

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: P455734

Luminaire Tested: **GALN-SA7A-722-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455734
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: MCGRAW-EDISON
Catalog Number: GALN-SA7A-722-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24158 lumens
Efficiency: N/A
Efficacy: 112.4 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

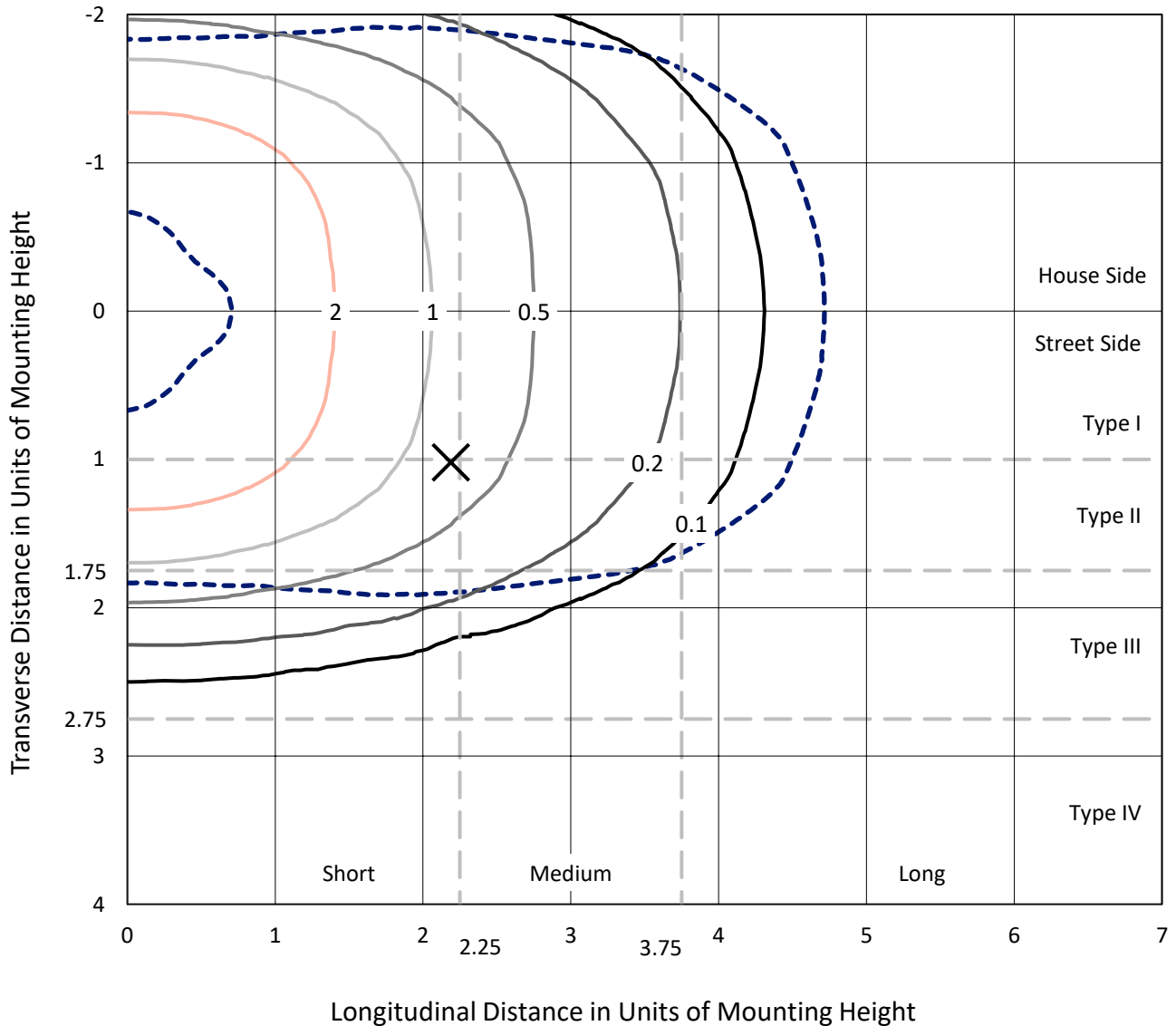
Input Watts (W): 215
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

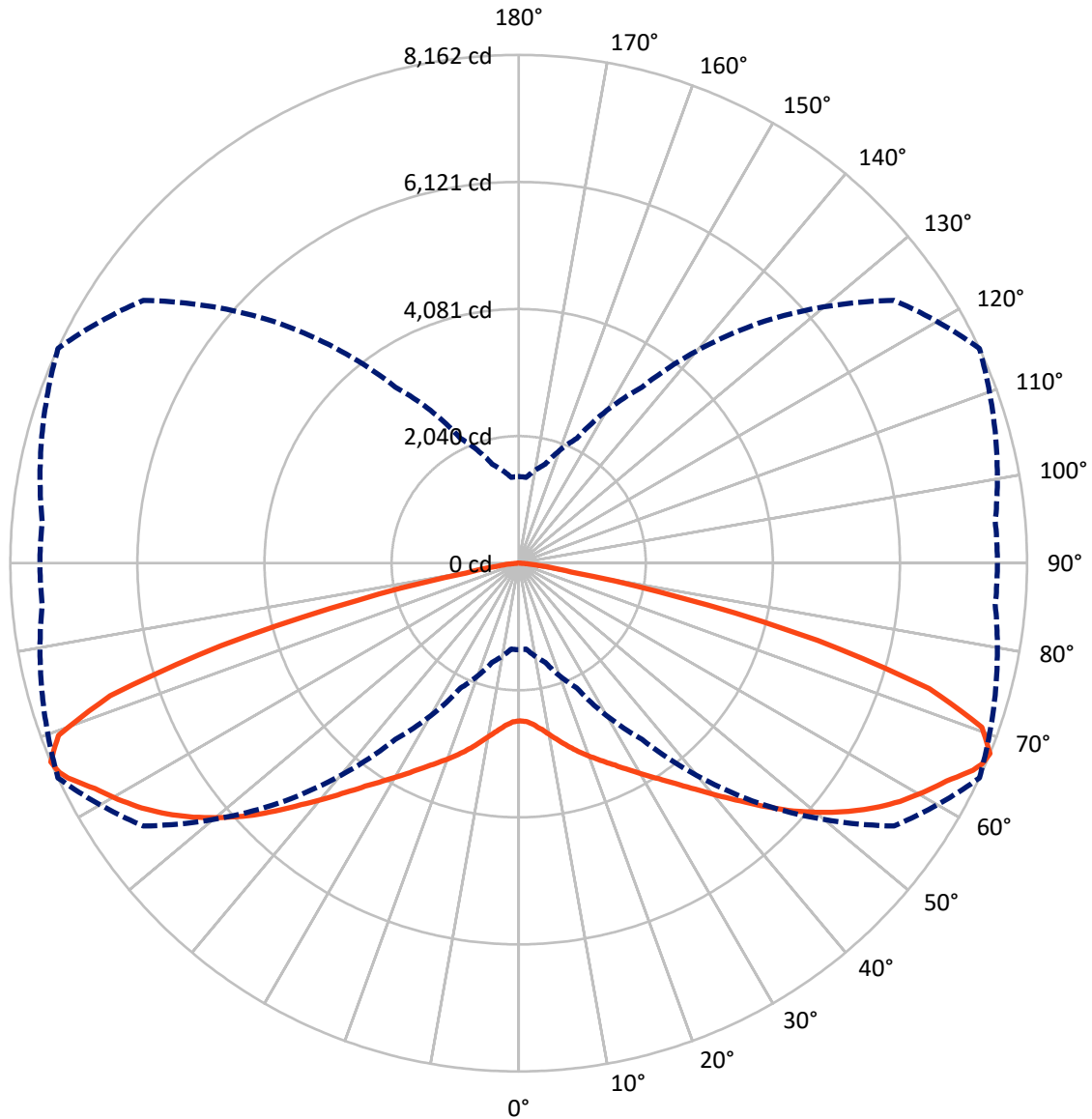
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	12079.0	0.0	12079.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12079.0	0.0	12079.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24158.0	0.0	24158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	1.0
10°-20°	835.3	3.5
20°-30°	1633.8	6.8
30°-40°	2778.9	11.5
40°-50°	4398.2	18.2
50°-60°	5831.9	24.1
60°-70°	5501.3	22.8
70°-80°	2719.6	11.3
80°-90°	209.6	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°	24158.0	100.0
0°-180°	24158.0	100.0

Coefficient of Utilization



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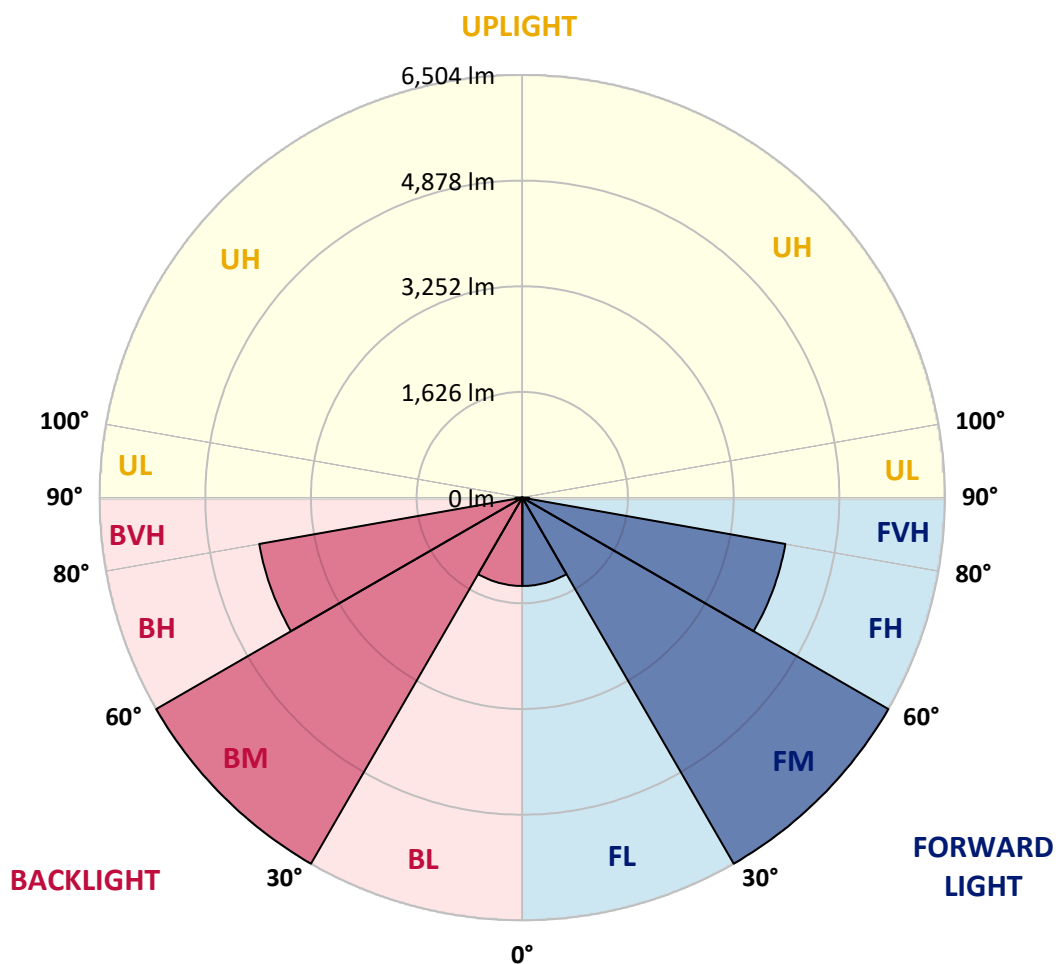
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1359.3	5.6			
FM	(30°-60°)	6504.5	26.9			
FH	(60°-80°)	4110.4	17.0			G2/5000
FVH	(80°-90°)	104.8	0.4			G2/225
BL	(0°-30°)	1359.3	5.6	B3/2500		
BM	(30°-60°)	6504.5	26.9	B4/8500		
BH	(60°-80°)	4110.4	17.0	B4/5000		G4/5000
BVH	(80°-90°)	104.8	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°	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3
2.5°	2517.4	2520.0	2522.6	2526.5	2531.6	2539.4	2544.6	2548.5	2558.8	2560.1	2558.8
5°	2508.3	2510.9	2517.4	2529.0	2545.9	2569.2	2587.3	2609.3	2626.1	2637.8	2635.2
7.5°	2507.0	2512.2	2522.6	2547.2	2579.5	2619.6	2661.1	2698.6	2731.0	2756.8	2753.0
10°	2527.7	2534.2	2551.0	2587.3	2637.8	2696.0	2754.2	2809.9	2856.5	2890.2	2901.8
12.5°	2562.7	2567.9	2598.9	2653.3	2725.8	2798.3	2864.3	2932.9	2997.6	3054.5	3054.5
15°	2623.5	2632.6	2671.4	2750.4	2839.7	2923.8	2991.1	3063.6	3133.5	3198.2	3217.6
17.5°	2707.7	2720.6	2778.8	2879.8	2993.7	3071.4	3134.8	3194.3	3255.1	3317.3	3326.3
20°	2822.8	2835.8	2913.4	3035.1	3169.7	3262.9	3305.6	3319.9	3349.6	3409.2	3416.9
22.5°	2979.5	2992.4	3079.1	3216.3	3366.4	3467.4	3485.5	3451.9	3444.1	3490.7	3495.9
25°	3156.8	3168.4	3268.1	3415.6	3570.9	3681.0	3675.8	3592.9	3546.4	3574.8	3582.6
27.5°	3356.1	3372.9	3473.9	3626.6	3794.9	3891.9	3876.4	3756.0	3656.4	3651.2	3653.8
30°	3611.1	3629.2	3725.0	3871.2	4036.9	4126.2	4093.8	3932.1	3778.0	3726.3	3726.3
32.5°	3880.3	3925.6	4022.7	4175.4	4304.8	4369.5	4320.3	4126.2	3921.7	3849.2	3845.3
35°	4231.0	4255.6	4351.4	4500.2	4597.3	4647.8	4553.3	4344.9	4109.4	4023.9	4012.3
37.5°	4574.0	4594.7	4706.0	4848.4	4966.2	4963.6	4835.5	4605.1	4342.3	4246.6	4238.8
40°	4924.8	4946.8	5073.6	5204.3	5322.1	5311.8	5156.5	4898.9	4619.3	4511.9	4532.6
42.5°	5228.9	5253.5	5397.2	5583.6	5689.7	5687.1	5507.2	5217.3	4926.1	4830.3	4848.4
45°	5505.9	5527.9	5694.9	5908.4	6063.7	6083.2	5886.4	5579.7	5280.7	5157.7	5162.9
47.5°	5701.3	5742.8	5917.5	6162.1	6373.1	6441.7	6248.8	5948.6	5604.3	5476.1	5483.9
50°	5850.2	5876.1	6066.3	6344.6	6611.2	6753.6	6598.3	6290.3	5927.8	5791.9	5810.1
52.5°	5868.3	5899.4	6106.5	6427.4	6769.1	6985.3	6908.9	6624.2	6257.9	6118.1	6156.9
55°	5720.8	5738.9	5986.1	6375.7	6831.3	7157.4	7176.8	6934.8	6572.4	6466.3	6492.2
57.5°	5300.1	5346.7	5659.9	6133.6	6745.8	7249.3	7377.5	7217.0	6890.8	6786.0	6827.4
60°	4610.3	4656.9	4971.4	5571.9	6423.6	7206.6	7543.1	7466.8	7179.4	7095.3	7117.3
62.5°	3612.4	3608.5	3998.1	4734.5	5782.9	6996.9	7666.1	7707.5	7464.2	7358.0	7391.7
65°	2341.4	2353.0	2729.7	3523.1	4816.1	6463.7	7693.3	8014.2	7743.7	7583.2	7607.8
66°	1883.2	1918.1	2237.8	2969.1	4322.9	6114.2	7611.7	8104.8	7829.2	7635.0	7646.7
67.5°	1390.1	1383.6	1646.3	2210.6	3451.9	5450.3	7356.7	8161.8	7926.2	7681.6	7686.8
70°	793.4	792.1	885.3	1214.0	2029.4	3837.6	6200.9	7888.7	8123.0	7849.9	7835.6
72.5°	579.8	576.0	588.9	670.4	990.1	1937.6	4277.6	6894.7	8022.0	7822.7	7782.6
75°	486.7	484.1	481.5	491.8	555.3	877.5	2270.2	4959.7	6960.7	7342.5	7301.1
77.5°	397.3	397.3	398.6	396.1	398.6	462.1	940.9	2658.5	4238.8	4731.9	4847.1
80°	310.6	309.3	331.3	322.3	301.6	296.4	416.8	855.5	1406.9	1399.1	1154.5
82.5°	229.1	213.6	252.4	245.9	222.6	189.0	243.3	365.0	469.8	305.5	226.5
85°	145.0	143.7	178.6	163.1	135.9	89.3	116.5	156.6	194.1	117.8	95.8
87.5°	25.9	24.6	56.9	41.4	41.4	25.9	32.4	42.7	63.4	44.0	32.4
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)