

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: P455937

Luminaire Tested: **GLAN-SA7A-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 26115 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

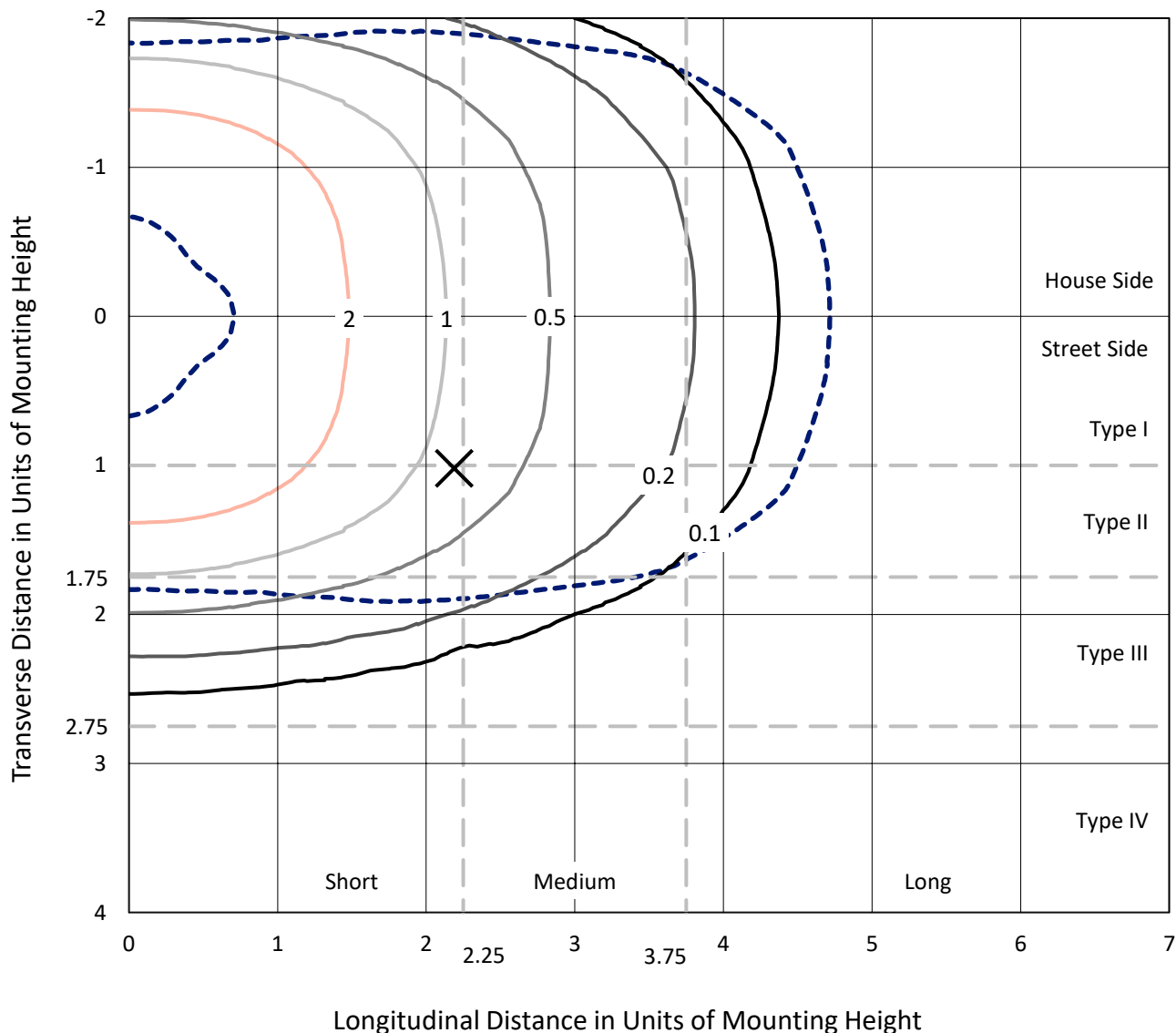
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

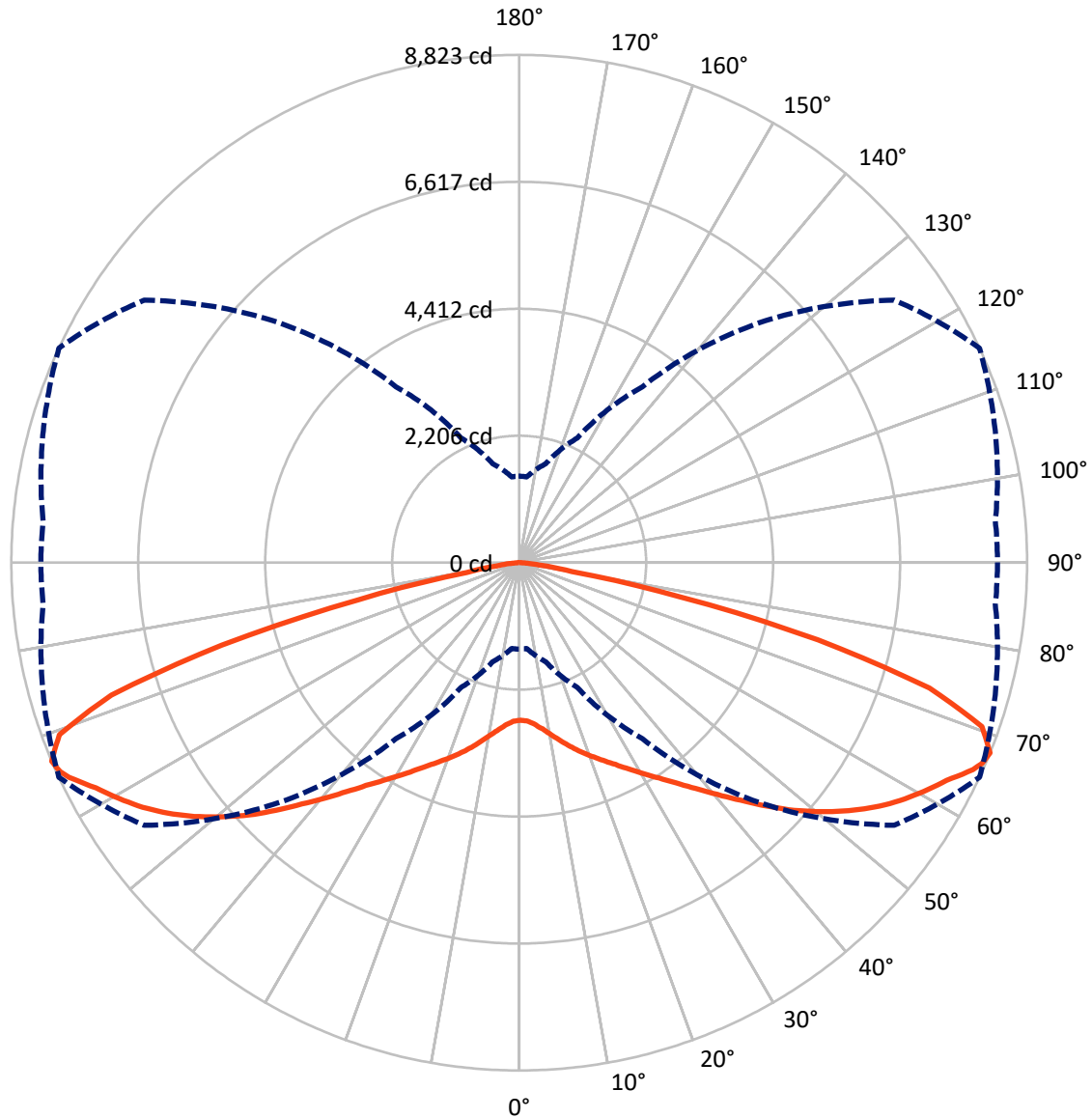
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13057.5	0.0	13057.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13057.5	0.0	13057.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26115.0	0.0	26115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.8	1.0
10°-20°	902.9	3.5
20°-30°	1766.2	6.8
30°-40°	3004.0	11.5
40°-50°	4754.5	18.2
50°-60°	6304.3	24.1
60°-70°	5946.9	22.8
70°-80°	2939.9	11.3
80°-90°	226.6	0.9
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°	26115.0	100.0
0°-180°	26115.0	100.0

Coefficient of Utilization



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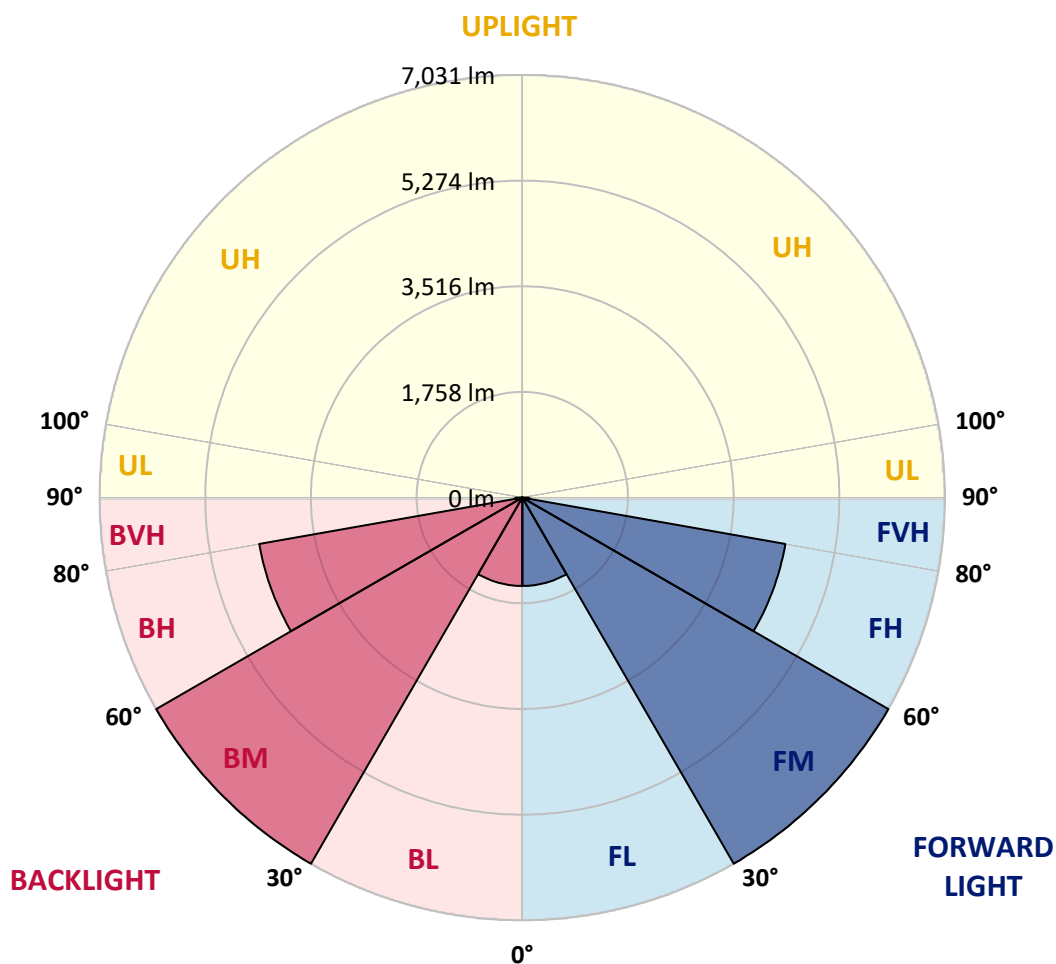
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1469.4	5.6			
FM (30°-60°)	7031.4	26.9			
FH (60°-80°)	4443.4	17.0			G2/5000
FVH (80°-90°)	113.3	0.4			G2/225
BL (0°-30°)	1469.4	5.6	B3/2500		
BM (30°-60°)	7031.4	26.9	B4/8500		
BH (60°-80°)	4443.4	17.0	B4/5000		G4/5000
BVH (80°-90°)	113.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3	2735.3
2.5°	2721.3	2724.1	2726.9	2731.1	2736.7	2745.1	2750.7	2754.9	2766.1	2767.5	2766.1
5°	2711.5	2714.3	2721.3	2733.9	2752.1	2777.3	2796.9	2820.7	2838.9	2851.4	2848.6
7.5°	2710.1	2715.7	2726.9	2753.5	2788.5	2831.9	2876.6	2917.2	2952.2	2980.2	2976.0
10°	2732.5	2739.5	2757.7	2796.9	2851.4	2914.4	2977.4	3037.5	3087.9	3124.3	3136.9
12.5°	2770.3	2775.9	2809.5	2868.2	2946.6	3024.9	3096.3	3170.4	3240.4	3302.0	3302.0
15°	2836.1	2845.8	2887.8	2973.2	3069.7	3160.7	3233.4	3311.8	3387.3	3457.3	3478.3
17.5°	2927.0	2941.0	3004.0	3113.1	3236.2	3320.2	3388.7	3453.1	3518.8	3586.0	3595.8
20°	3051.5	3065.5	3149.5	3281.0	3426.5	3527.2	3573.4	3588.8	3621.0	3685.3	3693.7
22.5°	3220.8	3234.8	3328.6	3476.9	3639.2	3748.3	3767.9	3731.5	3723.1	3773.5	3779.1
25°	3412.5	3425.1	3532.8	3692.3	3860.2	3979.2	3973.6	3884.0	3833.6	3864.4	3872.8
27.5°	3628.0	3646.2	3755.3	3920.4	4102.3	4207.2	4190.4	4060.3	3952.6	3947.0	3949.8
30°	3903.6	3923.2	4026.7	4184.8	4363.9	4460.5	4425.5	4250.6	4084.1	4028.1	4028.1
32.5°	4194.6	4243.6	4348.5	4513.6	4653.5	4723.5	4670.3	4460.5	4239.4	4161.0	4156.8
35°	4573.8	4600.4	4703.9	4864.8	4969.7	5024.3	4922.2	4696.9	4442.3	4349.9	4337.3
37.5°	4944.6	4966.9	5087.3	5241.2	5368.5	5365.7	5227.2	4978.1	4694.1	4590.6	4582.2
40°	5323.7	5347.5	5484.6	5625.9	5753.3	5742.1	5574.2	5295.7	4993.5	4877.4	4899.8
42.5°	5652.5	5679.1	5834.4	6035.9	6150.6	6147.8	5953.3	5639.9	5325.1	5221.6	5241.2
45°	5951.9	5975.7	6156.2	6387.1	6555.0	6576.0	6363.3	6031.7	5708.5	5575.6	5581.2
47.5°	6163.2	6208.0	6396.9	6661.3	6889.4	6963.5	6755.0	6430.4	6058.3	5919.8	5928.2
50°	6324.1	6352.1	6557.8	6858.6	7146.8	7300.7	7132.8	6799.8	6408.1	6261.1	6280.7
52.5°	6343.7	6377.3	6601.1	6948.1	7317.5	7551.2	7468.6	7160.8	6764.8	6613.7	6655.7
55°	6184.2	6203.8	6471.0	6892.2	7384.7	7737.2	7758.2	7496.6	7104.8	6990.1	7018.1
57.5°	5729.5	5779.8	6118.4	6630.5	7292.3	7836.6	7975.1	7801.6	7449.0	7335.7	7380.5
60°	4983.7	5034.1	5374.1	6023.3	6943.9	7790.4	8154.2	8071.6	7761.0	7670.1	7693.9
62.5°	3905.0	3900.8	4321.9	5118.0	6251.4	7563.7	8287.1	8331.9	8068.8	7954.1	7990.5
65°	2531.0	2543.6	2950.8	3808.5	5206.2	6987.3	8316.5	8663.5	8371.0	8197.6	8224.1
66°	2035.7	2073.5	2419.1	3209.6	4673.1	6609.5	8228.3	8761.4	8463.4	8253.5	8266.1
67.5°	1502.7	1495.7	1779.7	2389.7	3731.5	5891.8	7952.7	8823.0	8568.3	8303.9	8309.5
70°	857.7	856.3	957.0	1312.4	2193.8	4148.4	6703.3	8527.7	8781.0	8485.8	8470.4
72.5°	626.8	622.6	636.6	724.8	1070.3	2094.5	4624.2	7453.2	8671.9	8456.4	8413.0
75°	526.1	523.3	520.5	531.7	600.2	948.6	2454.1	5361.5	7524.6	7937.3	7892.5
77.5°	429.5	429.5	430.9	428.1	430.9	499.5	1017.2	2873.8	4582.2	5115.3	5239.8
80°	335.8	334.4	358.2	348.4	326.0	320.4	450.5	924.8	1520.9	1512.5	1248.0
82.5°	247.6	230.9	272.8	265.8	240.7	204.3	263.0	394.6	507.9	330.2	244.8
85°	156.7	155.3	193.1	176.3	146.9	96.5	125.9	169.3	209.9	127.3	103.5
87.5°	28.0	26.6	61.6	44.8	44.8	28.0	35.0	46.2	68.6	47.6	35.0
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)