

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: P528380

Luminaire Tested: **GALN-SA3C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15810 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

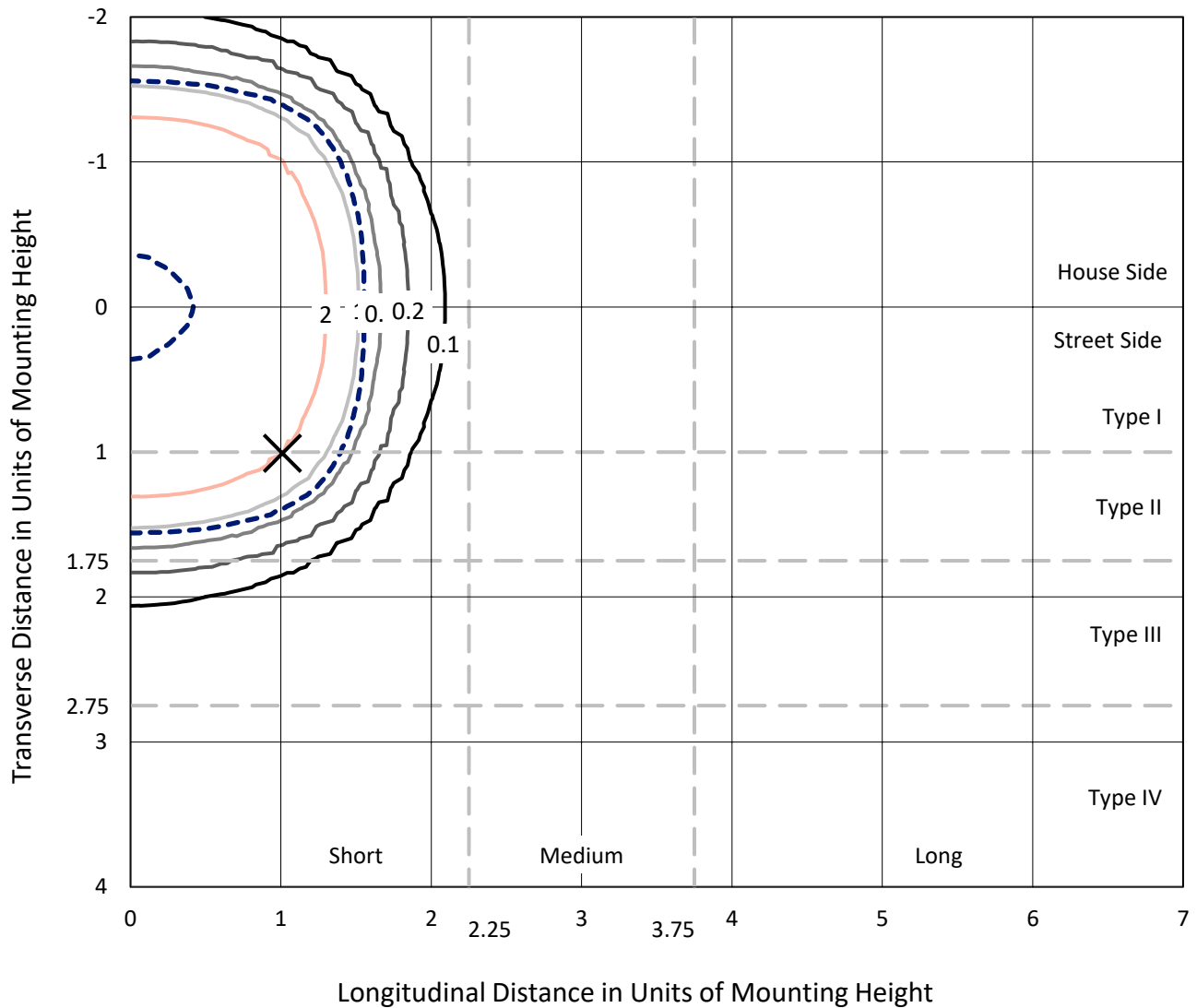
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

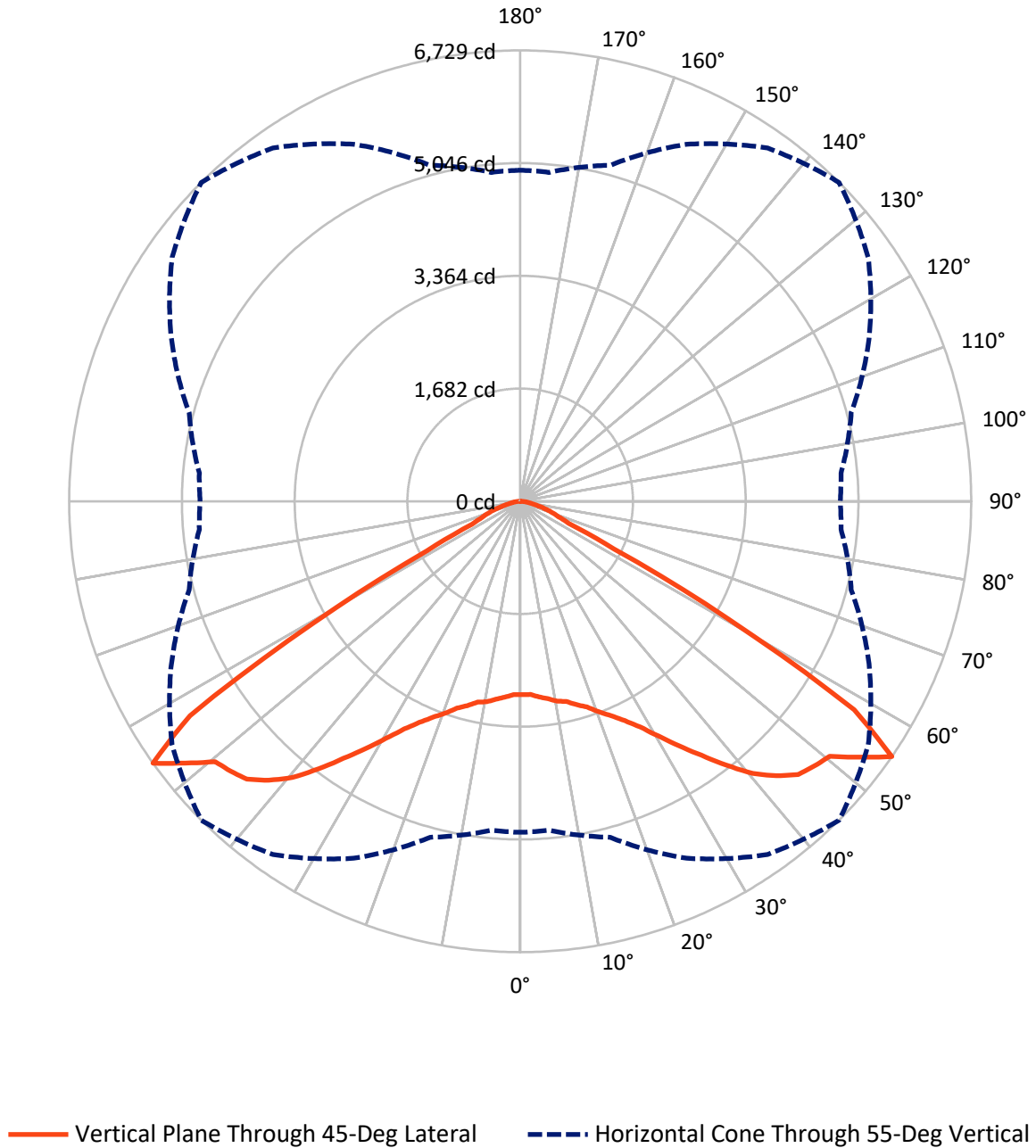
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	7905.0	0.0	7905.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7905.0	0.0	7905.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15810.0	0.0	15810.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.0	1.8
10°-20°	893.5	5.7
20°-30°	1666.1	10.5
30°-40°	2789.6	17.6
40°-50°	4340.9	27.5
50°-60°	4507.2	28.5
60°-70°	955.8	6.0
70°-80°	314.8	2.0
80°-90°	60.0	0.4
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°	15810.0	100.0
0°-180°	15810.0	100.0

**Coefficient of Utilization**

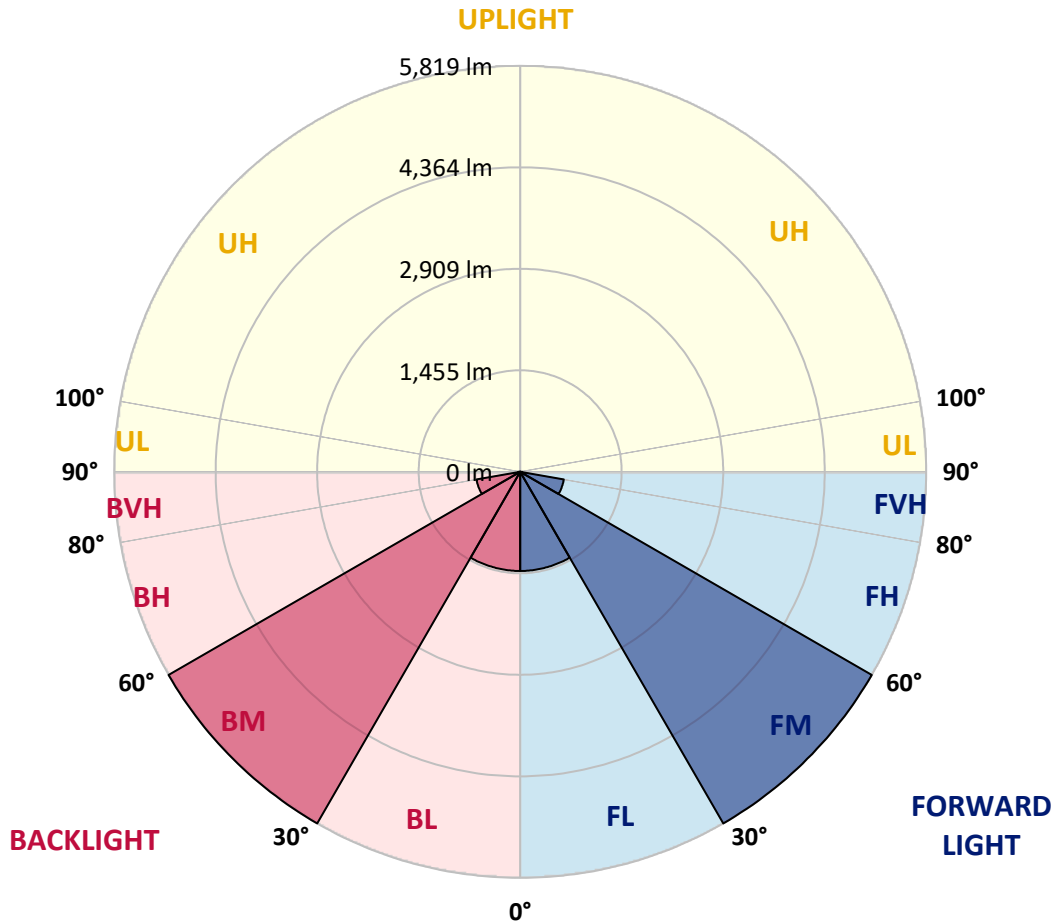


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.8	9.0			
FM (30°-60°)	5818.9	36.8			
FH (60°-80°)	635.3	4.0			G0/660
FVH (80°-90°)	30.0	0.2			G1/100
BL (0°-30°)	1420.8	9.0	B3/2500		
BM (30°-60°)	5818.9	36.8	B4/8500		
BH (60°-80°)	635.3	4.0	B2/1000		G0/660
BVH (80°-90°)	30.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7	2886.7
2.5°	2921.1	2907.7	2884.8	2902.0	2915.3	2886.7	2898.1	2903.9	2900.0	2884.8	2890.5
5°	2963.1	2955.4	2936.3	2949.7	2932.5	2932.5	2921.1	2905.8	2928.7	2924.9	2934.4
7.5°	2963.1	2953.5	2991.7	2966.9	2974.6	2974.6	2955.4	2940.2	2951.6	2934.4	2924.9
10°	3022.3	3035.7	3018.5	3024.2	3020.4	3033.8	3005.1	2995.6	2986.0	2980.3	2968.8
12.5°	3093.0	3083.4	3089.2	3085.4	3098.7	3064.3	3047.1	3026.1	3043.3	3018.5	3035.7
15°	3150.3	3144.6	3150.3	3165.6	3152.2	3150.3	3119.7	3098.7	3072.0	3077.7	3051.0
17.5°	3228.6	3222.9	3224.8	3238.2	3236.3	3226.7	3203.8	3163.7	3154.1	3138.8	3121.7
20°	3345.2	3335.6	3331.8	3337.5	3347.1	3354.7	3308.9	3293.6	3261.1	3236.3	3207.6
22.5°	3444.5	3440.7	3456.0	3431.1	3452.2	3475.1	3431.1	3423.5	3343.3	3329.9	3299.3
25°	3582.1	3576.3	3566.8	3603.1	3627.9	3626.0	3584.0	3542.0	3480.8	3465.5	3465.5
27.5°	3727.3	3694.8	3744.5	3754.0	3797.9	3811.3	3775.0	3713.9	3656.6	3624.1	3631.7
30°	3908.8	3878.2	3889.6	3958.4	4015.7	4065.4	3973.7	3883.9	3803.7	3746.4	3736.8
32.5°	4090.2	4059.7	4094.1	4160.9	4275.6	4350.1	4260.3	4103.6	4010.0	3925.9	3943.1
35°	4237.3	4260.3	4315.7	4416.9	4535.4	4655.7	4512.5	4392.1	4258.4	4164.8	4178.1
37.5°	4474.2	4544.9	4588.9	4705.4	4873.5	4997.7	4848.7	4692.0	4548.8	4426.5	4384.5
40°	4783.7	4831.5	4881.2	5018.7	5217.4	5341.6	5200.2	4995.8	4854.4	4728.3	4722.6
42.5°	5123.8	5169.6	5221.2	5389.3	5507.8	5601.4	5471.5	5362.6	5205.9	5106.6	5100.9
45°	5519.3	5486.8	5544.1	5654.9	5754.2	5815.4	5731.3	5677.8	5565.1	5473.4	5463.8
47.5°	5782.9	5754.2	5857.4	5956.7	5972.0	5905.2	5922.4	5972.0	5853.6	5702.7	5750.4
50°	5935.7	5935.7	6004.5	6096.2	6067.5	5981.6	6117.2	6121.0	6002.6	5868.9	5868.9
52.5°	5670.2	5729.4	5924.3	6224.2	6319.7	6344.6	6314.0	6184.1	5874.6	5601.4	5588.0
55°	4940.4	4927.0	5190.7	5878.4	6434.4	6728.6	6338.8	5740.9	5112.3	4804.7	4774.2
57.5°	3213.4	3228.6	3622.2	4323.3	5326.3	5874.6	5217.4	4376.8	3622.2	3198.1	3238.2
60°	1446.2	1497.8	1736.6	2260.0	3121.7	3568.7	3129.3	2374.7	1822.6	1581.8	1602.9
62.5°	831.0	840.6	850.1	1008.7	1329.7	1572.3	1381.2	1066.0	939.9	897.9	897.9
65°	701.1	695.4	697.3	710.7	745.1	794.7	773.7	745.1	748.9	745.1	739.3
67.5°	596.1	603.7	598.0	607.5	609.4	617.1	630.4	641.9	643.8	647.6	643.8
70°	489.1	491.0	494.8	502.4	504.4	510.1	529.2	538.7	544.5	544.5	552.1
72.5°	374.4	372.5	376.4	384.0	393.6	395.5	412.7	426.0	433.7	424.1	426.0
75°	246.4	248.4	254.1	259.8	273.2	286.6	292.3	305.7	307.6	311.4	301.8
77.5°	147.1	150.9	156.7	168.1	179.6	191.0	204.4	214.0	217.8	214.0	202.5
80°	95.5	95.5	103.2	112.7	126.1	135.6	143.3	150.9	156.7	150.9	147.1
82.5°	59.2	59.2	68.8	80.2	89.8	95.5	107.0	116.5	122.3	118.4	112.7
85°	30.6	32.5	40.1	49.7	57.3	61.1	59.2	53.5	47.8	45.9	42.0
87.5°	9.6	9.6	11.5	11.5	9.6	9.6	11.5	9.6	11.5	11.5	11.5
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)