

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: P455009

Luminaire Tested: **GLAN-SA6A-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455009
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-SA6A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 22233 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

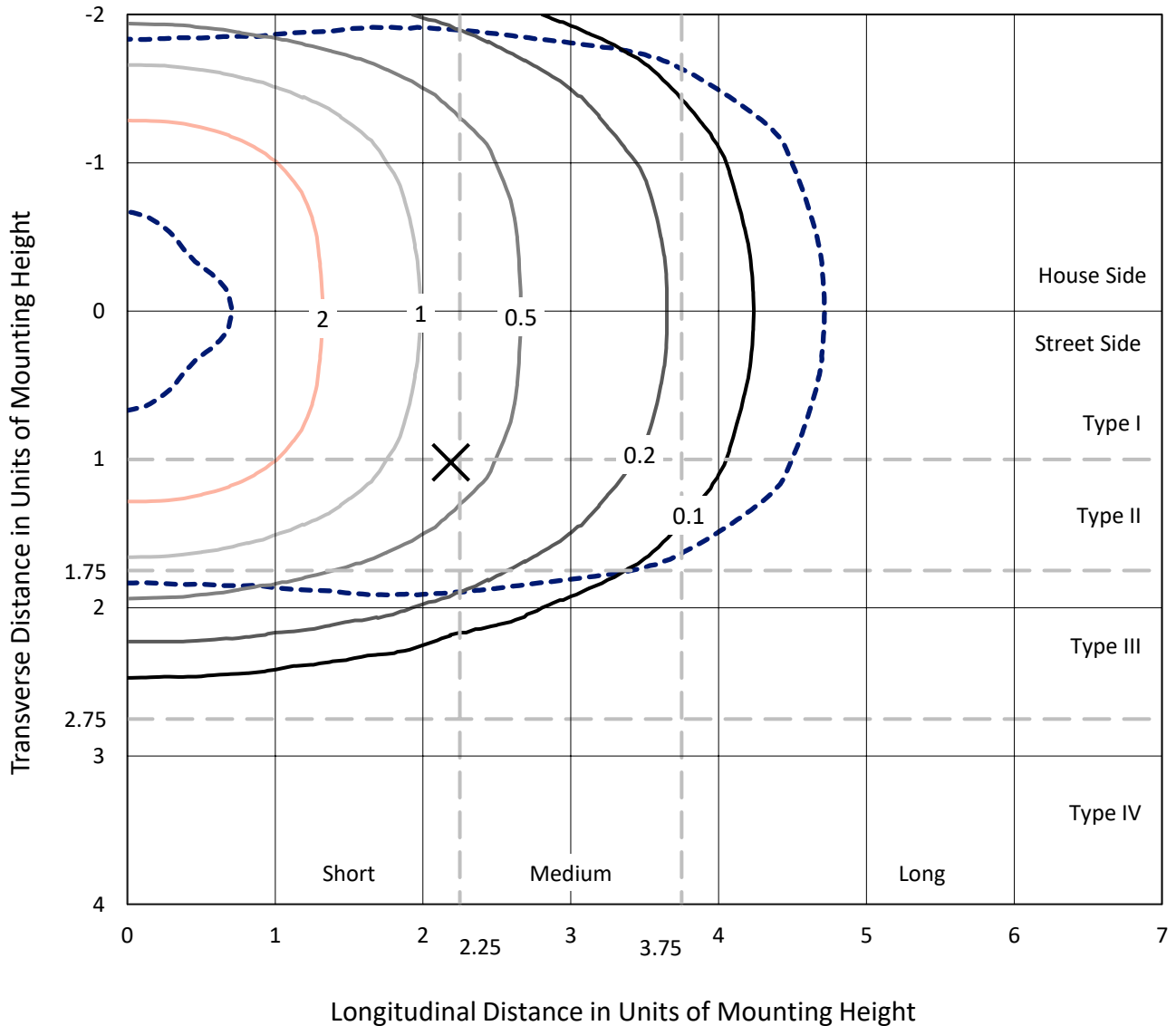
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

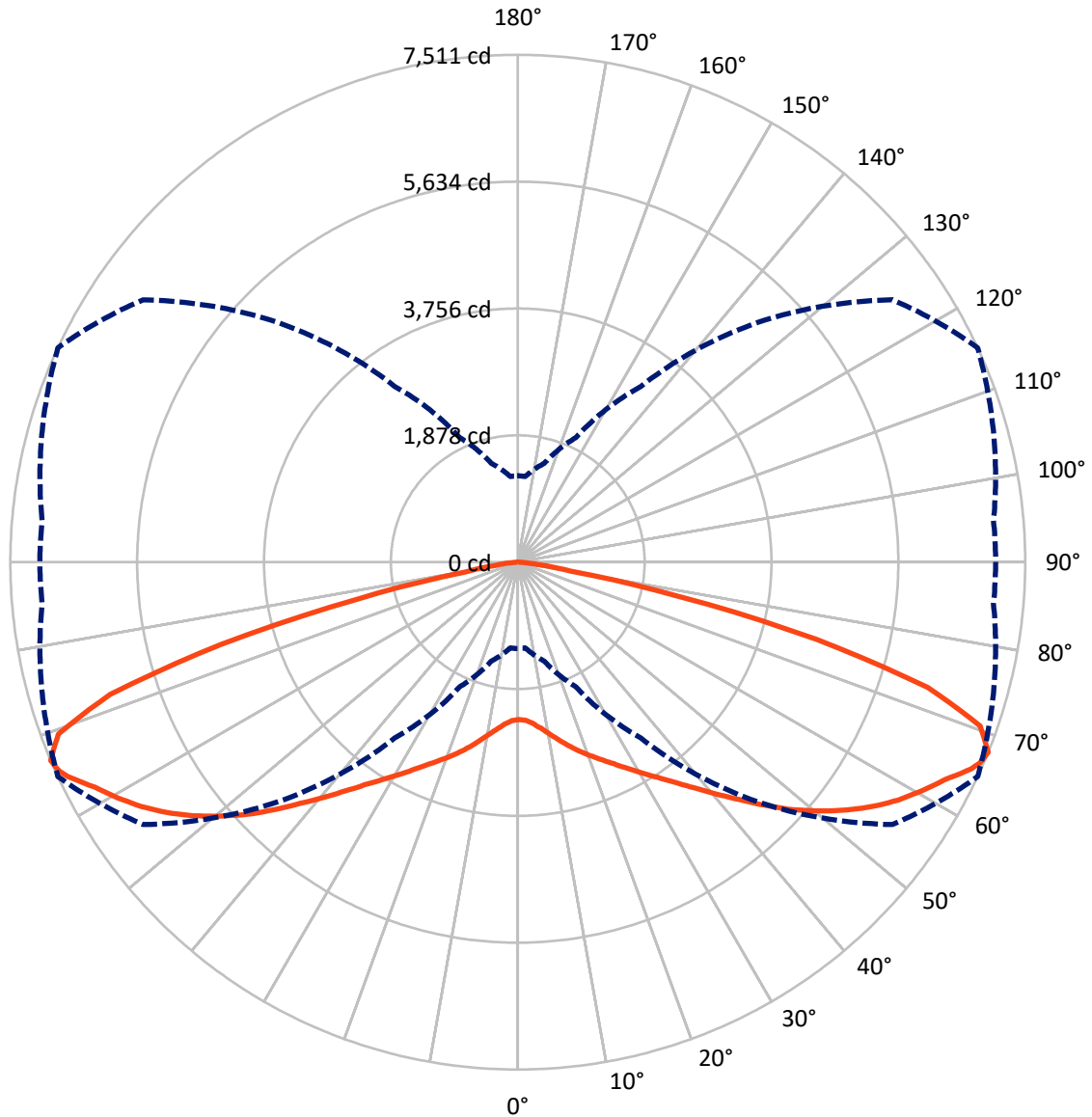
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	11116.5	0.0	11116.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11116.5	0.0	11116.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22233.0	0.0	22233.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	1.0
10°-20°	768.7	3.5
20°-30°	1503.6	6.8
30°-40°	2557.5	11.5
40°-50°	4047.7	18.2
50°-60°	5367.2	24.1
60°-70°	5062.9	22.8
70°-80°	2502.8	11.3
80°-90°	192.9	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°	22233.0	100.0
0°-180°	22233.0	100.0



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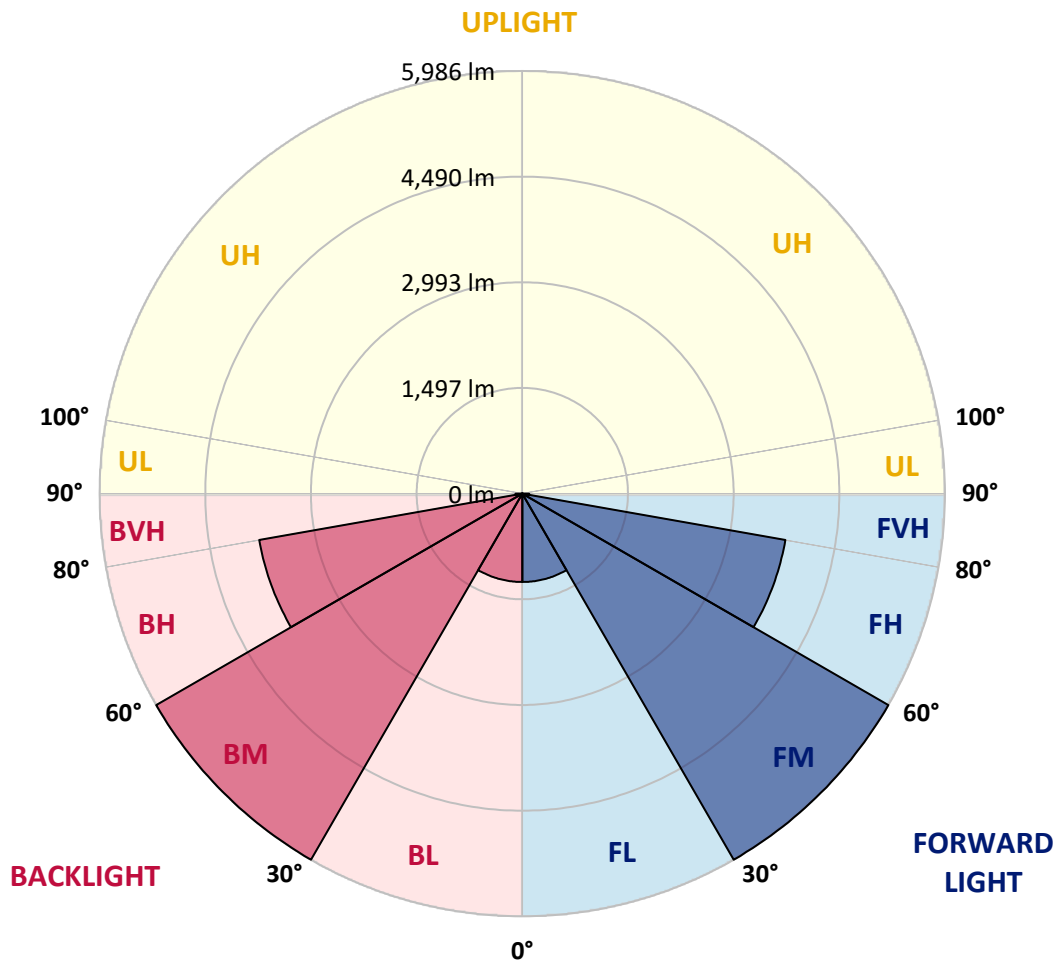
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1251.0	5.6			
FM	(30°-60°)	5986.2	26.9			
FH	(60°-80°)	3782.9	17.0			G2/5000
FVH	(80°-90°)	96.4	0.4			G1/100
BL	(0°-30°)	1251.0	5.6	B3/2500		
BM	(30°-60°)	5986.2	26.9	B4/8500		
BH	(60°-80°)	3782.9	17.0	B4/5000		G4/5000
BVH	(80°-90°)	96.4	0.4			G1/100
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°	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7	2328.7
2.5°	2316.8	2319.2	2321.6	2325.1	2329.9	2337.0	2341.8	2345.4	2354.9	2356.1	2354.9
5°	2308.5	2310.8	2316.8	2327.5	2343.0	2364.4	2381.1	2401.4	2416.9	2427.6	2425.2
7.5°	2307.3	2312.0	2321.6	2344.2	2374.0	2410.9	2449.0	2483.6	2513.3	2537.2	2533.6
10°	2326.3	2332.3	2347.8	2381.1	2427.6	2481.2	2534.8	2586.0	2628.9	2659.9	2670.6
12.5°	2358.5	2363.3	2391.8	2441.9	2508.6	2575.3	2636.0	2699.2	2758.7	2811.1	2811.1
15°	2414.5	2422.8	2458.5	2531.2	2613.4	2690.8	2752.8	2819.5	2883.8	2943.3	2961.2
17.5°	2491.9	2503.8	2557.4	2650.3	2755.1	2826.6	2885.0	2939.8	2995.8	3052.9	3061.3
20°	2597.9	2609.8	2681.3	2793.3	2917.1	3002.9	3042.2	3055.3	3082.7	3137.5	3144.7
22.5°	2742.0	2754.0	2833.8	2960.0	3098.2	3191.1	3207.8	3176.8	3169.7	3212.5	3217.3
25°	2905.2	2916.0	3007.7	3143.5	3286.4	3387.6	3382.9	3306.6	3263.8	3290.0	3297.1
27.5°	3088.7	3104.2	3197.1	3337.6	3492.5	3581.8	3567.5	3456.7	3365.0	3360.3	3362.6
30°	3323.3	3340.0	3428.1	3562.7	3715.2	3797.4	3767.6	3618.7	3477.0	3429.3	3429.3
32.5°	3571.1	3612.8	3702.1	3842.7	3961.8	4021.3	3976.1	3797.4	3609.2	3542.5	3538.9
35°	3893.9	3916.5	4004.7	4141.7	4231.0	4277.4	4190.5	3998.7	3781.9	3703.3	3692.6
37.5°	4209.5	4228.6	4331.0	4462.1	4570.5	4568.1	4450.2	4238.1	3996.3	3908.2	3901.0
40°	4532.3	4552.6	4669.3	4789.6	4898.0	4888.5	4745.6	4508.5	4251.2	4152.4	4171.4
42.5°	4812.3	4834.9	4967.1	5138.6	5236.3	5233.9	5068.4	4801.6	4533.5	4445.4	4462.1
45°	5067.2	5087.4	5241.1	5437.6	5580.6	5598.4	5417.4	5135.1	4859.9	4746.8	4751.5
47.5°	5247.0	5285.2	5446.0	5671.1	5865.3	5928.4	5750.9	5474.6	5157.7	5039.8	5046.9
50°	5384.0	5407.8	5582.9	5839.0	6084.4	6215.5	6072.5	5789.0	5455.5	5330.4	5347.1
52.5°	5400.7	5429.3	5619.9	5915.3	6229.7	6428.7	6358.4	6096.3	5759.2	5630.6	5666.3
55°	5264.9	5281.6	5509.1	5867.6	6286.9	6587.1	6605.0	6382.2	6048.7	5951.0	5974.8
57.5°	4877.8	4920.7	5208.9	5644.9	6208.3	6671.7	6789.6	6641.9	6341.7	6245.2	6283.3
60°	4242.9	4285.8	4575.2	5127.9	5911.7	6632.4	6942.1	6871.8	6607.3	6529.9	6550.2
62.5°	3324.5	3320.9	3679.5	4357.2	5322.1	6439.4	7055.2	7093.3	6869.4	6771.7	6802.7
65°	2154.8	2165.5	2512.1	3242.3	4432.3	5948.6	7080.2	7375.6	7126.7	6979.0	7001.6
66°	1733.1	1765.3	2059.5	2732.5	3978.5	5627.0	7005.2	7459.0	7205.3	7026.6	7037.4
67.5°	1279.3	1273.3	1515.2	2034.5	3176.8	5016.0	6770.5	7511.4	7294.6	7069.5	7074.3
70°	730.2	729.0	814.8	1117.3	1867.7	3531.8	5706.8	7260.1	7475.7	7224.4	7211.3
72.5°	533.6	530.1	542.0	617.0	911.2	1783.2	3936.8	6345.3	7382.8	7199.3	7162.4
75°	447.9	445.5	443.1	452.6	511.0	807.6	2089.3	4564.5	6406.0	6757.4	6719.3
77.5°	365.7	365.7	366.9	364.5	366.9	425.2	866.0	2446.6	3901.0	4354.9	4460.9
80°	285.9	284.7	304.9	296.6	277.5	272.8	383.6	787.4	1294.8	1287.6	1062.5
82.5°	210.8	196.5	232.3	226.3	204.9	173.9	223.9	335.9	432.4	281.1	208.5
85°	133.4	132.2	164.4	150.1	125.1	82.2	107.2	144.1	178.7	108.4	88.1
87.5°	23.8	22.6	52.4	38.1	38.1	23.8	29.8	39.3	58.4	40.5	29.8
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)