
80°-90°	359.2	0.6
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°	55551.0	100.0
0°-180°	55551.0	100.0

Coefficient of Utilization



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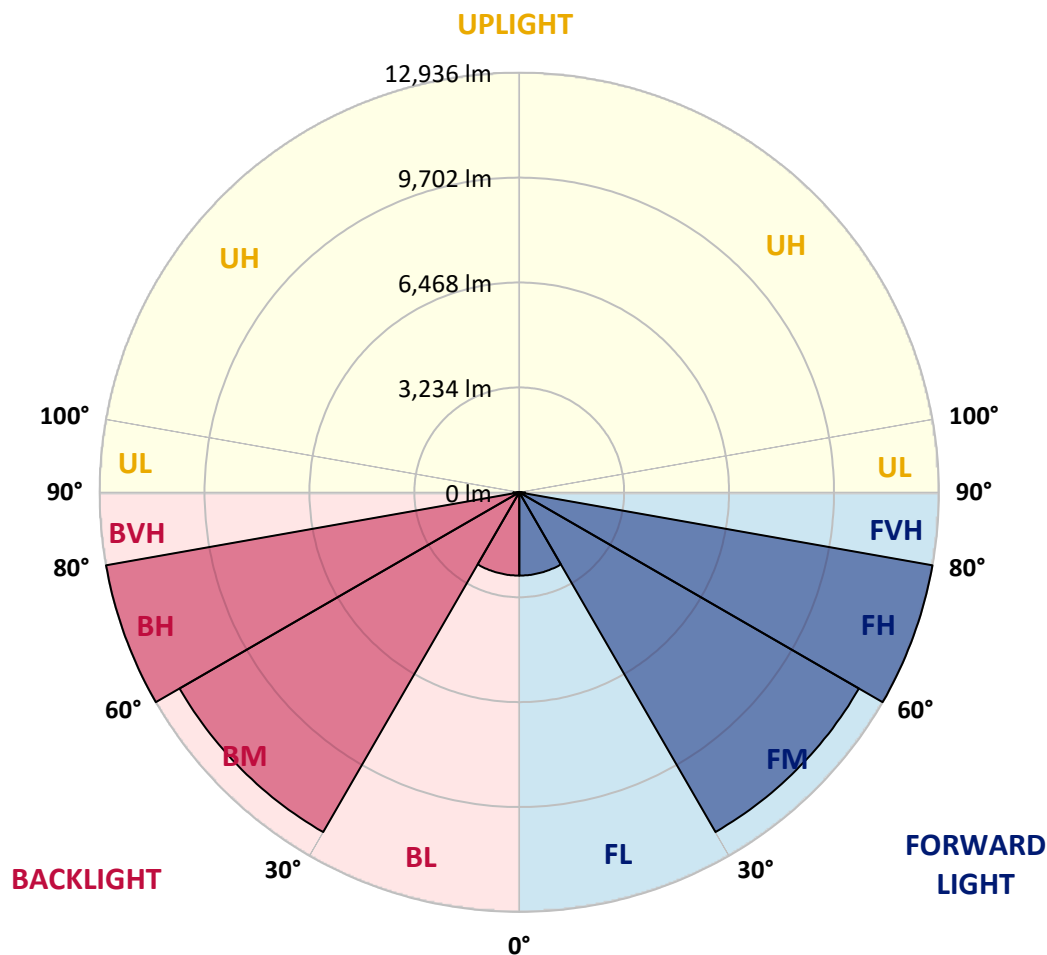
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2566.6	4.6			
FM	(30°-60°)	12093.1	21.8			
FH	(60°-80°)	12936.2	23.3			G5
FVH	(80°-90°)	179.6	0.3			G2/225
BL	(0°-30°)	2566.6	4.6	B4/5000		
BM	(30°-60°)	12093.1	21.8	B5		
BH	(60°-80°)	12936.2	23.3	B5		G5
BVH	(80°-90°)	179.6	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0	6067.0
2.5°	6057.8	6052.3	6065.2	6063.4	6052.3	6054.2	6054.2	6059.7	6059.7	6056.0	6056.0
5°	6035.8	6032.1	6046.8	6046.8	6035.8	6039.5	6043.1	6048.6	6046.8	6043.1	6041.3
7.5°	6008.2	6006.4	6021.1	6021.1	6013.7	6017.4	6013.7	6015.6	6011.9	6008.2	6002.7
10°	5962.2	5965.9	5978.8	5982.5	5982.5	5984.3	5980.6	5971.4	5965.9	5960.4	5954.9
12.5°	5920.0	5918.1	5936.5	5945.7	5960.4	5976.9	5965.9	5940.2	5929.1	5918.1	5914.4
15°	5892.4	5894.2	5912.6	5929.1	5954.9	5989.8	5976.9	5936.5	5914.4	5901.6	5897.9
17.5°	5886.9	5890.5	5914.4	5943.9	5971.4	6010.0	6002.7	5962.2	5925.5	5901.6	5896.1
20°	5899.7	5901.6	5938.3	5980.6	6028.4	6065.2	6048.6	6004.5	5954.9	5918.1	5908.9
22.5°	5923.6	5931.0	5976.9	6043.1	6116.7	6166.3	6146.1	6070.7	5993.5	5947.5	5934.7
25°	5999.0	6000.8	6063.4	6153.4	6241.7	6298.7	6274.8	6168.2	6068.9	6017.4	6000.8
27.5°	6155.3	6160.8	6223.3	6328.1	6403.5	6440.2	6425.5	6339.1	6254.6	6199.4	6204.9
30°	6381.4	6388.8	6458.6	6574.5	6620.4	6629.6	6625.9	6585.5	6508.3	6434.7	6440.2
32.5°	6657.2	6660.9	6754.6	6859.4	6896.2	6903.5	6896.2	6859.4	6767.5	6668.2	6673.7
35°	7012.0	7023.1	7113.1	7214.3	7243.7	7258.4	7245.5	7197.7	7102.1	7004.7	7001.0
37.5°	7449.6	7451.4	7545.2	7650.0	7686.7	7690.4	7675.7	7644.5	7525.0	7436.7	7431.2
40°	7957.0	7964.4	8074.7	8186.8	8201.5	8185.0	8205.2	8186.8	8063.6	7962.5	7979.1
42.5°	8574.7	8591.3	8723.7	8834.0	8791.7	8782.5	8795.4	8800.9	8701.6	8578.4	8567.4
45°	9293.6	9308.3	9473.8	9562.0	9534.4	9473.8	9499.5	9543.6	9405.7	9253.1	9267.9
47.5°	10113.6	10150.3	10326.8	10409.6	10341.5	10258.8	10308.4	10374.6	10212.8	10023.5	10014.3
50°	11025.5	11071.4	11306.7	11422.6	11354.5	11202.0	11284.7	11328.8	11095.3	10850.8	10830.6
52.5°	11998.0	12044.0	12340.0	12579.0	12534.9	12297.7	12413.5	12367.6	12099.1	11770.0	11744.3
55°	13099.3	13117.7	13437.6	13823.6	13867.8	13693.1	13685.8	13610.4	13213.3	12832.7	12814.3
57.5°	14231.8	14244.7	14658.3	15114.3	15322.0	15322.0	15116.1	14956.2	14428.5	13987.3	13941.3
60°	15454.4	15500.4	15958.1	16577.7	17063.1	17206.5	16842.5	16406.7	15833.1	15294.4	15241.1
62.5°	16542.8	16596.1	17296.6	18219.5	18999.0	19521.1	18631.3	17921.6	16877.4	16013.3	15912.2
65°	16680.7	16824.1	17844.4	19515.6	21260.4	22302.8	20596.7	18848.3	16945.4	15744.9	15641.9
67.5°	15233.8	15476.5	16855.3	19456.8	23062.1	25299.5	21852.4	18318.8	15724.6	14397.3	14283.3
70°	11705.7	12058.7	13649.0	17018.9	22751.4	26264.7	21065.5	16037.2	13110.3	11681.8	11521.8
72.5°	6421.9	6567.1	7997.5	11654.2	18239.7	22319.3	17570.5	11858.3	8694.2	7074.5	6806.1
75°	2037.1	2088.5	2816.6	4769.1	10317.6	14783.3	11161.5	5820.7	3204.5	2362.5	2334.9
77.5°	904.5	910.1	1018.5	1391.7	3553.8	7490.0	4269.0	1584.8	1092.1	954.2	985.4
80°	571.8	571.8	630.6	689.4	967.0	2174.9	1154.6	753.8	643.5	597.5	610.4
82.5°	273.9	303.4	410.0	441.2	531.3	731.7	592.0	492.7	430.2	319.9	297.8
85°	180.2	150.8	259.2	292.3	308.9	351.2	343.8	325.4	281.3	159.9	178.3
87.5°	80.9	77.2	134.2	123.2	115.8	88.2	132.4	163.6	158.1	79.1	79.1
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)