

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: P528664

Luminaire Tested: **GALN-SA3D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3D-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18988 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

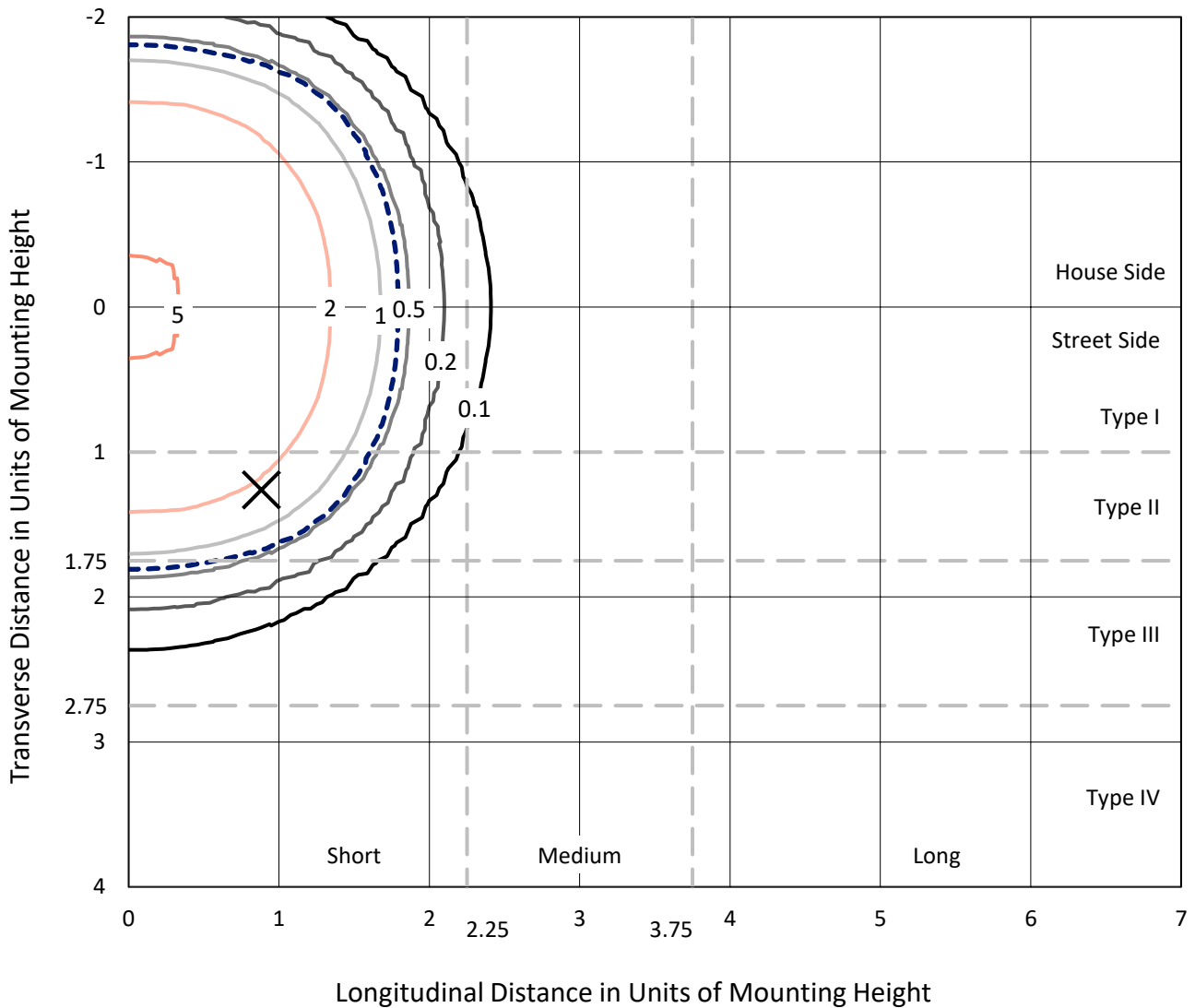
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

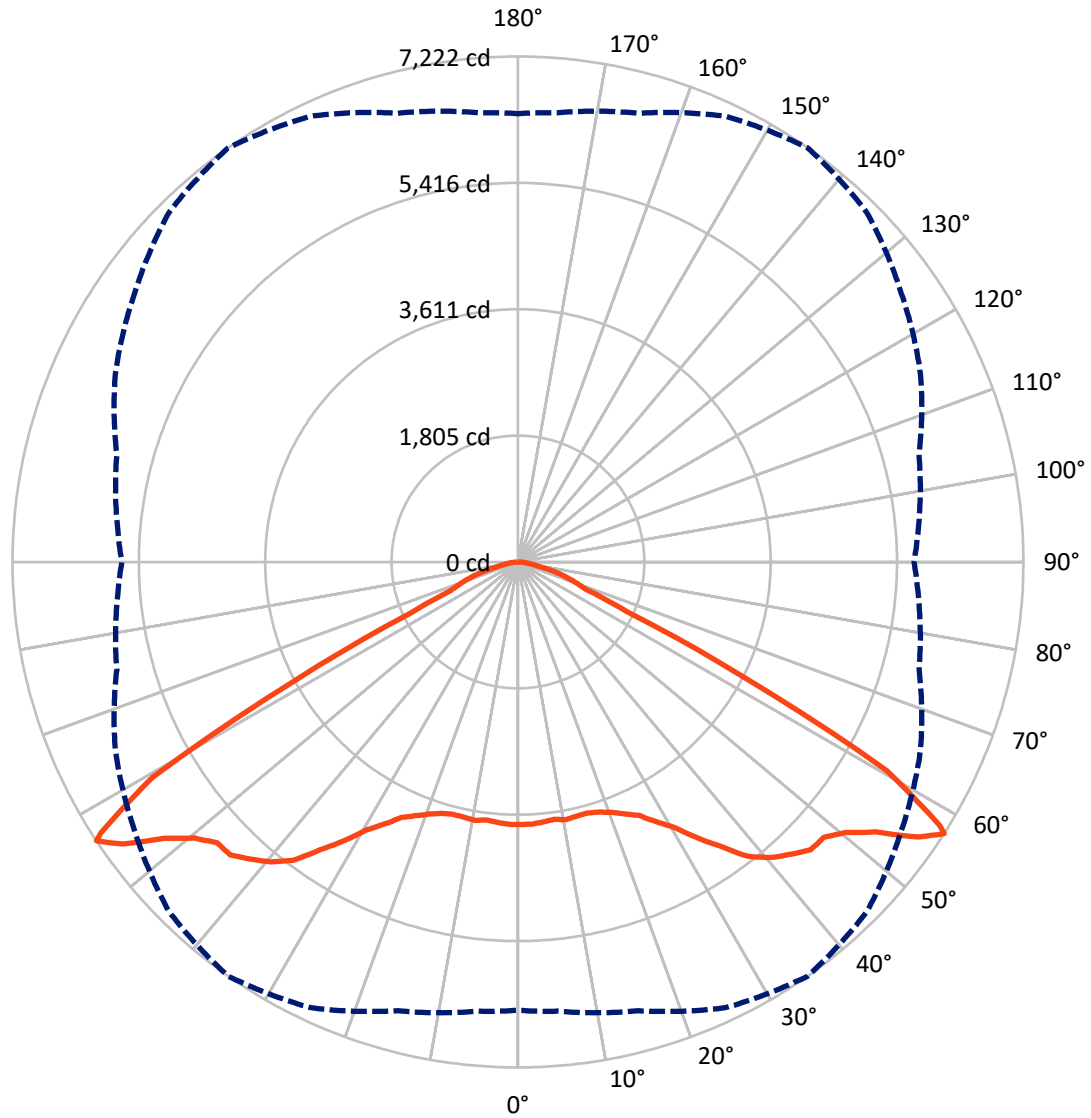
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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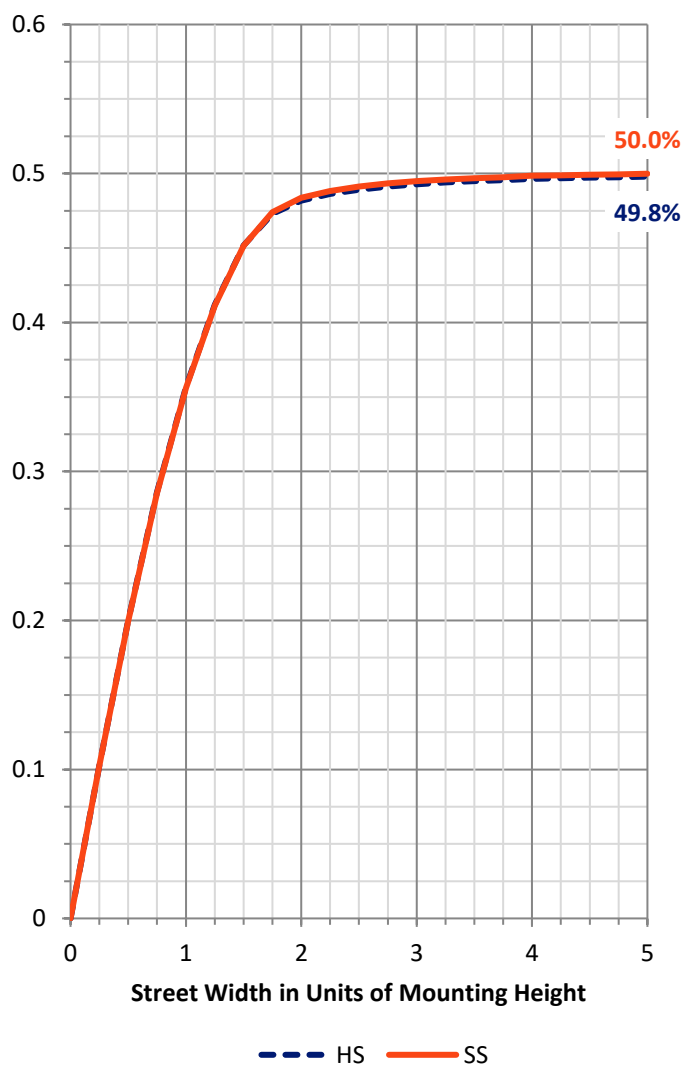
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9494.0	0.0	9494.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9494.0	0.0	9494.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18988.0	0.0	18988.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.5	1.9
10°-20°	1052.9	5.5
20°-30°	1838.9	9.7
30°-40°	3013.1	15.9
40°-50°	4418.0	23.3
50°-60°	5564.8	29.3
60°-70°	2092.9	11.0
70°-80°	556.5	2.9
80°-90°	95.4	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°	18988.0	100.0
0°-180°	18988.0	100.0

**Coefficient of Utilization**



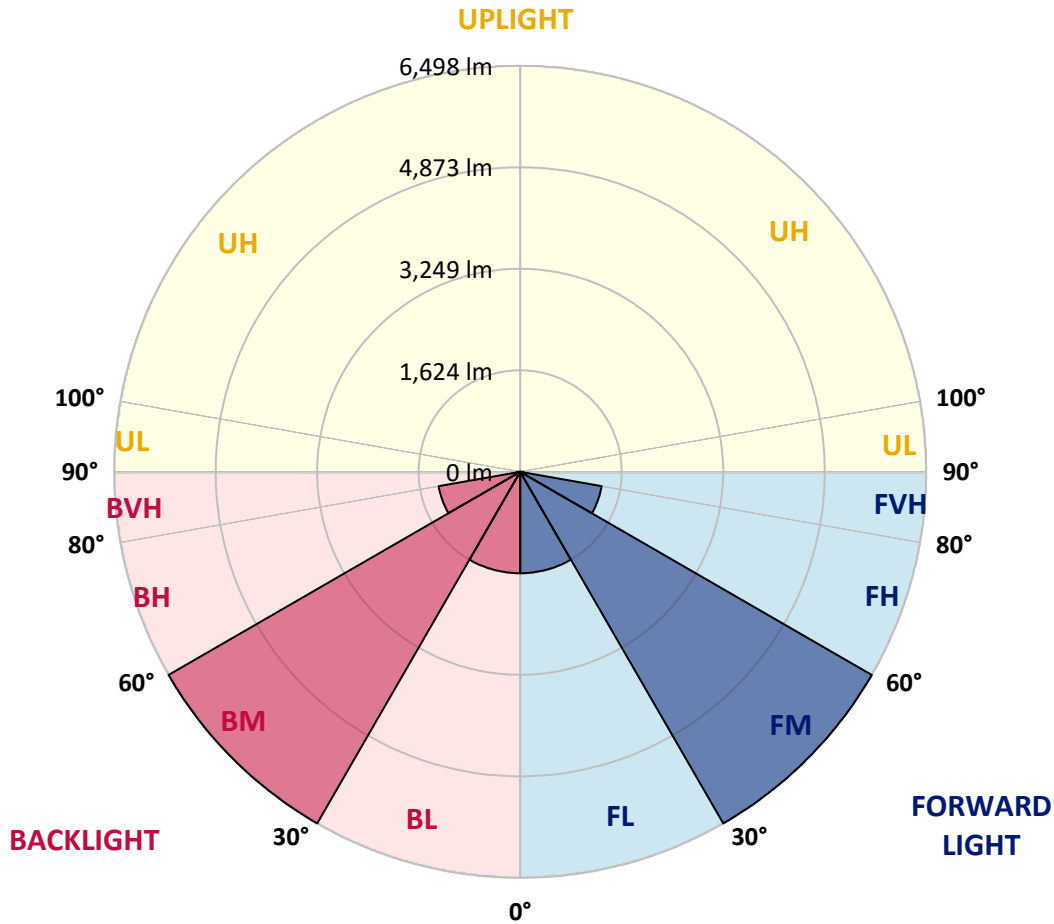
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1623.7	8.6			
FM (30°-60°)	6497.9	34.2			
FH (60°-80°)	1324.7	7.0			G1/1800
FVH (80°-90°)	47.7	0.3			G1/100
BL (0°-30°)	1623.7	8.6	B3/2500		
BM (30°-60°)	6497.9	34.2	B4/8500		
BH (60°-80°)	1324.7	7.0	B3/2500		G1/1800
BVH (80°-90°)	47.7	0.3			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°	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0	3750.0
2.5°	3731.3	3768.7	3752.3	3743.0	3750.0	3738.3	3719.6	3740.6	3736.0	3717.2	3710.2
5°	3721.9	3750.0	3731.3	3750.0	3731.3	3764.0	3754.7	3719.6	3761.7	3721.9	3736.0
7.5°	3714.9	3724.3	3728.9	3719.6	3712.6	3752.3	3731.3	3714.9	3691.5	3684.5	3696.2
10°	3698.5	3721.9	3686.8	3733.6	3743.0	3714.9	3714.9	3684.5	3665.8	3654.1	3693.8
12.5°	3740.6	3700.9	3696.2	3719.6	3726.6	3738.3	3705.5	3689.2	3654.1	3658.8	3651.7
15°	3691.5	3707.9	3710.2	3714.9	3721.9	3750.0	3719.6	3684.5	3670.5	3621.3	3626.0
17.5°	3710.2	3693.8	3710.2	3764.0	3754.7	3775.7	3743.0	3689.2	3656.4	3628.3	3665.8
20°	3743.0	3736.0	3743.0	3808.5	3820.2	3838.9	3810.8	3761.7	3698.5	3665.8	3684.5
22.5°	3778.1	3773.4	3778.1	3841.2	3909.1	3932.5	3904.4	3789.8	3757.0	3696.2	3675.1
25°	3841.2	3845.9	3895.0	3965.2	4009.7	4054.1	4002.6	3920.8	3815.5	3778.1	3733.6
27.5°	3981.6	3993.3	4021.4	4124.3	4201.5	4241.3	4168.7	4056.4	3990.9	3913.7	3902.0
30°	4154.7	4154.7	4203.8	4292.7	4398.0	4458.8	4369.9	4236.6	4157.0	4114.9	4089.2
32.5°	4384.0	4358.2	4376.9	4533.7	4697.4	4748.9	4629.6	4465.8	4339.5	4283.4	4264.6
35°	4580.5	4596.8	4638.9	4807.4	4989.8	5109.2	4922.0	4709.1	4580.5	4529.0	4519.6
37.5°	4835.5	4863.5	4884.6	5116.2	5336.1	5380.5	5200.4	5029.6	4872.9	4830.8	4807.4
40°	5195.7	5177.0	5184.0	5354.8	5553.6	5581.7	5403.9	5282.3	5153.6	5127.9	5127.9
42.5°	5492.8	5471.8	5495.2	5558.3	5710.4	5689.3	5591.1	5502.2	5448.4	5420.3	5448.4
45°	5672.9	5668.3	5710.4	5757.2	5864.8	5794.6	5717.4	5731.4	5680.0	5633.2	5630.8
47.5°	5869.4	5839.0	5890.5	5960.7	5878.8	5846.1	5841.4	5871.8	5855.4	5773.5	5747.8
50°	5965.4	5953.7	6035.5	6117.4	6073.0	5998.1	6014.5	6063.6	5853.1	5743.1	5680.0
52.5°	6222.7	6225.0	6381.8	6426.2	6407.5	6297.6	6332.6	6199.3	5951.3	5796.9	5803.9
55°	6627.4	6611.0	6786.5	6917.5	6938.5	6798.2	6629.7	6442.6	6131.5	5974.7	5927.9
57°	6405.2	6442.6	6636.8	7025.1	7221.6	7055.5	6688.2	6346.7	5932.6	5743.1	5658.9
57.5°	6108.1	6168.9	6505.8	6896.4	7102.3	7088.3	6615.7	6168.9	5799.3	5504.5	5511.5
60°	4475.2	4486.9	4791.0	5410.9	6054.3	6068.3	5492.8	4901.0	4489.2	4168.7	4213.2
62.5°	2360.4	2414.2	2535.9	3034.1	3590.9	3726.6	3378.0	3073.9	2718.3	2475.0	2498.4
65°	1249.2	1242.2	1300.7	1441.0	1714.7	1784.9	1738.1	1497.2	1373.2	1333.4	1335.8
67.5°	1015.3	1027.0	1020.0	1027.0	1045.7	1076.1	1069.1	1078.4	1085.5	1097.2	1094.8
70°	860.9	860.9	865.6	867.9	867.9	881.9	898.3	928.7	931.1	942.8	947.4
72.5°	678.4	673.7	680.8	697.1	699.5	711.2	734.6	753.3	760.3	760.3	746.3
75°	460.9	465.5	474.9	488.9	503.0	524.0	542.7	554.4	559.1	552.1	545.1
77.5°	259.7	264.3	271.4	292.4	308.8	327.5	348.6	360.3	372.0	374.3	360.3
80°	154.4	154.4	166.1	182.5	201.2	219.9	238.6	252.7	257.3	257.3	250.3
82.5°	93.6	95.9	105.3	121.6	138.0	149.7	166.1	177.8	187.1	184.8	180.1
85°	49.1	49.1	58.5	72.5	84.2	95.9	95.9	88.9	84.2	72.5	67.8
87.5°	16.4	14.0	18.7	18.7	16.4	18.7	18.7	21.1	21.1	21.1	21.1
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)