

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: P647507

Luminaire Tested: **GALN-SA6D-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
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-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35855.9 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

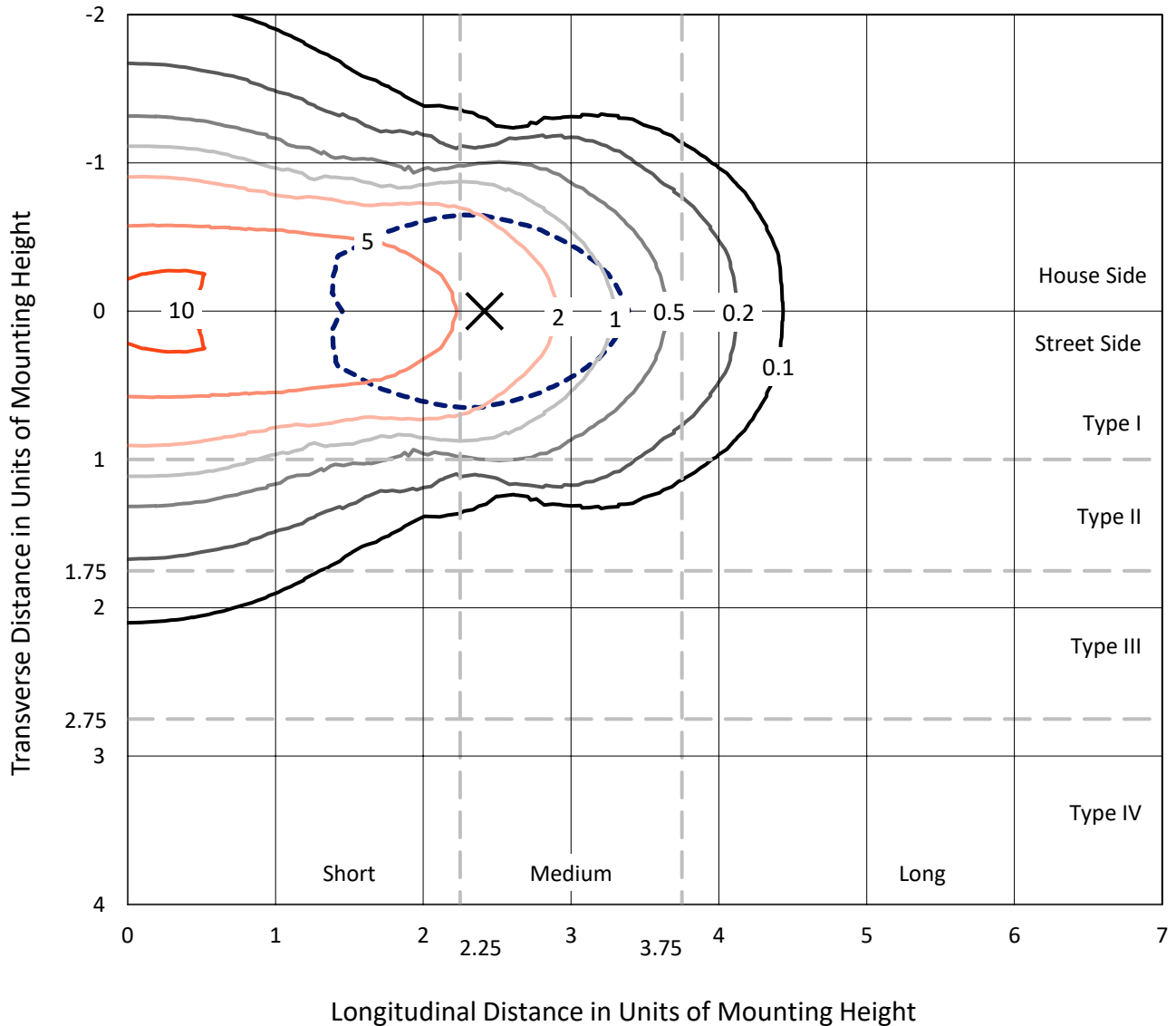
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

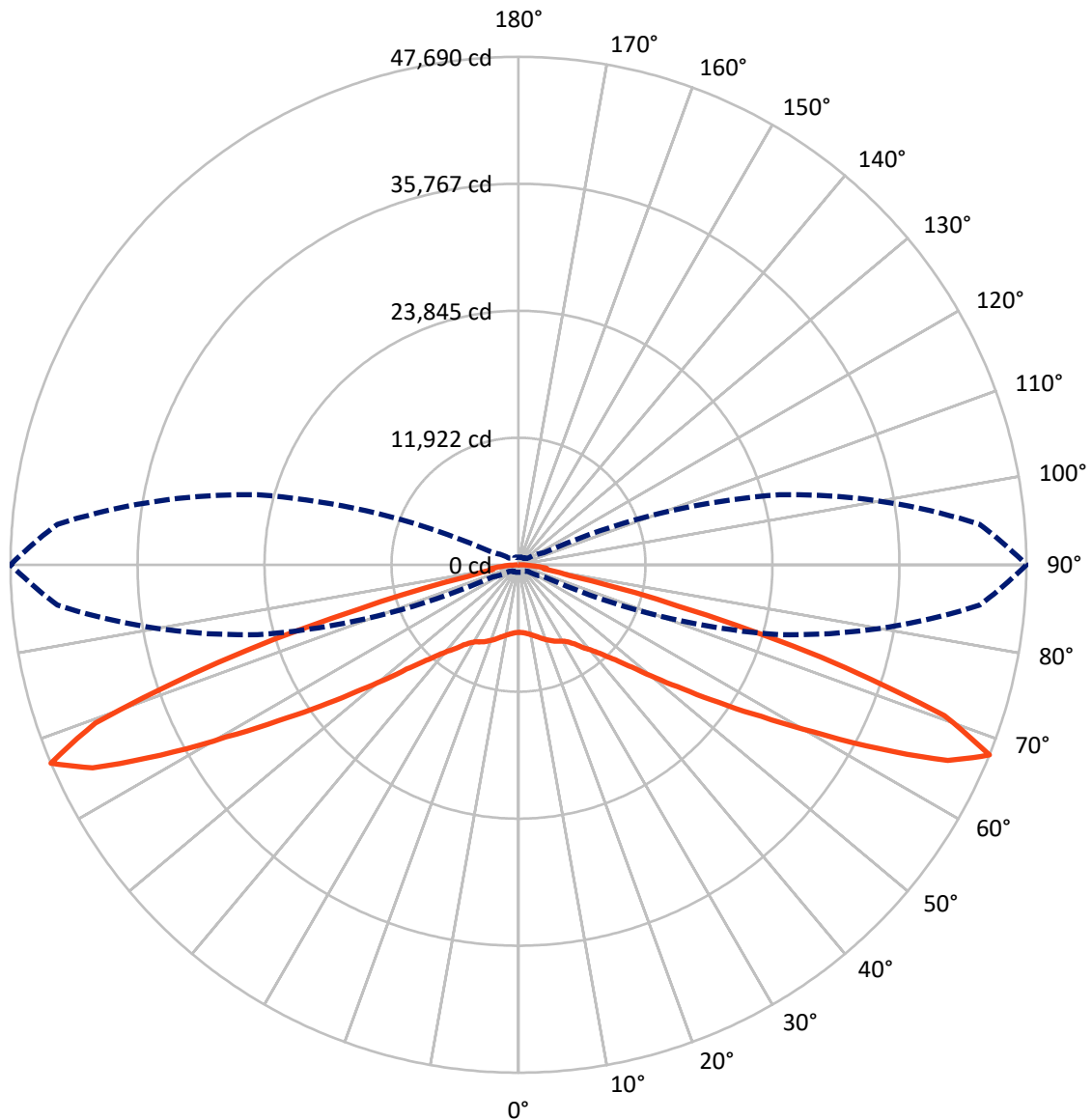
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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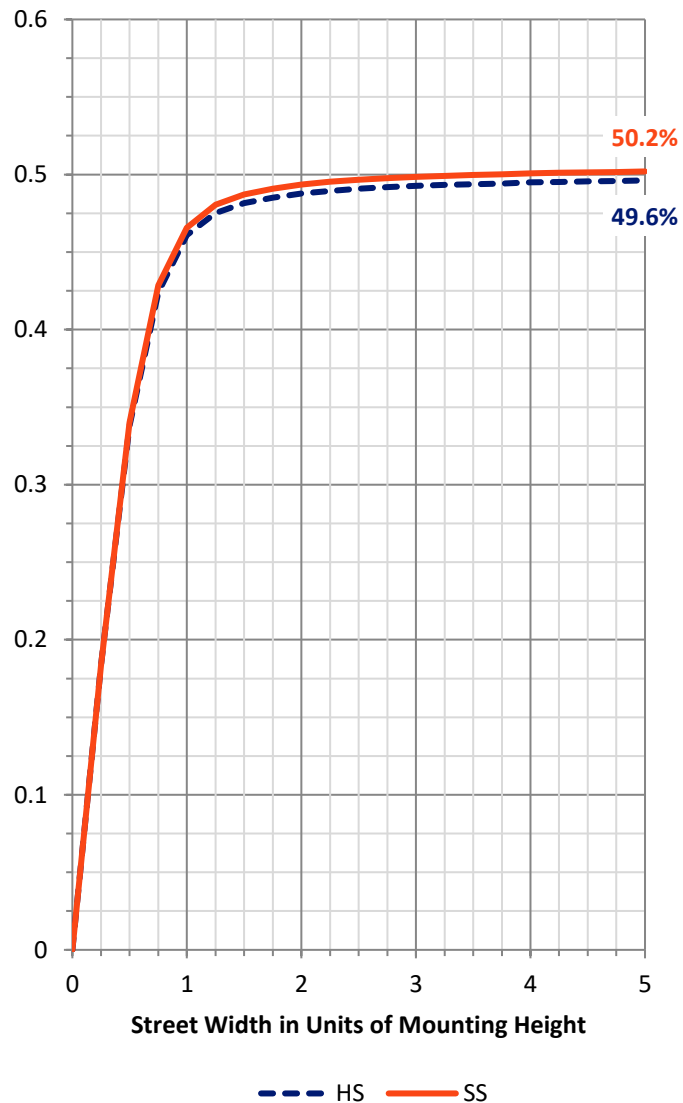
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17928.0	0.0	17928.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17928.0	0.0	17928.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35855.9	0.0	35855.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	632.9	1.8
10°-20°	2024.8	5.6
20°-30°	3389.0	9.5
30°-40°	4591.2	12.8
40°-50°	5815.5	16.2
50°-60°	7265.0	20.3
60°-70°	8539.7	23.8
70°-80°	3266.8	9.1
80°-90°	331.0	0.9
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°	35855.9	100.0
0°-180°	35855.9	100.0

**Coefficient of Utilization**

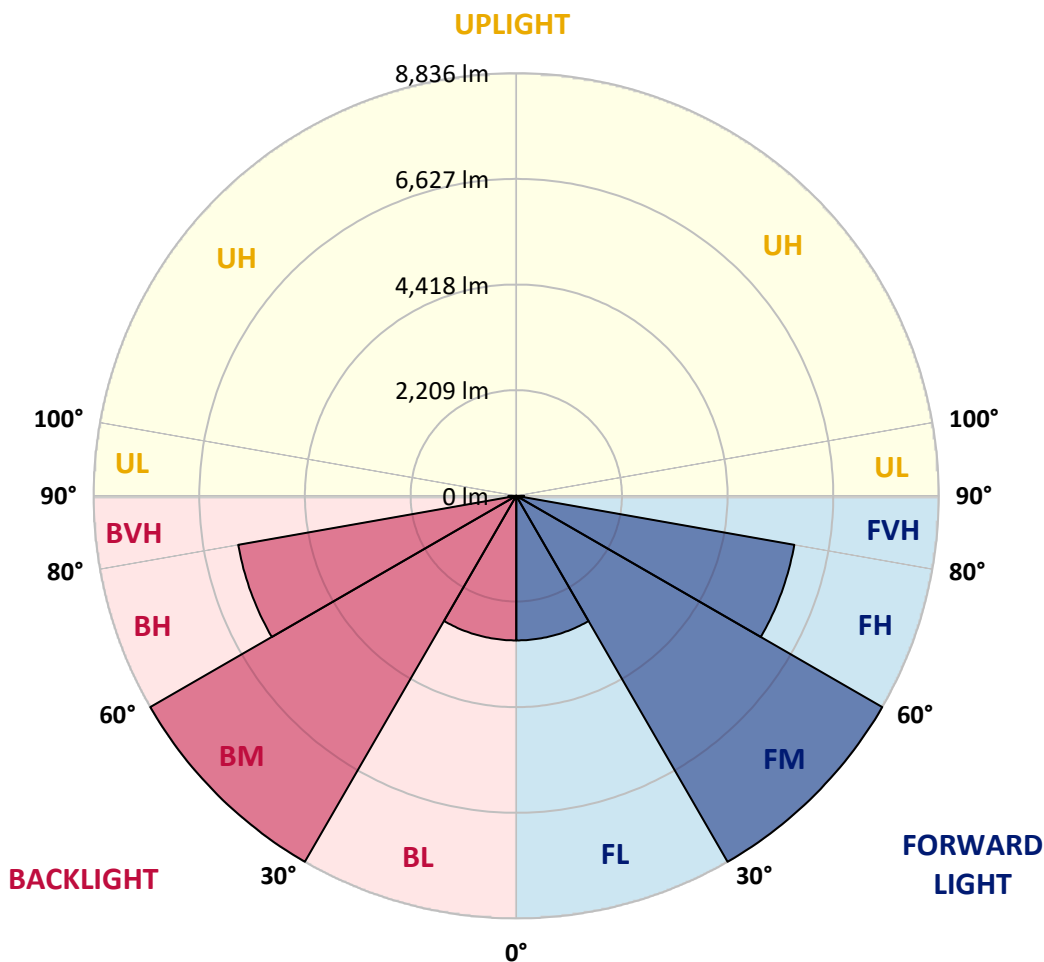


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3023.3	8.4			
FM (30°-60°)	8835.9	24.6			
FH (60°-80°)	5903.3	16.5			G3/7500
FVH (80°-90°)	165.5	0.5			G2/225
BL (0°-30°)	3023.3	8.4	B4/5000		
BM (30°-60°)	8835.9	24.6	B5		
BH (60°-80°)	5903.3	16.5	B5		G5
BVH (80°-90°)	165.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6	6347.6
2.5°	6429.1	6425.1	6427.0	6425.1	6431.0	6427.0	6403.2	6383.3	6367.4	6369.5	6363.5
5°	6566.0	6568.0	6570.0	6560.1	6574.0	6566.0	6528.3	6496.6	6464.8	6452.9	6448.9
7.5°	6679.2	6689.1	6695.0	6705.0	6728.9	6728.9	6709.0	6663.3	6593.8	6554.1	6552.1
10°	6792.4	6800.3	6818.2	6849.9	6889.6	6927.4	6919.4	6857.9	6768.6	6701.0	6685.2
12.5°	6832.1	6842.0	6901.6	6992.9	7082.2	7155.7	7155.7	7106.0	6990.9	6887.7	6857.9
15°	6693.1	6710.9	6818.2	7012.8	7247.1	7407.9	7443.6	7374.1	7251.0	7092.2	7056.4
17.5°	6417.1	6460.8	6617.6	6905.5	7294.7	7628.2	7731.5	7697.8	7538.9	7336.4	7294.7
20°	6121.3	6168.9	6335.7	6716.9	7255.0	7757.3	8057.1	8065.1	7868.5	7574.7	7513.1
22.5°	5795.6	5831.4	6045.9	6492.6	7135.9	7787.1	8337.1	8474.1	8208.0	7812.9	7725.5
25°	5430.3	5470.0	5694.4	6176.9	6911.5	7753.3	8593.2	8895.0	8563.4	8067.0	7955.8
27.5°	5080.9	5096.8	5337.0	5827.4	6615.6	7666.0	8781.8	9282.2	8956.6	8277.5	8136.5
30°	4745.3	4783.0	4995.5	5480.0	6276.1	7495.2	8944.6	9723.0	9379.5	8497.9	8317.2
32.5°	4389.9	4435.6	4665.9	5156.3	5936.6	7239.1	9043.9	10205.4	9969.2	8855.3	8662.7
35°	4048.4	4078.2	4310.5	4787.0	5605.0	6941.3	9061.8	10749.4	10729.6	9397.3	9141.2
37.5°	3699.0	3742.7	3976.9	4433.6	5253.6	6625.6	8972.4	11327.2	11646.9	10149.8	9873.9
40°	3363.5	3401.1	3631.5	4092.1	4854.5	6240.4	8760.0	11855.4	12717.1	10924.2	10533.0
42.5°	2998.1	3008.1	3260.2	3728.7	4463.4	5793.7	8454.2	12325.9	13910.4	11962.6	11476.1
45°	2583.1	2609.0	2843.2	3303.9	4014.7	5293.3	8039.2	12715.1	15423.3	13402.1	12738.9
47.5°	2168.1	2190.0	2404.4	2859.1	3524.3	4719.5	7399.9	13056.6	16975.9	15230.7	14361.1
50°	1763.1	1775.1	1949.7	2352.8	2972.3	4115.9	6607.7	13165.8	18731.1	17819.7	16709.9
52.5°	1393.8	1411.7	1544.7	1860.4	2382.6	3403.2	5752.0	12895.8	20780.1	20889.3	19324.8
55°	1129.7	1135.7	1234.9	1467.3	1862.4	2656.6	4719.5	12143.2	22984.0	24822.6	22827.2
57.5°	972.9	976.9	1032.5	1161.5	1433.5	2003.4	3661.2	10719.7	24963.6	29430.9	26865.7
60°	883.5	885.5	917.3	992.8	1135.7	1536.8	2622.8	8710.3	26917.3	34559.4	31885.0
62.5°	827.9	827.9	849.8	891.5	961.0	1179.4	1900.1	6284.0	28255.5	39763.4	38071.8
65°	774.3	774.3	790.2	820.0	857.7	965.0	1403.8	4098.1	28221.7	43553.7	44294.3
67.5°	712.8	712.8	724.7	754.5	776.3	829.9	1084.1	2684.4	25350.7	43470.4	47689.5
70°	639.3	639.3	655.2	681.1	698.9	732.7	855.7	1836.6	18623.9	37116.8	42412.1
72.5°	565.9	567.8	577.8	603.6	617.5	637.4	710.8	1286.6	11424.5	25273.3	29655.3
75°	484.4	488.4	498.4	524.1	536.1	544.0	599.6	917.3	5779.8	13626.4	15514.6
77.5°	391.1	399.1	405.0	432.8	440.8	452.7	494.4	663.1	2537.5	4896.3	4939.9
80°	285.9	295.8	313.7	339.5	345.5	353.4	377.2	470.6	1149.6	2235.7	2428.2
82.5°	210.5	224.3	202.5	236.3	236.3	226.4	266.1	315.7	528.1	2213.9	2648.7
85°	115.2	117.1	105.2	121.1	129.0	127.1	140.9	154.9	256.1	1477.2	1522.9
87.5°	27.8	29.8	31.8	37.7	45.6	45.6	49.6	43.7	83.4	478.5	274.0
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)