

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: P528152

Luminaire Tested: **GALN-SA3B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528152  
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-SA3B-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 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: 12448 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

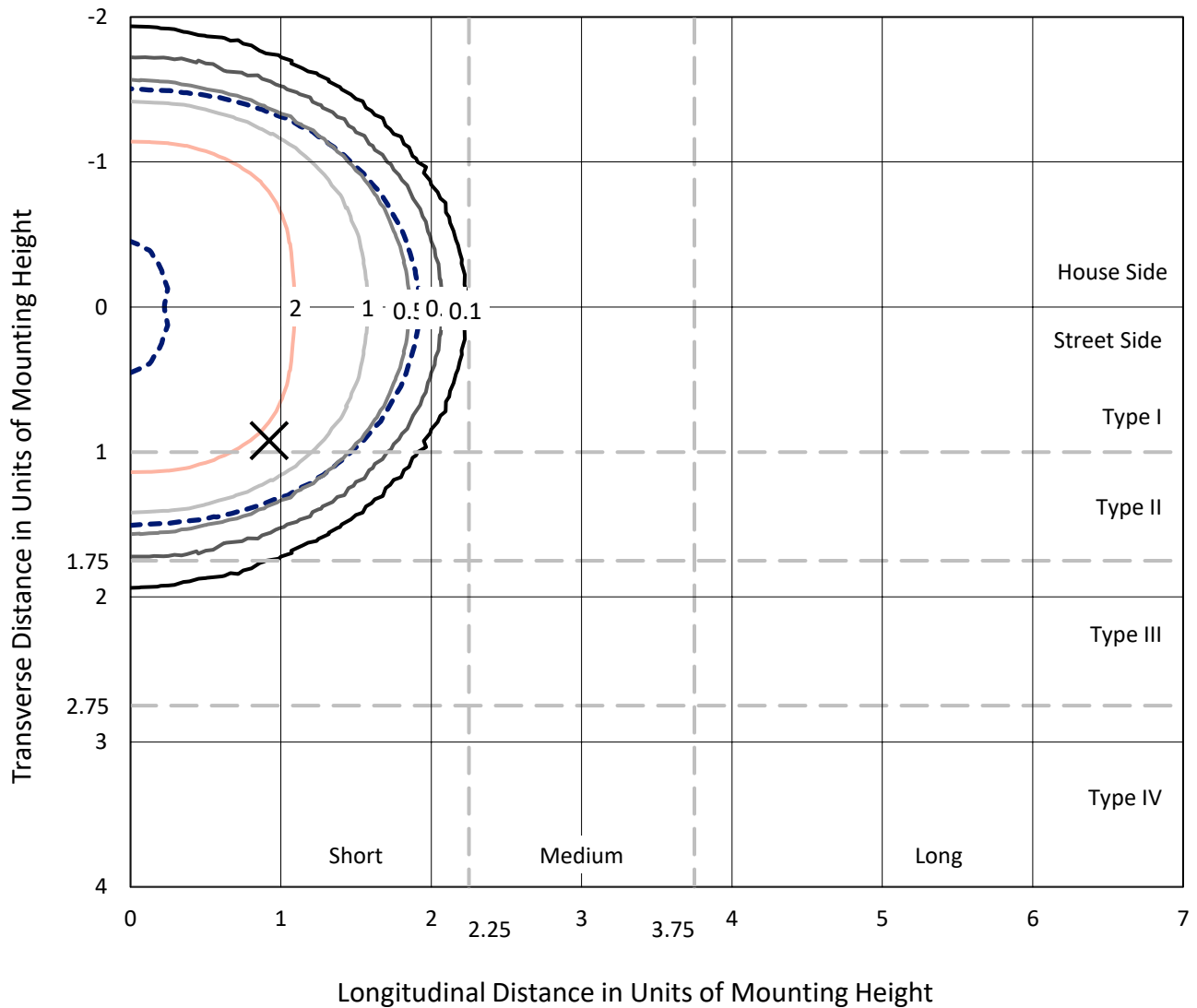
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

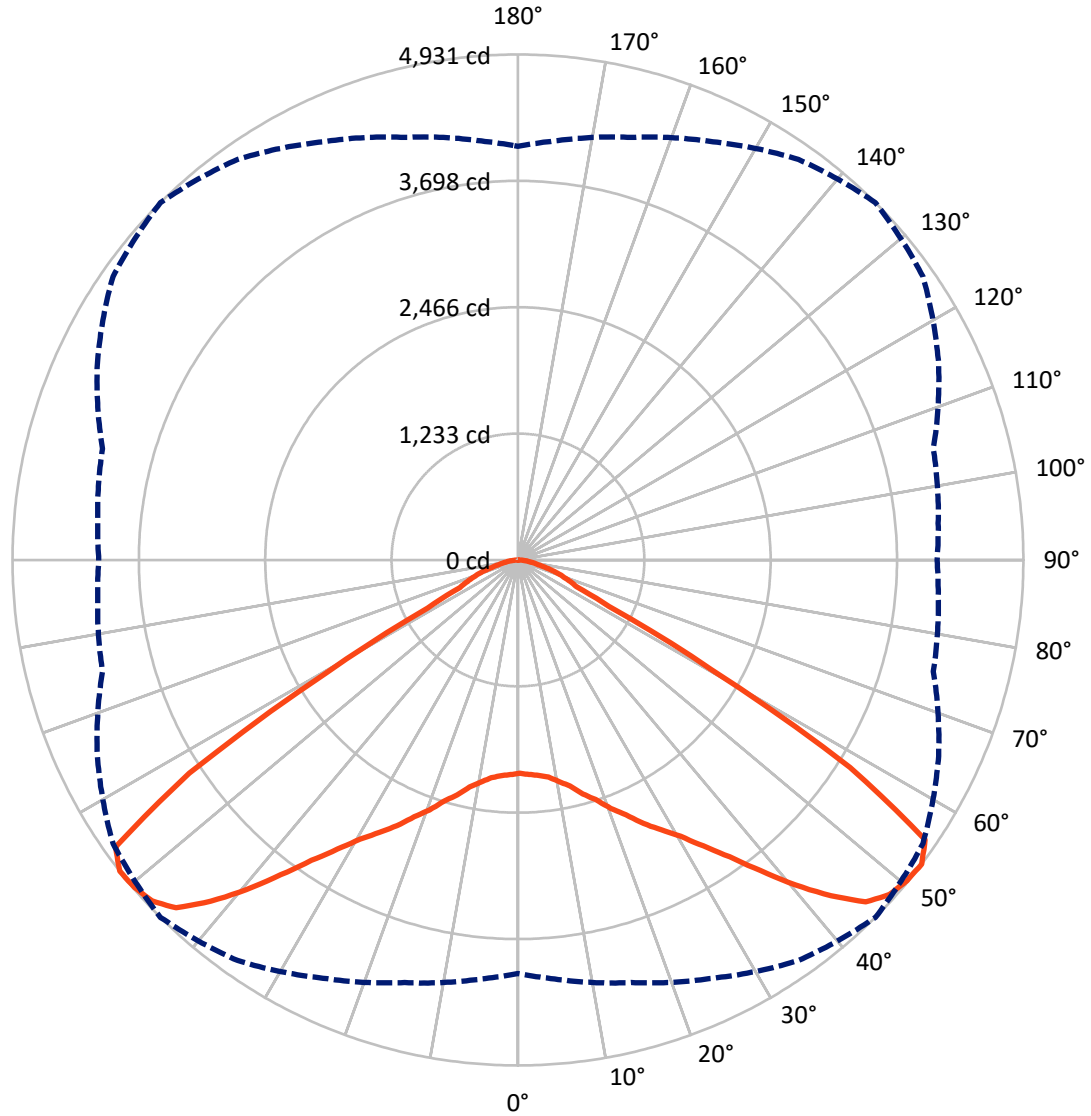
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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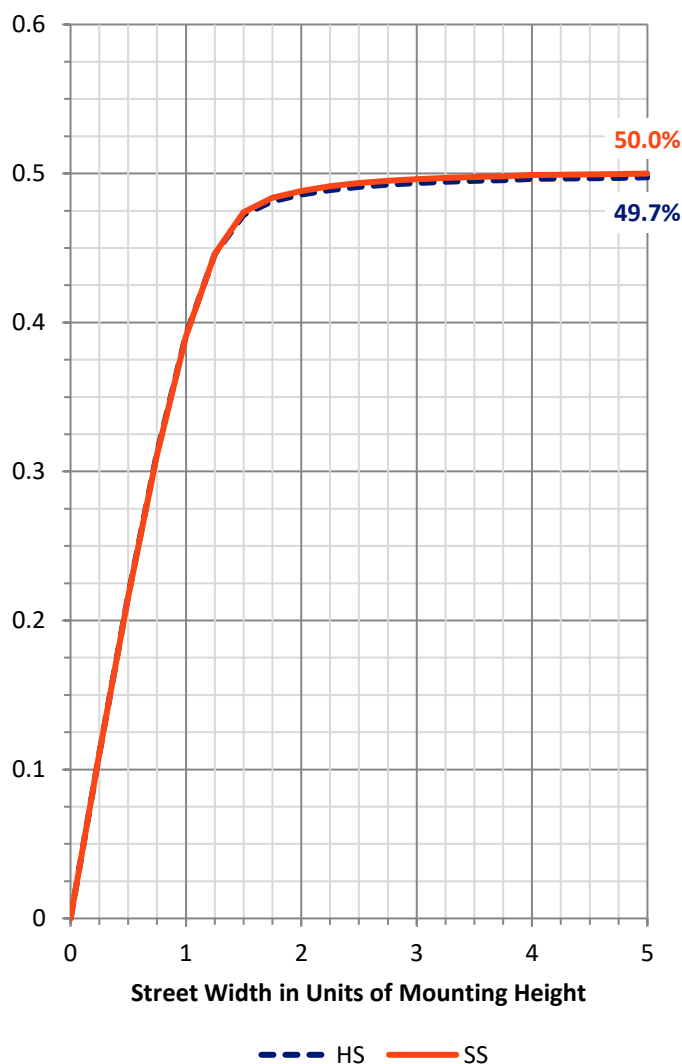
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6224.0	0.0	6224.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6224.0	0.0	6224.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12448.0	0.0	12448.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.4	1.6
10°-20°	671.8	5.4
20°-30°	1279.0	10.3
30°-40°	2196.0	17.6
40°-50°	3375.4	27.1
50°-60°	3427.6	27.5
60°-70°	955.2	7.7
70°-80°	281.8	2.3
80°-90°	56.8	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°	12448.0	100.0
0°-180°	12448.0	100.0

**Coefficient of Utilization**



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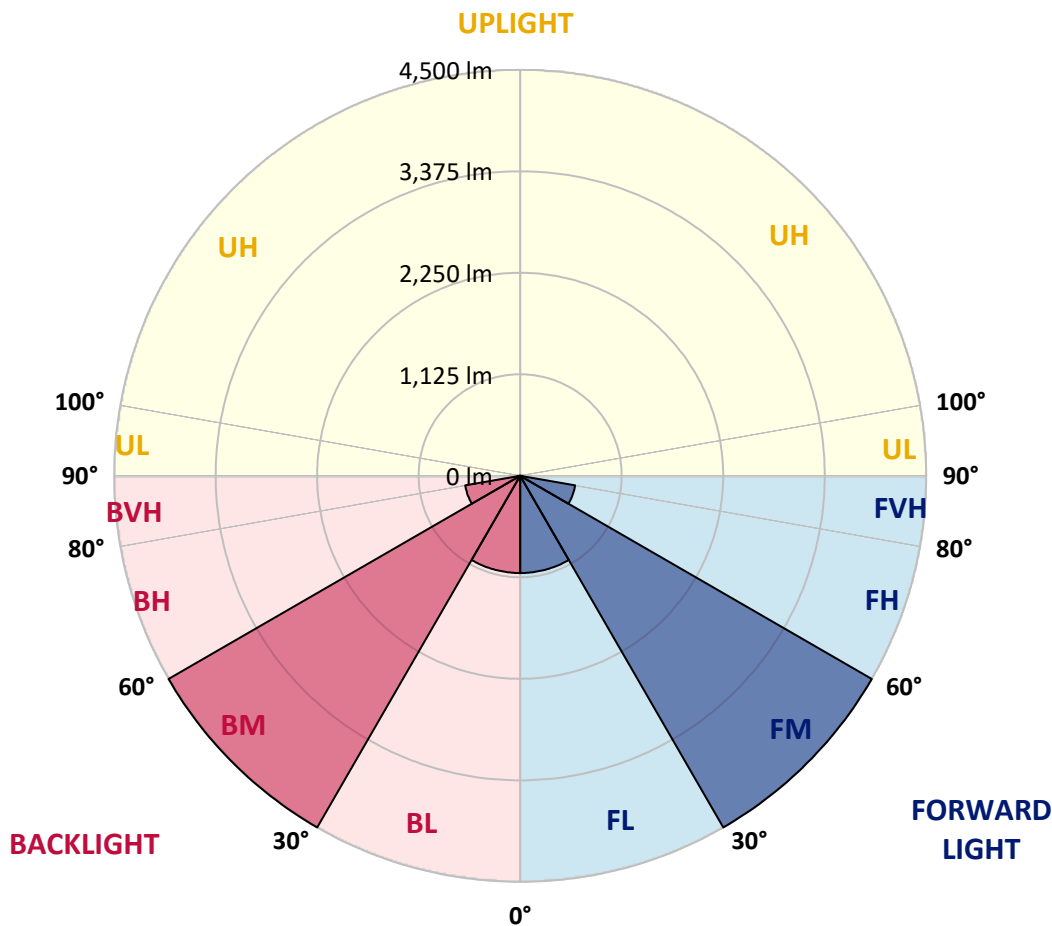
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1077.6	8.7			
FM (30°-60°)	4499.5	36.1			
FH (60°-80°)	618.5	5.0			G0/660
FVH (80°-90°)	28.4	0.2			G1/100
BL (0°-30°)	1077.6	8.7	B3/2500		
BM (30°-60°)	4499.5	36.1	B3/5000		
BH (60°-80°)	618.5	5.0	B2/1000		G0/660
BVH (80°-90°)	28.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2085.5	2063.9	2071.6	2076.2	2096.3	2094.8	2090.1	2096.3	2102.5	2104.0	2100.9
5°	2083.9	2068.5	2074.7	2079.3	2099.4	2110.2	2107.1	2133.4	2151.9	2147.3	2170.4
7.5°	2071.6	2080.8	2073.1	2096.3	2113.3	2139.5	2167.4	2192.1	2215.2	2241.5	2246.1
10°	2099.4	2099.4	2113.3	2131.8	2176.6	2196.7	2236.9	2272.4	2317.2	2348.1	2335.7
12.5°	2128.7	2133.4	2133.4	2181.3	2218.3	2263.1	2300.2	2348.1	2411.4	2448.5	2467.0
15°	2158.1	2161.2	2176.6	2241.5	2297.1	2368.2	2402.2	2445.4	2481.0	2550.5	2552.0
17.5°	2184.3	2201.3	2247.7	2320.3	2389.8	2457.8	2511.8	2556.6	2587.5	2615.3	2609.2
20°	2283.2	2295.6	2343.5	2416.1	2519.6	2586.0	2604.5	2612.3	2632.3	2688.0	2671.0
22.5°	2379.0	2383.6	2428.4	2539.7	2612.3	2700.3	2720.4	2715.8	2723.5	2737.4	2762.1
25°	2477.9	2485.6	2547.4	2641.6	2743.6	2848.6	2865.6	2830.1	2819.3	2834.7	2836.3
27.5°	2604.5	2606.1	2684.9	2766.7	2882.6	2981.5	3007.7	2979.9	2928.9	2941.3	2961.4
30°	2765.2	2754.4	2833.2	2950.6	3072.6	3128.2	3173.0	3159.1	3103.5	3092.7	3075.7
32.5°	2950.6	2953.7	3024.7	3152.9	3233.3	3326.0	3373.8	3350.7	3315.1	3296.6	3307.4
35°	3211.6	3225.5	3273.4	3380.0	3509.8	3556.1	3631.8	3582.4	3489.7	3512.9	3533.0
37.5°	3426.4	3466.5	3556.1	3682.8	3760.0	3845.0	3872.8	3806.4	3738.4	3710.6	3777.0
40°	3755.4	3743.1	3841.9	3968.6	4082.9	4167.9	4132.3	4065.9	3897.5	3899.1	3917.6
42.5°	4038.1	4044.3	4120.0	4271.4	4427.4	4479.9	4367.2	4204.9	4018.0	3997.9	4038.1
45°	4276.0	4300.7	4344.0	4546.3	4699.3	4756.4	4547.9	4356.3	4106.1	4022.7	4089.1
47.5°	4361.0	4401.1	4495.4	4680.7	4832.1	4878.5	4711.6	4436.7	4188.0	4052.0	4087.5
50°	4373.3	4359.4	4513.9	4683.8	4816.7	4917.1	4770.3	4495.4	4167.9	4096.8	4086.0
52.5°	4035.0	4103.0	4268.3	4501.6	4770.3	4931.0	4822.9	4527.8	4195.7	4115.4	4089.1
55°	3265.7	3185.4	3486.6	3879.0	4373.3	4819.8	4804.3	4544.8	4212.7	4146.2	4110.7
57.5°	1822.9	1846.0	2016.0	2442.3	3080.3	3821.8	4271.4	4365.6	4204.9	4166.3	4184.9
60°	843.5	851.2	923.8	1123.1	1518.5	2167.4	2759.0	3359.9	3636.5	3692.1	3692.1
62.5°	628.7	625.6	644.2	679.7	763.1	996.4	1330.1	1807.4	2187.4	2453.1	2522.7
65°	568.5	566.9	576.2	588.6	594.7	627.2	701.3	848.1	971.7	1042.7	1030.4
67.5°	497.4	495.9	499.0	506.7	517.5	534.5	553.0	583.9	627.2	624.1	616.4
70°	401.6	401.6	406.3	412.5	424.8	444.9	466.5	488.2	525.2	533.0	531.4
72.5°	296.6	292.0	301.2	313.6	326.0	350.7	373.8	393.9	420.2	427.9	424.8
75°	188.5	191.6	197.7	211.6	233.3	250.3	275.0	292.0	309.0	315.1	316.7
77.5°	105.0	108.1	118.9	135.9	157.6	176.1	197.7	211.6	222.5	224.0	225.5
80°	63.3	64.9	75.7	91.1	109.7	129.8	146.8	160.7	169.9	165.3	163.7
82.5°	38.6	40.2	49.4	63.3	78.8	94.2	112.8	125.1	134.4	128.2	122.0
85°	20.1	21.6	29.4	38.6	51.0	58.7	58.7	52.5	51.0	47.9	46.3
87.5°	6.2	6.2	7.7	9.3	7.7	9.3	10.8	12.4	12.4	13.9	12.4
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)