

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: P529556

Luminaire Tested: **GALN-SA4D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529556  
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-SA4D-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 1200mA 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: 22426 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

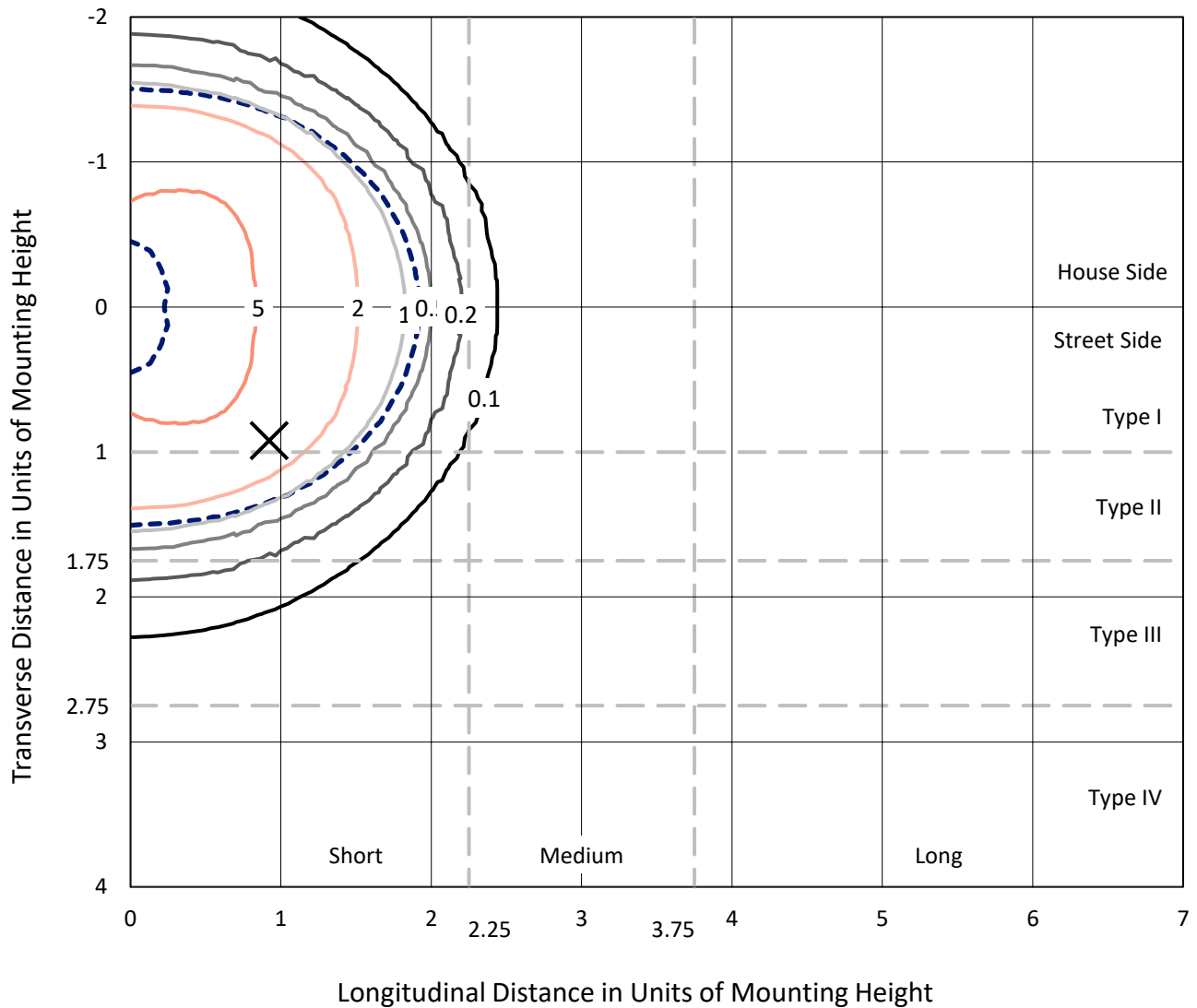
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

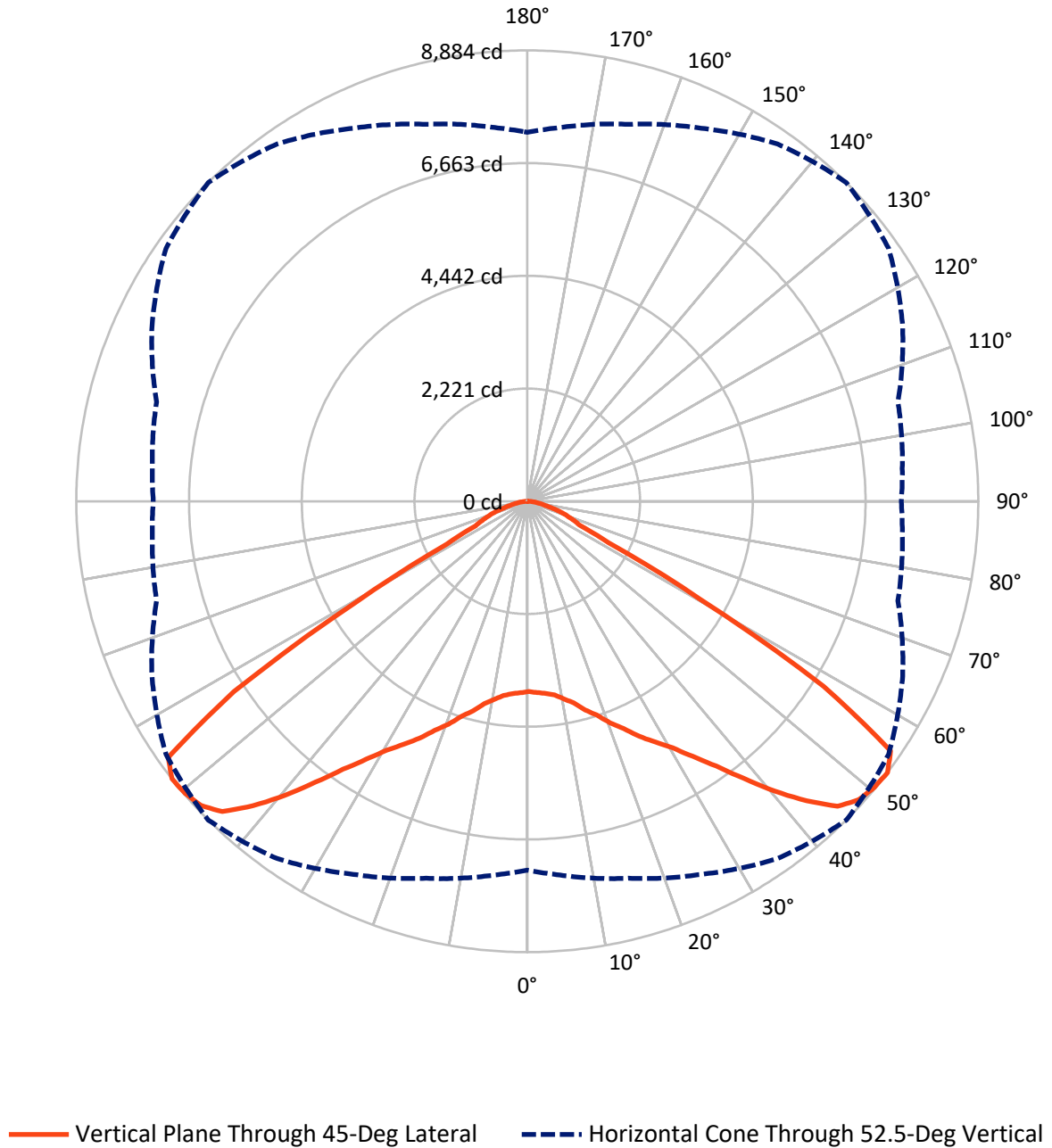
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11213.0	0.0	11213.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11213.0	0.0	11213.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22426.0	0.0	22426.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.3	1.6
10°-20°	1210.2	5.4
20°-30°	2304.1	10.3
30°-40°	3956.3	17.6
40°-50°	6081.0	27.1
50°-60°	6175.1	27.5
60°-70°	1720.9	7.7
70°-80°	507.7	2.3
80°-90°	102.3	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°	22426.0	100.0
0°-180°	22426.0	100.0

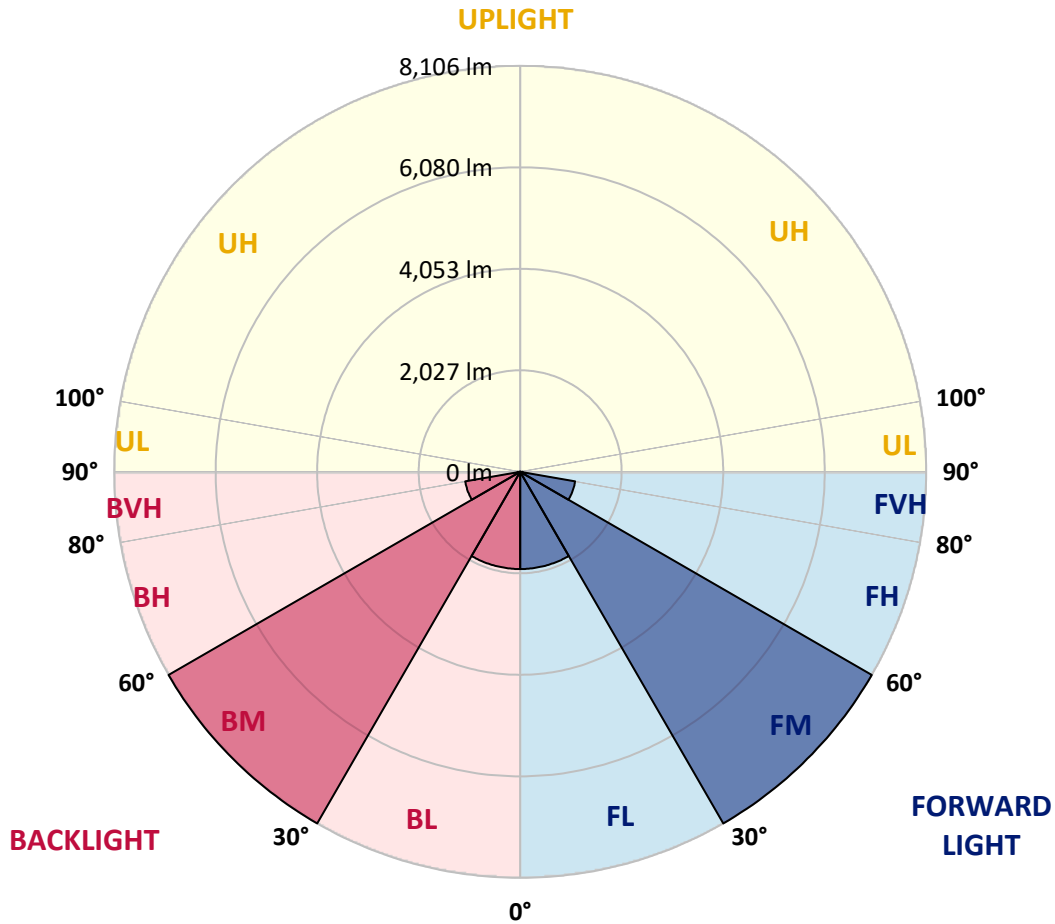


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1941.3	8.7			
FM (30°-60°)	8106.2	36.1			
FH (60°-80°)	1114.3	5.0			G1/1800
FVH (80°-90°)	51.1	0.2			G1/100
BL (0°-30°)	1941.3	8.7	B3/2500		
BM (30°-60°)	8106.2	36.1	B4/8500		
BH (60°-80°)	1114.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	51.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8	3748.8
2.5°	3757.2	3718.2	3732.1	3740.5	3776.6	3773.8	3765.5	3776.6	3787.8	3790.5	3785.0
5°	3754.4	3726.5	3737.7	3746.0	3782.2	3801.7	3796.1	3843.4	3876.8	3868.5	3910.2
7.5°	3732.1	3748.8	3734.9	3776.6	3807.2	3854.6	3904.7	3949.2	3990.9	4038.2	4046.6
10°	3782.2	3782.2	3807.2	3840.6	3921.4	3957.5	4029.9	4093.9	4174.6	4230.3	4208.0
12.5°	3835.1	3843.4	3843.4	3929.7	3996.5	4077.2	4144.0	4230.3	4344.4	4411.2	4444.6
15°	3888.0	3893.5	3921.4	4038.2	4138.4	4266.5	4327.7	4405.6	4469.6	4594.9	4597.6
17.5°	3935.3	3965.9	4049.4	4180.2	4305.4	4427.9	4525.3	4606.0	4661.6	4711.7	4700.6
20°	4113.4	4135.6	4221.9	4352.7	4539.2	4658.9	4692.3	4706.2	4742.4	4842.5	4811.9
22.5°	4285.9	4294.3	4375.0	4575.4	4706.2	4864.8	4901.0	4892.6	4906.6	4931.6	4976.1
25°	4464.1	4478.0	4589.3	4759.1	4942.7	5132.0	5162.6	5098.6	5079.1	5106.9	5109.7
27.5°	4692.3	4695.0	4837.0	4984.5	5193.2	5371.3	5418.6	5368.6	5276.7	5299.0	5335.2
30°	4981.7	4962.2	5104.2	5315.7	5535.5	5635.7	5716.4	5691.4	5591.2	5571.7	5541.1
32.5°	5315.7	5321.2	5449.3	5680.3	5825.0	5992.0	6078.2	6036.5	5972.5	5939.1	5958.6
35°	5786.0	5811.1	5897.3	6089.4	6323.1	6406.6	6543.0	6453.9	6287.0	6328.7	6364.9
37.5°	6172.9	6245.2	6406.6	6634.8	6774.0	6927.1	6977.2	6857.5	6735.0	6684.9	6804.6
40°	6765.7	6743.4	6921.5	7149.7	7355.7	7508.7	7444.7	7325.1	7021.7	7024.5	7057.9
42.5°	7275.0	7286.1	7422.5	7695.2	7976.3	8070.9	7867.8	7575.5	7238.8	7202.6	7275.0
45°	7703.6	7748.1	7826.0	8190.6	8466.1	8569.1	8193.4	7848.3	7397.4	7247.1	7366.8
47.5°	7856.6	7929.0	8098.7	8432.7	8705.5	8788.9	8488.4	7993.0	7544.9	7300.0	7364.0
50°	7878.9	7853.8	8132.1	8438.3	8677.6	8858.5	8594.1	8098.7	7508.7	7380.7	7361.2
52.5°	7269.4	7391.8	7689.6	8109.9	8594.1	8883.6	8688.8	8157.2	7558.8	7414.1	7366.8
55°	5883.4	5738.7	6281.4	6988.3	7878.9	8683.2	8655.4	8187.8	7589.4	7469.8	7405.8
57.5°	3284.0	3325.8	3631.9	4400.0	5549.5	6885.3	7695.2	7865.0	7575.5	7506.0	7539.3
60°	1519.6	1533.5	1664.3	2023.3	2735.8	3904.7	4970.6	6053.2	6551.4	6651.5	6651.5
62.5°	1132.7	1127.1	1160.5	1224.6	1374.8	1795.1	2396.2	3256.2	3940.8	4419.5	4544.8
65°	1024.2	1021.4	1038.1	1060.4	1071.5	1129.9	1263.5	1527.9	1750.6	1878.6	1856.3
67.5°	896.2	893.4	898.9	912.8	932.3	962.9	996.3	1052.0	1129.9	1124.4	1110.4
70°	723.6	723.6	731.9	743.1	765.3	801.5	840.5	879.5	946.2	960.2	957.4
72.5°	534.4	526.0	542.7	565.0	587.2	631.8	673.5	709.7	757.0	770.9	765.3
75°	339.5	345.1	356.2	381.3	420.2	450.9	495.4	526.0	556.6	567.7	570.5
77.5°	189.2	194.8	214.3	244.9	283.9	317.3	356.2	381.3	400.8	403.5	406.3
80°	114.1	116.9	136.4	164.2	197.6	233.8	264.4	289.4	306.1	297.8	295.0
82.5°	69.6	72.4	89.1	114.1	141.9	169.8	203.2	225.4	242.1	231.0	219.9
85°	36.2	39.0	52.9	69.6	91.8	105.8	105.8	94.6	91.8	86.3	83.5
87.5°	11.1	11.1	13.9	16.7	13.9	16.7	19.5	22.3	22.3	25.0	22.3
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)