

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: P316660

Luminaire Tested: **GAN-SA6D-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316660
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-SA6D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38740 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

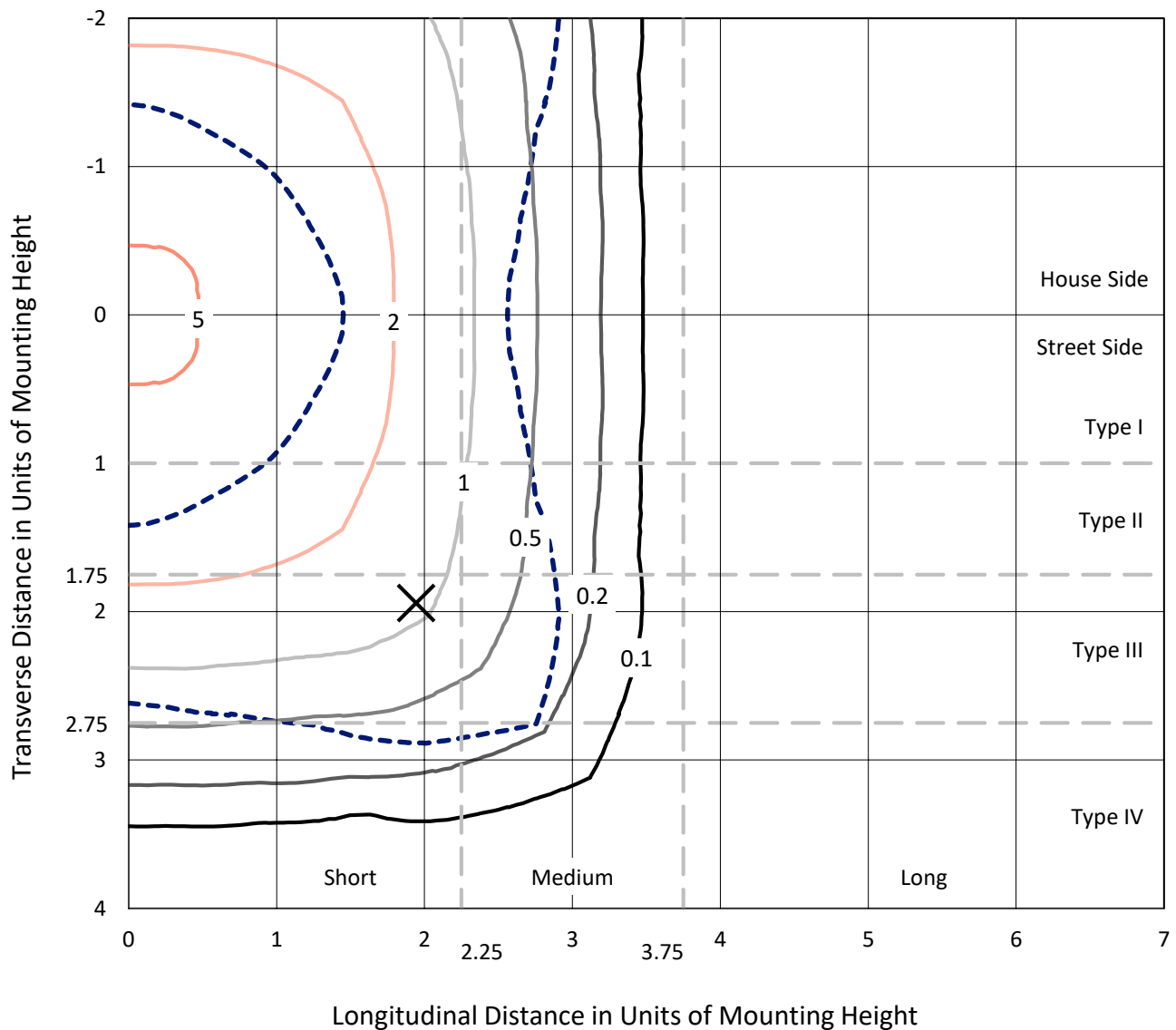
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

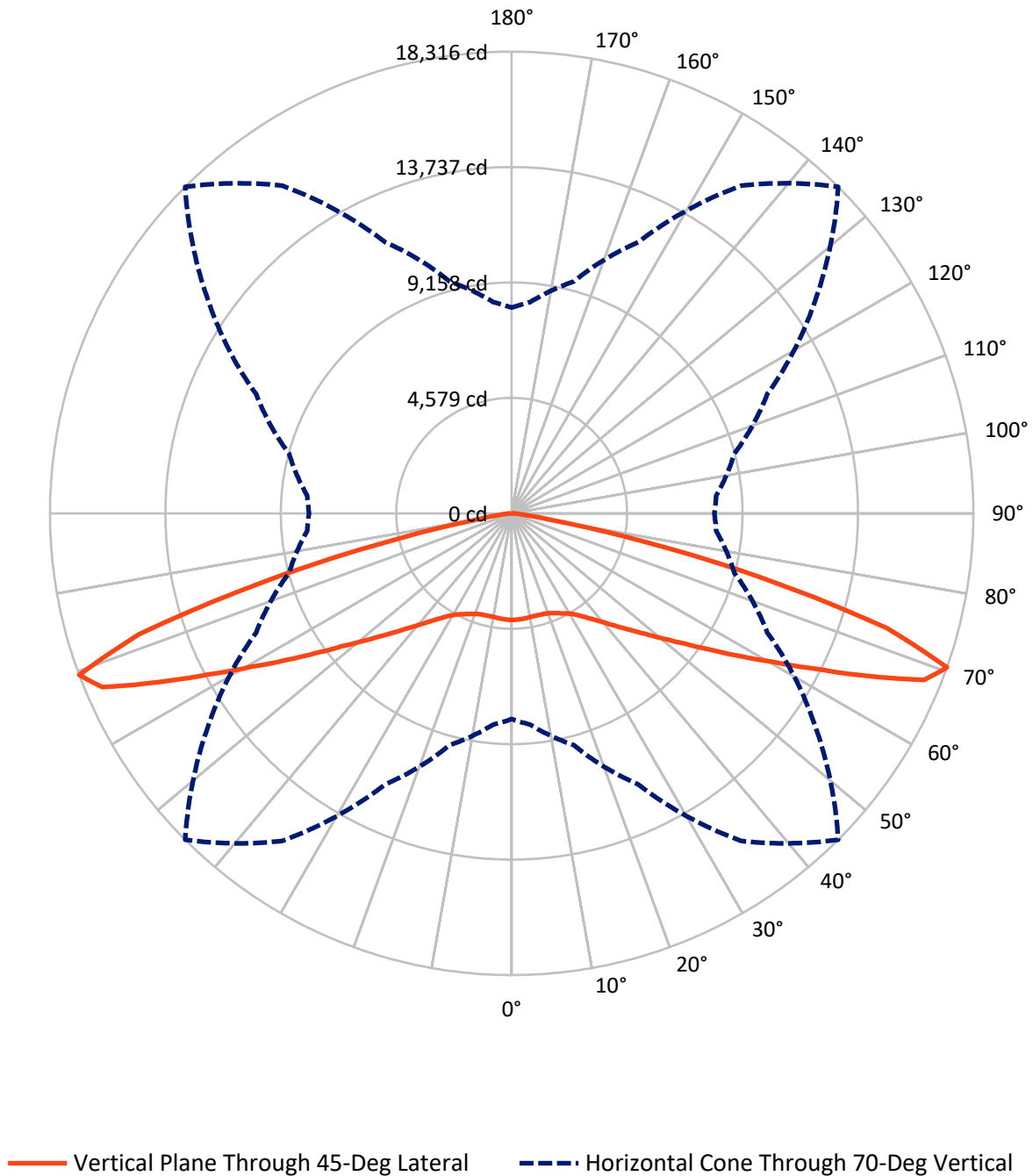
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	19370.0	0.0	19370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19370.0	0.0	19370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38740.0	0.0	38740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.7	1.0
10°-20°	1176.4	3.0
20°-30°	2002.6	5.2
30°-40°	3176.2	8.2
40°-50°	5168.6	13.3
50°-60°	8522.1	22.0
60°-70°	12510.7	32.3
70°-80°	5532.2	14.3
80°-90°	250.5	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°	38740.0	100.0
0°-180°	38740.0	100.0

Coefficient of Utilization



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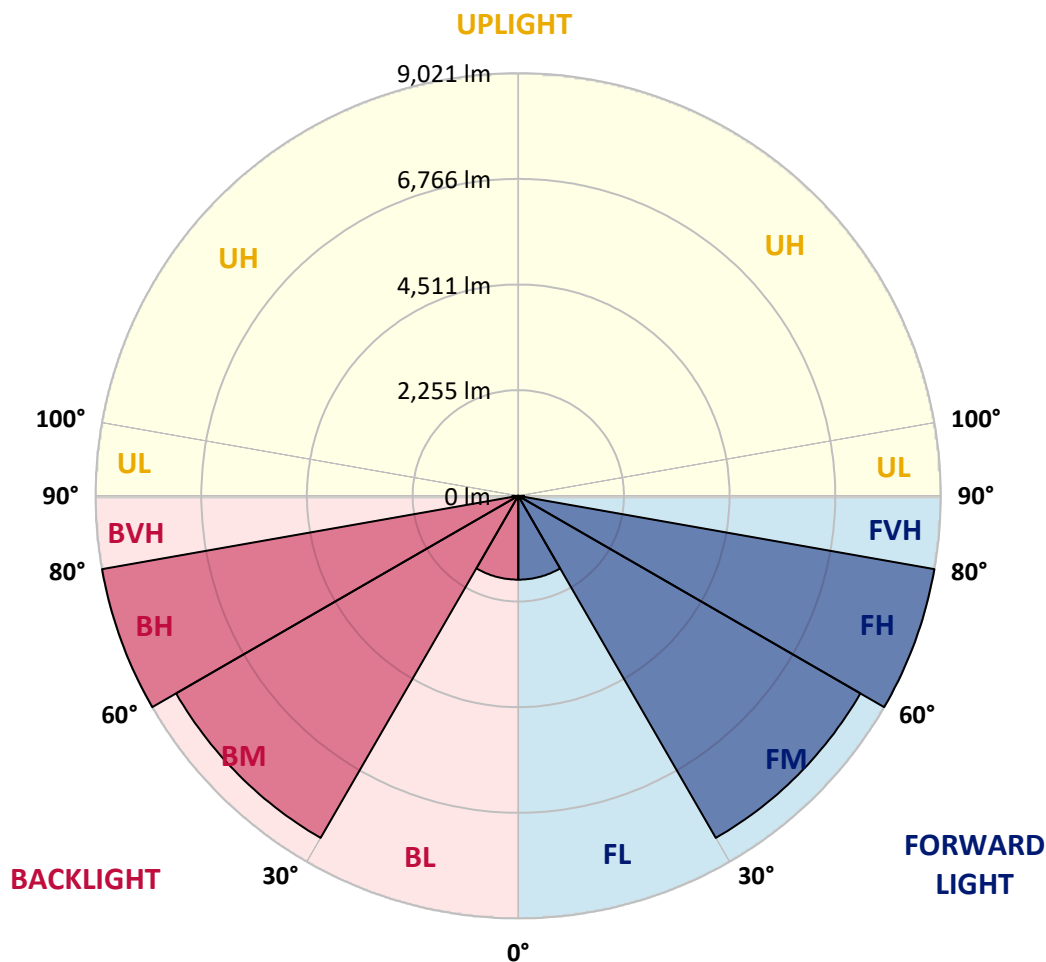
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1789.9	4.6			
FM	(30°-60°)	8433.4	21.8			
FH	(60°-80°)	9021.4	23.3			G4/12000
FVH	(80°-90°)	125.3	0.3			G2/225
BL	(0°-30°)	1789.9	4.6	B3/2500		
BM	(30°-60°)	8433.4	21.8	B4/8500		
BH	(60°-80°)	9021.4	23.3	B5		G4/12000
BVH	(80°-90°)	125.3	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0	4231.0
2.5°	4224.6	4220.8	4229.7	4228.4	4220.8	4222.0	4222.0	4225.9	4225.9	4223.3	4223.3
5°	4209.2	4206.7	4216.9	4216.9	4209.2	4211.8	4214.3	4218.2	4216.9	4214.3	4213.1
7.5°	4190.0	4188.7	4199.0	4199.0	4193.8	4196.4	4193.8	4195.1	4192.5	4190.0	4186.1
10°	4157.9	4160.5	4169.5	4172.0	4172.0	4173.3	4170.8	4164.3	4160.5	4156.6	4152.8
12.5°	4128.4	4127.2	4140.0	4146.4	4156.6	4168.2	4160.5	4142.5	4134.9	4127.2	4124.6
15°	4109.2	4110.5	4123.3	4134.9	4152.8	4177.2	4168.2	4140.0	4124.6	4115.6	4113.1
17.5°	4105.4	4107.9	4124.6	4145.1	4164.3	4191.3	4186.1	4157.9	4132.3	4115.6	4111.8
20°	4114.3	4115.6	4141.3	4170.8	4204.1	4229.7	4218.2	4187.4	4152.8	4127.2	4120.7
22.5°	4131.0	4136.1	4168.2	4214.3	4265.6	4300.2	4286.1	4233.6	4179.7	4147.7	4138.7
25°	4183.6	4184.9	4228.4	4291.3	4352.8	4392.6	4375.9	4301.5	4232.3	4196.4	4184.9
27.5°	4292.6	4296.4	4340.0	4413.1	4465.6	4491.3	4481.0	4420.8	4361.8	4323.3	4327.2
30°	4450.3	4455.4	4504.1	4584.9	4616.9	4623.3	4620.8	4592.6	4538.7	4487.4	4491.3
32.5°	4642.6	4645.1	4710.5	4783.6	4809.2	4814.4	4809.2	4783.6	4719.5	4650.3	4654.1
35°	4890.0	4897.7	4960.5	5031.1	5051.6	5061.8	5052.9	5019.5	4952.8	4884.9	4882.3
37.5°	5195.2	5196.5	5261.8	5334.9	5360.6	5363.1	5352.9	5331.1	5247.7	5186.2	5182.3
40°	5549.0	5554.2	5631.1	5709.3	5719.6	5708.0	5722.1	5709.3	5623.4	5552.9	5564.4
42.5°	5979.8	5991.4	6083.7	6160.6	6131.1	6124.7	6133.7	6137.5	6068.3	5982.4	5974.7
45°	6481.1	6491.4	6606.8	6668.3	6649.1	6606.8	6624.7	6655.5	6559.3	6452.9	6463.2
47.5°	7053.0	7078.6	7201.7	7259.4	7212.0	7154.3	7188.9	7235.0	7122.2	6990.1	6983.7
50°	7688.9	7721.0	7885.1	7965.8	7918.4	7812.0	7869.7	7900.5	7737.6	7567.1	7553.0
52.5°	8367.1	8399.2	8605.6	8772.3	8741.5	8576.1	8656.9	8624.9	8437.7	8208.2	8190.2
55°	9135.1	9148.0	9371.0	9640.3	9671.1	9549.3	9544.1	9491.6	9214.6	8949.2	8936.4
57.5°	9924.9	9933.9	10222.4	10540.3	10685.2	10685.2	10541.6	10430.1	10062.1	9754.4	9722.4
60°	10777.5	10809.6	11128.8	11560.9	11899.4	11999.4	11745.5	11441.7	11041.7	10666.0	10628.8
62.5°	11536.6	11573.7	12062.2	12705.9	13249.5	13613.6	12993.0	12498.1	11769.9	11167.3	11096.8
65°	11632.7	11732.7	12444.3	13609.8	14826.5	15553.5	14363.6	13144.3	11817.3	10980.1	10908.3
67.5°	10623.7	10792.9	11754.5	13568.7	16083.0	17643.3	15239.3	12775.1	10966.0	10040.3	9960.8
70°	8163.3	8409.5	9518.5	11868.6	15866.3	18316.4	14690.6	11184.0	9142.8	8146.6	8035.1
72.5°	4478.5	4579.7	5577.2	8127.4	12720.0	15565.0	12253.3	8269.7	6063.2	4933.6	4746.4
75°	1420.6	1456.5	1964.2	3325.8	7195.3	10309.6	7783.8	4059.2	2234.7	1647.5	1628.3
77.5°	630.8	634.7	710.3	970.6	2478.3	5223.4	2977.1	1105.2	761.6	665.4	687.2
80°	398.7	398.7	439.8	480.8	674.4	1516.8	805.2	525.7	448.7	416.7	425.7
82.5°	191.0	211.6	285.9	307.7	370.5	510.3	412.8	343.6	300.0	223.1	207.7
85°	125.6	105.1	180.8	203.9	215.4	244.9	239.8	226.9	196.2	111.5	124.4
87.5°	56.4	53.8	93.6	85.9	80.8	61.5	92.3	114.1	110.3	55.1	55.1
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)