

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: P454802

Luminaire Tested: **GALN-SA6A-722-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20805 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

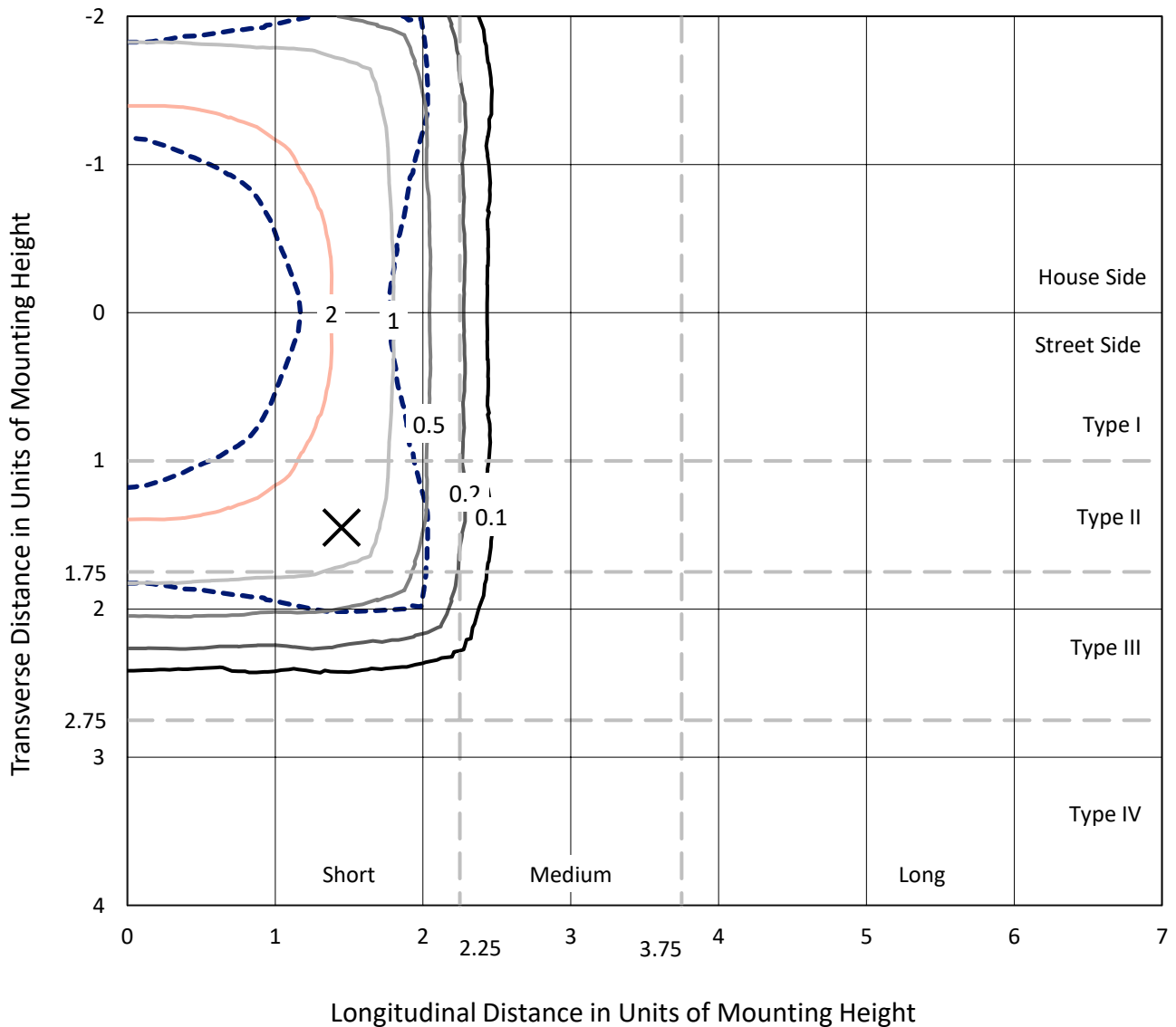
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

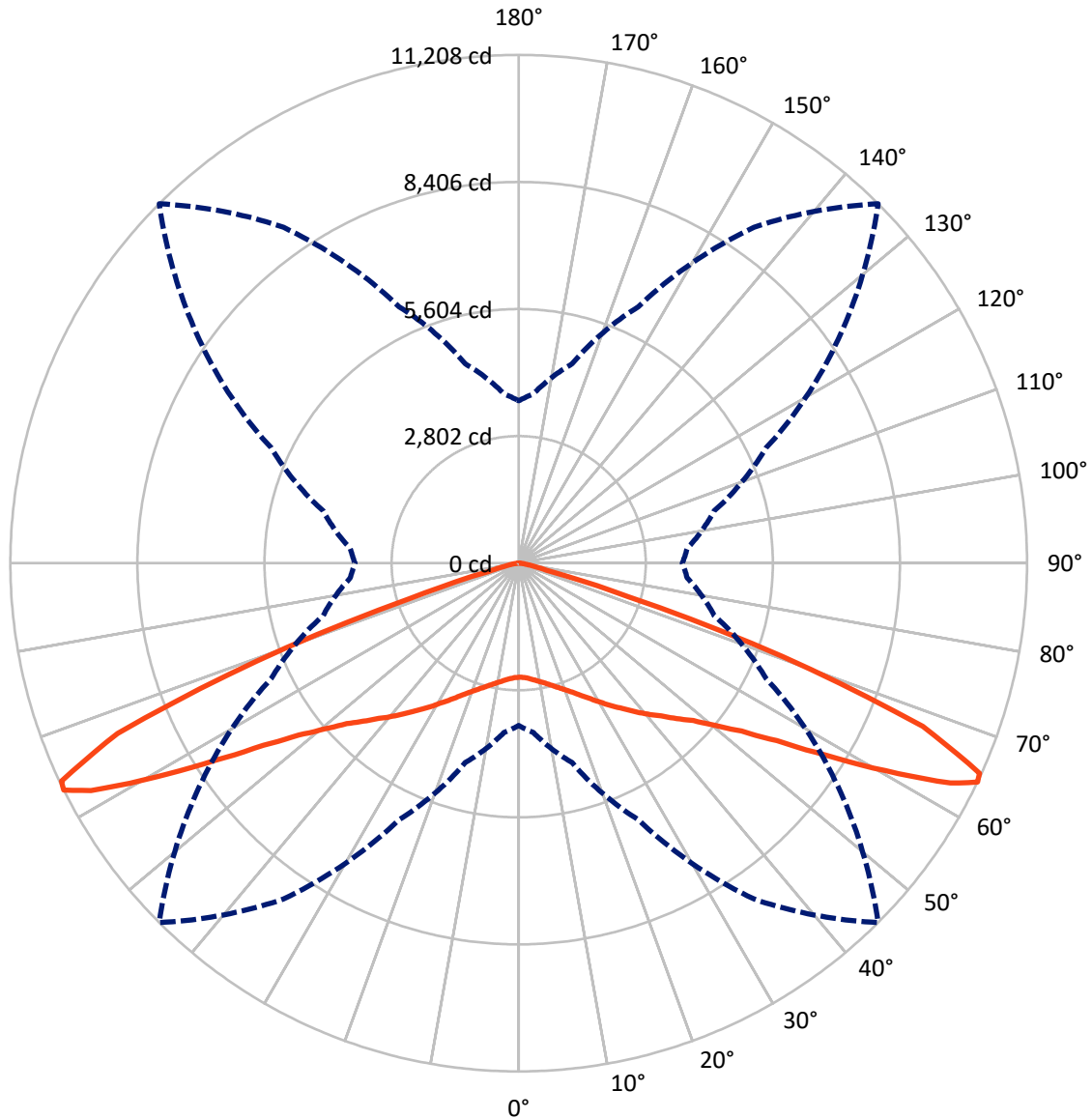
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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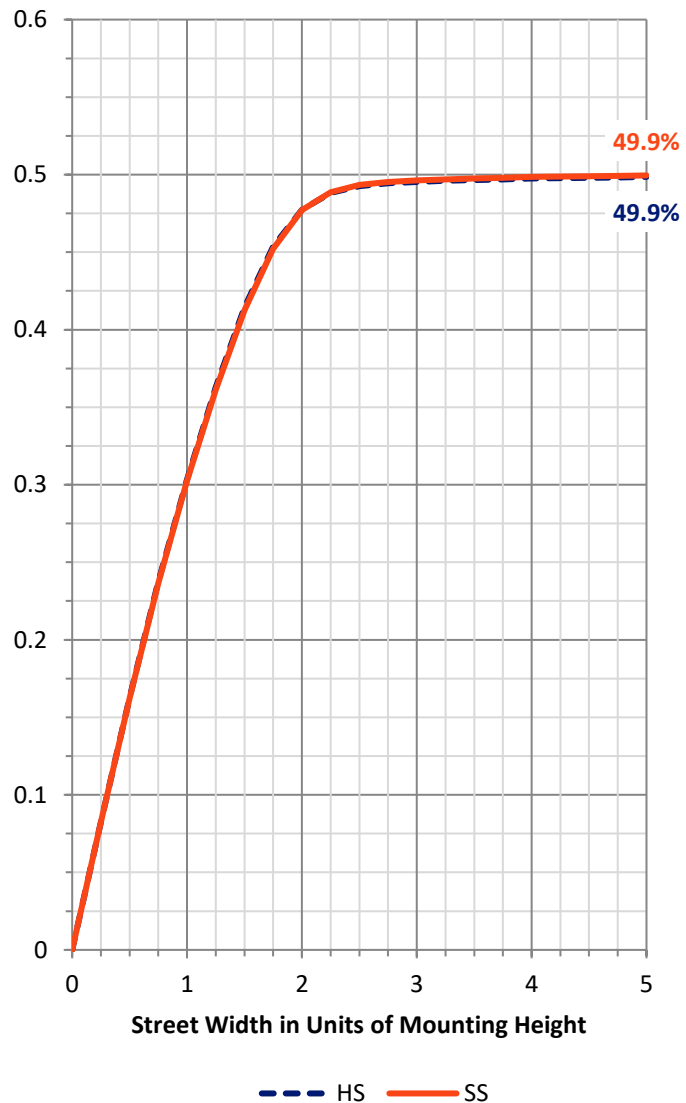
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10402.5	0.0	10402.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10402.5	0.0	10402.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20805.0	0.0	20805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	1.2
10°-20°	796.9	3.8
20°-30°	1505.9	7.2
30°-40°	2493.9	12.0
40°-50°	3893.4	18.7
50°-60°	6019.1	28.9
60°-70°	5190.2	24.9
70°-80°	588.2	2.8
80°-90°	70.5	0.3
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°	20805.0	100.0
0°-180°	20805.0	100.0

Coefficient of Utilization



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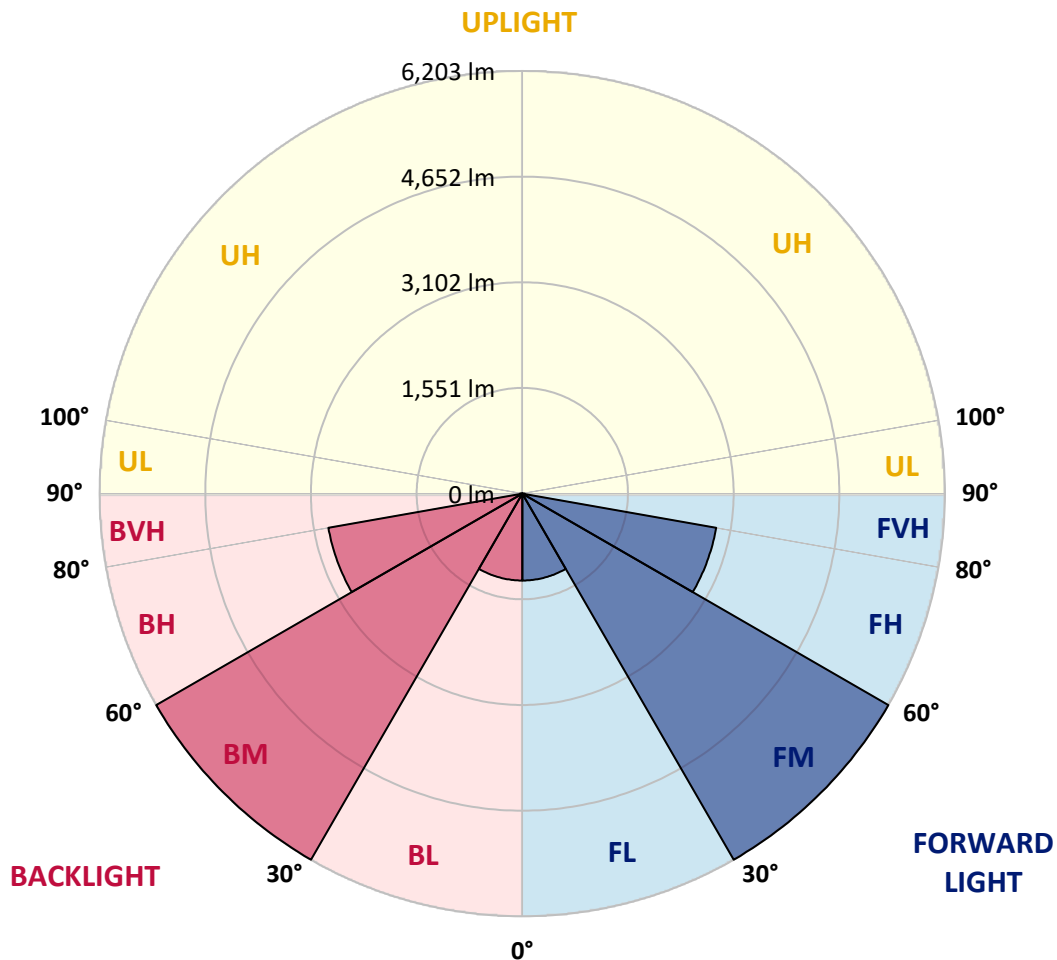
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1274.9	6.1			
FM	(30°-60°)	6203.2	29.8			
FH	(60°-80°)	2889.2	13.9			G2/5000
FVH	(80°-90°)	35.2	0.2			G1/100
BL	(0°-30°)	1274.9	6.1	B3/2500		
BM	(30°-60°)	6203.2	29.8	B4/8500		
BH	(60°-80°)	2889.2	13.9	B4/5000		G2/5000
BVH	(80°-90°)	35.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6	2514.6
2.5°	2524.6	2530.1	2525.7	2524.6	2523.4	2523.4	2523.4	2524.6	2529.0	2532.3	2530.1
5°	2556.5	2560.9	2558.7	2557.6	2556.5	2557.6	2555.4	2554.3	2557.6	2557.6	2556.5
7.5°	2596.2	2601.7	2599.5	2601.7	2602.8	2603.9	2598.4	2594.0	2592.9	2596.2	2594.0
10°	2650.2	2654.6	2655.7	2656.8	2659.0	2657.9	2651.3	2643.6	2642.5	2641.4	2640.3
12.5°	2710.8	2714.1	2715.2	2719.6	2722.9	2724.0	2716.3	2709.7	2698.7	2700.9	2696.5
15°	2779.1	2785.7	2784.6	2791.2	2800.0	2802.2	2794.5	2783.5	2773.6	2768.1	2764.8
17.5°	2862.8	2867.3	2865.1	2871.7	2882.7	2888.2	2881.6	2867.3	2857.3	2845.2	2838.6
20°	2962.0	2969.7	2971.9	2971.9	2981.9	2987.4	2977.5	2973.0	2957.6	2948.8	2943.3
22.5°	3074.4	3077.7	3084.3	3091.0	3100.9	3098.7	3095.4	3088.7	3074.4	3066.7	3057.9
25°	3201.1	3204.5	3221.0	3235.3	3238.6	3236.4	3232.0	3228.7	3215.5	3197.8	3191.2
27.5°	3348.8	3355.4	3377.5	3390.7	3390.7	3391.8	3383.0	3394.0	3365.3	3344.4	3342.2
30°	3533.9	3538.3	3557.1	3570.3	3563.7	3558.2	3556.0	3567.0	3536.1	3498.7	3489.9
32.5°	3716.9	3732.3	3748.8	3777.5	3754.3	3744.4	3742.2	3749.9	3714.7	3672.8	3660.7
35°	3913.0	3924.0	3954.9	3979.1	3958.2	3935.0	3945.0	3969.2	3927.3	3871.1	3868.9
37.5°	4130.1	4140.0	4179.7	4205.0	4189.6	4149.9	4166.4	4195.1	4153.2	4083.8	4069.5
40°	4356.0	4376.9	4426.5	4453.0	4427.6	4374.7	4405.6	4436.4	4399.0	4318.5	4286.6
42.5°	4609.4	4642.5	4714.1	4727.3	4678.9	4607.2	4661.2	4710.8	4684.4	4591.8	4579.7
45°	4905.9	4925.7	5013.8	5042.5	4975.3	4886.0	4953.2	5043.6	5023.8	4916.9	4893.7
47.5°	5237.5	5256.3	5347.7	5390.7	5305.9	5185.7	5307.0	5424.9	5412.7	5298.1	5287.1
50°	5629.8	5634.2	5761.0	5809.4	5724.6	5621.0	5729.0	5875.6	5827.1	5680.5	5678.3
52.5°	6059.6	6065.1	6224.9	6318.5	6271.2	6154.4	6282.2	6371.4	6248.0	6056.3	6042.0
55°	6432.0	6459.6	6677.8	6926.8	6991.8	6907.0	6945.5	6903.7	6599.5	6330.7	6288.8
57.5°	6584.1	6638.1	6969.8	7434.8	7858.0	7983.6	7686.1	7287.1	6739.5	6359.3	6318.5
60°	6212.8	6271.2	6785.8	7668.4	8748.3	9293.8	8457.4	7352.2	6421.0	5886.6	5822.7
62.5°	4975.3	4991.8	5748.8	7118.6	9267.3	10680.0	8782.5	6797.9	5494.3	4768.1	4742.8
64°	3580.2	3749.9	4552.1	6241.4	9040.3	11207.9	8595.2	6021.0	4462.9	3727.9	3608.9
65°	2677.7	2724.0	3669.5	5330.1	8640.3	11168.2	8231.5	5278.3	3695.9	2852.9	2720.7
67.5°	1011.6	1017.1	1354.3	2656.8	6151.0	9608.9	6282.2	2871.7	1557.0	1126.2	1085.4
70°	419.8	427.6	497.0	893.7	2643.6	6169.8	3029.2	1035.8	569.7	461.7	455.1
72.5°	307.4	311.8	332.8	396.7	813.2	2533.4	996.2	439.7	333.9	298.6	295.3
75°	241.3	243.5	259.0	292.0	379.1	701.9	414.3	301.9	254.5	229.2	227.0
77.5°	184.0	189.5	200.6	222.6	254.5	332.8	274.4	225.9	196.1	175.2	171.9
80°	126.7	133.3	154.3	163.1	170.8	216.0	187.3	170.8	153.2	127.8	120.1
82.5°	78.2	82.6	103.6	111.3	108.0	121.2	120.1	122.3	109.1	79.3	73.8
85°	40.8	43.0	56.2	58.4	54.0	49.6	61.7	71.6	67.2	45.2	44.1
87.5°	8.8	9.9	12.1	11.0	12.1	12.1	15.4	23.1	24.2	15.4	14.3
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)