

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: P316654

Luminaire Tested: **GAN-SA0C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316654
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-SA0C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 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: 58442 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

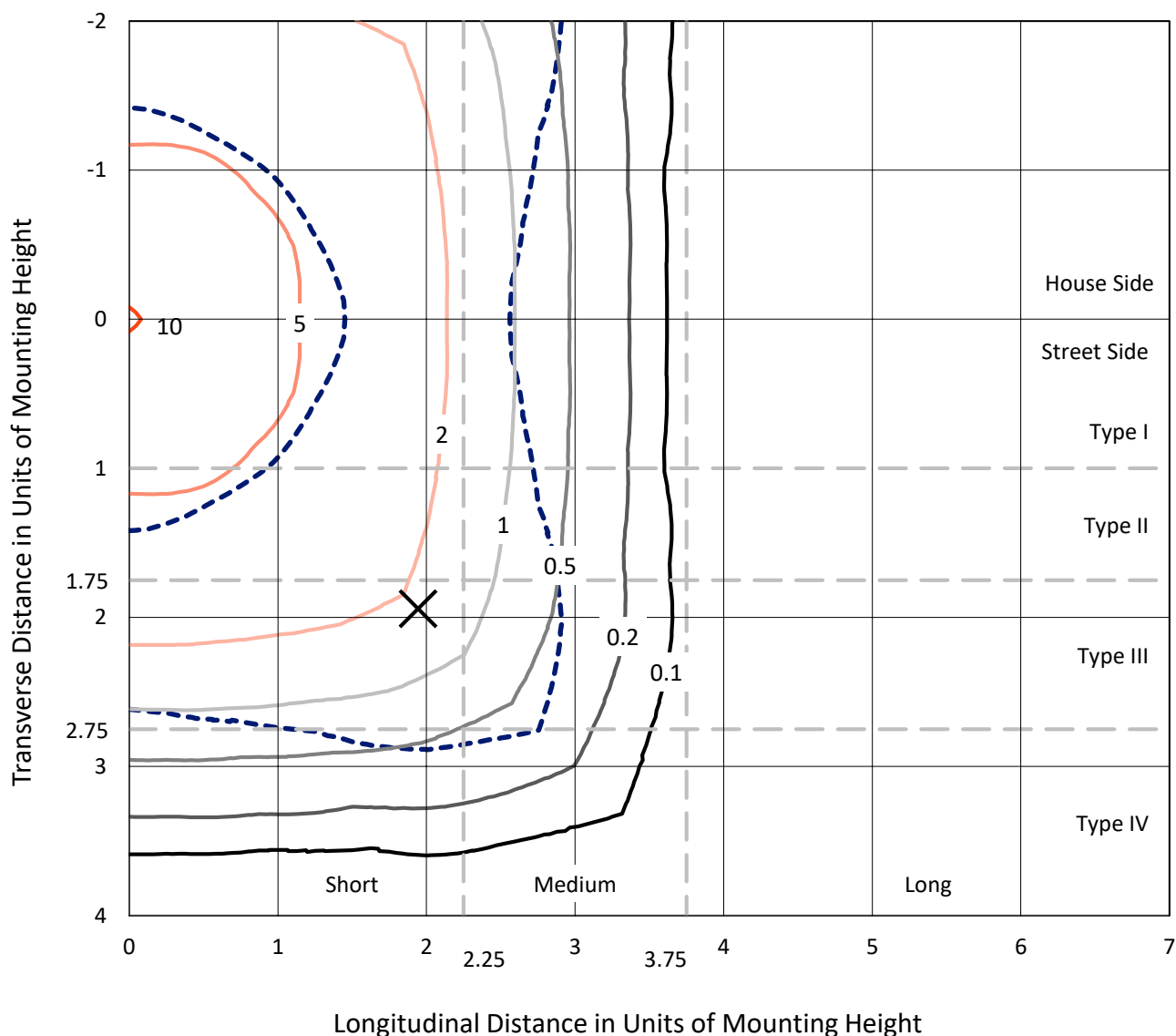
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

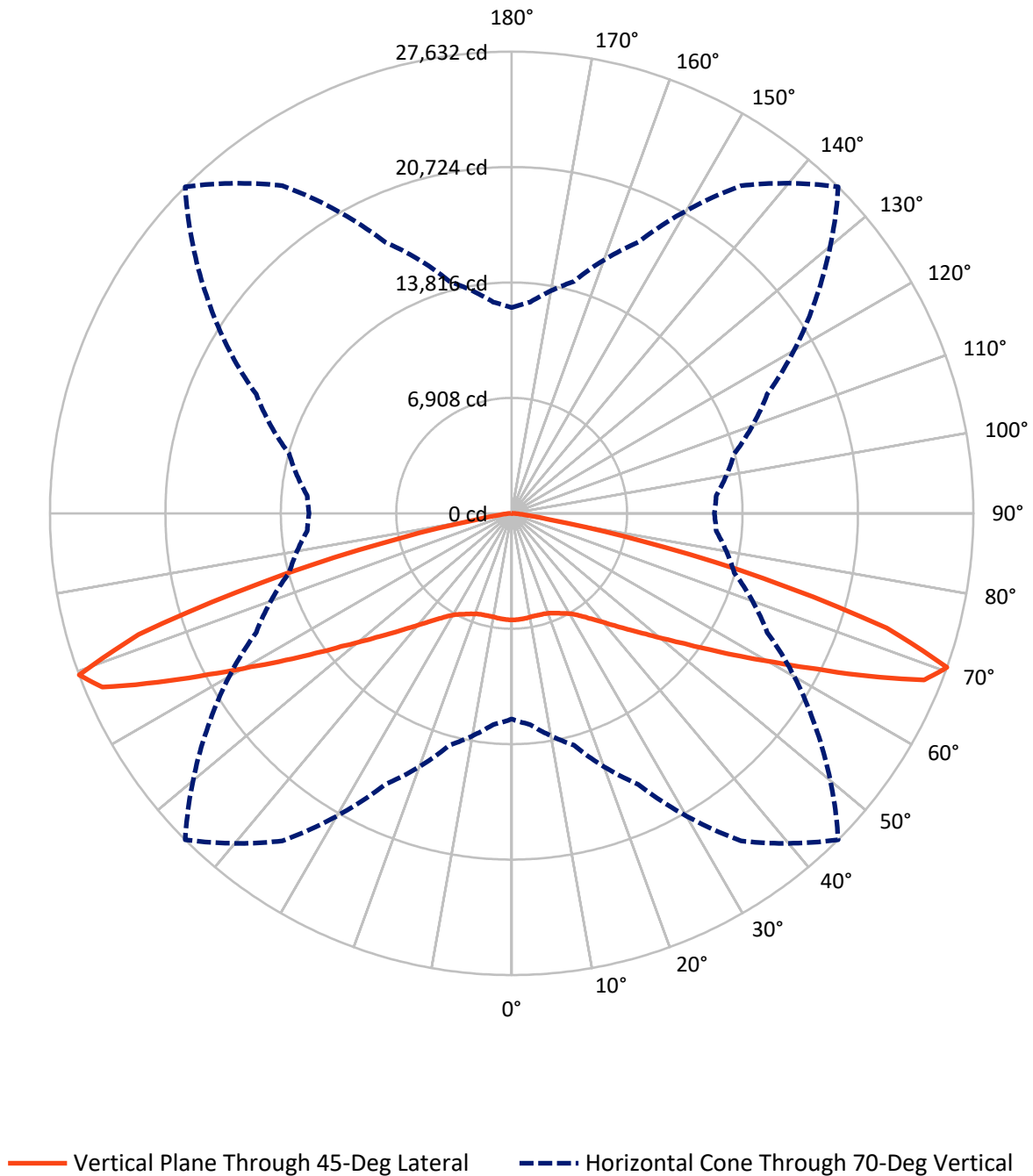
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	29221.0	0.0	29221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29221.0	0.0	29221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58442.0	0.0	58442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.5	1.0
10°-20°	1774.7	3.0
20°-30°	3021.1	5.2
30°-40°	4791.5	8.2
40°-50°	7797.2	13.3
50°-60°	12856.2	22.0
60°-70°	18873.2	32.3
70°-80°	8345.7	14.3
80°-90°	377.9	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°	58442.0	100.0
0°-180°	58442.0	100.0

Coefficient of Utilization



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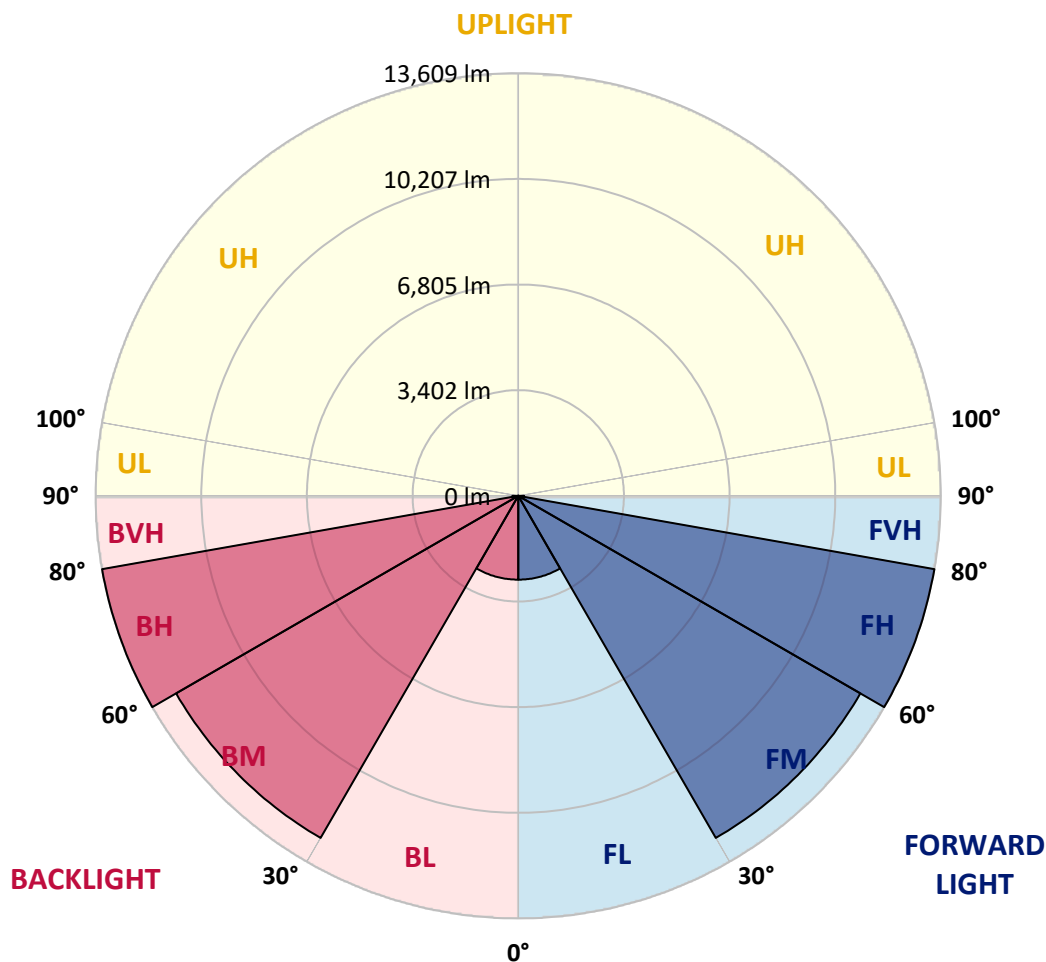
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2700.2	4.6			
FM	(30°-60°)	12722.4	21.8			
FH	(60°-80°)	13609.5	23.3			G5
FVH	(80°-90°)	189.0	0.3			G2/225
BL	(0°-30°)	2700.2	4.6	B4/5000		
BM	(30°-60°)	12722.4	21.8	B5		
BH	(60°-80°)	13609.5	23.3	B5		G5
BVH	(80°-90°)	189.0	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°	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8	6382.8
2.5°	6373.1	6367.3	6380.8	6378.9	6367.3	6369.2	6369.2	6375.0	6375.0	6371.2	6371.2
5°	6349.9	6346.0	6361.5	6361.5	6349.9	6353.8	6357.6	6363.4	6361.5	6357.6	6355.7
7.5°	6320.9	6318.9	6334.4	6334.4	6326.7	6330.6	6326.7	6328.6	6324.8	6320.9	6315.1
10°	6272.5	6276.4	6289.9	6293.8	6293.8	6295.7	6291.9	6282.2	6276.4	6270.6	6264.8
12.5°	6228.0	6226.1	6245.4	6255.1	6270.6	6288.0	6276.4	6249.3	6237.7	6226.1	6222.2
15°	6199.0	6201.0	6220.3	6237.7	6264.8	6301.5	6288.0	6245.4	6222.2	6208.7	6204.8
17.5°	6193.2	6197.1	6222.2	6253.2	6282.2	6322.8	6315.1	6272.5	6233.8	6208.7	6202.9
20°	6206.8	6208.7	6247.4	6291.9	6342.2	6380.8	6363.4	6317.0	6264.8	6226.1	6216.4
22.5°	6231.9	6239.6	6288.0	6357.6	6435.0	6487.2	6465.9	6386.6	6305.4	6257.1	6243.5
25°	6311.2	6313.1	6378.9	6473.7	6566.5	6626.5	6601.3	6489.2	6384.7	6330.6	6313.1
27.5°	6475.6	6481.4	6547.2	6657.4	6736.7	6775.4	6759.9	6669.0	6580.1	6522.0	6527.8
30°	6713.5	6721.3	6794.8	6916.6	6965.0	6974.6	6970.8	6928.2	6847.0	6769.6	6775.4
32.5°	7003.6	7007.5	7106.2	7216.4	7255.1	7262.8	7255.1	7216.4	7119.7	7015.3	7021.1
35°	7376.9	7388.5	7483.3	7589.7	7620.6	7636.1	7622.6	7572.3	7471.7	7369.2	7365.3
37.5°	7837.3	7839.2	7937.9	8048.1	8086.8	8090.7	8075.2	8042.3	7916.6	7823.7	7817.9
40°	8371.1	8378.8	8494.9	8612.9	8628.4	8610.9	8632.2	8612.9	8483.3	8376.9	8394.3
42.5°	9021.0	9038.4	9177.7	9293.7	9249.2	9239.6	9253.1	9258.9	9154.4	9024.9	9013.3
45°	9777.3	9792.7	9966.8	10059.6	10030.6	9966.8	9993.9	10040.3	9895.2	9734.7	9750.2
47.5°	10639.9	10678.6	10864.3	10951.3	10879.7	10792.7	10844.9	10914.5	10744.3	10545.1	10535.4
50°	11599.2	11647.6	11895.2	12017.0	11945.5	11784.9	11872.0	11918.4	11672.7	11415.5	11394.2
52.5°	12622.4	12670.8	12982.2	13233.6	13187.2	12937.7	13059.5	13011.2	12728.8	12382.6	12355.5
55°	13781.0	13800.3	14136.9	14543.1	14589.5	14405.7	14398.0	14318.7	13900.9	13500.5	13481.2
57.5°	14972.4	14986.0	15421.2	15900.8	16119.4	16119.4	15902.8	15734.5	15179.4	14715.2	14666.8
60°	16258.7	16307.0	16788.6	17440.5	17951.1	18101.9	17719.0	17260.6	16657.1	16090.4	16034.3
62.5°	17403.7	17459.8	18196.7	19167.7	19987.8	20537.1	19600.9	18854.3	17755.7	16846.7	16740.3
65°	17548.8	17699.6	18773.1	20531.3	22366.8	23463.5	21668.6	19829.2	17827.3	16564.3	16456.0
67.5°	16026.6	16281.9	17732.5	20469.4	24262.3	26616.2	22989.6	19272.1	16543.0	15146.5	15026.6
70°	12314.9	12686.3	14359.3	17904.7	23935.4	27631.6	22161.8	16871.8	13792.6	12289.7	12121.5
72.5°	6756.1	6908.9	8413.7	12260.7	19188.9	23480.9	18484.9	12475.4	9146.7	7442.7	7160.3
75°	2143.1	2197.2	2963.2	5017.2	10854.6	15552.7	11742.4	6123.6	3371.3	2485.4	2456.4
77.5°	951.6	957.4	1071.5	1464.2	3738.8	7879.8	4491.2	1667.3	1148.9	1003.8	1036.7
80°	601.5	601.5	663.4	725.3	1017.4	2288.1	1214.7	793.0	677.0	628.6	642.1
82.5°	288.2	319.1	431.3	464.2	559.0	769.8	622.8	518.4	452.6	336.5	313.3
85°	189.5	158.6	272.7	307.5	324.9	369.4	361.7	342.3	295.9	168.3	187.6
87.5°	85.1	81.2	141.2	129.6	121.9	92.8	139.3	172.1	166.3	83.2	83.2
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)