

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: P647481

Luminaire Tested: **GALN-SA6D-835-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6D-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37592.6 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: B5 - U0 - G4

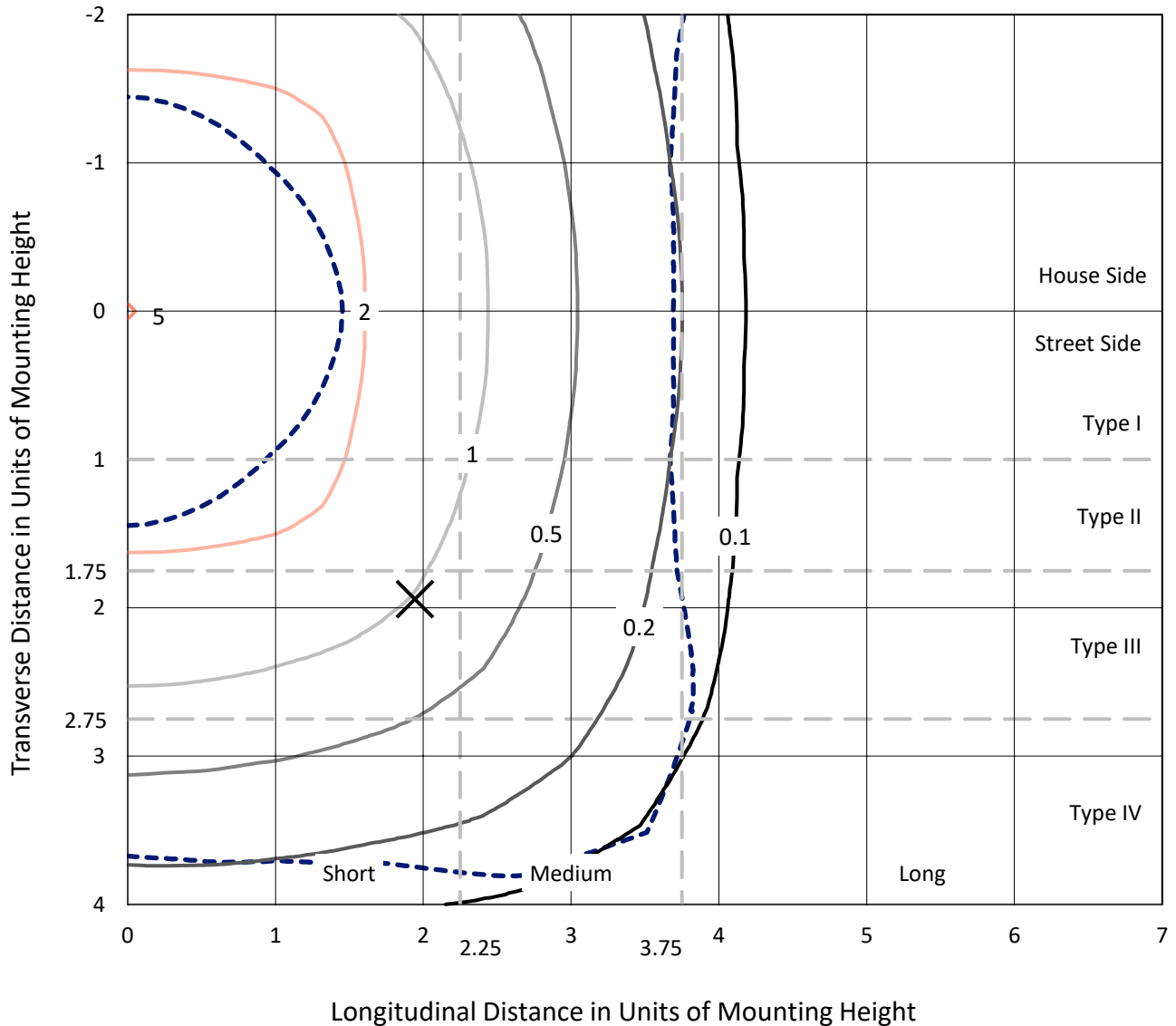
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P647481  
 CATALOG NUMBER: GALN-SA6D-835-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

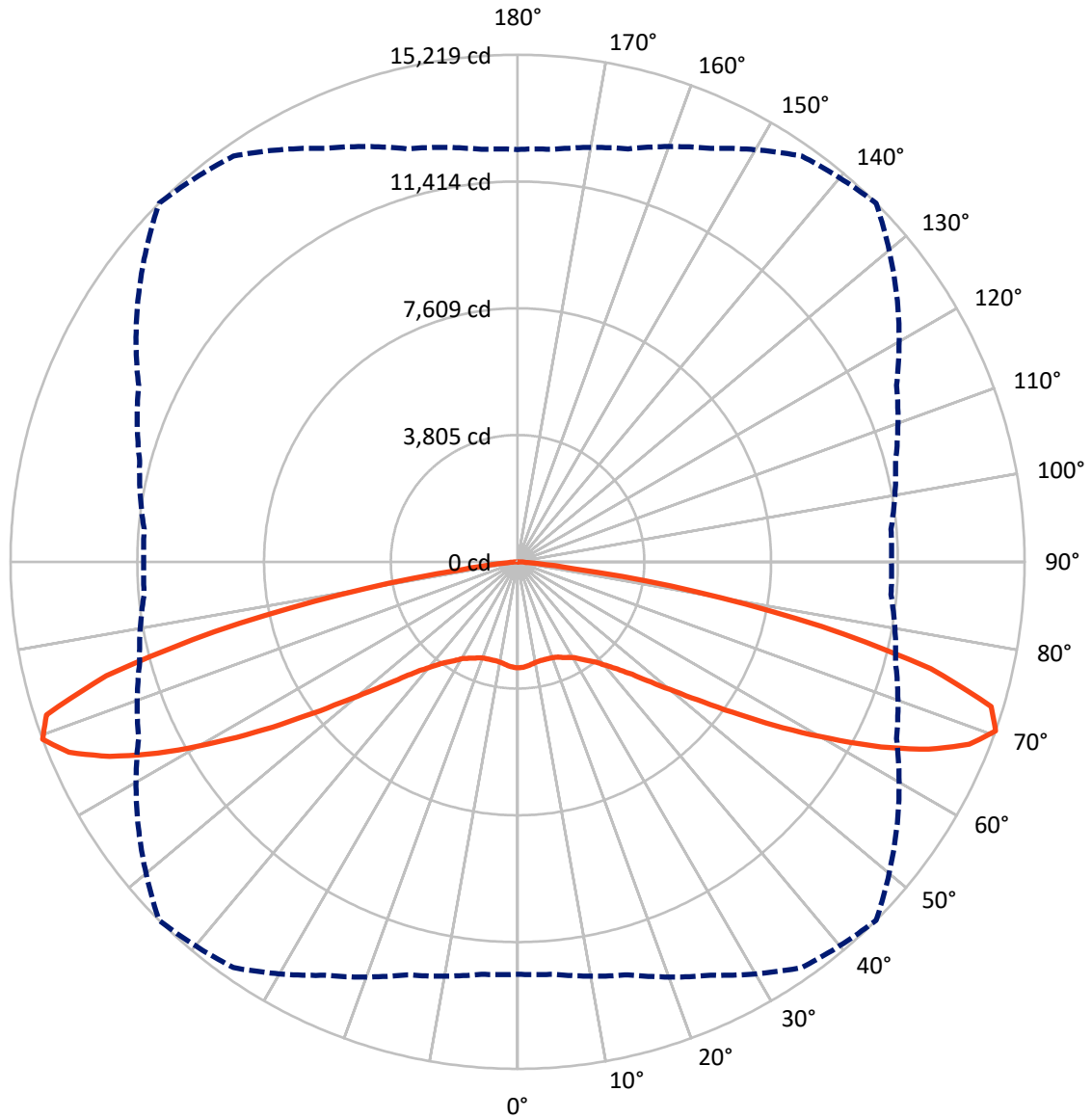
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P647481  
CATALOG NUMBER: GALN-SA6D-835-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P647481  
 CATALOG NUMBER: GALN-SA6D-835-U-5WQ

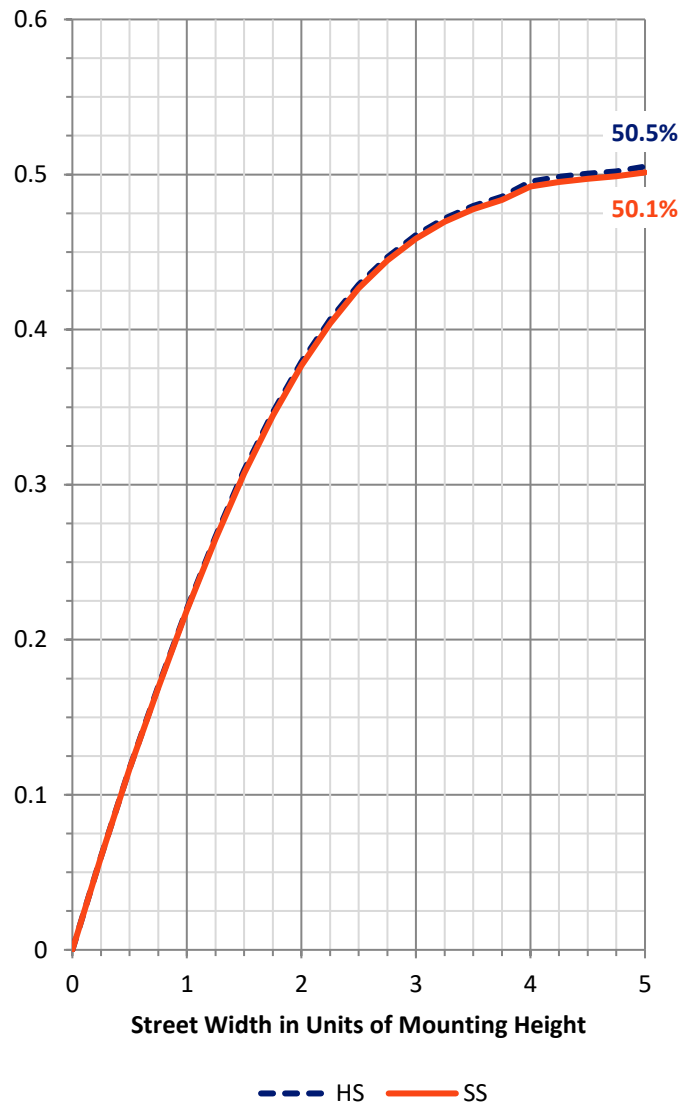
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18796.3	0.0	18796.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18796.3	0.0	18796.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37592.6	0.0	37592.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.6	0.8
10°-20°	871.4	2.3
20°-30°	1484.6	3.9
30°-40°	2301.1	6.1
40°-50°	3873.1	10.3
50°-60°	7046.9	18.7
60°-70°	11930.2	31.7
70°-80°	9234.4	24.6
80°-90°	553.3	1.5
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°	37592.6	100.0
0°-180°	37592.6	100.0

**Coefficient of Utilization**

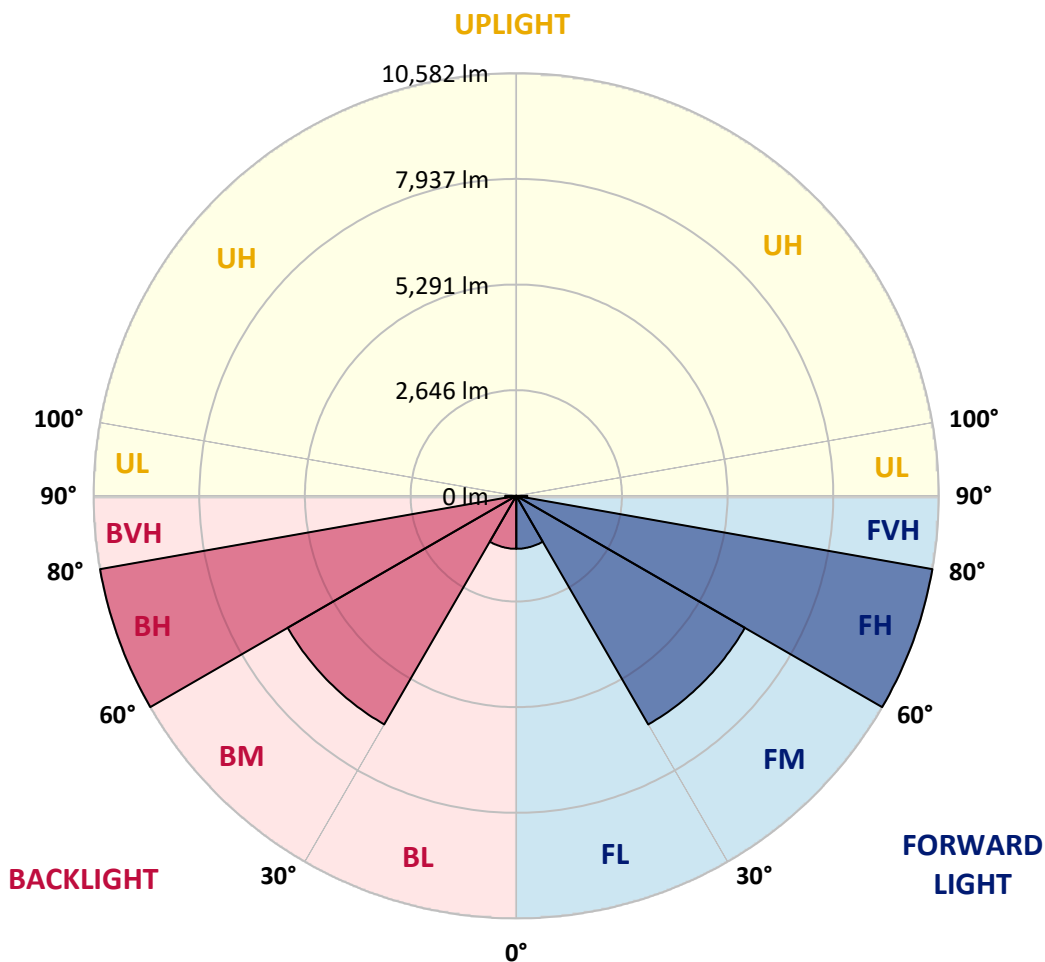


REPORT NUMBER: P647481  
 CATALOG NUMBER: GALN-SA6D-835-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.8	3.5			
FM (30°-60°)	6610.5	17.6			
FH (60°-80°)	10582.3	28.1			G4/12000
FVH (80°-90°)	276.7	0.7			G3/500
BL (0°-30°)	1326.8	3.5	B3/2500		
BM (30°-60°)	6610.5	17.6	B4/8500		
BH (60°-80°)	10582.3	28.1	B5		G4/12000
BVH (80°-90°)	276.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





REPORT NUMBER: P647481

CATALOG NUMBER: GALN-SA6D-835-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7	3182.7
2.5°	3174.8	3176.7	3176.7	3172.7	3170.8	3170.8	3168.8	3168.8	3174.8	3176.7	3178.7
5°	3147.0	3147.0	3147.0	3144.9	3141.0	3141.0	3137.0	3137.0	3139.0	3144.9	3141.0
7.5°	3109.2	3113.2	3113.2	3105.2	3099.3	3099.3	3097.3	3099.3	3101.3	3107.3	3105.2
10°	3097.3	3099.3	3089.3	3075.5	3065.5	3059.6	3061.5	3065.5	3075.5	3079.5	3081.4
12.5°	3105.2	3105.2	3087.4	3067.5	3049.6	3041.7	3039.7	3053.6	3071.5	3083.4	3087.4
15°	3115.2	3111.2	3089.3	3063.6	3045.7	3043.7	3041.7	3051.7	3077.4	3101.3	3103.3
17.5°	3121.1	3119.2	3091.4	3059.6	3049.6	3049.6	3047.7	3055.6	3083.4	3113.2	3115.2
20°	3141.0	3135.1	3103.3	3069.5	3061.5	3065.5	3059.6	3069.5	3099.3	3135.1	3143.0
22.5°	3180.7	3174.8	3143.0	3109.2	3105.2	3105.2	3103.3	3113.2	3144.9	3182.7	3188.6
25°	3228.3	3222.4	3192.6	3168.8	3172.7	3180.7	3176.7	3178.7	3204.5	3236.3	3246.2
27.5°	3291.9	3281.9	3256.1	3236.3	3248.2	3248.2	3248.2	3246.2	3262.1	3291.9	3301.8
30°	3369.3	3365.3	3337.5	3335.6	3345.4	3335.6	3335.6	3337.5	3339.5	3367.3	3377.2
32.5°	3470.6	3462.7	3448.7	3444.7	3472.5	3480.5	3452.7	3426.9	3440.8	3468.6	3474.6
35°	3637.3	3625.4	3605.6	3583.7	3605.6	3643.3	3583.7	3563.9	3599.6	3637.3	3641.3
37.5°	3863.7	3857.8	3826.0	3786.3	3784.2	3823.9	3762.4	3760.4	3827.9	3873.6	3879.5
40°	4147.6	4153.6	4113.9	4076.1	4056.3	4088.0	4040.4	4058.3	4123.7	4175.4	4171.4
42.5°	4546.6	4524.8	4463.3	4427.6	4405.7	4393.8	4381.9	4409.7	4483.1	4538.7	4582.4
45°	5013.2	5005.3	4927.9	4884.2	4836.6	4818.7	4814.7	4864.4	4953.7	5021.2	5027.2
47.5°	5541.4	5523.5	5473.9	5428.2	5410.4	5388.5	5368.6	5406.4	5495.7	5543.4	5557.3
50°	6085.4	6089.4	6089.4	6081.4	6099.3	6103.3	6049.7	6063.6	6113.2	6109.2	6105.3
52.5°	6706.9	6728.7	6831.9	6841.9	6927.2	6984.8	6887.5	6830.0	6812.1	6704.8	6712.8
55°	7437.5	7457.4	7612.2	7767.0	7997.4	8094.7	7890.2	7711.5	7584.5	7421.6	7429.6
57.5°	8348.8	8358.8	8505.7	8803.5	9168.8	9397.1	9037.8	8684.3	8426.3	8271.4	8209.8
60°	9329.6	9339.5	9554.0	9917.3	10485.2	10763.1	10318.4	9740.6	9415.0	9178.7	9194.6
62.5°	10507.0	10546.7	10739.3	11239.7	11928.6	12240.3	11650.6	10878.3	10437.5	10143.7	10155.6
65°	11767.8	11835.3	12045.8	12595.7	13231.1	13566.6	12843.9	11952.4	11404.4	11045.1	11082.7
67.5°	12585.8	12645.3	12949.1	13556.6	14348.9	14626.8	13693.7	12655.2	11970.3	11541.4	11462.0
70°	12377.3	12426.9	12832.0	13693.7	14867.1	15218.5	13896.1	12552.0	11745.9	11251.6	11219.8
72.5°	10925.9	10822.7	11414.3	12651.2	14275.3	14865.0	13258.9	11464.0	10449.4	9941.1	9881.6
75°	7240.9	7465.3	8338.9	9796.2	12077.5	12808.2	11317.1	9204.6	7927.9	7505.0	7439.4
77.5°	2420.3	2593.0	3369.3	5553.3	8233.6	9331.6	8245.5	6019.9	4258.8	3430.9	3446.8
80°	641.3	633.4	820.0	1526.8	3558.0	5404.4	4141.7	2039.1	1115.9	808.1	766.4
82.5°	230.3	258.1	331.6	422.9	943.1	1679.7	1185.3	571.8	418.9	309.8	299.8
85°	101.2	99.3	143.0	168.7	236.2	313.7	278.0	242.3	212.4	140.9	131.1
87.5°	21.8	21.8	33.7	25.8	41.7	41.7	51.6	61.5	63.5	41.7	33.7
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)