

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: P647982

Luminaire Tested: **GALN-SA6A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18605.6 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

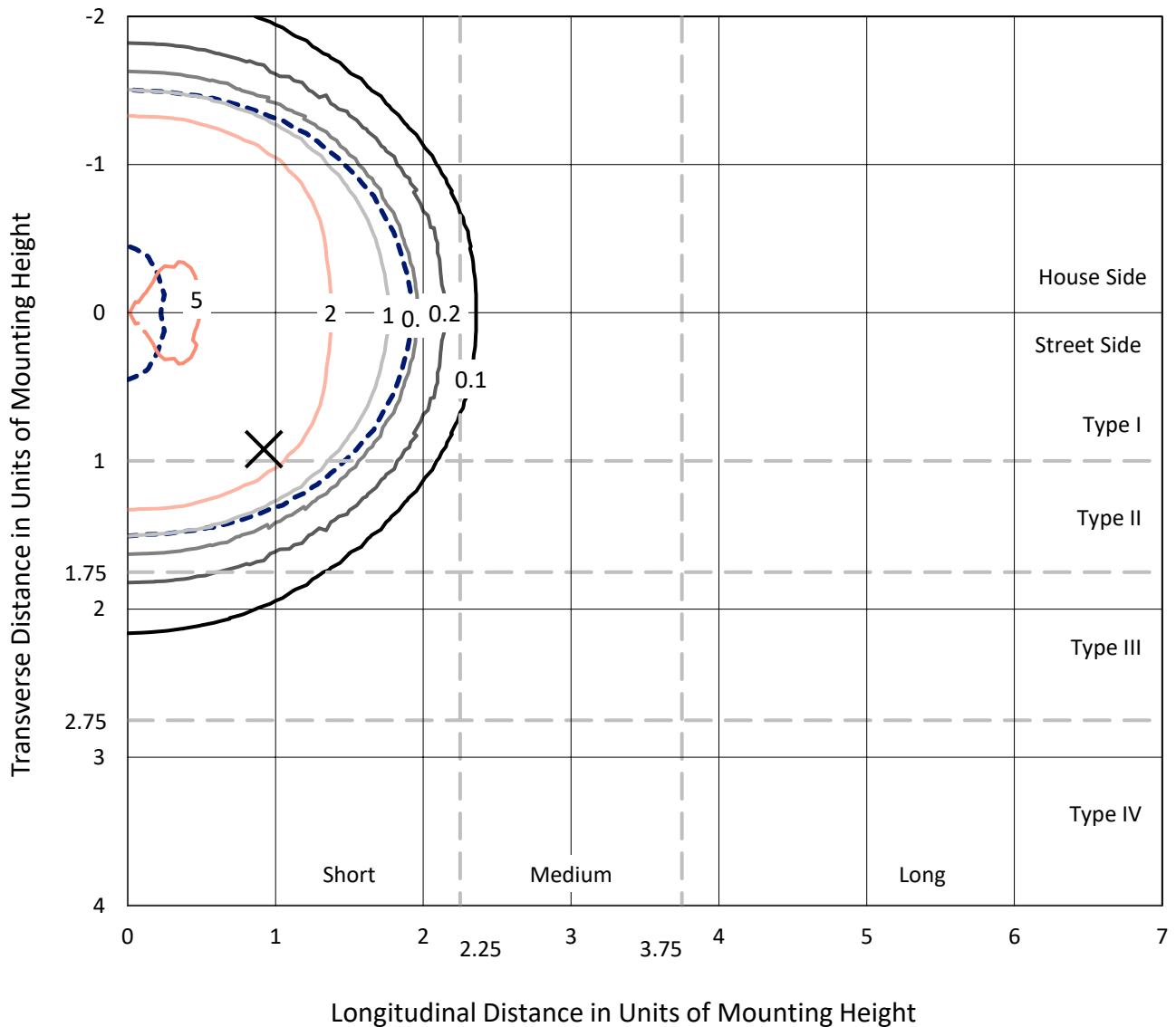
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

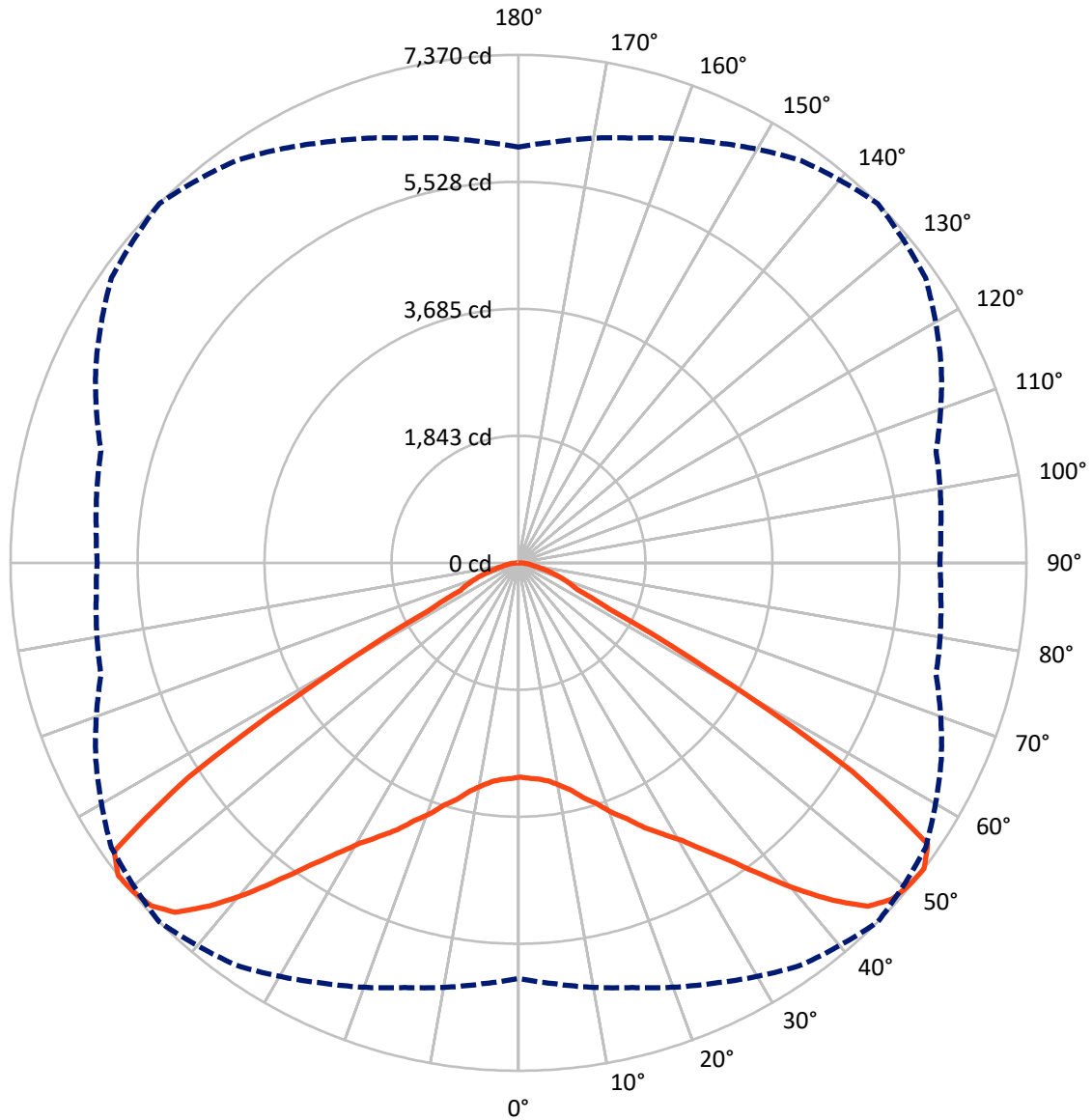
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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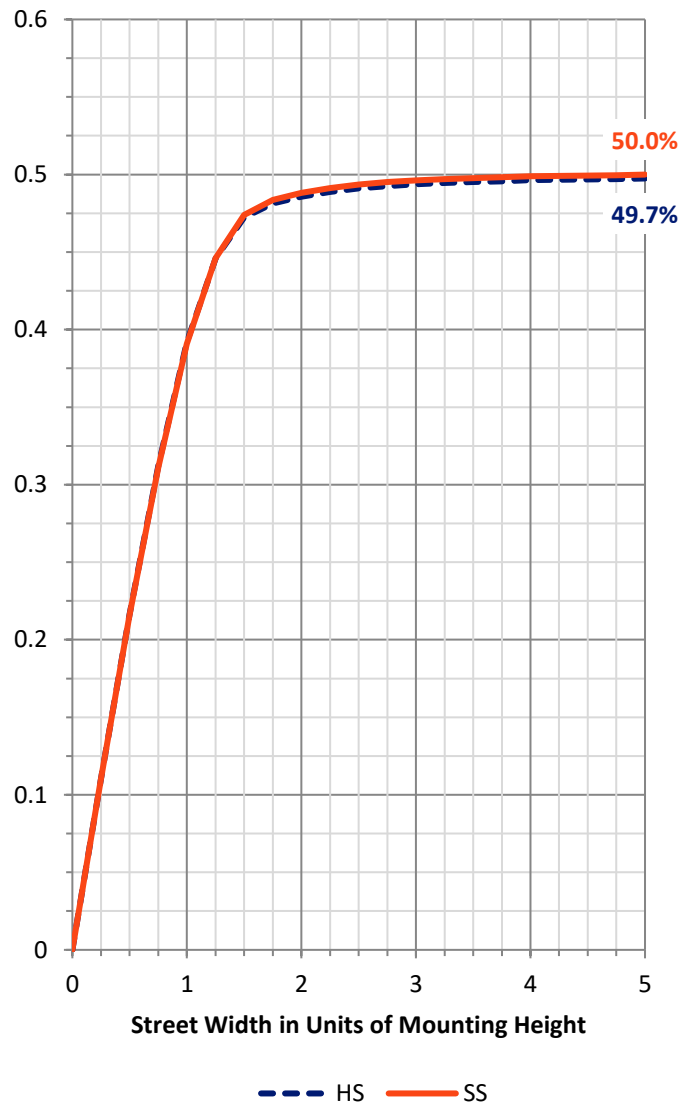
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9302.8	0.0	9302.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9302.8	0.0	9302.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18605.6	0.0	18605.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.6	1.6
10°-20°	1004.1	5.4
20°-30°	1911.6	10.3
30°-40°	3282.4	17.6
40°-50°	5045.1	27.1
50°-60°	5123.2	27.5
60°-70°	1427.8	7.7
70°-80°	421.2	2.3
80°-90°	84.8	0.5
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°	18605.6	100.0
0°-180°	18605.6	100.0

Coefficient of Utilization

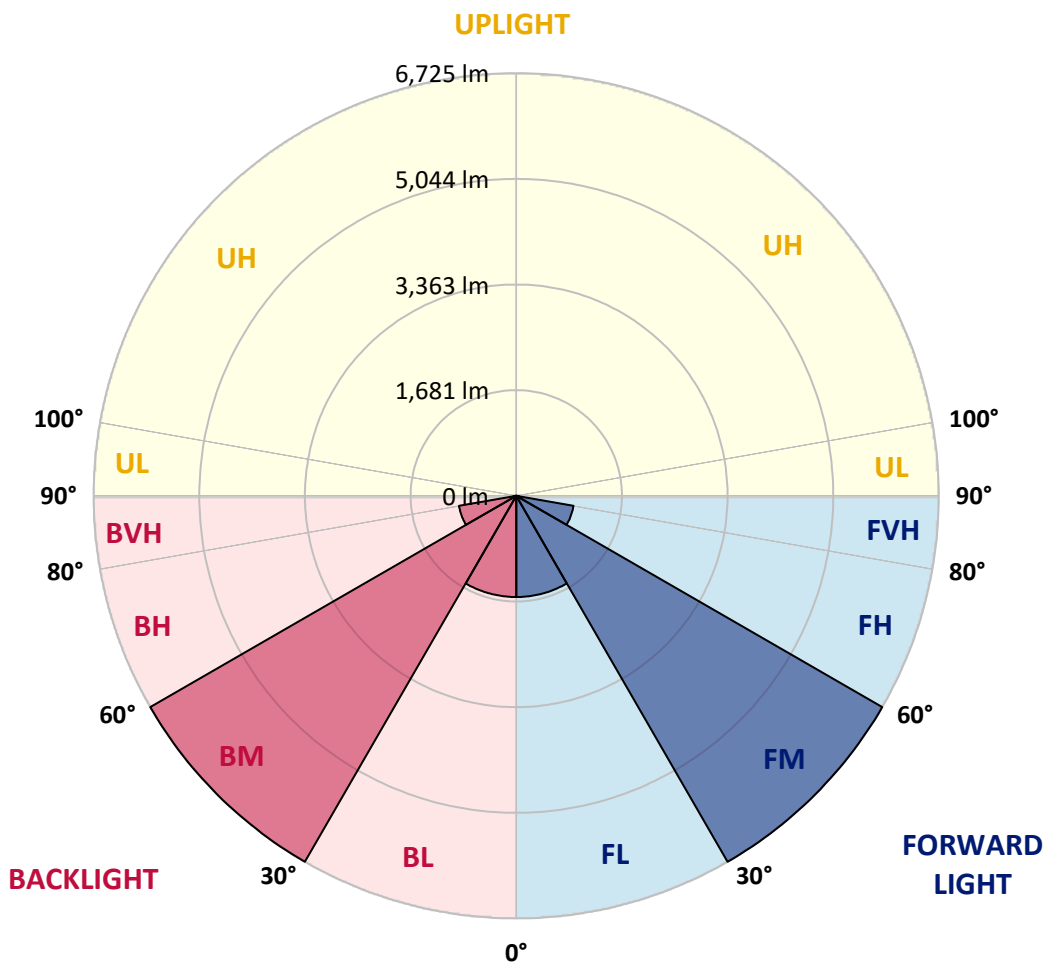


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.6	8.7			
FM (30°-60°)	6725.3	36.1			
FH (60°-80°)	924.5	5.0			G1/1800
FVH (80°-90°)	42.4	0.2			G1/100
BL (0°-30°)	1610.6	8.7	B3/2500		
BM (30°-60°)	6725.3	36.1	B4/8500		
BH (60°-80°)	924.5	5.0	B2/1000		G1/1800
BVH (80°-90°)	42.4	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2	3110.2
2.5°	3117.1	3084.8	3096.3	3103.3	3133.3	3131.0	3124.0	3133.3	3142.5	3144.8	3140.2
5°	3114.8	3091.7	3100.9	3107.9	3137.9	3154.1	3149.5	3188.7	3216.4	3209.4	3244.1
7.5°	3096.3	3110.2	3098.6	3133.3	3158.7	3197.9	3239.5	3276.5	3311.1	3350.3	3357.3
10°	3137.9	3137.9	3158.7	3186.3	3253.4	3283.4	3343.4	3396.5	3463.4	3509.6	3491.2
12.5°	3181.7	3188.7	3188.7	3260.3	3315.7	3382.6	3438.1	3509.6	3604.3	3659.7	3687.4
15°	3225.6	3230.3	3253.4	3350.3	3433.5	3539.6	3590.4	3655.1	3708.2	3812.1	3814.4
17.5°	3264.9	3290.2	3359.5	3468.1	3572.0	3673.6	3754.4	3821.4	3867.6	3909.0	3899.8
20°	3412.6	3431.1	3502.7	3611.2	3765.9	3865.2	3892.9	3904.4	3934.5	4017.6	3992.2
22.5°	3555.8	3562.7	3629.7	3795.9	3904.4	4036.1	4066.1	4059.2	4070.7	4091.5	4128.4
25°	3703.6	3715.1	3807.5	3948.4	4100.7	4257.7	4283.2	4230.0	4213.9	4237.0	4239.2
27.5°	3892.9	3895.2	4013.0	4135.3	4308.5	4456.3	4495.6	4454.0	4377.8	4396.3	4426.3
30°	4133.1	4116.9	4234.6	4410.1	4592.5	4675.7	4742.6	4721.8	4638.7	4622.5	4597.1
32.5°	4410.1	4414.7	4521.0	4712.6	4832.7	4971.2	5042.8	5008.1	4955.1	4927.3	4943.5
35°	4800.3	4821.1	4892.7	5052.0	5245.9	5315.2	5428.4	5354.5	5216.0	5250.6	5280.6
37.5°	5121.3	5181.3	5315.2	5504.6	5620.1	5747.0	5788.6	5689.3	5587.7	5546.1	5645.4
40°	5613.1	5594.6	5742.4	5931.8	6102.6	6229.6	6176.5	6077.2	5825.5	5827.9	5855.5
42.5°	6035.7	6044.8	6158.0	6384.3	6617.5	6696.0	6527.5	6285.0	6005.6	5975.6	6035.7
45°	6391.2	6428.2	6492.8	6795.3	7023.9	7109.3	6797.6	6511.3	6137.2	6012.6	6111.9
47.5°	6518.2	6578.2	6719.1	6996.2	7222.5	7291.7	7042.4	6631.4	6259.6	6056.4	6109.5
50°	6536.7	6515.9	6746.8	7000.8	7199.4	7349.5	7130.1	6719.1	6229.6	6123.4	6107.2
52.5°	6031.1	6132.6	6379.6	6728.3	7130.1	7370.2	7208.6	6767.5	6271.1	6151.1	6111.9
55°	4881.1	4761.1	5211.3	5797.8	6536.7	7204.0	7180.9	6793.0	6296.6	6197.3	6144.2
57.5°	2724.6	2759.2	3013.2	3650.5	4604.1	5712.4	6384.3	6525.1	6285.0	6227.3	6255.0
60°	1260.7	1272.2	1380.7	1678.6	2269.7	3239.5	4123.8	5022.0	5435.3	5518.4	5518.4
62.5°	939.8	935.1	962.9	1015.9	1140.6	1489.3	1988.0	2701.5	3269.5	3666.6	3770.5
65°	849.7	847.4	861.2	879.7	888.9	937.4	1048.3	1267.6	1452.3	1558.6	1540.1
67.5°	743.5	741.2	745.8	757.3	773.5	798.9	826.6	872.8	937.4	932.8	921.3
70°	600.3	600.3	607.3	616.5	634.9	665.0	697.3	729.6	785.0	796.6	794.3
72.5°	443.3	436.4	450.2	468.7	487.2	524.1	558.7	588.8	628.0	639.6	634.9
75°	281.7	286.3	295.6	316.3	348.7	374.0	411.0	436.4	461.8	471.1	473.3
77.5°	157.0	161.6	177.8	203.2	235.5	263.2	295.6	316.3	332.5	334.8	337.1
80°	94.7	97.0	113.1	136.2	164.0	193.9	219.3	240.1	254.0	247.0	244.8
82.5°	57.7	60.1	73.9	94.7	117.8	140.9	168.6	187.1	200.9	191.7	182.4
85°	30.0	32.3	43.8	57.7	76.2	87.8	87.8	78.5	76.2	71.6	69.3
87.5°	9.2	9.2	11.5	13.9	11.5	13.9	16.1	18.5	18.5	20.7	18.5
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)