

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: P317292

Luminaire Tested: **GAN-SA8C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317292
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-SA8C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46046 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 445
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



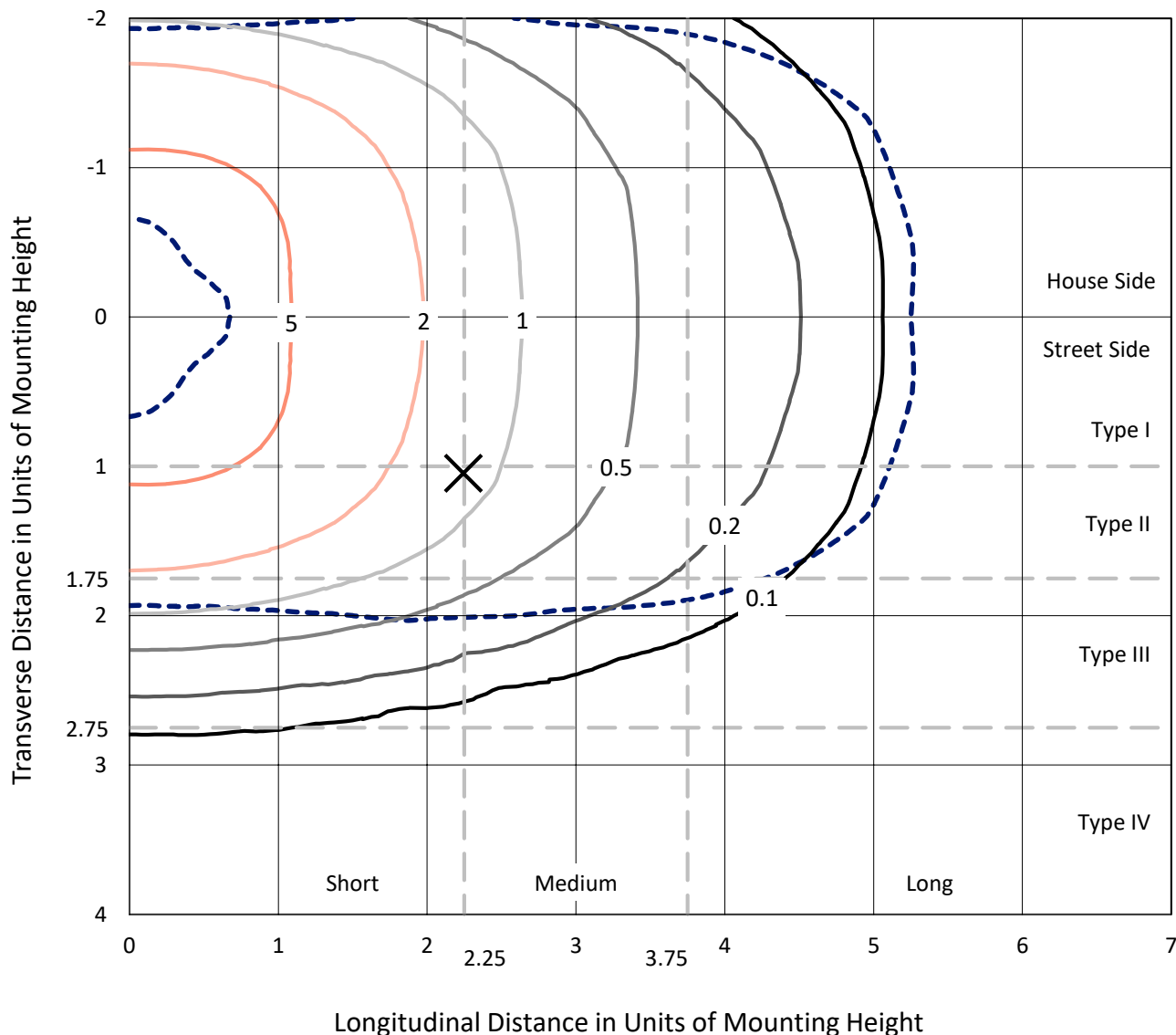
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

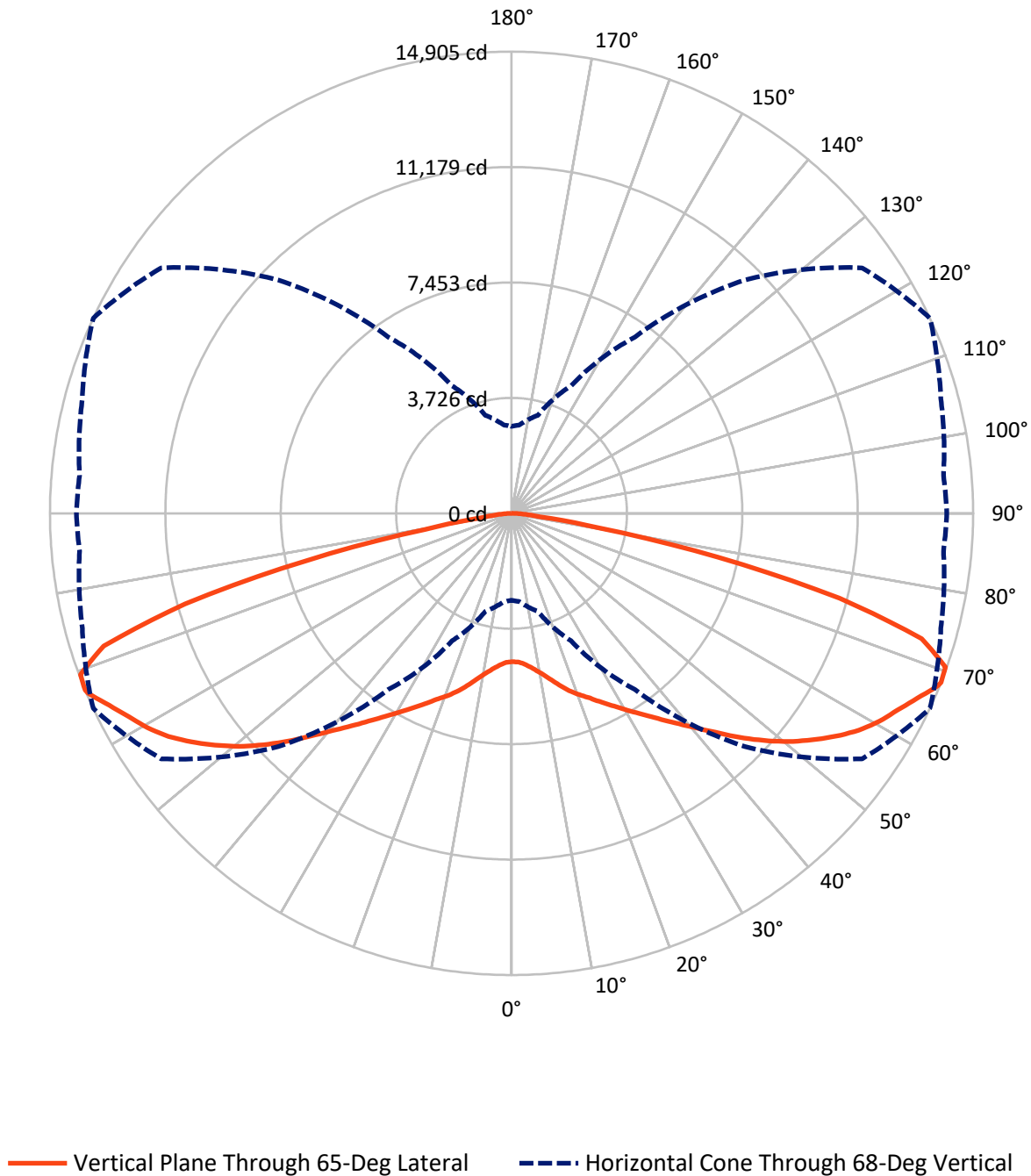


Based on 25 foot mounting height. Maximum calculated value = 8.7 fc

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	23023.0	0.0	23023.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23023.0	0.0	23023.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46046.0	0.0	46046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.7	1.0
10°-20°	1569.6	3.4
20°-30°	3060.3	6.6
30°-40°	5141.0	11.2
40°-50°	8100.4	17.6
50°-60°	10832.9	23.5
60°-70°	10530.9	22.9
70°-80°	5756.7	12.5
80°-90°	585.5	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°	46046.0	100.0
0°-180°	46046.0	100.0

Coefficient of Utilization



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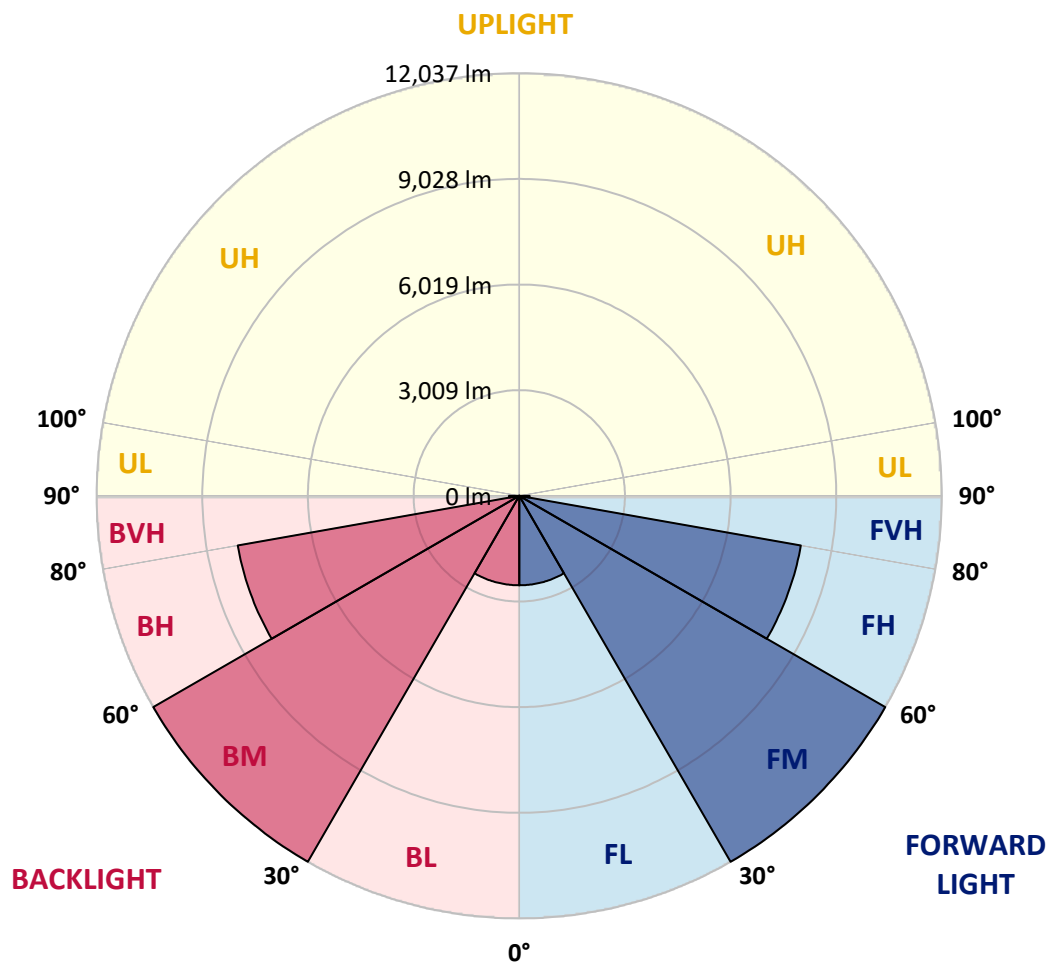
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2549.3	5.5			
FM	(30°-60°)	12037.2	26.1			
FH	(60°-80°)	8143.8	17.7			G4/12000
FVH	(80°-90°)	292.7	0.6			G3/500
BL	(0°-30°)	2549.3	5.5	B4/5000		
BM	(30°-60°)	12037.2	26.1	B5		
BH	(60°-80°)	8143.8	17.7	B5		G5
BVH	(80°-90°)	292.7	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°	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7	4787.7
2.5°	4753.7	4755.3	4763.0	4772.3	4780.0	4800.1	4804.7	4812.4	4815.5	4823.2	4823.2
5°	4712.0	4715.1	4733.7	4758.4	4786.2	4835.6	4871.1	4911.2	4931.3	4952.9	4951.4
7.5°	4707.4	4715.1	4741.4	4781.5	4827.8	4909.7	4983.8	5064.1	5118.1	5167.5	5164.4
10°	4755.3	4767.6	4804.7	4864.9	4934.4	5036.3	5145.9	5254.0	5348.1	5423.8	5426.9
12.5°	4827.8	4843.3	4902.0	4993.0	5098.0	5229.3	5359.0	5480.9	5610.6	5723.3	5732.6
15°	4923.6	4943.6	5031.6	5167.5	5328.1	5484.0	5623.0	5748.0	5897.8	6053.7	6069.2
17.5°	5065.6	5093.4	5209.2	5392.9	5604.4	5775.8	5920.9	6015.1	6140.2	6300.7	6330.1
20°	5281.8	5317.3	5463.9	5683.2	5941.0	6120.1	6231.3	6251.3	6313.1	6456.7	6490.6
22.5°	5562.7	5593.6	5757.3	6018.2	6306.9	6501.5	6560.1	6479.8	6473.7	6589.5	6621.9
25°	5876.2	5904.0	6093.9	6387.2	6697.5	6912.1	6910.6	6754.7	6646.6	6736.1	6770.1
27.5°	6228.2	6271.4	6453.6	6762.4	7094.3	7305.8	7293.5	7052.6	6847.3	6870.5	6899.8
30°	6632.7	6680.5	6858.1	7171.5	7503.5	7710.3	7694.9	7376.9	7068.1	7006.3	7027.9
32.5°	7134.5	7191.6	7359.9	7668.7	7962.0	8148.8	8104.0	7728.9	7333.6	7199.3	7219.4
35°	7738.1	7772.1	7949.7	8253.8	8491.6	8619.7	8525.5	8136.5	7670.2	7508.1	7508.1
37.5°	8349.5	8375.8	8574.9	8869.8	9099.9	9167.8	8984.1	8582.7	8110.2	7880.2	7884.8
40°	8936.2	9007.2	9231.1	9533.7	9760.7	9779.2	9535.3	9092.2	8599.6	8361.9	8389.7
42.5°	9549.2	9618.6	9885.7	10228.5	10429.2	10460.1	10174.4	9663.4	9152.4	8959.4	8990.3
45°	10095.7	10151.3	10460.1	10858.4	11108.5	11188.8	10850.7	10318.0	9749.9	9561.5	9569.2
47.5°	10477.1	10549.6	10889.3	11358.6	11723.0	11846.5	11514.6	10955.7	10338.1	10109.6	10129.7
50°	10822.9	10861.5	11205.8	11718.4	12181.5	12436.3	12152.2	11585.6	10932.5	10690.1	10711.7
52.5°	11015.9	11065.3	11398.8	11933.0	12481.1	12891.7	12718.8	12152.2	11506.8	11270.6	11296.9
55°	10881.6	10918.6	11318.5	11980.8	12666.3	13172.7	13199.0	12706.5	12070.4	11863.5	11937.6
57.5°	10270.2	10316.5	10804.4	11672.0	12689.5	13362.6	13560.3	13220.6	12596.9	12428.6	12471.8
60°	9314.5	9343.8	9864.1	10839.9	12238.7	13441.4	13790.3	13640.5	13112.5	12944.2	13002.9
62.5°	7611.5	7654.8	8277.0	9584.7	11286.1	13208.2	14012.6	13987.9	13592.7	13438.3	13490.8
65°	5203.0	5278.7	5967.3	7620.8	9817.8	12495.0	14214.9	14392.4	14017.3	13822.7	13892.2
67.5°	3141.9	3197.5	3696.1	5031.6	7512.7	11056.0	14006.5	14852.5	14316.8	14003.4	14060.5
68°	2808.4	2859.3	3276.2	4540.7	6949.2	10650.0	13816.6	14905.0	14349.2	14000.3	14051.2
70°	1696.8	1730.7	2010.2	2806.8	4633.3	8448.3	12521.2	14861.8	14556.1	14043.5	14072.8
72.5°	1105.4	1116.3	1162.6	1440.5	2366.8	4724.4	9397.9	13849.0	14866.4	14295.2	14290.5
75°	918.6	912.5	917.1	949.5	1167.2	2071.9	5491.7	10940.2	14171.7	13898.4	13801.1
77.5°	776.6	772.0	770.4	772.0	781.2	1000.5	2383.8	6814.9	10844.5	12294.2	12380.7
80°	628.4	622.2	642.3	633.0	605.2	622.2	998.9	2834.6	5111.9	5499.4	5153.6
82.5°	457.0	433.8	520.3	495.6	472.4	438.5	551.2	915.5	1219.7	836.8	588.2
85°	352.0	327.3	395.2	379.8	324.2	223.9	327.3	447.7	494.1	282.5	222.3
87.5°	143.6	151.3	285.6	225.4	189.9	108.1	134.3	179.1	240.9	120.4	92.6
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)