

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: McGRAW-EDISON

Report Number: P529968

Luminaire Tested: **GALN-SA5A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15439 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 154
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



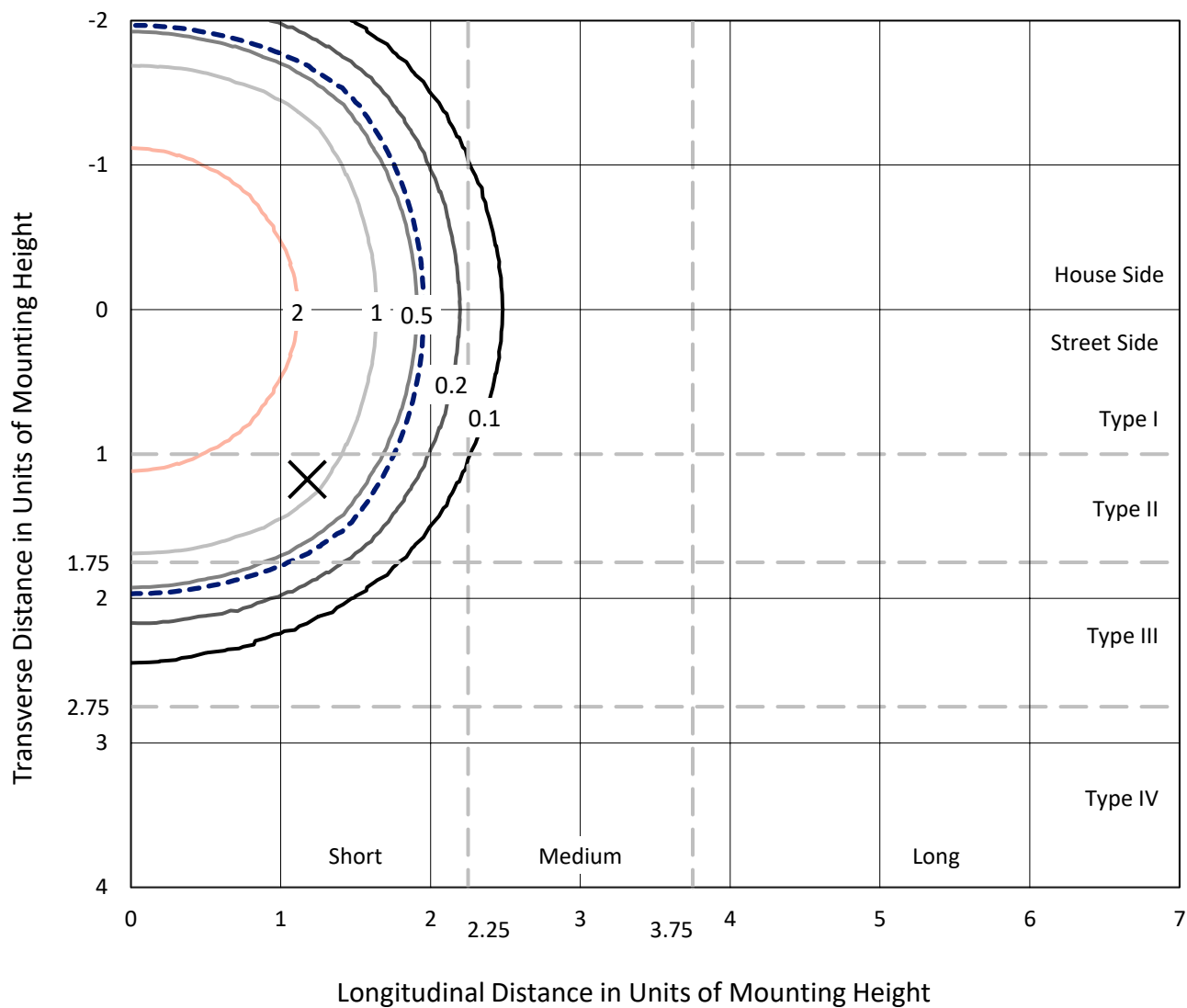
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

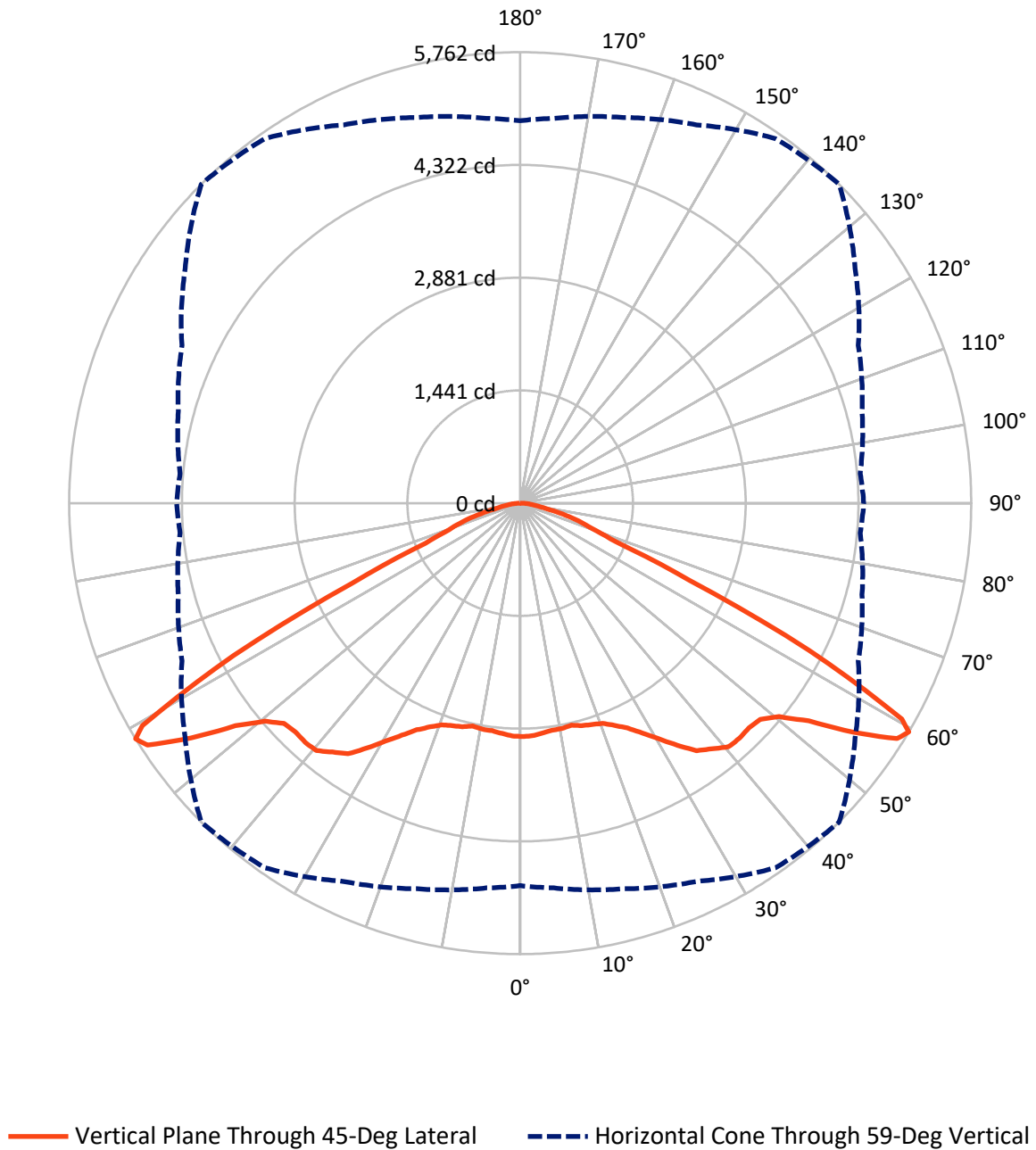


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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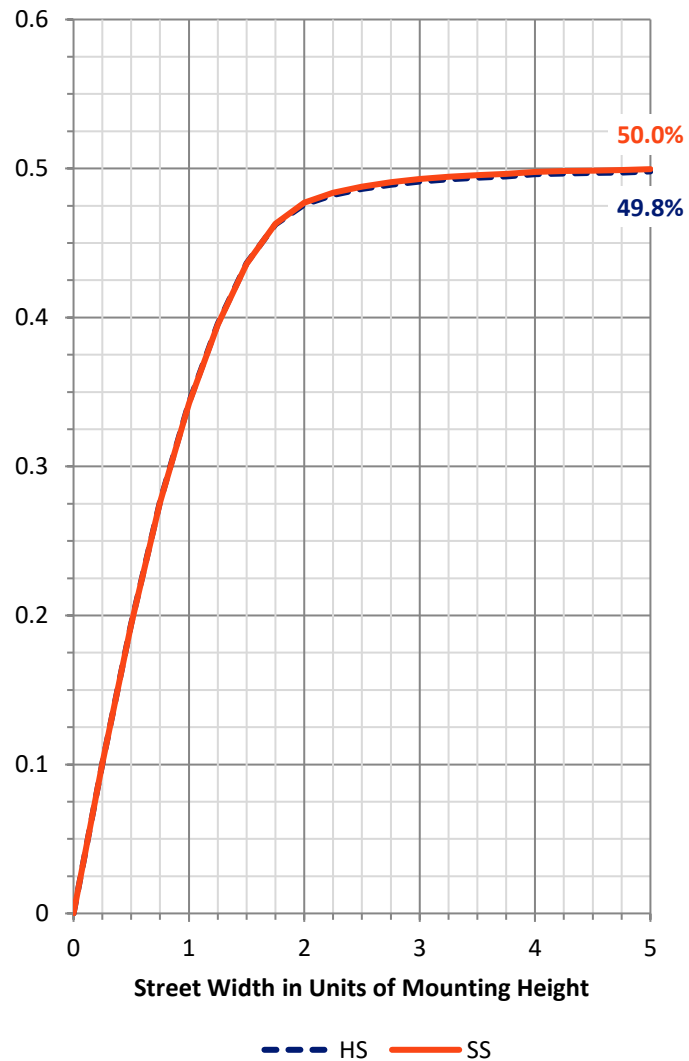
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7719.5	0.0	7719.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7719.5	0.0	7719.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15439.0	0.0	15439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	1.8
10°-20°	836.0	5.4
20°-30°	1459.7	9.5
30°-40°	2331.4	15.1
40°-50°	3175.8	20.6
50°-60°	4294.6	27.8
60°-70°	2355.1	15.3
70°-80°	602.5	3.9
80°-90°	102.8	0.7
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°	15439.0	100.0
0°-180°	15439.0	100.0

Coefficient of Utilization



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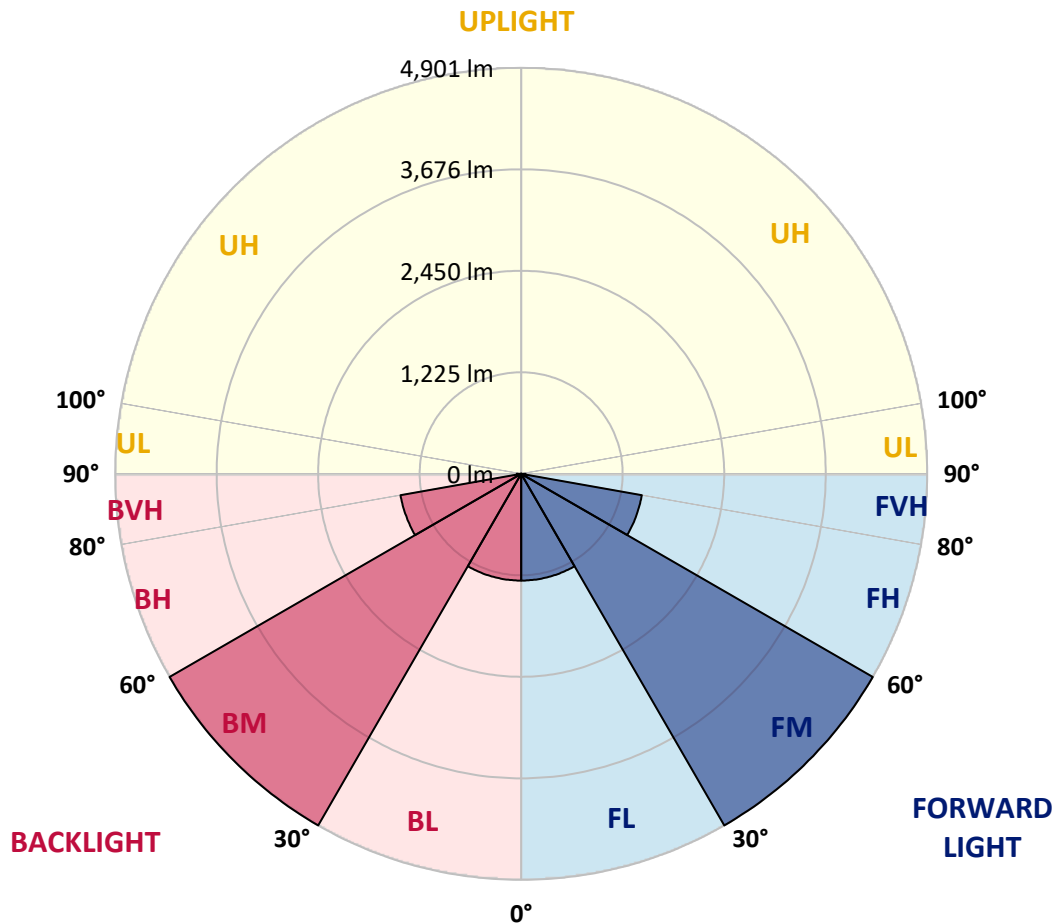
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1288.4	8.3			
FM	(30°-60°)	4900.9	31.7			
FH	(60°-80°)	1478.8	9.6			G1/1800
FVH	(80°-90°)	51.4	0.3			G1/100
BL	(0°-30°)	1288.4	8.3	B3/2500		
BM	(30°-60°)	4900.9	31.7	B3/5000		
BH	(60°-80°)	1478.8	9.6	B3/2500		G1/1800
BVH	(80°-90°)	51.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1	2982.1
2.5°	2964.3	2986.0	2970.2	2984.1	2982.1	2976.1	2966.2	2960.3	2952.4	2964.3	2944.5
5°	2952.4	2970.2	2988.0	2964.3	2964.3	2952.4	2946.5	2934.6	2934.6	2932.6	2930.6
7.5°	2972.2	2954.4	2946.5	2950.4	2954.4	2928.6	2946.5	2922.7	2902.9	2916.8	2932.6
10°	2954.4	2962.3	2932.6	2946.5	2924.7	2928.6	2916.8	2932.6	2910.8	2910.8	2910.8
12.5°	2972.2	2950.4	2960.3	2950.4	2944.5	2910.8	2926.7	2908.9	2906.9	2926.7	2908.9
15°	3007.8	2972.2	2964.3	2944.5	2950.4	2950.4	2934.6	2936.6	2914.8	2926.7	2930.6
17.5°	2995.9	2976.1	2970.2	2946.5	2966.2	2972.2	2942.5	2922.7	2936.6	2934.6	2932.6
20°	3005.8	3013.7	3007.8	3011.8	3019.7	3003.8	2976.1	2948.4	2930.6	2956.4	2954.4
22.5°	3069.1	3061.2	3057.3	3053.3	3067.2	3083.0	3045.4	3001.9	3001.9	3019.7	3027.6
25°	3120.6	3118.6	3116.6	3134.4	3181.9	3181.9	3134.4	3079.0	3065.2	3077.1	3067.2
27.5°	3195.8	3217.6	3209.6	3241.3	3310.6	3326.4	3263.1	3197.8	3160.2	3146.3	3164.1
30°	3367.9	3342.2	3348.2	3381.8	3443.1	3494.6	3397.6	3328.4	3276.9	3274.9	3282.9
32.5°	3482.7	3502.5	3520.3	3552.0	3648.9	3688.5	3571.8	3459.0	3427.3	3409.5	3415.4
35°	3712.3	3694.5	3690.5	3722.2	3819.1	3884.4	3738.0	3639.0	3597.5	3637.1	3637.1
37.5°	3929.9	3880.5	3842.9	3884.4	3973.5	3981.4	3856.7	3803.3	3781.5	3827.0	3825.1
40°	4032.8	4028.9	3941.8	3965.5	4084.3	4096.2	3979.4	3916.1	3912.1	3971.5	4030.8
42.5°	4139.7	4102.1	4015.0	4030.8	4104.1	4108.0	3997.2	3979.4	4022.9	4080.3	4084.3
45°	4157.5	4125.8	4070.4	4030.8	4084.3	4096.2	4030.8	4042.7	4046.7	4115.9	4115.9
47.5°	4193.1	4189.2	4157.5	4127.8	4137.7	4127.8	4086.3	4104.1	4163.4	4197.1	4181.2
50°	4292.1	4250.5	4282.2	4256.4	4258.4	4286.1	4248.5	4266.3	4254.5	4224.8	4205.0
52.5°	4509.7	4489.9	4517.6	4535.4	4555.2	4618.6	4575.0	4480.0	4391.0	4311.8	4309.9
55°	4828.3	4842.2	4895.6	4986.6	5063.8	5164.7	4955.0	4727.4	4584.9	4460.3	4468.2
57.5°	5129.1	5119.2	5192.4	5400.2	5625.8	5677.2	5265.6	4941.1	4709.6	4630.4	4596.8
59°	4887.7	4935.2	5101.4	5332.9	5687.1	5762.3	5224.1	4767.0	4521.6	4361.3	4389.0
60°	4507.7	4525.6	4674.0	4996.5	5475.4	5604.0	4945.1	4497.8	4171.3	4078.3	4119.9
62.5°	3185.9	3172.0	3278.9	3542.1	3971.5	4145.6	3676.6	3362.0	3156.2	3053.3	3077.1
65°	1693.9	1757.2	1800.7	1965.0	2192.5	2376.6	2182.6	2046.1	1931.3	1846.2	1844.3
67.5°	1143.8	1135.8	1145.7	1183.3	1260.5	1312.0	1308.0	1238.7	1228.8	1213.0	1230.8
70°	963.7	959.7	941.9	941.9	957.7	969.6	983.5	991.4	1007.2	1027.0	1025.0
72.5°	781.6	771.7	759.9	753.9	773.7	779.7	797.5	805.4	819.2	817.3	835.1
75°	516.5	516.5	530.3	546.2	552.1	564.0	565.9	589.7	589.7	593.6	577.8
77.5°	288.9	281.0	290.9	306.7	320.6	342.3	364.1	381.9	391.8	387.8	387.8
80°	168.2	168.2	178.1	195.9	213.7	233.5	249.3	263.2	273.1	269.1	261.2
82.5°	104.9	104.9	114.8	132.6	146.4	158.3	180.1	197.9	209.8	205.8	195.9
85°	53.4	53.4	65.3	77.2	95.0	102.9	100.9	93.0	91.0	81.1	81.1
87.5°	13.9	13.9	19.8	21.8	17.8	19.8	19.8	19.8	19.8	19.8	21.8
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)