

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: P317273

Luminaire Tested: **GAN-SA9A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317273
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-SA9A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33841 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 290
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

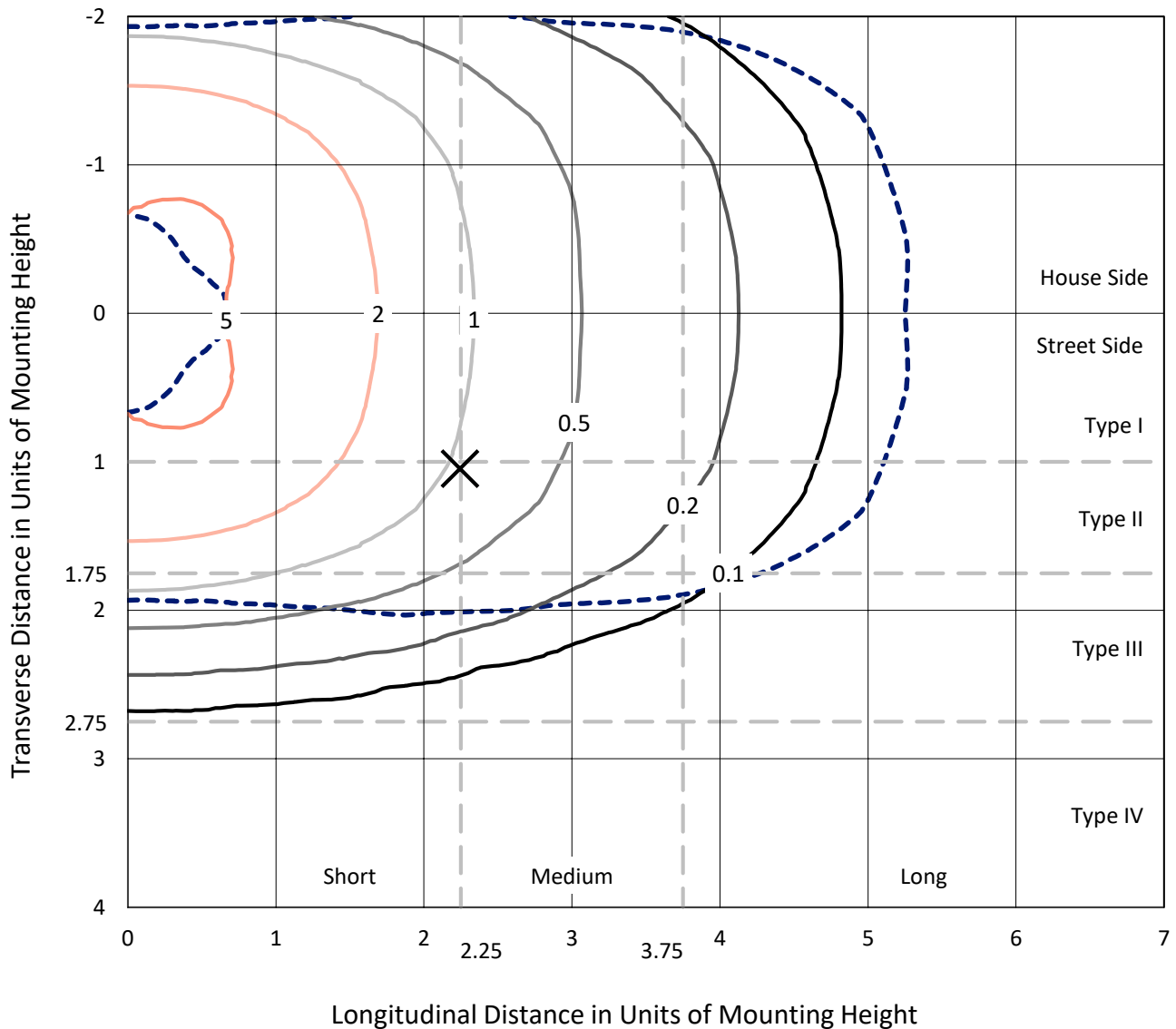


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Iso-Footcandle Lines of Horizontal Illumination

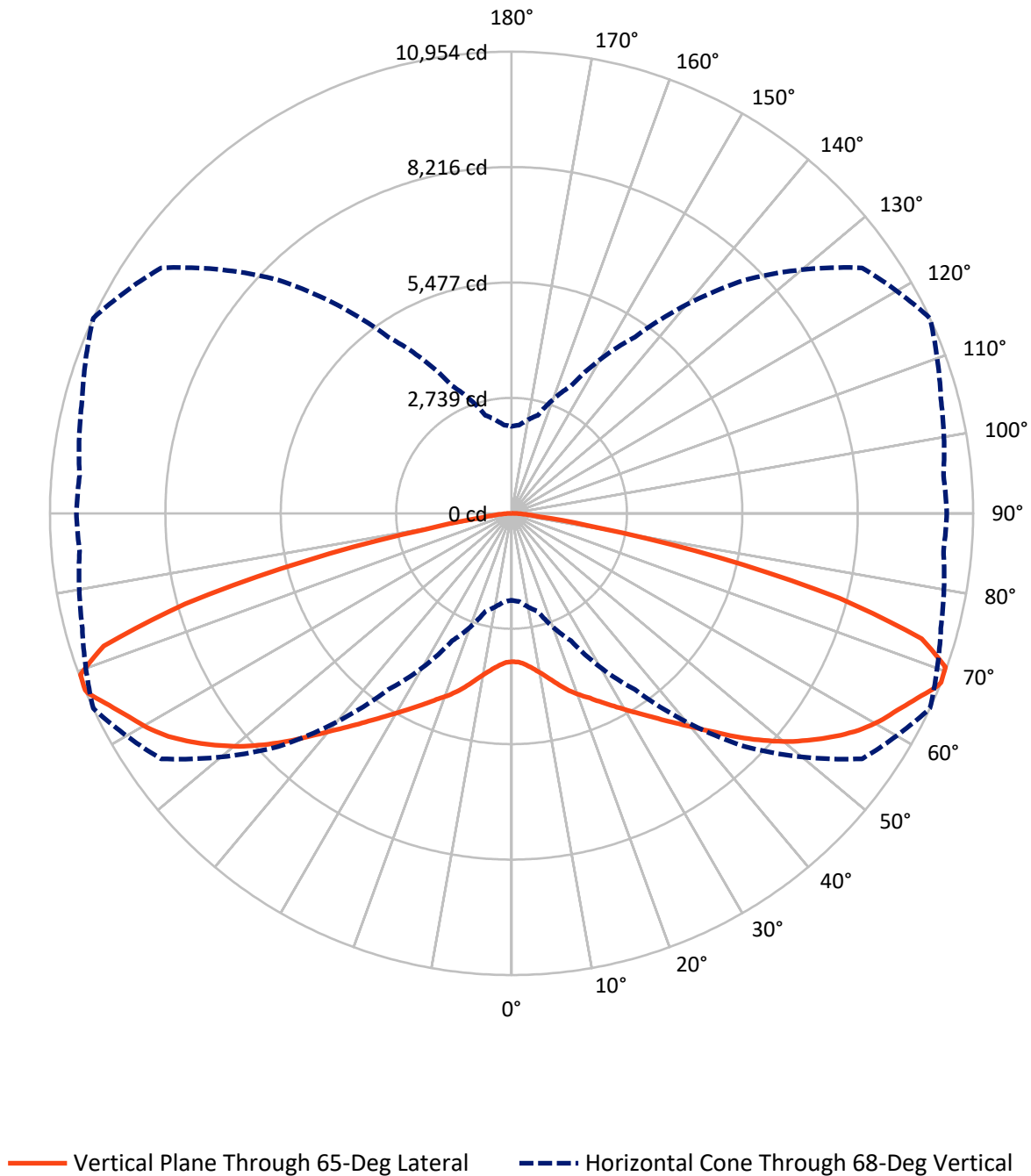
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16920.5	0.0	16920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16920.5	0.0	16920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33841.0	0.0	33841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	1.0
10°-20°	1153.5	3.4
20°-30°	2249.1	6.6
30°-40°	3778.3	11.2
40°-50°	5953.3	17.6
50°-60°	7961.5	23.5
60°-70°	7739.6	22.9
70°-80°	4230.8	12.5
80°-90°	430.3	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°	33841.0	100.0
0°-180°	33841.0	100.0

Coefficient of Utilization



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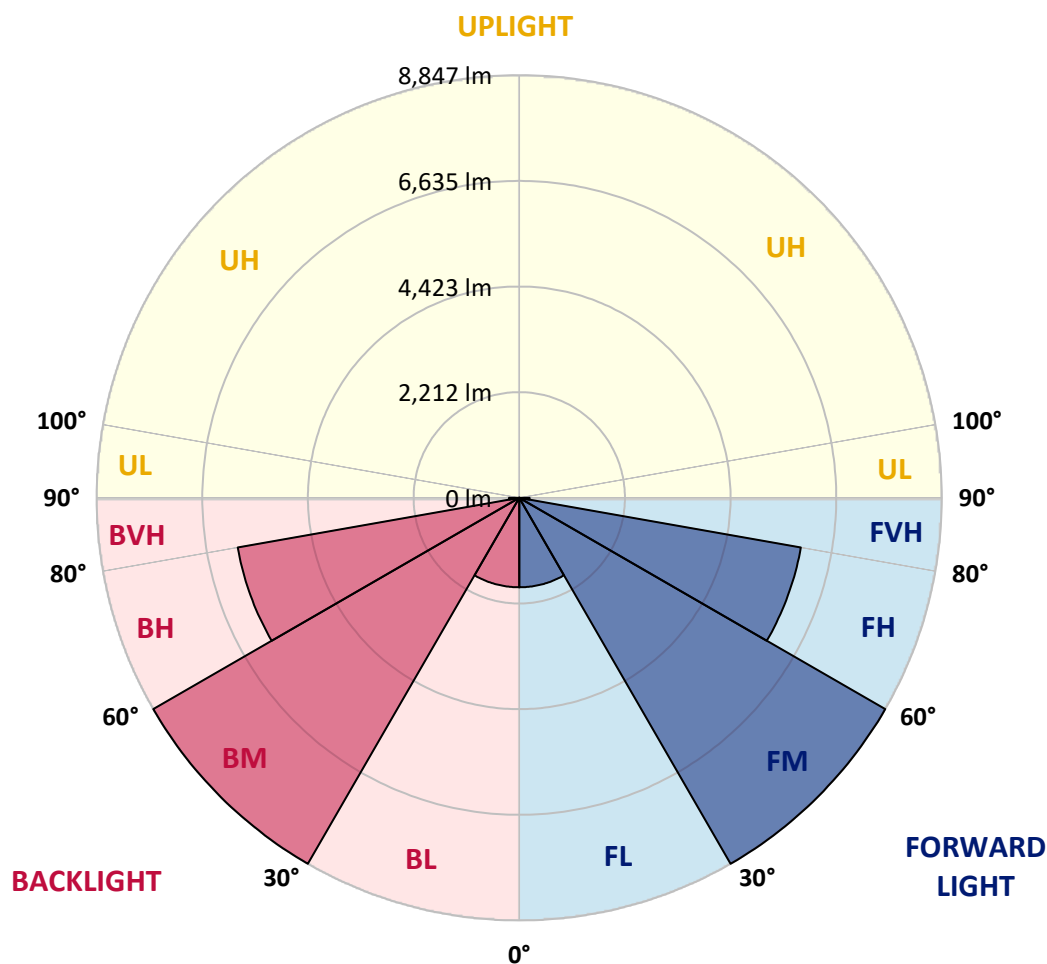
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1873.6	5.5			
FM	(30°-60°)	8846.6	26.1			
FH	(60°-80°)	5985.2	17.7			G3/7500
FVH	(80°-90°)	215.1	0.6			G2/225
BL	(0°-30°)	1873.6	5.5	B3/2500		
BM	(30°-60°)	8846.6	26.1	B5		
BH	(60°-80°)	5985.2	17.7	B5		G5
BVH	(80°-90°)	215.1	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7	3518.7
2.5°	3493.7	3494.8	3500.5	3507.3	3513.0	3527.7	3531.1	3536.8	3539.1	3544.8	3544.8
5°	3463.1	3465.3	3479.0	3497.1	3517.5	3553.8	3579.9	3609.4	3624.2	3640.1	3638.9
7.5°	3459.7	3465.3	3484.6	3514.1	3548.2	3608.3	3662.8	3721.8	3761.5	3797.8	3795.5
10°	3494.8	3503.9	3531.1	3575.4	3626.5	3701.4	3781.9	3861.3	3930.6	3986.2	3988.4
12.5°	3548.2	3559.5	3602.6	3669.6	3746.7	3843.2	3938.5	4028.1	4123.5	4206.3	4213.1
15°	3618.5	3633.3	3697.9	3797.8	3915.8	4030.4	4132.5	4224.4	4334.5	4449.1	4460.5
17.5°	3722.9	3743.3	3828.4	3963.5	4118.9	4244.9	4351.5	4420.7	4512.7	4630.7	4652.2
20°	3881.8	3907.9	4015.7	4176.8	4366.3	4497.9	4579.6	4594.4	4639.7	4745.3	4770.2
22.5°	4088.3	4111.0	4231.3	4423.0	4635.2	4778.2	4821.3	4762.3	4757.7	4842.8	4866.7
25°	4318.6	4339.0	4478.6	4694.2	4922.3	5080.0	5078.9	4964.3	4884.8	4950.6	4975.6
27.5°	4577.3	4609.1	4743.0	4969.9	5213.9	5369.3	5360.3	5183.3	5032.3	5049.4	5070.9
30°	4874.6	4909.8	5040.3	5270.6	5514.6	5666.6	5655.3	5421.5	5194.6	5149.2	5165.1
32.5°	5243.4	5285.4	5409.1	5636.0	5851.6	5988.9	5956.0	5680.2	5389.8	5291.1	5305.8
35°	5687.1	5712.0	5842.5	6066.0	6240.8	6335.0	6265.7	5979.8	5637.1	5518.0	5518.0
37.5°	6136.4	6155.7	6302.1	6518.8	6687.9	6737.8	6602.7	6307.7	5960.5	5791.4	5794.9
40°	6567.6	6619.8	6784.3	7006.7	7173.5	7187.1	7007.8	6682.2	6320.2	6145.5	6165.9
42.5°	7018.0	7069.1	7265.4	7517.3	7664.8	7687.5	7477.6	7102.0	6726.4	6584.6	6607.3
45°	7419.7	7460.6	7687.5	7980.3	8164.1	8223.1	7974.6	7583.1	7165.6	7027.1	7032.8
47.5°	7700.0	7753.3	8003.0	8347.9	8615.7	8706.5	8462.5	8051.7	7597.9	7429.9	7444.7
50°	7954.2	7982.5	8235.6	8612.3	8952.7	9139.9	8931.1	8514.7	8034.7	7856.6	7872.5
52.5°	8096.0	8132.3	8377.4	8770.0	9172.8	9474.6	9347.6	8931.1	8456.8	8283.2	8302.5
55°	7997.3	8024.5	8318.4	8805.2	9309.0	9681.2	9700.4	9338.5	8871.0	8718.9	8773.4
57.5°	7547.9	7582.0	7940.5	8578.2	9326.0	9820.7	9966.0	9716.3	9257.9	9134.2	9166.0
60°	6845.6	6867.1	7249.5	7966.6	8994.7	9878.6	10135.0	10025.0	9636.9	9513.2	9556.3
62.5°	5594.0	5625.8	6083.1	7044.1	8294.6	9707.3	10298.4	10280.3	9989.8	9876.3	9914.9
65°	3823.9	3879.5	4385.6	5600.8	7215.5	9183.0	10447.1	10577.6	10301.8	10158.9	10209.9
67.5°	2309.1	2349.9	2716.4	3697.9	5521.4	8125.5	10293.9	10915.7	10522.0	10291.6	10333.6
68°	2064.0	2101.4	2407.8	3337.1	5107.2	7827.1	10154.3	10954.3	10545.8	10289.4	10326.8
70°	1247.0	1272.0	1477.4	2062.9	3405.2	6209.0	9202.3	10922.5	10697.8	10321.1	10342.7
72.5°	812.4	820.4	854.4	1058.7	1739.5	3472.1	6906.8	10178.2	10925.9	10506.1	10502.7
75°	675.1	670.6	674.0	697.8	857.8	1522.8	4036.1	8040.4	10415.3	10214.5	10143.0
77.5°	570.7	567.3	566.2	567.3	574.2	735.3	1752.0	5008.5	7970.0	9035.5	9099.1
80°	461.8	457.3	472.0	465.2	444.8	457.3	734.1	2083.3	3757.0	4041.8	3787.6
82.5°	335.9	318.8	382.4	364.2	347.2	322.3	405.1	672.9	896.4	615.0	432.3
85°	258.7	240.6	290.5	279.1	238.3	164.5	240.6	329.1	363.1	207.6	163.4
87.5°	105.5	111.2	209.9	165.7	139.6	79.4	98.7	131.6	177.0	88.5	68.1
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)