

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: P533533

Luminaire Tested: **GALN-SA9A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533533
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-SA9A-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 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: 22407 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

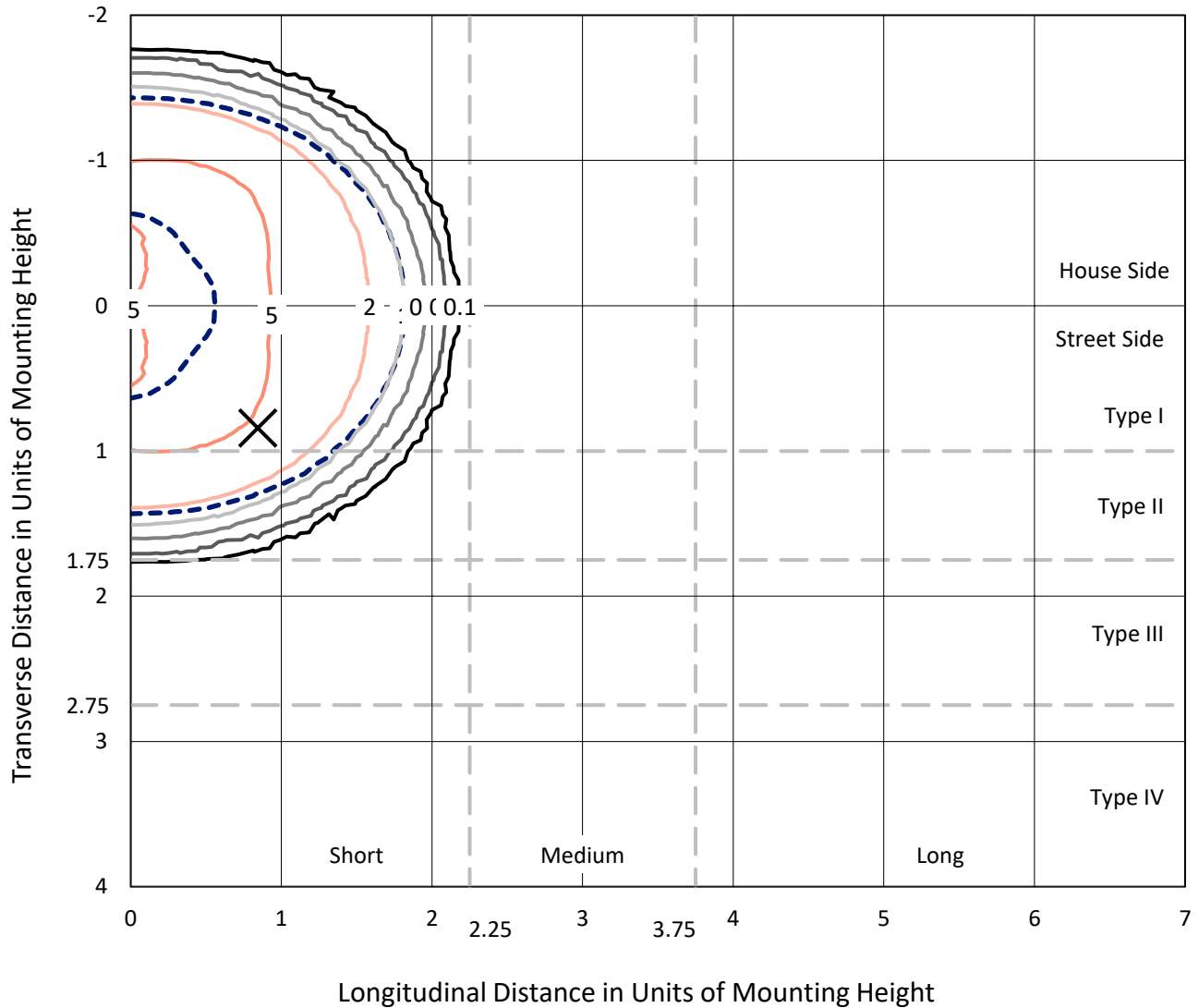
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

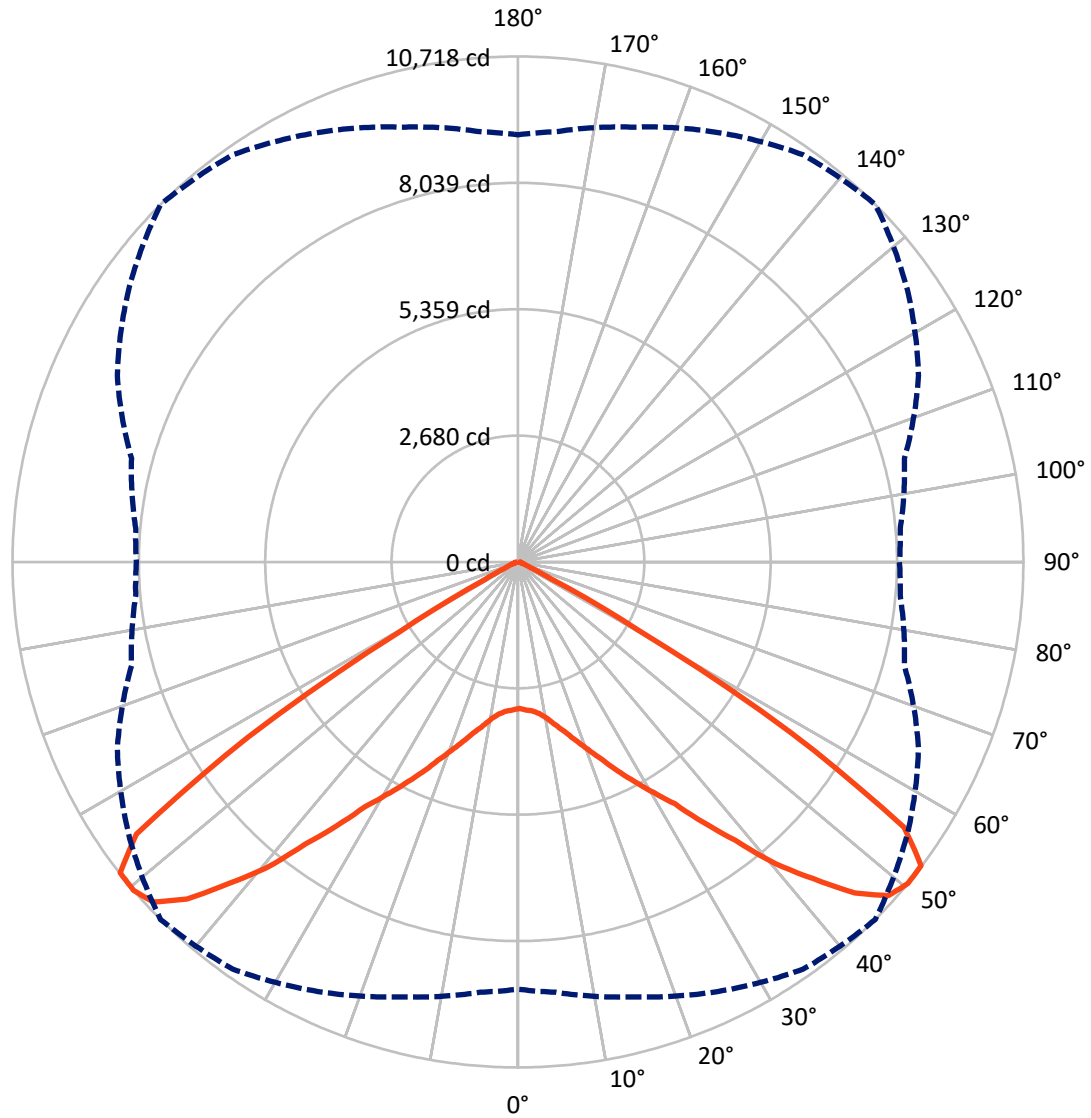
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11203.5	0.0	11203.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11203.5	0.0	11203.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22407.0	0.0	22407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	1.4
10°-20°	1065.2	4.8
20°-30°	2175.5	9.7
30°-40°	4148.6	18.5
40°-50°	6991.0	31.2
50°-60°	6667.2	29.8
60°-70°	930.7	4.2
70°-80°	89.0	0.4
80°-90°	30.8	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°	22407.0	100.0
0°-180°	22407.0	100.0

Coefficient of Utilization



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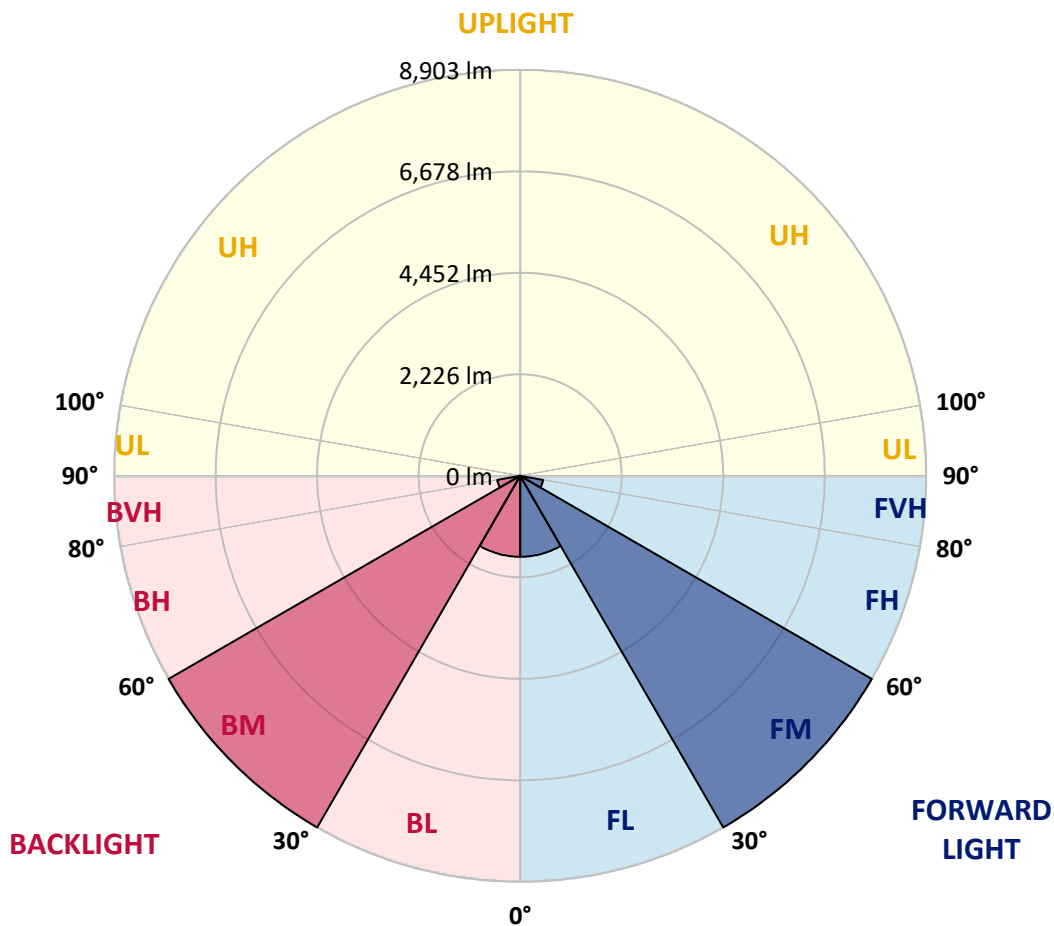
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1774.8	7.9			
FM (30°-60°)	8903.4	39.7			
FH (60°-80°)	509.9	2.3			G0/660
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	1774.8	7.9	B3/2500		
BM (30°-60°)	8903.4	39.7	B5		
BH (60°-80°)	509.9	2.3	B2/1000		G0/660
BVH (80°-90°)	15.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5	3106.5
2.5°	3095.2	3095.2	3091.4	3121.6	3106.5	3140.4	3136.6	3148.0	3159.3	3155.5	3185.7
5°	3068.8	3065.0	3065.0	3098.9	3132.9	3170.6	3204.5	3227.1	3264.8	3264.8	3302.5
7.5°	3095.2	3076.3	3102.7	3117.8	3181.9	3246.0	3302.5	3347.8	3434.5	3464.6	3453.3
10°	3102.7	3125.3	3144.2	3189.4	3268.6	3366.6	3415.6	3528.7	3626.7	3694.6	3709.7
12.5°	3151.7	3185.7	3238.4	3347.8	3419.4	3547.6	3615.4	3724.8	3860.5	3935.9	3988.7
15°	3246.0	3257.3	3325.1	3464.6	3619.2	3736.1	3841.6	3920.8	4052.8	4139.5	4143.2
17.5°	3366.6	3415.6	3509.9	3641.8	3803.9	3977.4	4060.3	4147.0	4196.0	4312.9	4339.3
20°	3607.9	3615.4	3705.9	3879.3	4082.9	4241.3	4301.6	4346.8	4328.0	4448.6	4471.2
22.5°	3834.1	3841.6	3954.7	4188.5	4407.1	4542.9	4569.2	4542.9	4486.3	4573.0	4580.6
25°	4064.1	4131.9	4214.9	4448.6	4720.0	4901.0	4904.8	4833.1	4716.3	4731.4	4769.1
27.5°	4422.2	4471.2	4557.9	4772.8	5070.7	5274.2	5240.3	5153.6	5002.8	5014.1	5002.8
30°	4840.7	4885.9	4957.6	5232.8	5451.4	5673.9	5722.9	5639.9	5413.7	5364.7	5421.3
32.5°	5345.9	5410.0	5541.9	5794.5	5979.2	6114.9	6148.9	6118.7	5907.6	5888.7	5926.4
35°	5960.4	6047.1	6167.7	6390.2	6541.0	6786.0	6786.0	6684.2	6491.9	6514.6	6510.8
37.5°	6608.8	6737.0	6925.5	7151.7	7355.3	7487.2	7445.8	7359.0	7166.8	7117.8	7166.8
40°	7423.1	7487.2	7724.7	8018.8	8267.6	8418.4	8241.2	8052.7	7592.8	7664.4	7796.4
42.5°	8165.8	8267.6	8448.6	8772.8	9055.6	9180.0	8968.8	8595.6	8041.4	7984.9	8082.9
45°	8799.2	8908.5	9146.0	9609.7	9907.6	10016.9	9549.4	8946.2	8312.9	8169.6	8211.1
47.5°	9221.4	9278.0	9609.7	10050.8	10322.3	10571.1	9900.0	9187.5	8441.0	8169.6	8154.5
50°	9059.3	9157.3	9545.7	10047.1	10540.9	10718.1	10077.2	9372.2	8482.5	8135.7	8090.4
52.5°	8045.2	8214.8	8648.4	9323.2	10069.7	10703.0	10322.3	9311.9	8467.4	8169.6	8237.5
55°	5598.5	5602.2	6130.0	7125.3	8444.8	9937.7	9964.1	9379.8	8565.5	8380.7	8384.5
57.5°	2250.7	2363.8	2767.2	3766.2	4983.9	6823.7	8113.1	8701.2	8576.8	8531.5	8648.4
60°	569.3	573.0	697.5	1063.1	1753.1	2925.5	4248.8	5749.3	6620.1	6918.0	6959.4
62.5°	290.3	294.1	324.2	377.0	478.8	784.2	1394.9	2213.0	3148.0	3623.0	3747.4
65°	237.5	237.5	256.4	282.8	286.5	301.6	361.9	516.5	750.2	852.0	863.3
67.5°	181.0	181.0	196.0	211.1	218.7	214.9	207.4	214.9	260.1	248.8	241.3
70°	113.1	116.9	124.4	139.5	147.0	150.8	154.6	162.1	184.7	192.3	184.7
72.5°	67.9	67.9	71.6	82.9	94.3	101.8	113.1	120.6	132.0	150.8	147.0
75°	30.2	30.2	37.7	49.0	60.3	71.6	82.9	94.3	101.8	113.1	116.9
77.5°	7.5	11.3	18.9	33.9	45.2	60.3	75.4	86.7	94.3	94.3	90.5
80°	3.8	3.8	15.1	26.4	49.0	64.1	82.9	90.5	101.8	94.3	82.9
82.5°	3.8	3.8	15.1	26.4	45.2	64.1	86.7	98.0	105.6	94.3	79.2
85°	0.0	3.8	11.3	22.6	37.7	45.2	37.7	26.4	15.1	15.1	11.3
87.5°	0.0	0.0	3.8	3.8	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)