

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: P526094

Luminaire Tested: **GALN-SA1A-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3657 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

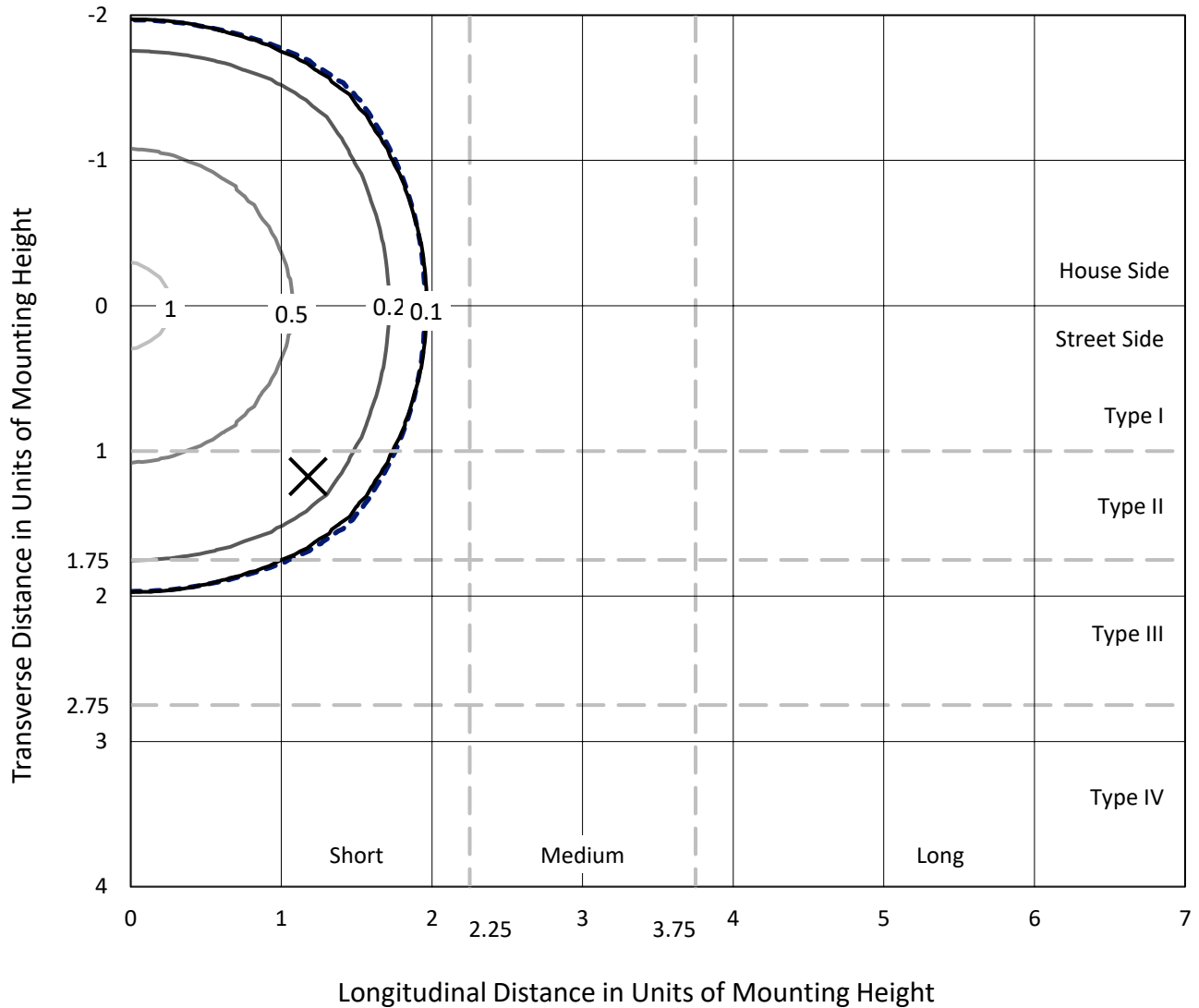
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

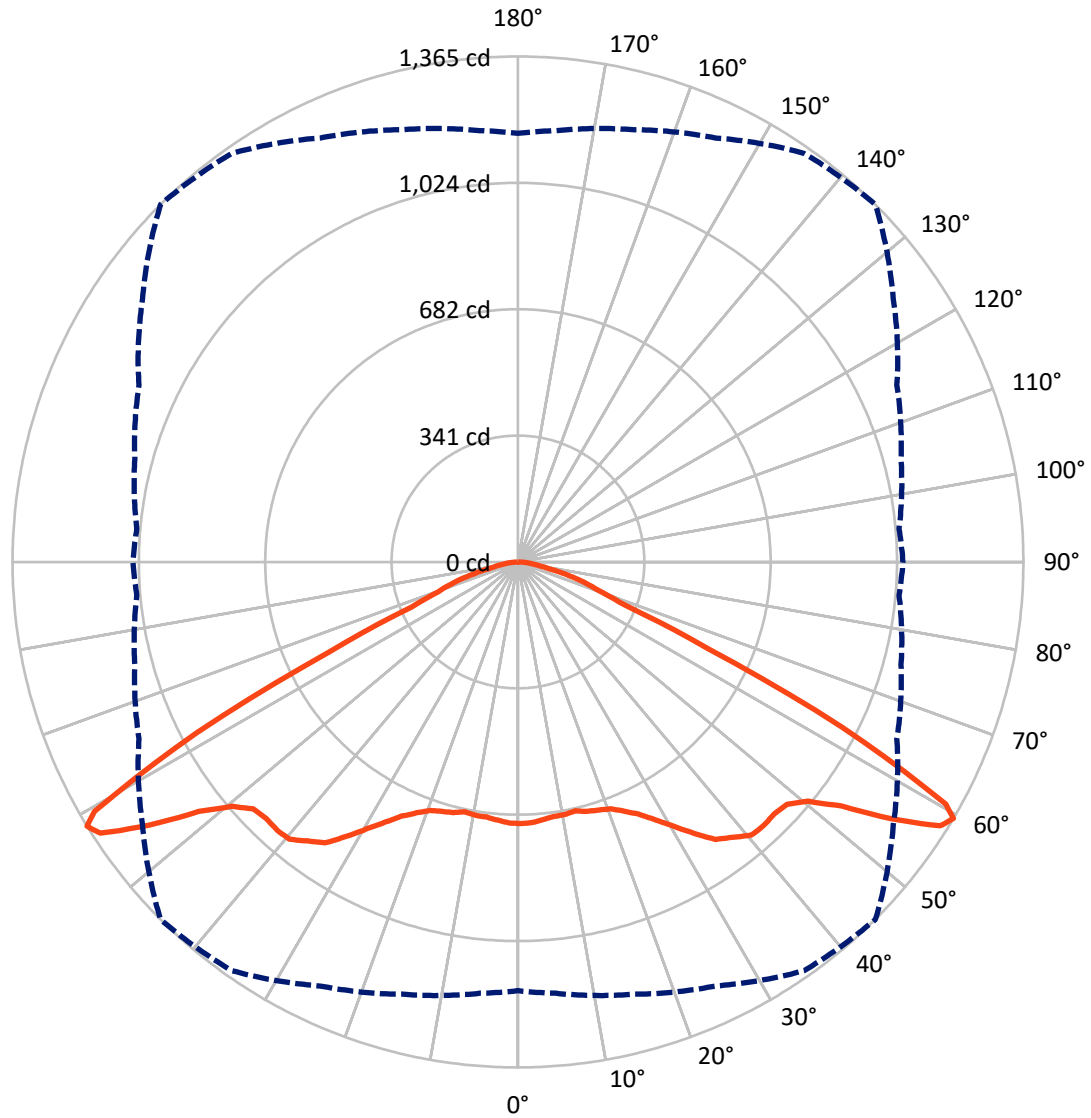
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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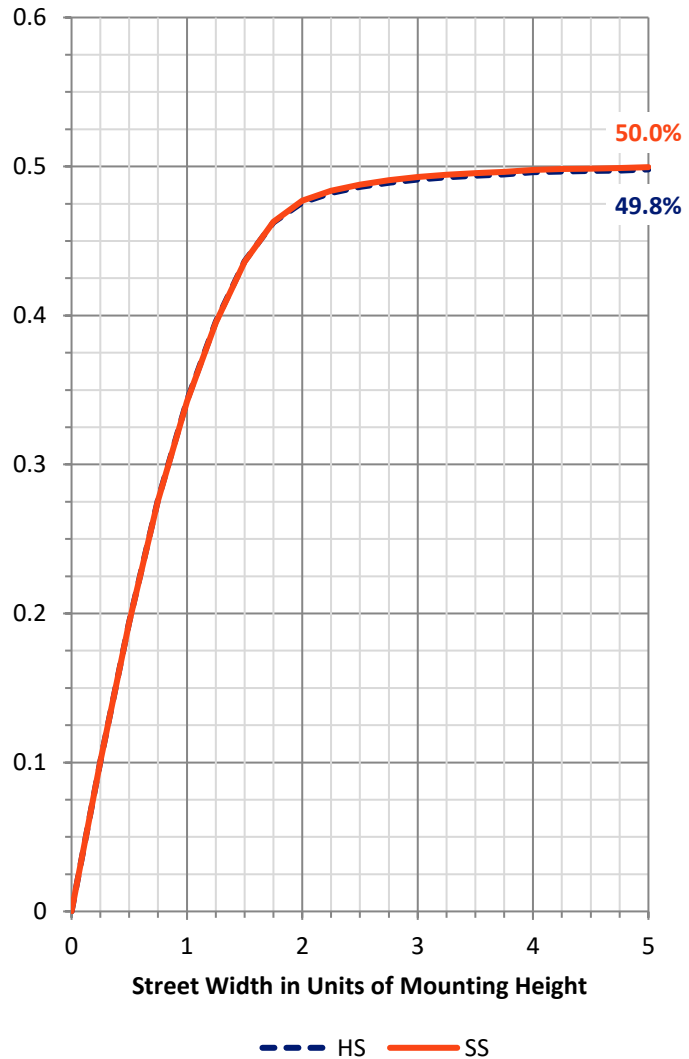
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1828.5	0.0	1828.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1828.5	0.0	1828.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3657.0	0.0	3657.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	1.8
10°-20°	198.0	5.4
20°-30°	345.8	9.5
30°-40°	552.2	15.1
40°-50°	752.2	20.6
50°-60°	1017.2	27.8
60°-70°	557.9	15.3
70°-80°	142.7	3.9
80°-90°	24.3	0.7
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°	3657.0	100.0
0°-180°	3657.0	100.0

**Coefficient of Utilization**



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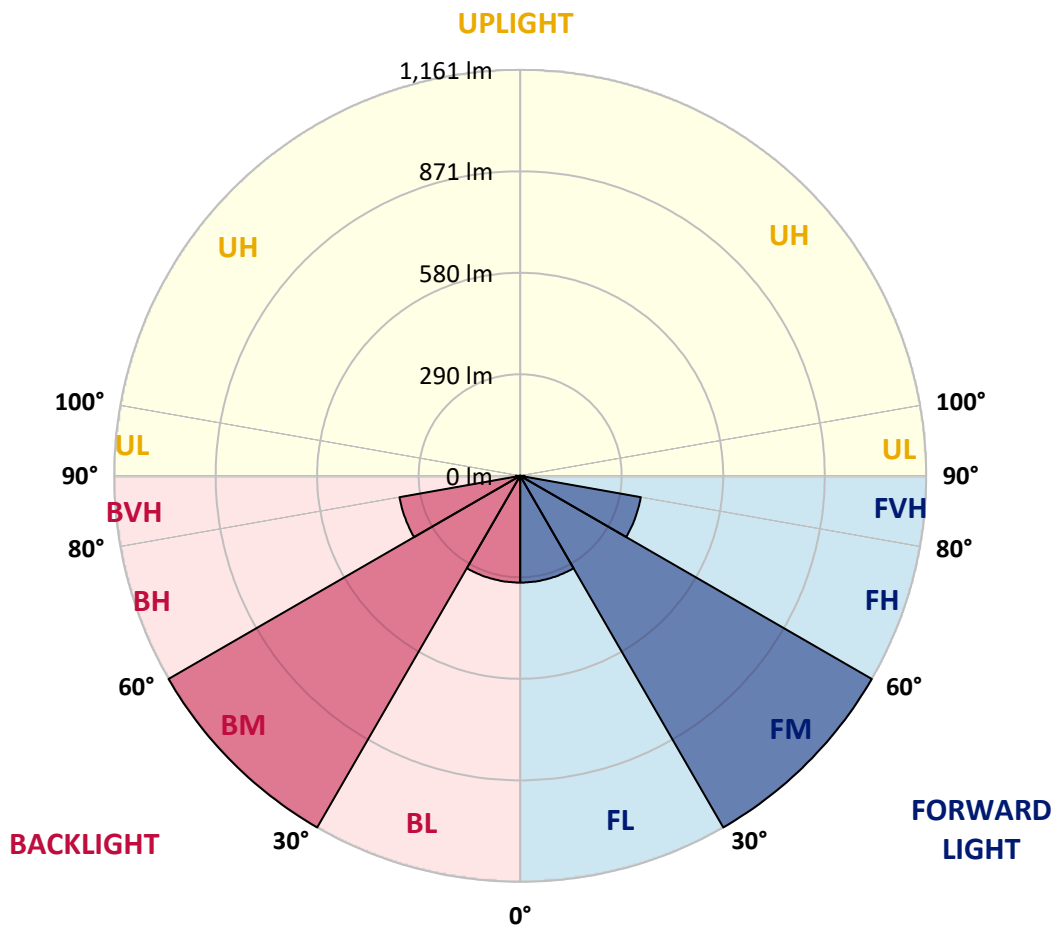
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.2	8.3			
FM (30°-60°)	1160.9	31.7			
FH (60°-80°)	350.3	9.6			G0/660
FVH (80°-90°)	12.2	0.3			G1/100
BL (0°-30°)	305.2	8.3	B1/500		
BM (30°-60°)	1160.9	31.7	B2/2500		
BH (60°-80°)	350.3	9.6	B1/500		G0/660
BVH (80°-90°)	12.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4
2.5°	702.1	707.3	703.5	706.8	706.4	705.0	702.6	701.2	699.3	702.1	697.5
5°	699.3	703.5	707.8	702.1	702.1	699.3	697.9	695.1	695.1	694.6	694.2
7.5°	704.0	699.8	697.9	698.9	699.8	693.7	697.9	692.3	687.6	690.9	694.6
10°	699.8	701.7	694.6	697.9	692.8	693.7	690.9	694.6	689.5	689.5	689.5
12.5°	704.0	698.9	701.2	698.9	697.5	689.5	693.2	689.0	688.5	693.2	689.0
15°	712.5	704.0	702.1	697.5	698.9	698.9	695.1	695.6	690.4	693.2	694.2
17.5°	709.6	705.0	703.5	697.9	702.6	704.0	697.0	692.3	695.6	695.1	694.6
20°	712.0	713.9	712.5	713.4	715.3	711.5	705.0	698.4	694.2	700.3	699.8
22.5°	727.0	725.1	724.2	723.2	726.5	730.3	721.4	711.0	711.0	715.3	717.1
25°	739.2	738.7	738.2	742.4	753.7	753.7	742.4	729.3	726.0	728.9	726.5
27.5°	757.0	762.1	760.3	767.8	784.2	787.9	772.9	757.4	748.5	745.3	749.5
30°	797.8	791.7	793.1	801.0	815.6	827.8	804.8	788.4	776.2	775.7	777.6
32.5°	824.9	829.6	833.8	841.3	864.3	873.7	846.0	819.3	811.8	807.6	809.0
35°	879.3	875.1	874.2	881.7	904.6	920.1	885.4	862.0	852.1	861.5	861.5
37.5°	930.9	919.2	910.2	920.1	941.2	943.1	913.5	900.9	895.7	906.5	906.0
40°	955.2	954.3	933.7	939.3	967.4	970.2	942.6	927.6	926.7	940.7	954.8
42.5°	980.6	971.7	951.0	954.8	972.1	973.1	946.8	942.6	952.9	966.5	967.4
45°	984.8	977.3	964.2	954.8	967.4	970.2	954.8	957.6	958.5	974.9	974.9
47.5°	993.2	992.3	984.8	977.7	980.1	977.7	967.9	972.1	986.2	994.2	990.4
50°	1016.6	1006.8	1014.3	1008.2	1008.7	1015.2	1006.3	1010.6	1007.7	1000.7	996.0
52.5°	1068.2	1063.5	1070.1	1074.3	1079.0	1094.0	1083.7	1061.2	1040.1	1021.3	1020.9
55°	1143.7	1147.0	1159.6	1181.2	1199.4	1223.4	1173.7	1119.8	1086.0	1056.5	1058.4
57.5°	1214.9	1212.6	1229.9	1279.1	1332.6	1344.8	1247.3	1170.4	1115.5	1096.8	1088.8
59°	1157.7	1169.0	1208.4	1263.2	1347.1	1364.9	1237.4	1129.1	1071.0	1033.1	1039.6
60°	1067.7	1072.0	1107.1	1183.5	1296.9	1327.4	1171.3	1065.4	988.1	966.0	975.9
62.5°	754.6	751.4	776.7	839.0	940.7	982.0	870.9	796.4	747.6	723.2	728.9
65°	401.2	416.2	426.5	465.4	519.3	562.9	517.0	484.7	457.5	437.3	436.8
67.5°	270.9	269.0	271.4	280.3	298.6	310.8	309.8	293.4	291.1	287.3	291.5
70°	228.3	227.3	223.1	223.1	226.9	229.7	233.0	234.8	238.6	243.3	242.8
72.5°	185.1	182.8	180.0	178.6	183.3	184.7	188.9	190.8	194.0	193.6	197.8
75°	122.3	122.3	125.6	129.4	130.8	133.6	134.1	139.7	139.7	140.6	136.9
77.5°	68.4	66.6	68.9	72.7	75.9	81.1	86.2	90.5	92.8	91.9	91.9
80°	39.8	39.8	42.2	46.4	50.6	55.3	59.1	62.3	64.7	63.7	61.9
82.5°	24.8	24.8	27.2	31.4	34.7	37.5	42.7	46.9	49.7	48.7	46.4
85°	12.7	12.7	15.5	18.3	22.5	24.4	23.9	22.0	21.6	19.2	19.2
87.5°	3.3	3.3	4.7	5.2	4.2	4.7	4.7	4.7	4.7	4.7	5.2
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)