

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: P532779

Luminaire Tested: **GALN-SA8A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18964 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 244
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



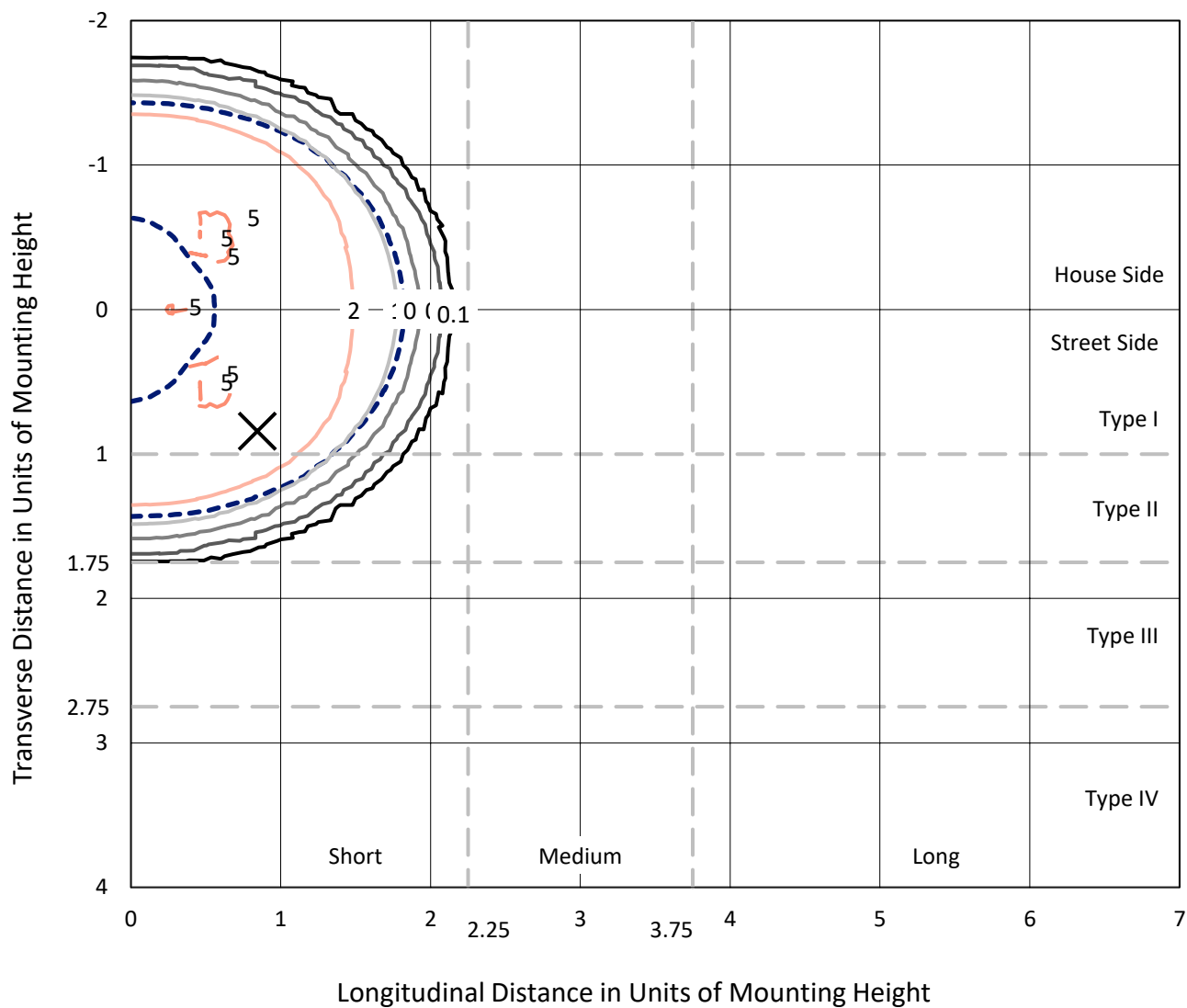
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

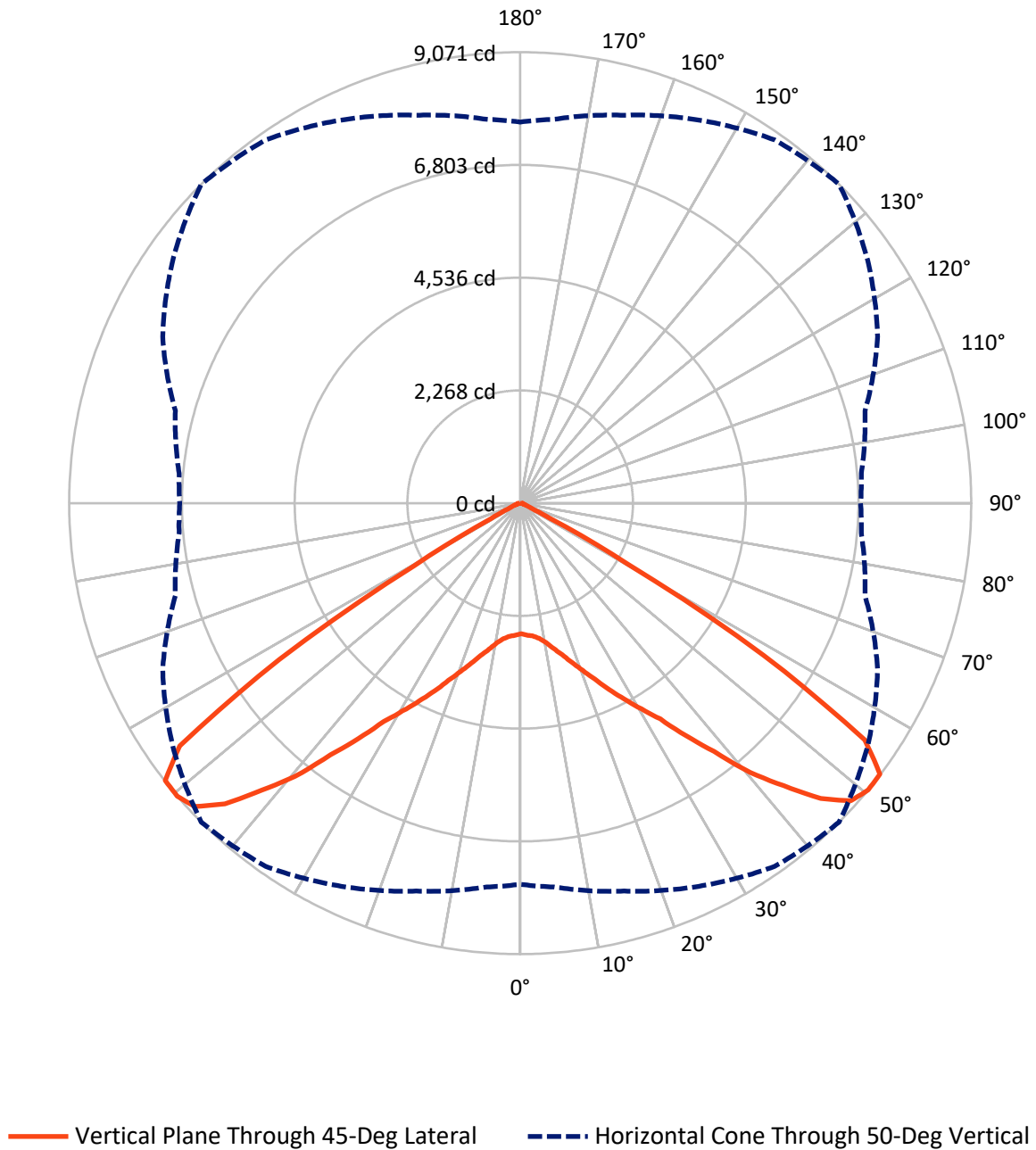


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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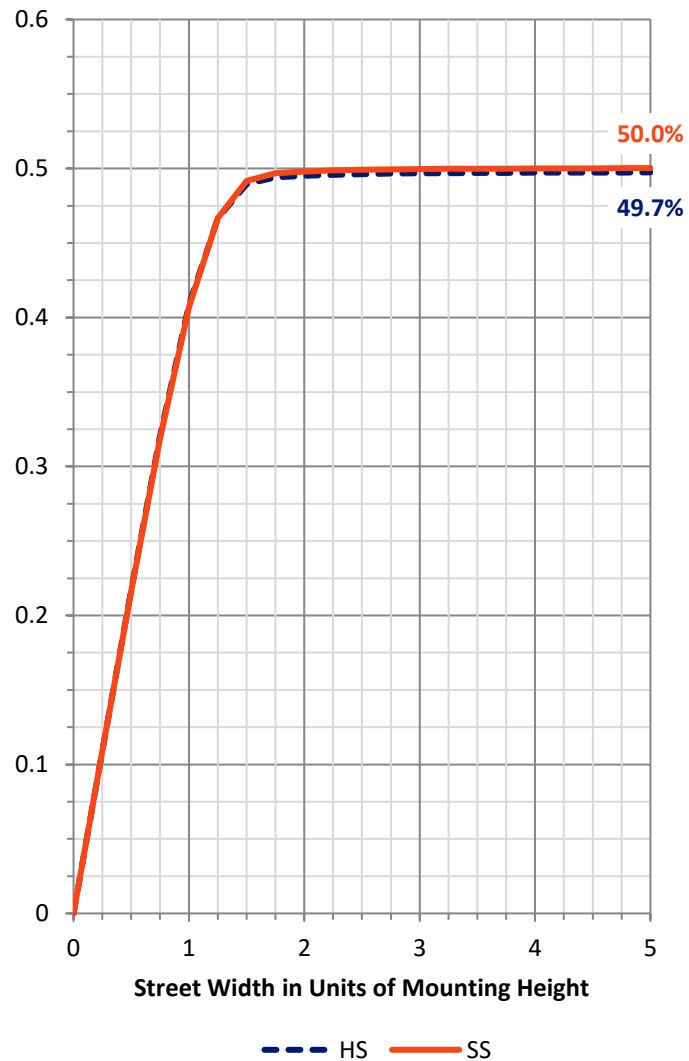
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9482.0	0.0	9482.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9482.0	0.0	9482.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18964.0	0.0	18964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.4
10°-20°	901.5	4.8
20°-30°	1841.2	9.7
30°-40°	3511.2	18.5
40°-50°	5916.8	31.2
50°-60°	5642.7	29.8
60°-70°	787.7	4.2
70°-80°	75.3	0.4
80°-90°	26.0	0.1
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°	18964.0	100.0
0°-180°	18964.0	100.0

Coefficient of Utilization



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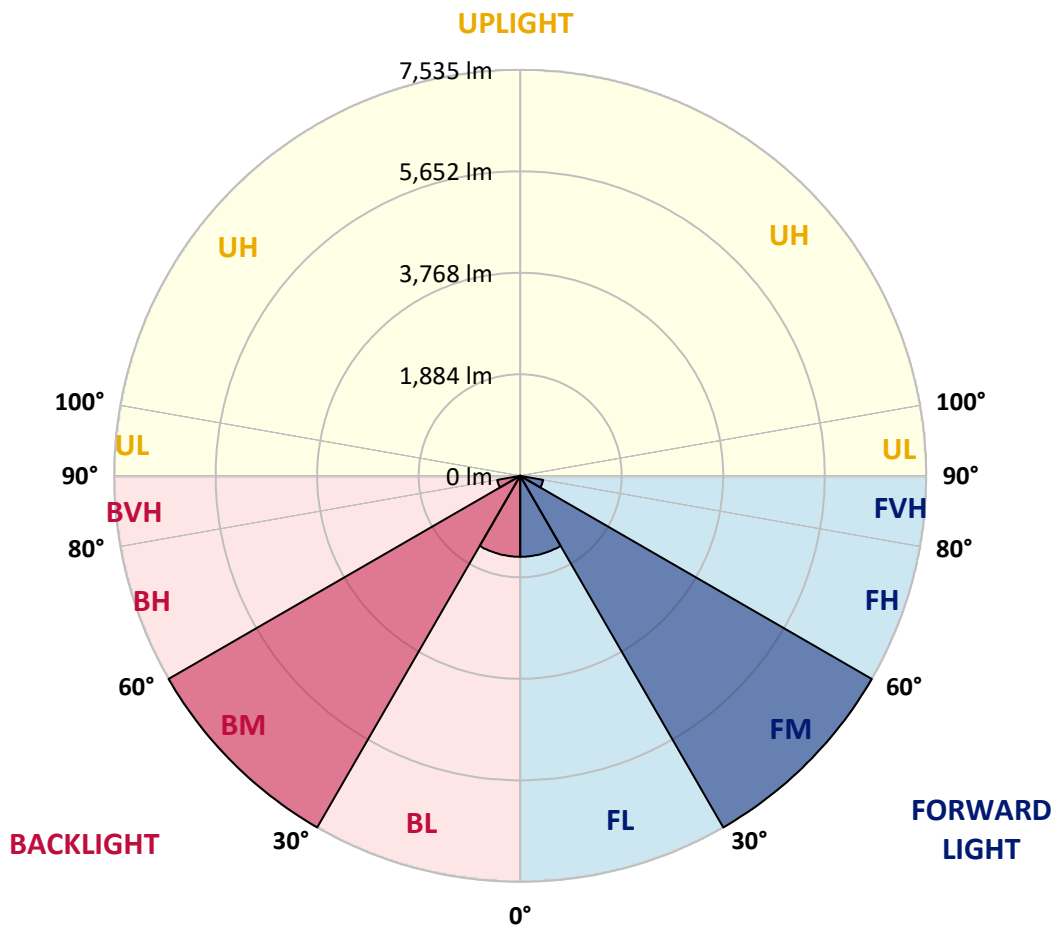
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1502.1	7.9			
FM	(30°-60°)	7535.4	39.7			
FH	(60°-80°)	431.5	2.3			G0/660
FVH	(80°-90°)	13.0	0.1			G1/100
BL	(0°-30°)	1502.1	7.9	B3/2500		
BM	(30°-60°)	7535.4	39.7	B4/8500		
BH	(60°-80°)	431.5	2.3	B1/500		G0/660
BVH	(80°-90°)	13.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1
2.5°	2619.6	2619.6	2616.4	2641.9	2629.1	2657.9	2654.7	2664.2	2673.8	2670.6	2696.2
5°	2597.2	2594.1	2594.1	2622.8	2651.5	2683.4	2712.1	2731.3	2763.2	2763.2	2795.1
7.5°	2619.6	2603.6	2626.0	2638.7	2693.0	2747.2	2795.1	2833.4	2906.7	2932.3	2922.7
10°	2626.0	2645.1	2661.1	2699.3	2766.4	2849.3	2890.8	2986.5	3069.5	3126.9	3139.7
12.5°	2667.4	2696.2	2740.8	2833.4	2894.0	3002.5	3059.9	3152.4	3267.3	3331.1	3375.8
15°	2747.2	2756.8	2814.2	2932.3	3063.1	3162.0	3251.3	3318.3	3430.0	3503.4	3506.6
17.5°	2849.3	2890.8	2970.6	3082.2	3219.4	3366.2	3436.4	3509.8	3551.3	3650.2	3672.5
20°	3053.5	3059.9	3136.5	3283.2	3455.5	3589.6	3640.6	3678.9	3662.9	3765.0	3784.2
22.5°	3245.0	3251.3	3347.1	3544.9	3729.9	3844.8	3867.1	3844.8	3797.0	3870.3	3876.7
25°	3439.6	3497.0	3567.2	3765.0	3994.8	4147.9	4151.1	4090.5	3991.6	4004.3	4036.3
27.5°	3742.7	3784.2	3857.6	4039.4	4291.5	4463.8	4435.1	4361.7	4234.1	4243.7	4234.1
30°	4096.9	4135.2	4195.8	4428.7	4613.8	4802.0	4843.5	4773.3	4581.9	4540.4	4588.2
32.5°	4524.4	4578.7	4690.4	4904.1	5060.5	5175.3	5204.1	5178.5	4999.9	4983.9	5015.8
35°	5044.5	5117.9	5220.0	5408.3	5535.9	5743.3	5743.3	5657.1	5494.4	5513.6	5510.4
37.5°	5593.3	5701.8	5861.3	6052.8	6225.1	6336.8	6301.7	6228.3	6065.6	6024.1	6065.6
40°	6282.5	6336.8	6537.8	6786.7	6997.2	7124.9	6974.9	6815.4	6426.1	6486.7	6598.4
42.5°	6911.1	6997.2	7150.4	7424.8	7664.1	7769.4	7590.7	7274.8	6805.8	6757.9	6840.9
45°	7447.1	7539.7	7740.7	8133.1	8385.2	8477.7	8082.1	7571.6	7035.5	6914.3	6949.4
47.5°	7804.5	7852.4	8133.1	8506.4	8736.2	8946.8	8378.8	7775.8	7144.0	6914.3	6901.5
50°	7667.3	7750.2	8078.9	8503.3	8921.2	9071.2	8528.8	7932.1	7179.1	6885.6	6847.3
52.5°	6809.0	6952.6	7319.5	7890.6	8522.4	9058.4	8736.2	7881.1	7166.3	6914.3	6971.7
55°	4738.2	4741.4	5188.1	6030.5	7147.2	8410.7	8433.1	7938.5	7249.3	7093.0	7096.2
57.5°	1904.9	2000.6	2342.0	3187.5	4218.1	5775.2	6866.4	7364.2	7258.9	7220.6	7319.5
60°	481.8	485.0	590.3	899.8	1483.7	2476.0	3595.9	4865.8	5602.9	5855.0	5890.1
62.5°	245.7	248.9	274.4	319.1	405.2	663.7	1180.6	1873.0	2664.2	3066.3	3171.6
65°	201.0	201.0	217.0	239.3	242.5	255.3	306.3	437.1	635.0	721.1	730.7
67.5°	153.2	153.2	165.9	178.7	185.1	181.9	175.5	181.9	220.2	210.6	204.2
70°	95.7	98.9	105.3	118.1	124.4	127.6	130.8	137.2	156.3	162.7	156.3
72.5°	57.4	57.4	60.6	70.2	79.8	86.1	95.7	102.1	111.7	127.6	124.4
75°	25.5	25.5	31.9	41.5	51.1	60.6	70.2	79.8	86.1	95.7	98.9
77.5°	6.4	9.6	16.0	28.7	38.3	51.1	63.8	73.4	79.8	79.8	76.6
80°	3.2	3.2	12.8	22.3	41.5	54.2	70.2	76.6	86.1	79.8	70.2
82.5°	3.2	3.2	12.8	22.3	38.3	54.2	73.4	83.0	89.3	79.8	67.0
85°	0.0	3.2	9.6	19.1	31.9	38.3	31.9	22.3	12.8	12.8	9.6
87.5°	0.0	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)