

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: P648532

Luminaire Tested: **GALN-SA7B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648532  
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-SA7B-835-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 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: 27192 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 286  
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

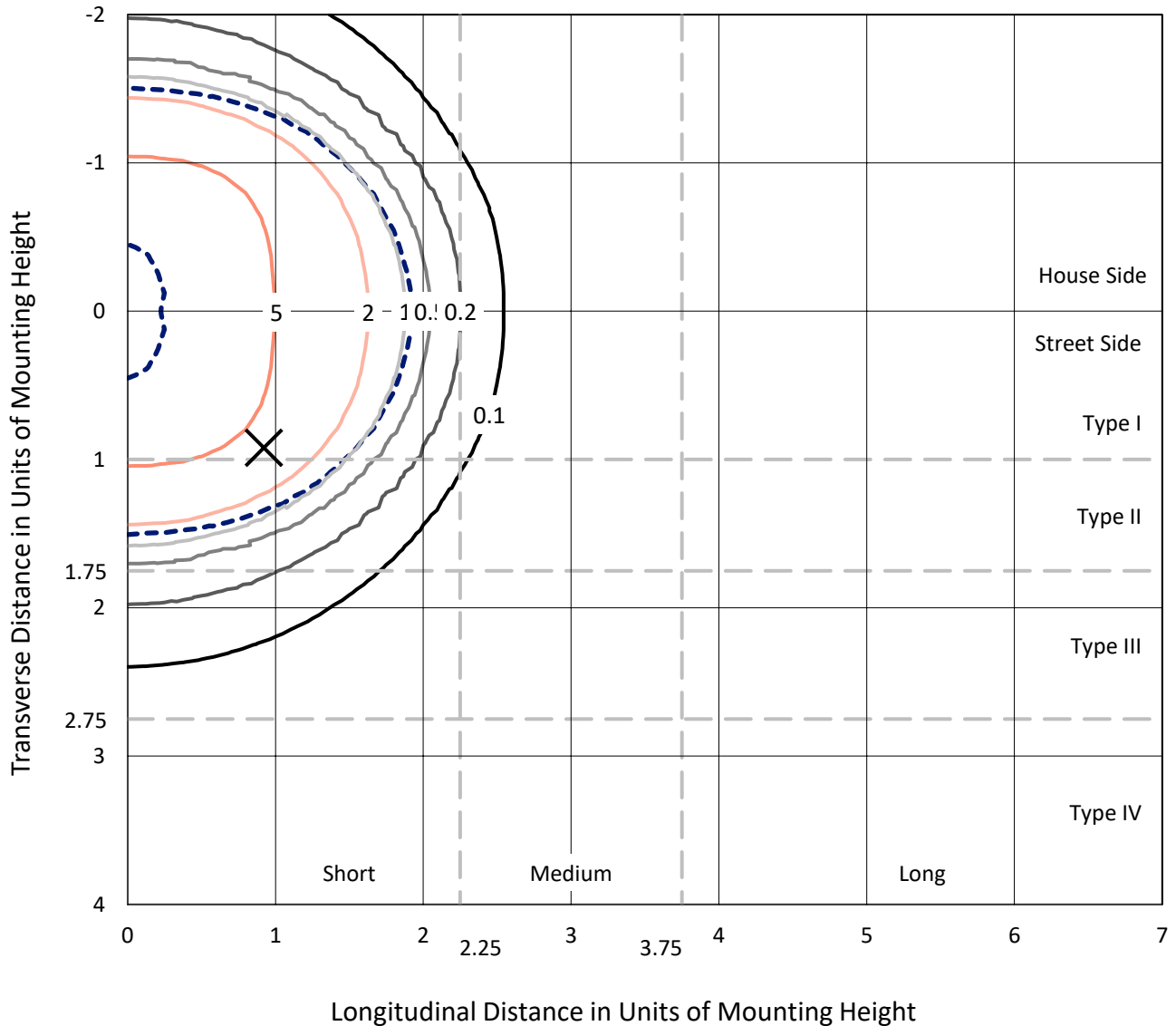




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### Iso-Footcandle Lines of Horizontal Illumination

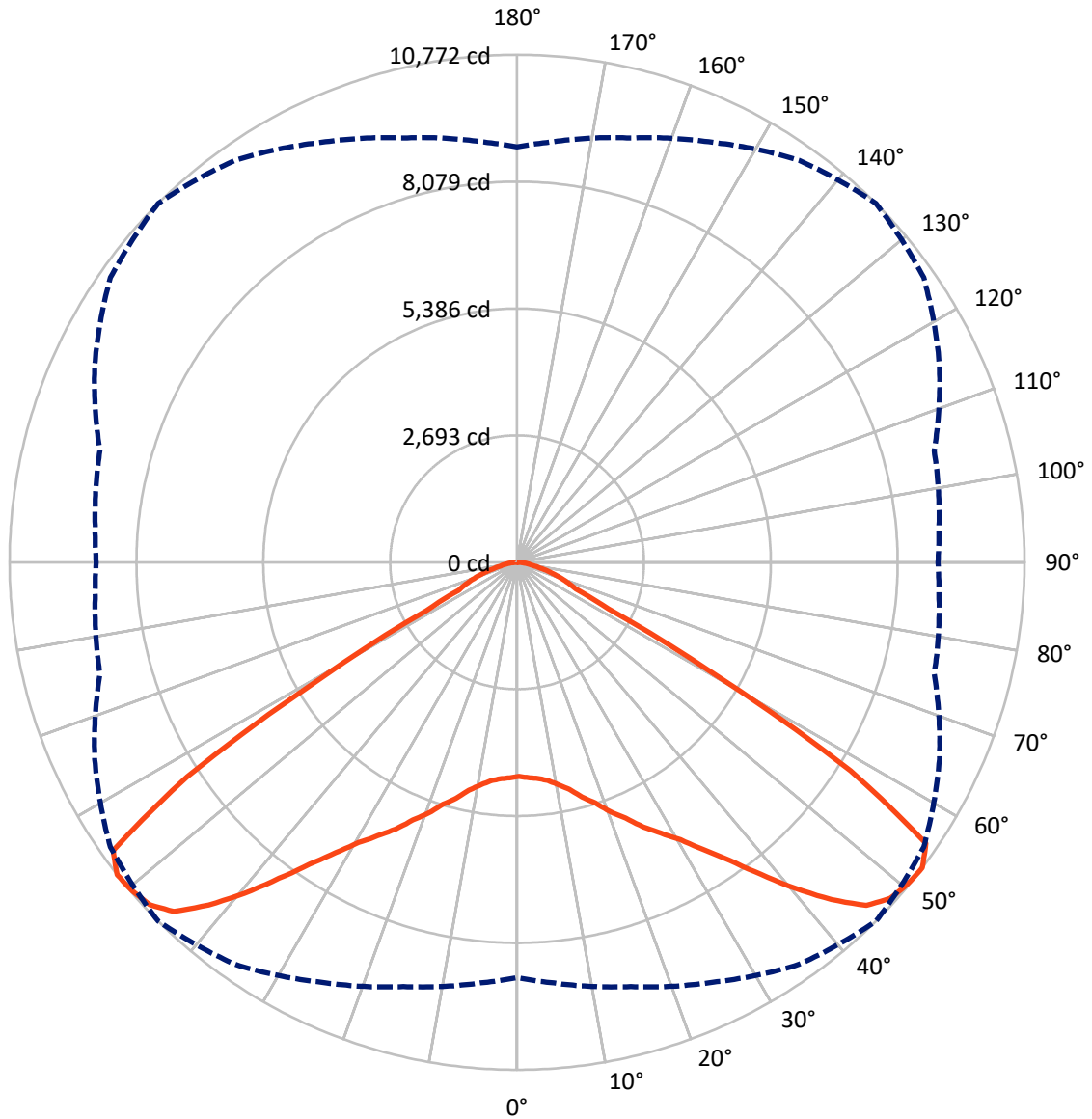
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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
<b>House Side</b>	Lumens	13596.0	0.0	13596.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13596.0	0.0	13596.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27192.0	0.0	27192.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.6	1.6
10°-20°	1467.4	5.4
20°-30°	2793.8	10.3
30°-40°	4797.1	17.6
40°-50°	7373.4	27.1
50°-60°	7487.5	27.5
60°-70°	2086.7	7.7
70°-80°	615.5	2.3
80°-90°	124.0	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°	27192.0	100.0
0°-180°	27192.0	100.0

**Coefficient of Utilization**



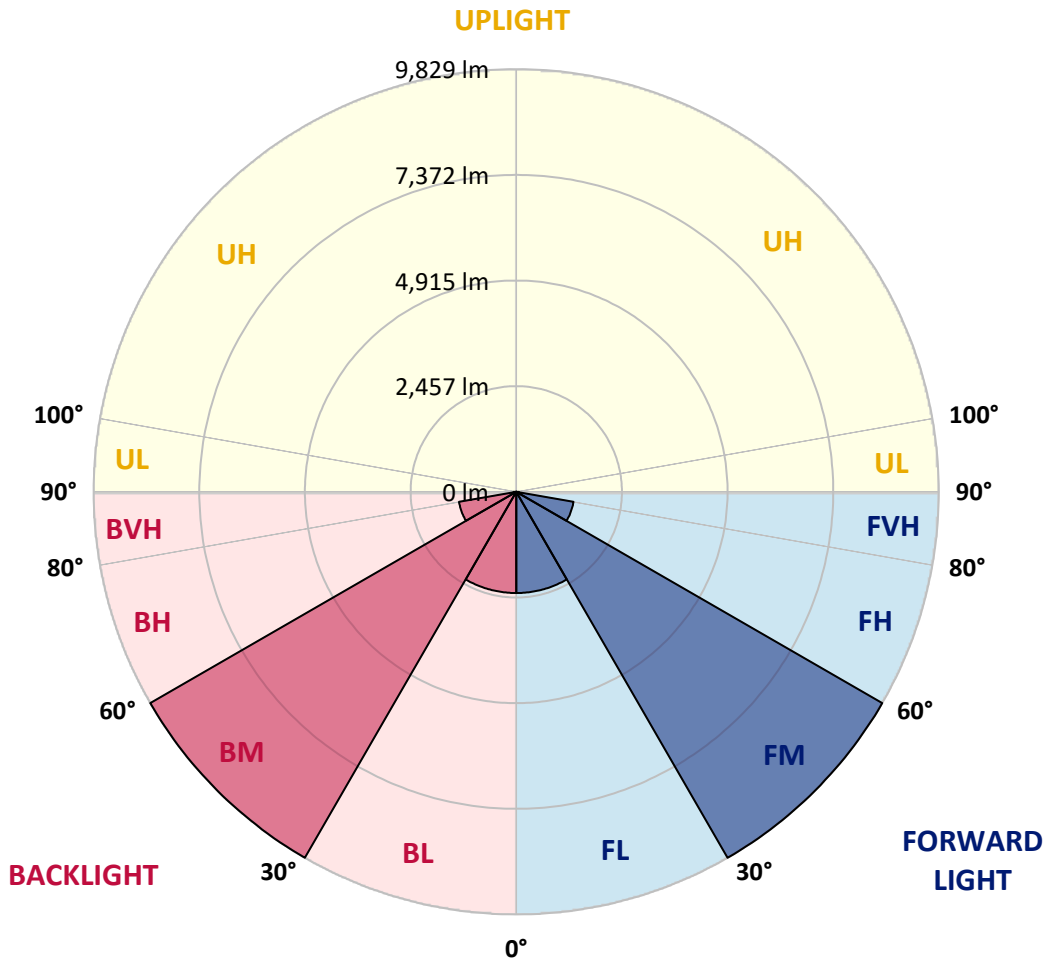
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2353.9	8.7			
FM (30°-60°)	9829.0	36.1			
FH (60°-80°)	1351.1	5.0			G1/1800
FVH (80°-90°)	62.0	0.2			G1/100
BL (0°-30°)	2353.9	8.7	B3/2500		
BM (30°-60°)	9829.0	36.1	B5		
BH (60°-80°)	1351.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	62.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5	4545.5
2.5°	4555.7	4508.4	4525.3	4535.4	4579.2	4575.9	4565.8	4579.2	4592.8	4596.1	4589.4
5°	4552.3	4518.5	4532.0	4542.1	4586.0	4609.6	4602.9	4660.3	4700.7	4690.6	4741.2
7.5°	4525.3	4545.5	4528.6	4579.2	4616.3	4673.7	4734.5	4788.4	4839.1	4896.5	4906.6
10°	4586.0	4586.0	4616.3	4656.9	4754.7	4798.6	4886.3	4964.0	5061.8	5129.3	5102.3
12.5°	4650.1	4660.3	4660.3	4764.9	4845.8	4943.7	5024.7	5129.3	5267.6	5348.7	5389.2
15°	4714.2	4721.0	4754.7	4896.5	5017.9	5173.2	5247.4	5341.9	5419.5	5571.4	5574.7
17.5°	4771.6	4808.7	4910.0	5068.6	5220.4	5368.9	5487.0	5584.8	5652.3	5713.1	5699.6
20°	4987.6	5014.6	5119.2	5277.8	5503.9	5649.0	5689.5	5706.3	5750.2	5871.7	5834.6
22.5°	5196.8	5207.0	5304.7	5547.7	5706.3	5898.7	5942.6	5932.5	5949.3	5979.7	6033.6
25°	5412.8	5429.6	5564.6	5770.5	5993.2	6222.7	6259.8	6182.2	6158.5	6192.3	6195.6
27.5°	5689.5	5692.9	5865.0	6043.8	6296.9	6512.8	6570.2	6509.5	6398.1	6425.1	6469.0
30°	6040.5	6016.8	6188.9	6445.3	6712.0	6833.5	6931.3	6901.0	6779.4	6755.8	6718.7
32.5°	6445.3	6452.2	6607.3	6887.4	7062.9	7265.4	7370.0	7319.4	7241.7	7201.3	7224.9
35°	7015.7	7046.1	7150.7	7383.5	7667.0	7768.2	7933.5	7825.5	7623.1	7673.7	7717.6
37.5°	7484.7	7572.5	7768.2	8044.9	8213.6	8399.2	8460.0	8314.8	8166.4	8105.6	8250.8
40°	8203.5	8176.5	8392.5	8669.2	8918.9	9104.5	9026.9	8881.8	8514.0	8517.3	8557.8
42.5°	8821.0	8834.5	8999.9	9330.6	9671.5	9786.2	9539.8	9185.5	8777.2	8733.3	8821.0
45°	9340.7	9394.7	9489.2	9931.3	10265.4	10390.2	9934.6	9516.2	8969.5	8787.3	8932.4
47.5°	9526.3	9614.1	9819.9	10224.9	10555.5	10656.8	10292.4	9691.7	9148.4	8851.4	8929.0
50°	9553.3	9522.9	9860.4	10231.6	10521.8	10741.2	10420.6	9819.9	9104.5	8949.3	8925.7
52.5°	8814.3	8962.8	9323.9	9833.4	10420.6	10771.5	10535.3	9890.8	9165.2	8989.8	8932.4
55°	7133.8	6958.3	7616.3	8473.5	9553.3	10528.5	10494.8	9927.9	9202.4	9057.3	8979.7
57.5°	3981.9	4032.6	4403.7	5335.1	6728.9	8348.6	9330.6	9536.5	9185.5	9101.1	9141.6
60°	1842.5	1859.4	2017.9	2453.3	3317.2	4734.5	6026.9	7339.6	7943.7	8065.1	8065.1
62.5°	1373.5	1366.7	1407.2	1484.8	1667.0	2176.6	2905.5	3948.2	4778.3	5358.8	5510.6
65°	1241.8	1238.5	1258.7	1285.7	1299.2	1370.1	1532.0	1852.7	2122.6	2277.8	2250.8
67.5°	1086.6	1083.2	1090.0	1106.8	1130.5	1167.6	1208.1	1275.6	1370.1	1363.3	1346.4
70°	877.4	877.4	887.5	901.0	928.0	971.9	1019.1	1066.4	1147.3	1164.2	1160.9
72.5°	647.9	637.8	658.0	685.0	712.1	766.0	816.7	860.5	917.9	934.7	928.0
75°	411.7	418.4	431.9	462.3	509.6	546.7	600.6	637.8	674.9	688.4	691.8
77.5°	229.5	236.2	259.9	297.0	344.2	384.7	431.9	462.3	485.9	489.3	492.7
80°	138.4	141.7	165.4	199.1	239.6	283.4	320.6	350.9	371.2	361.0	357.7
82.5°	84.3	87.8	108.0	138.4	172.1	205.9	246.3	273.3	293.5	280.1	266.6
85°	43.8	47.2	64.1	84.3	111.3	128.3	128.3	114.7	111.3	104.6	101.2
87.5°	13.5	13.5	16.8	20.3	16.8	20.3	23.6	27.0	27.0	30.4	27.0
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)