

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: P316653

Luminaire Tested: **GAN-SA9C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316653
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 52786 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

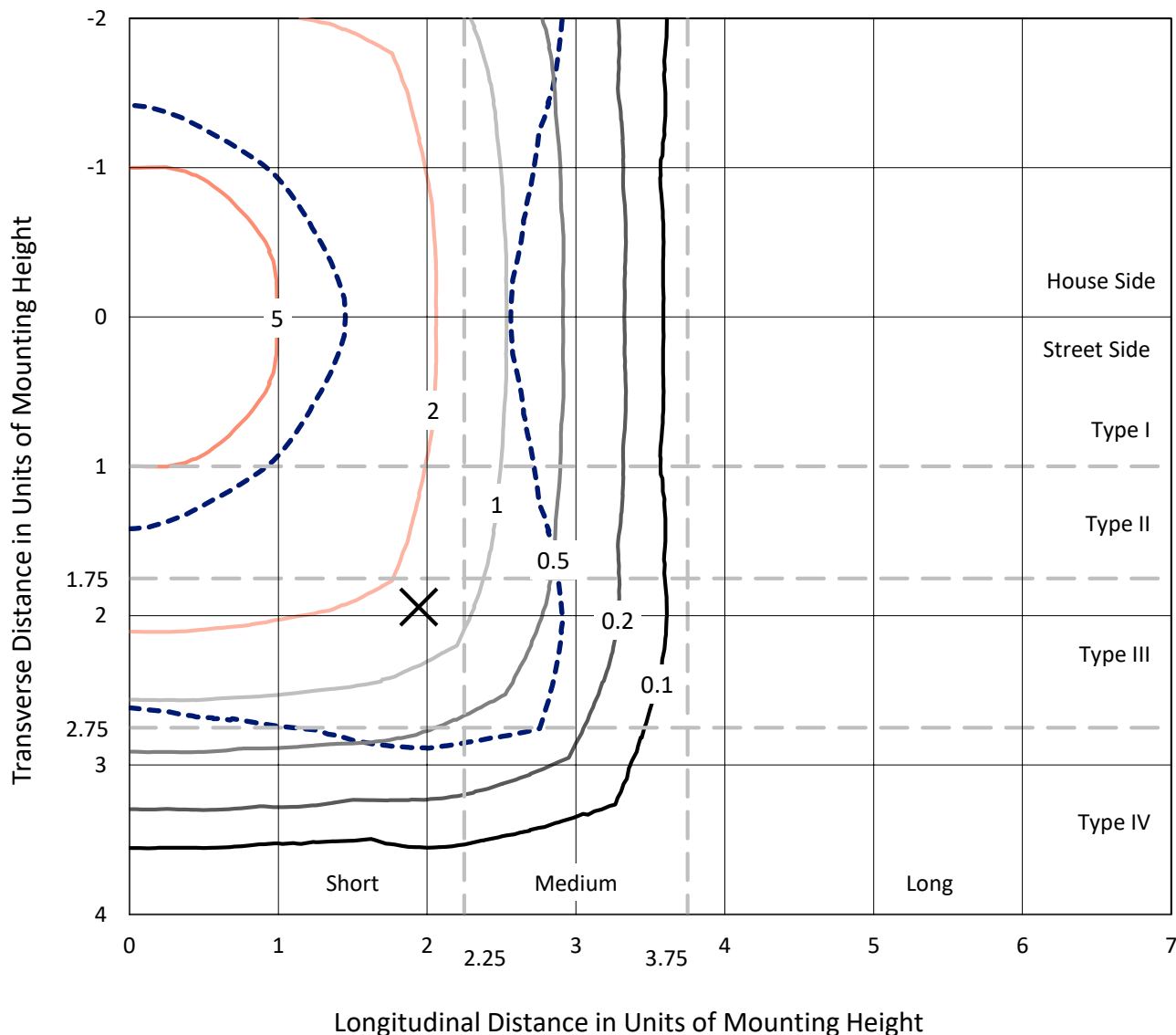
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

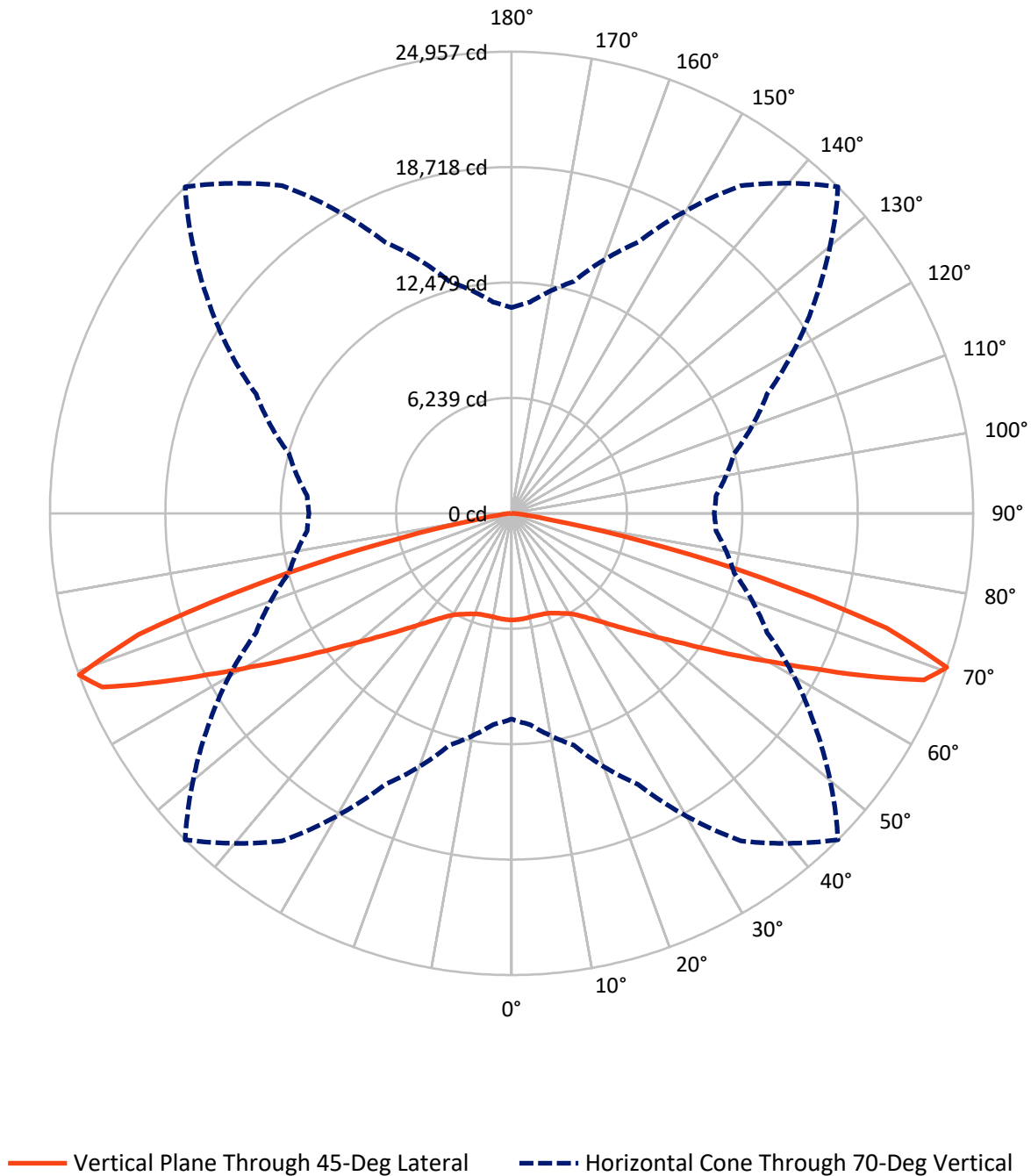
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	26393.0	0.0	26393.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26393.0	0.0	26393.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52786.0	0.0	52786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.0	1.0
10°-20°	1602.9	3.0
20°-30°	2728.7	5.2
30°-40°	4327.7	8.2
40°-50°	7042.6	13.3
50°-60°	11611.9	22.0
60°-70°	17046.7	32.3
70°-80°	7538.0	14.3
80°-90°	341.4	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°	52786.0	100.0
0°-180°	52786.0	100.0

Coefficient of Utilization



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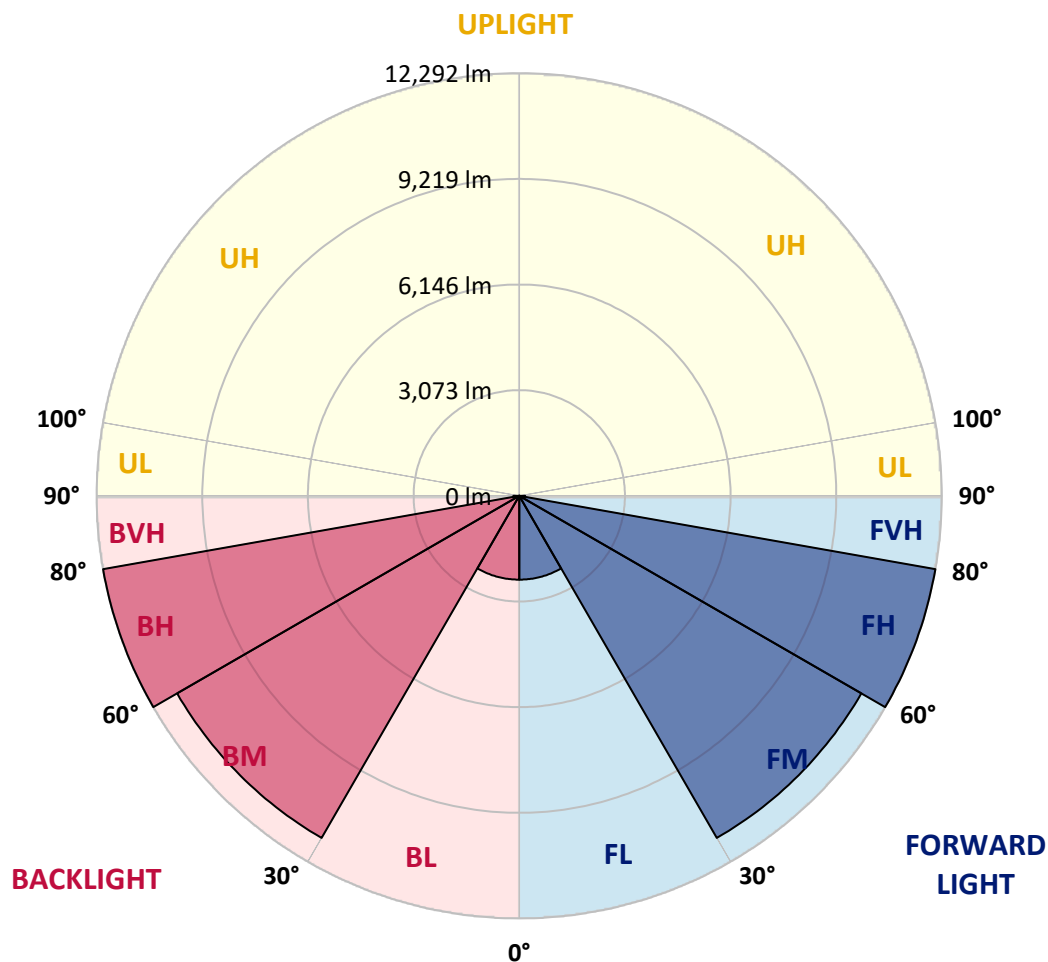
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2438.8	4.6			
FM	(30°-60°)	11491.1	21.8			
FH	(60°-80°)	12292.3	23.3			G5
FVH	(80°-90°)	170.7	0.3			G2/225
BL	(0°-30°)	2438.8	4.6	B3/2500		
BM	(30°-60°)	11491.1	21.8	B5		
BH	(60°-80°)	12292.3	23.3	B5		G5
BVH	(80°-90°)	170.7	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°	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1	5765.1
2.5°	5756.3	5751.1	5763.3	5761.6	5751.1	5752.8	5752.8	5758.1	5758.1	5754.6	5754.6
5°	5735.4	5731.9	5745.8	5745.8	5735.4	5738.8	5742.3	5747.6	5745.8	5742.3	5740.6
7.5°	5709.1	5707.4	5721.4	5721.4	5714.4	5717.9	5714.4	5716.1	5712.6	5709.1	5703.9
10°	5665.5	5669.0	5681.2	5684.7	5684.7	5686.4	5682.9	5674.2	5669.0	5663.7	5658.5
12.5°	5625.3	5623.5	5641.0	5649.8	5663.7	5679.5	5669.0	5644.5	5634.0	5623.5	5620.1
15°	5599.1	5600.8	5618.3	5634.0	5658.5	5691.7	5679.5	5641.0	5620.1	5607.8	5604.3
17.5°	5593.8	5597.3	5620.1	5648.0	5674.2	5710.9	5703.9	5665.5	5630.5	5607.8	5602.6
20°	5606.1	5607.8	5642.8	5682.9	5728.4	5763.3	5747.6	5705.7	5658.5	5623.5	5614.8
22.5°	5628.8	5635.8	5679.5	5742.3	5812.2	5859.4	5840.2	5768.5	5695.2	5651.5	5639.3
25°	5700.4	5702.2	5761.6	5847.2	5931.0	5985.2	5962.5	5861.1	5766.8	5717.9	5702.2
27.5°	5848.9	5854.1	5913.5	6013.1	6084.8	6119.7	6105.7	6023.6	5943.2	5890.8	5896.1
30°	6063.8	6070.8	6137.2	6247.2	6290.9	6299.6	6296.1	6257.7	6184.3	6114.4	6119.7
32.5°	6325.8	6329.3	6418.4	6518.0	6552.9	6559.9	6552.9	6518.0	6430.7	6336.3	6341.6
35°	6663.0	6673.5	6759.1	6855.2	6883.1	6897.1	6884.9	6839.4	6748.6	6656.0	6652.5
37.5°	7078.8	7080.5	7169.6	7269.2	7304.1	7307.6	7293.7	7264.0	7150.4	7066.6	7061.3
40°	7561.0	7567.9	7672.8	7779.3	7793.3	7777.6	7796.8	7779.3	7662.3	7566.2	7581.9
42.5°	8147.9	8163.7	8289.4	8394.3	8354.1	8345.4	8357.6	8362.8	8268.5	8151.4	8141.0
45°	8831.0	8845.0	9002.2	9086.1	9059.9	9002.2	9026.7	9068.6	8937.6	8792.6	8806.6
47.5°	9610.2	9645.1	9812.8	9891.4	9826.8	9748.2	9795.3	9858.2	9704.5	9524.6	9515.8
50°	10476.7	10520.3	10744.0	10854.0	10789.4	10644.4	10723.0	10764.9	10543.1	10310.7	10291.5
52.5°	11400.8	11444.5	11725.8	11952.9	11910.9	11685.6	11795.6	11752.0	11496.9	11184.2	11159.7
55°	12447.3	12464.7	12768.7	13135.6	13177.5	13011.5	13004.6	12932.9	12555.6	12194.0	12176.5
57.5°	13523.4	13535.6	13928.7	14362.0	14559.4	14559.4	14363.7	14211.7	13710.3	13291.1	13247.4
60°	14685.2	14728.8	15163.8	15752.6	16213.8	16350.0	16004.1	15590.1	15045.0	14533.2	14482.5
62.5°	15719.4	15770.0	16435.6	17312.6	18053.3	18549.5	17704.0	17029.6	16037.3	15216.2	15120.2
65°	15850.4	15986.7	16956.2	18544.3	20202.1	21192.7	19571.5	17910.1	16102.0	14961.2	14863.4
67.5°	14475.5	14706.1	16016.4	18488.3	21914.2	24040.3	20764.7	17407.0	14942.0	13680.6	13572.3
70°	11123.1	11458.5	12969.6	16171.8	21618.9	24957.4	20017.0	15239.0	12457.8	11100.3	10948.4
72.5°	6102.2	6240.2	7599.4	11074.1	17331.8	21208.4	16695.9	11268.1	8261.5	6722.4	6467.3
75°	1935.7	1984.6	2676.4	4531.7	9804.1	14047.5	10605.9	5531.0	3045.0	2244.9	2218.7
77.5°	859.5	864.8	967.8	1322.5	3376.9	7117.2	4056.5	1505.9	1037.7	906.7	936.4
80°	543.3	543.3	599.2	655.1	918.9	2066.7	1097.1	716.3	611.4	567.8	580.0
82.5°	260.3	288.3	389.6	419.3	504.9	695.3	562.5	468.2	408.8	304.0	283.0
85°	171.2	143.3	246.3	277.8	293.5	333.7	326.7	309.2	267.3	152.0	169.5
87.5°	76.9	73.4	127.5	117.0	110.1	83.9	125.8	155.5	150.2	75.1	75.1
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)