

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: P531739

Luminaire Tested: **GALN-SA7A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531739
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-SA7A-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 20584 lumens
Efficiency: N/A
Efficacy: 95.7 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

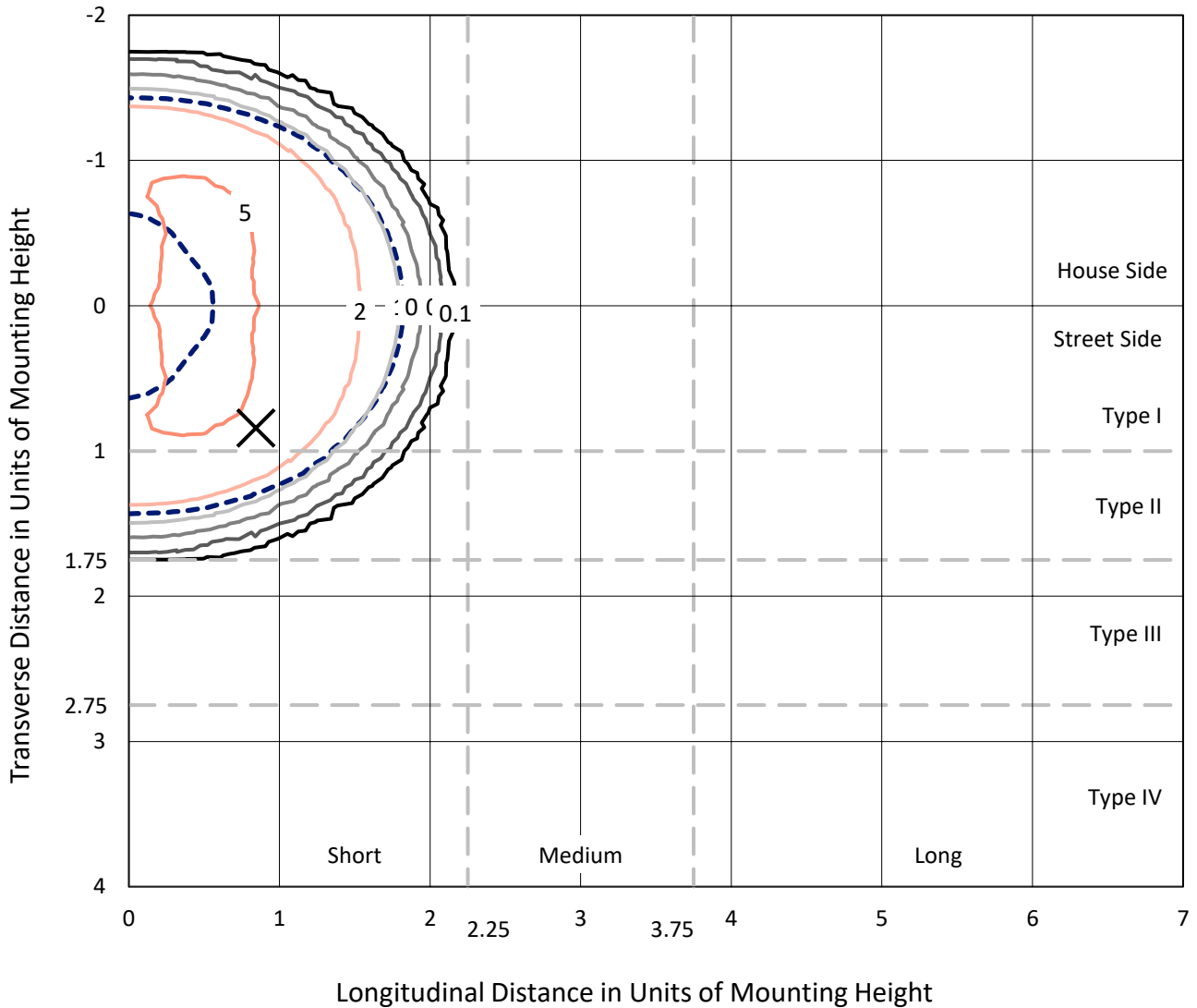
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

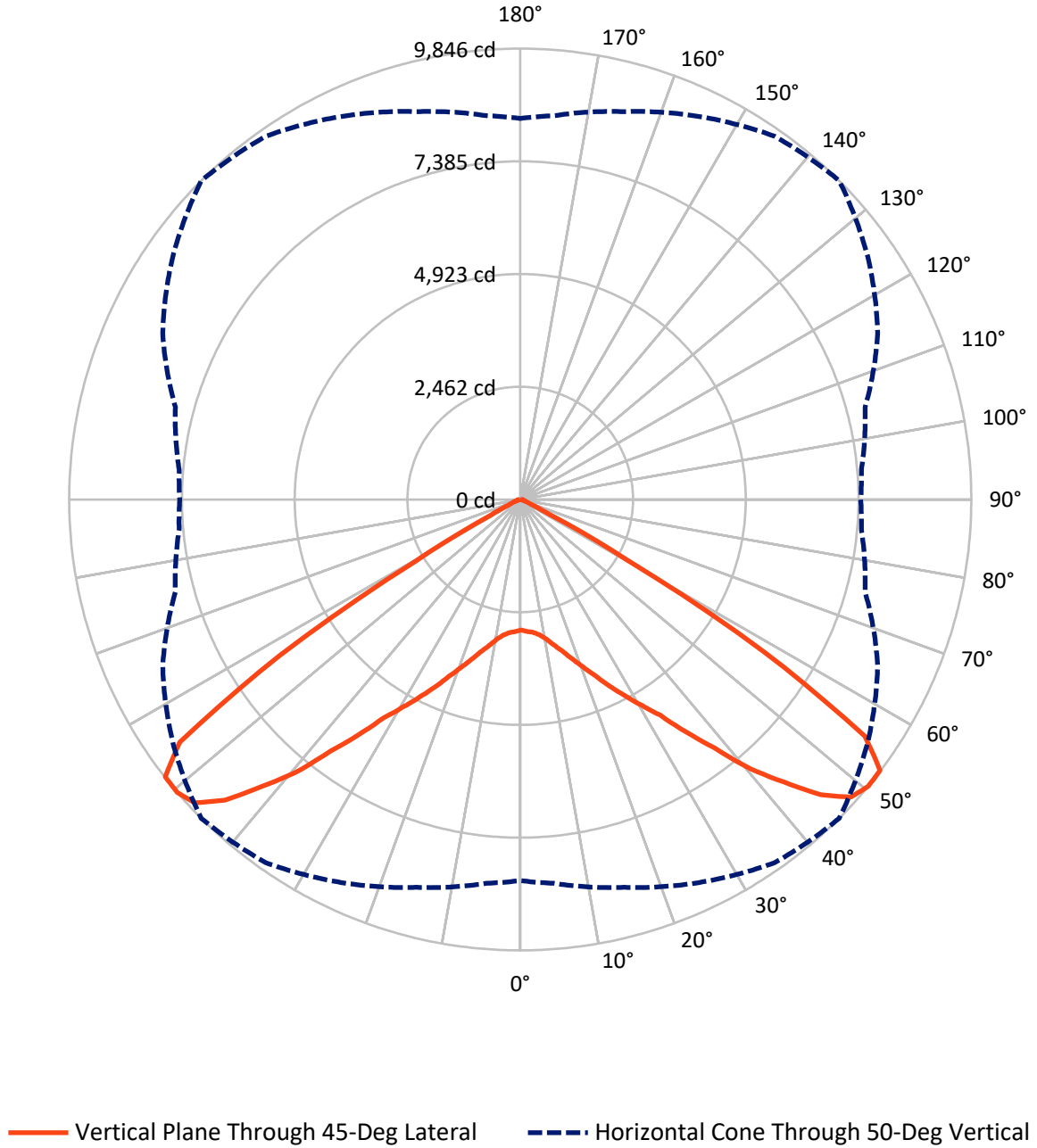
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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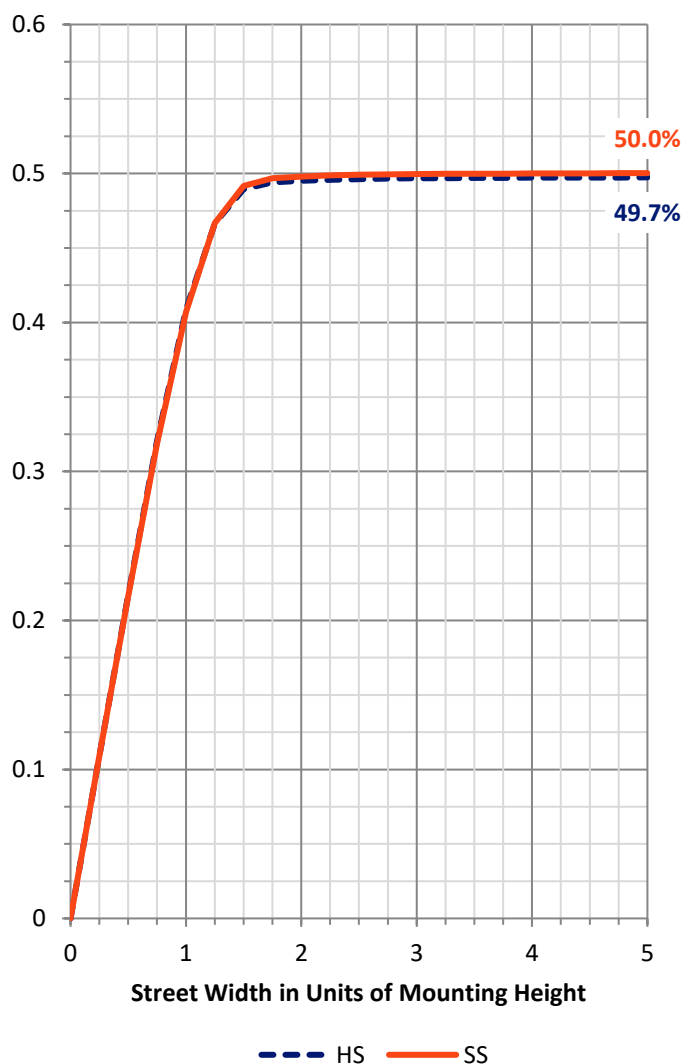
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10292.0	0.0	10292.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10292.0	0.0	10292.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20584.0	0.0	20584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	1.4
10°-20°	978.5	4.8
20°-30°	1998.5	9.7
30°-40°	3811.1	18.5
40°-50°	6422.3	31.2
50°-60°	6124.8	29.8
60°-70°	855.0	4.2
70°-80°	81.8	0.4
80°-90°	28.3	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°	20584.0	100.0
0°-180°	20584.0	100.0

Coefficient of Utilization



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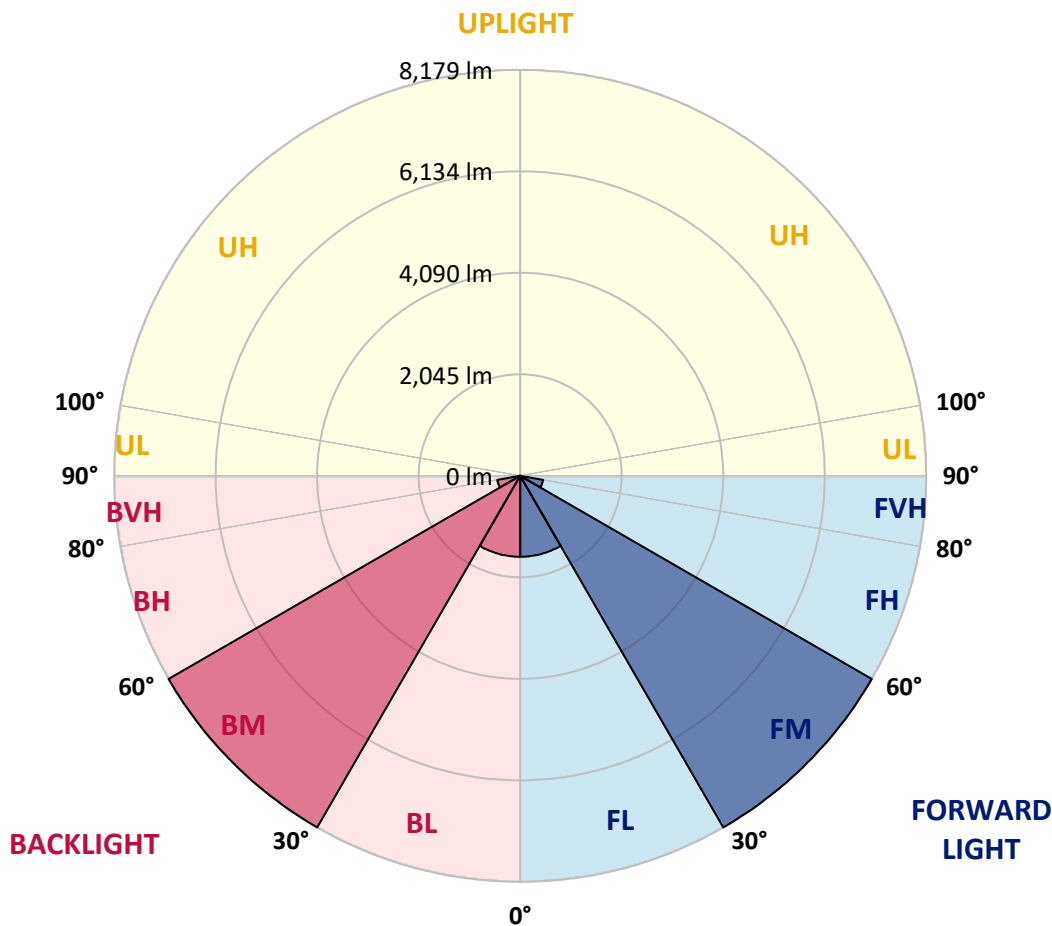
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.4	7.9			
FM (30°-60°)	8179.1	39.7			
FH (60°-80°)	468.4	2.3			G0/660
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	1630.4	7.9	B3/2500		
BM (30°-60°)	8179.1	39.7	B4/8500		
BH (60°-80°)	468.4	2.3	B1/500		G0/660
BVH (80°-90°)	14.1	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°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	2843.4	2843.4	2839.9	2867.6	2853.7	2884.9	2881.5	2891.8	2902.2	2898.8	2926.5
5°	2819.1	2815.6	2815.6	2846.8	2878.0	2912.6	2943.8	2964.6	2999.2	2999.2	3033.8
7.5°	2843.4	2826.0	2850.3	2864.1	2923.0	2981.9	3033.8	3075.4	3155.1	3182.8	3172.4
10°	2850.3	2871.1	2888.4	2929.9	3002.7	3092.7	3137.7	3241.6	3331.7	3394.0	3407.9
12.5°	2895.3	2926.5	2975.0	3075.4	3141.2	3258.9	3321.3	3421.7	3546.4	3615.7	3664.2
15°	2981.9	2992.3	3054.6	3182.8	3324.8	3432.1	3529.1	3601.8	3723.0	3802.7	3806.1
17.5°	3092.7	3137.7	3224.3	3345.5	3494.5	3653.8	3730.0	3809.6	3854.6	3962.0	3986.2
20°	3314.4	3321.3	3404.4	3563.7	3750.7	3896.2	3951.6	3993.2	3975.8	4086.7	4107.5
22.5°	3522.2	3529.1	3633.0	3847.7	4048.6	4173.3	4197.5	4173.3	4121.3	4201.0	4207.9
25°	3733.4	3795.8	3872.0	4086.7	4336.0	4502.3	4505.7	4439.9	4332.6	4346.4	4381.1
27.5°	4062.4	4107.5	4187.1	4384.5	4658.1	4845.1	4814.0	4734.3	4595.8	4606.2	4595.8
30°	4446.9	4488.4	4554.2	4807.0	5007.9	5212.2	5257.3	5181.1	4973.3	4928.3	4980.2
32.5°	4910.9	4969.8	5091.0	5323.1	5492.8	5617.4	5648.6	5620.9	5427.0	5409.6	5444.3
35°	5475.5	5555.1	5665.9	5870.3	6008.8	6233.9	6233.9	6140.4	5963.8	5984.6	5981.1
37.5°	6071.1	6188.9	6362.1	6569.8	6756.9	6878.1	6840.0	6760.3	6583.7	6538.7	6583.7
40°	6819.2	6878.1	7096.3	7366.4	7595.0	7733.5	7570.7	7397.6	6975.1	7040.9	7162.1
42.5°	7501.5	7595.0	7761.2	8059.1	8318.8	8433.1	8239.2	7896.3	7387.2	7335.2	7425.3
45°	8083.3	8183.7	8401.9	8827.9	9101.5	9201.9	8772.5	8218.4	7636.5	7504.9	7543.0
47.5°	8471.2	8523.1	8827.9	9233.1	9482.5	9711.0	9094.6	8440.0	7754.3	7504.9	7491.1
50°	8322.3	8412.3	8769.0	9229.6	9683.3	9846.1	9257.4	8609.7	7792.4	7473.8	7432.2
52.5°	7390.6	7546.5	7944.8	8564.7	9250.4	9832.3	9482.5	8554.3	7778.5	7504.9	7567.3
55°	5143.0	5146.4	5631.3	6545.6	7757.8	9129.2	9153.5	8616.6	7868.6	7698.9	7702.3
57.5°	2067.6	2171.5	2542.0	3459.8	4578.5	6268.5	7453.0	7993.3	7879.0	7837.4	7944.8
60°	523.0	526.4	640.7	976.6	1610.4	2687.5	3903.1	5281.5	6081.5	6355.1	6393.2
62.5°	266.7	270.1	297.8	346.3	439.8	720.4	1281.4	2032.9	2891.8	3328.2	3442.5
65°	218.2	218.2	235.5	259.7	263.2	277.1	332.5	474.5	689.2	782.7	793.1
67.5°	166.2	166.2	180.1	193.9	200.9	197.4	190.5	197.4	239.0	228.6	221.7
70°	103.9	107.4	114.3	128.1	135.1	138.5	142.0	148.9	169.7	176.6	169.7
72.5°	62.3	62.3	65.8	76.2	86.6	93.5	103.9	110.8	121.2	138.5	135.1
75°	27.7	27.7	34.6	45.0	55.4	65.8	76.2	86.6	93.5	103.9	107.4
77.5°	6.9	10.4	17.3	31.2	41.6	55.4	69.3	79.7	86.6	86.6	83.1
80°	3.5	3.5	13.9	24.2	45.0	58.9	76.2	83.1	93.5	86.6	76.2
82.5°	3.5	3.5	13.9	24.2	41.6	58.9	79.7	90.0	97.0	86.6	72.7
85°	0.0	3.5	10.4	20.8	34.6	41.6	34.6	24.2	13.9	13.9	10.4
87.5°	0.0	0.0	3.5	3.5	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)