

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: P529140

Luminaire Tested: **GALN-SA4B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529140
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-SA4B-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 800mA 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: 18374 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

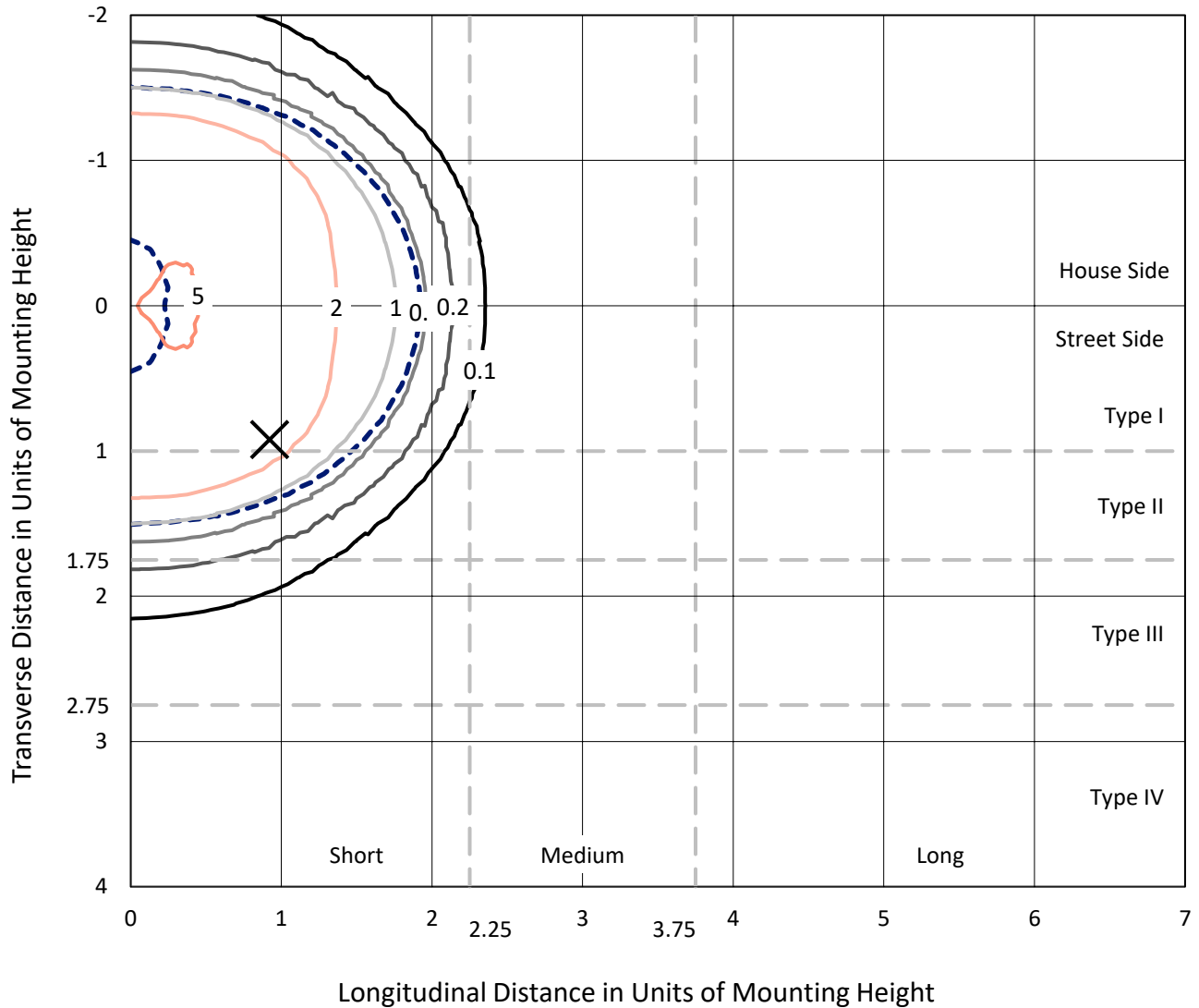
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529140
 CATALOG NUMBER: GALN-SA4B-735-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

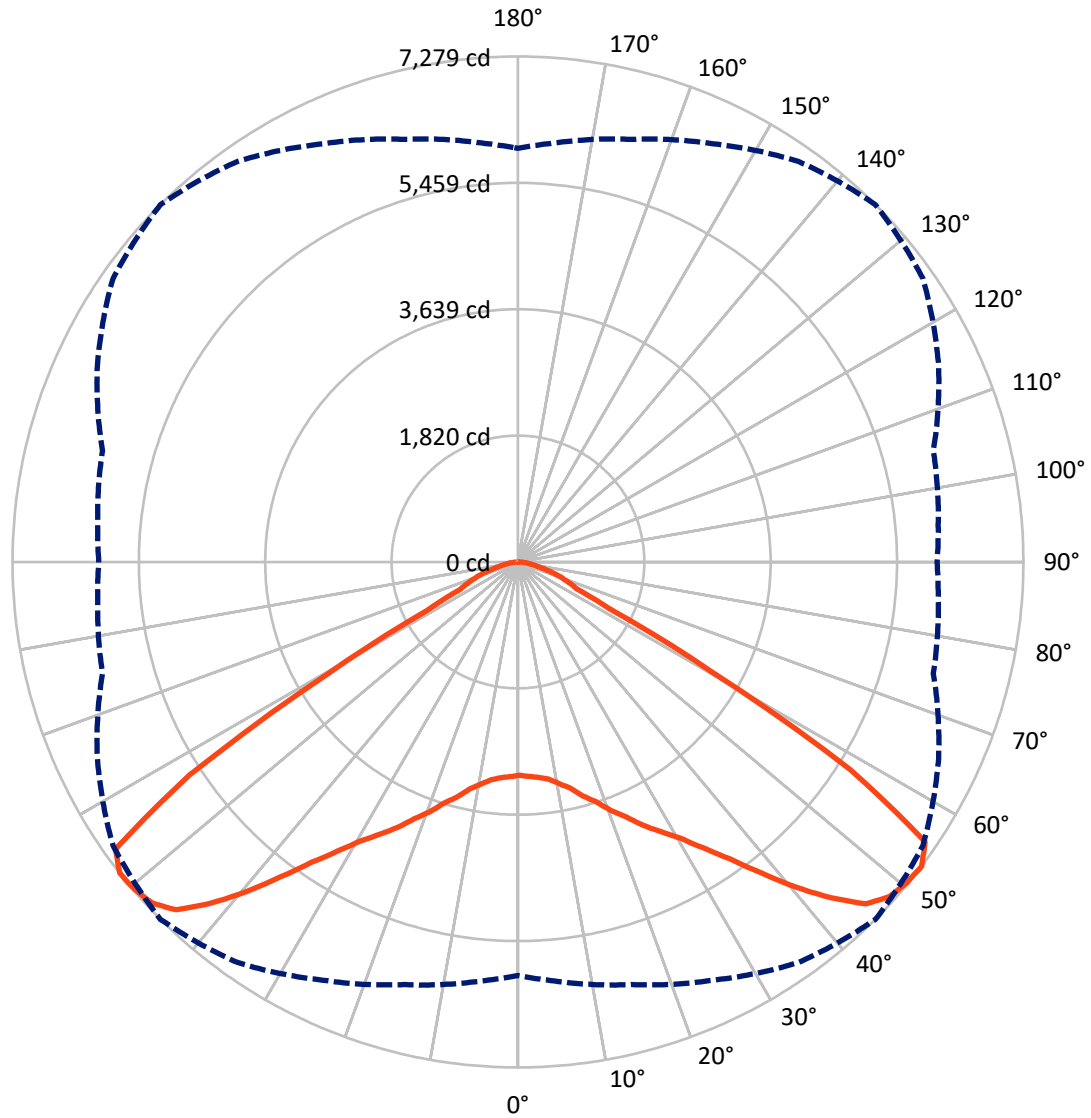
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P529140
CATALOG NUMBER: GALN-SA4B-735-U-RW-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P529140
 CATALOG NUMBER: GALN-SA4B-735-U-RW-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9187.0	0.0	9187.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9187.0	0.0	9187.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18374.0	0.0	18374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.8	1.6
10°-20°	991.6	5.4
20°-30°	1887.8	10.3
30°-40°	3241.5	17.6
40°-50°	4982.3	27.1
50°-60°	5059.4	27.5
60°-70°	1410.0	7.7
70°-80°	415.9	2.3
80°-90°	83.8	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°	18374.0	100.0
0°-180°	18374.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529140

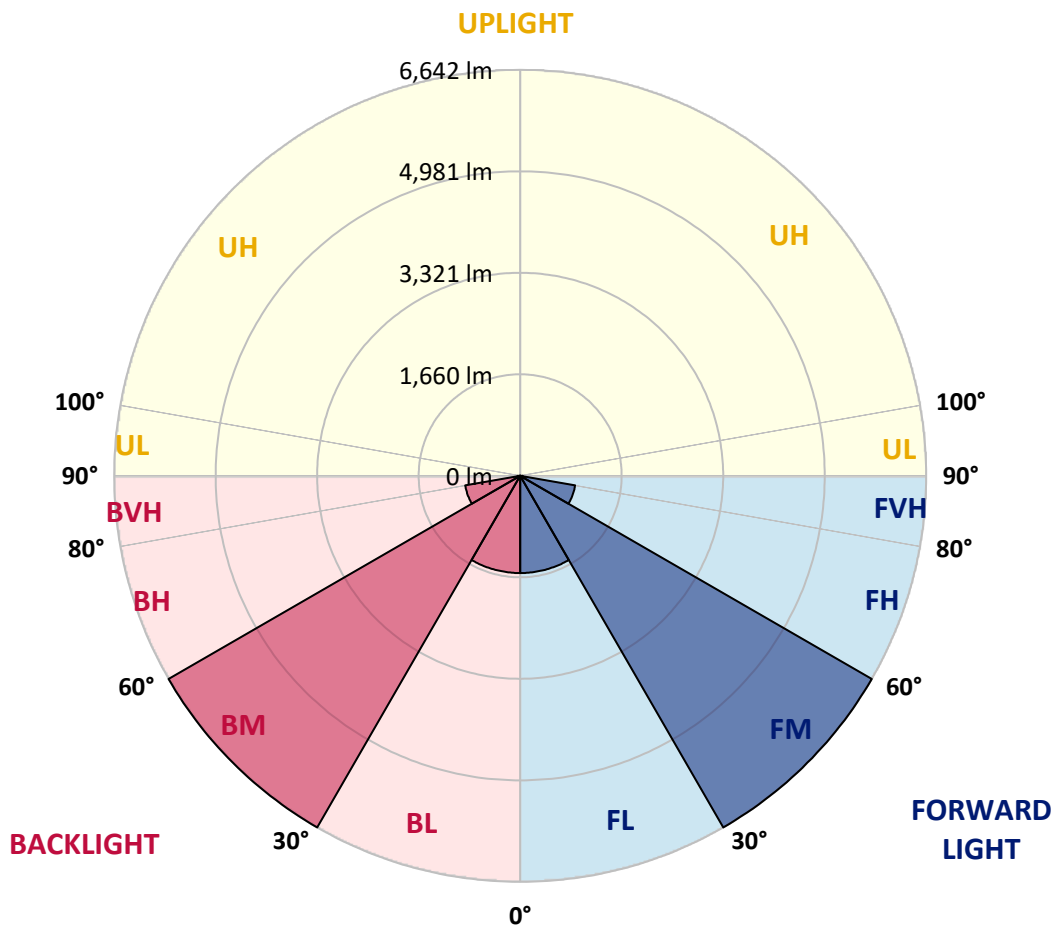
CATALOG NUMBER: GALN-SA4B-735-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.6	8.7			
FM (30°-60°)	6641.6	36.1			
FH (60°-80°)	913.0	5.0			G1/1800
FVH (80°-90°)	41.9	0.2			G1/100
BL (0°-30°)	1590.6	8.7	B3/2500		
BM (30°-60°)	6641.6	36.1	B4/8500		
BH (60°-80°)	913.0	5.0	B2/1000		G1/1800
BVH (80°-90°)	41.9	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





REPORT NUMBER: P529140

CATALOG NUMBER: GALN-SA4B-735-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5	3071.5
2.5°	3078.3	3046.4	3057.8	3064.6	3094.3	3092.0	3085.1	3094.3	3103.4	3105.7	3101.1
5°	3076.0	3053.2	3062.3	3069.2	3098.8	3114.8	3110.2	3149.0	3176.3	3169.5	3203.7
7.5°	3057.8	3071.5	3060.1	3094.3	3119.3	3158.1	3199.1	3235.6	3269.8	3308.6	3315.4
10°	3098.8	3098.8	3119.3	3146.7	3212.8	3242.5	3301.8	3354.2	3420.3	3465.9	3447.7
12.5°	3142.1	3149.0	3149.0	3219.7	3274.4	3340.5	3395.2	3465.9	3559.4	3614.1	3641.5
15°	3185.5	3190.0	3212.8	3308.6	3390.7	3495.6	3545.7	3609.6	3662.0	3764.6	3766.9
17.5°	3224.2	3249.3	3317.7	3424.9	3527.5	3627.8	3707.6	3773.8	3819.4	3860.4	3851.3
20°	3370.2	3388.4	3459.1	3566.3	3719.0	3817.1	3844.5	3855.9	3885.5	3967.6	3942.5
22.5°	3511.5	3518.4	3584.5	3748.7	3855.9	3985.8	4015.5	4008.6	4020.0	4040.5	4077.0
25°	3657.5	3668.9	3760.1	3899.2	4049.7	4204.7	4229.8	4177.4	4161.4	4184.2	4186.5
27.5°	3844.5	3846.7	3963.0	4083.9	4254.9	4400.8	4439.6	4398.5	4323.3	4341.5	4371.2
30°	4081.6	4065.6	4181.9	4355.2	4535.4	4617.4	4683.6	4663.0	4581.0	4565.0	4539.9
32.5°	4355.2	4359.8	4464.7	4653.9	4772.5	4909.3	4980.0	4945.8	4893.4	4866.0	4882.0
35°	4740.6	4761.1	4831.8	4989.1	5180.7	5249.1	5360.8	5287.8	5151.0	5185.2	5214.9
37.5°	5057.5	5116.8	5249.1	5436.0	5550.1	5675.5	5716.5	5618.5	5518.1	5477.1	5575.1
40°	5543.2	5525.0	5670.9	5857.9	6026.6	6152.0	6099.6	6001.5	5753.0	5755.3	5782.6
42.5°	5960.5	5969.6	6081.3	6304.8	6535.1	6612.6	6446.2	6206.8	5930.9	5901.2	5960.5
45°	6311.6	6348.1	6412.0	6710.7	6936.4	7020.8	6713.0	6430.2	6060.8	5937.7	6035.7
47.5°	6437.1	6496.3	6635.4	6909.1	7132.5	7200.9	6954.7	6548.8	6181.7	5981.0	6033.5
50°	6455.3	6434.8	6662.8	6913.6	7109.7	7257.9	7041.3	6635.4	6152.0	6047.1	6031.2
52.5°	5955.9	6056.3	6300.2	6644.6	7041.3	7278.5	7118.8	6683.3	6193.1	6074.5	6035.7
55°	4820.4	4701.8	5146.5	5725.6	6455.3	7114.3	7091.5	6708.4	6218.2	6120.1	6067.7
57.5°	2690.7	2724.9	2975.7	3605.0	4546.8	5641.3	6304.8	6443.9	6206.8	6149.8	6177.1
60°	1245.0	1256.4	1363.6	1657.7	2241.5	3199.1	4072.5	4959.5	5367.6	5449.7	5449.7
62.5°	928.0	923.5	950.9	1003.3	1126.4	1470.7	1963.3	2667.9	3228.8	3621.0	3723.6
65°	839.1	836.8	850.5	868.8	877.9	925.8	1035.2	1251.8	1434.3	1539.1	1520.9
67.5°	734.2	732.0	736.5	747.9	763.9	789.0	816.3	861.9	925.8	921.2	909.8
70°	592.9	592.9	599.7	608.8	627.1	656.7	688.6	720.5	775.3	786.7	784.4
72.5°	437.8	431.0	444.6	462.9	481.1	517.6	551.8	581.5	620.2	631.6	627.1
75°	278.2	282.7	291.9	312.4	344.3	369.4	405.9	431.0	456.0	465.2	467.4
77.5°	155.1	159.6	175.6	200.7	232.6	259.9	291.9	312.4	328.4	330.6	332.9
80°	93.5	95.8	111.7	134.5	161.9	191.5	216.6	237.1	250.8	244.0	241.7
82.5°	57.0	59.3	73.0	93.5	116.3	139.1	166.5	184.7	198.4	189.3	180.1
85°	29.6	31.9	43.3	57.0	75.2	86.6	86.6	77.5	75.2	70.7	68.4
87.5°	9.1	9.1	11.4	13.7	11.4	13.7	16.0	18.2	18.2	20.5	18.2
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)