

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: P526068

Luminaire Tested: **GALN-SA1A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526068  
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-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 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: 3576 lumens  
Efficiency: N/A  
Efficacy: 108.4 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

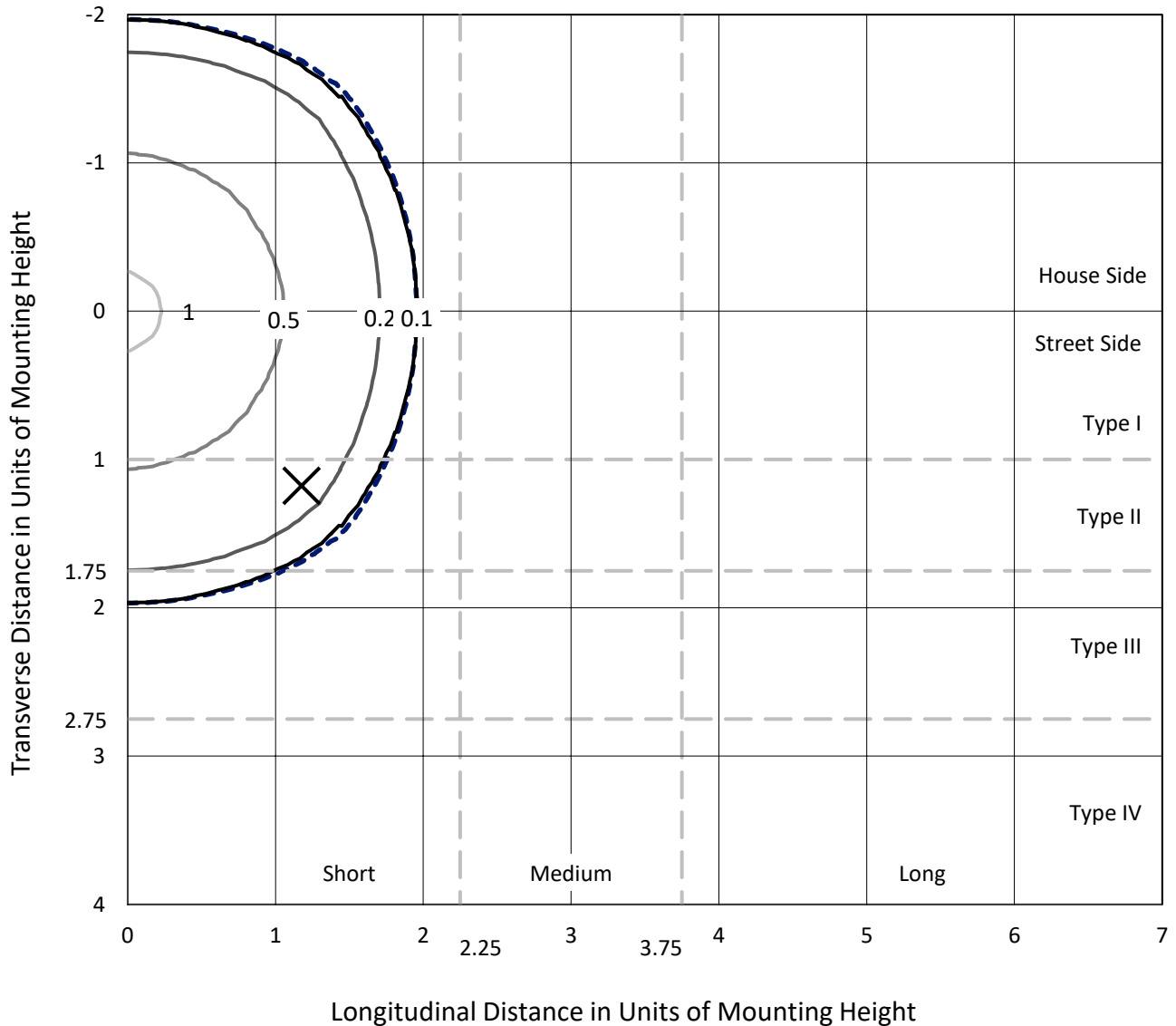
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

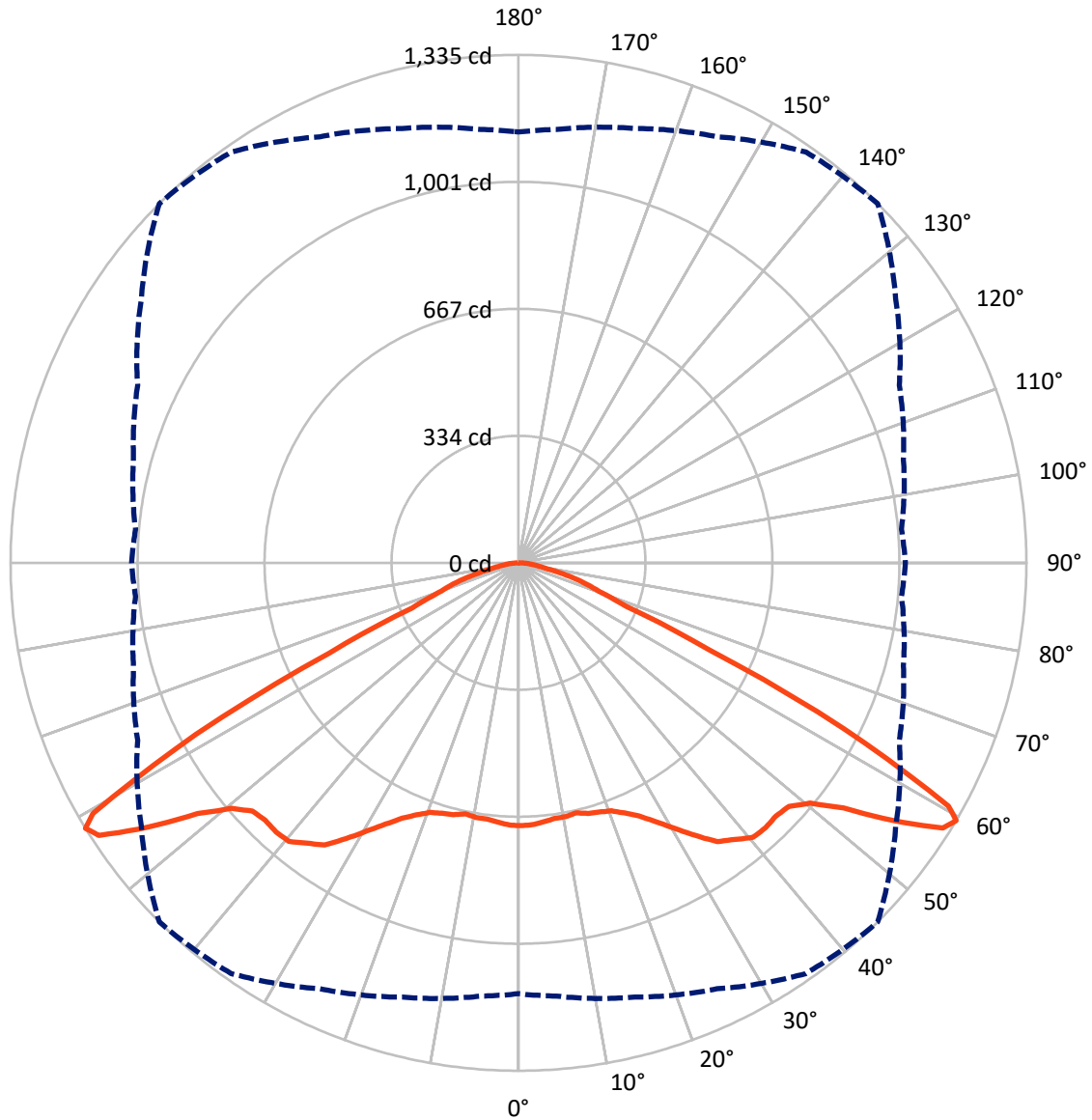
× Max cd  
 - - - 1/2 Max cd



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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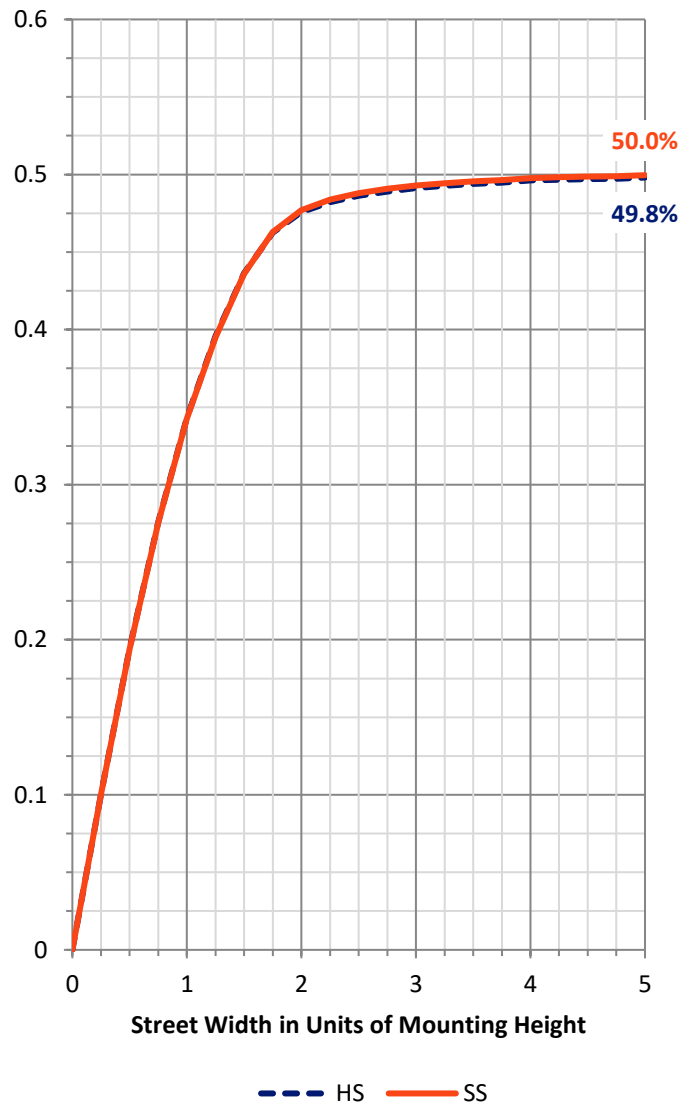
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1788.0	0.0	1788.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1788.0	0.0	1788.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3576.0	0.0	3576.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	1.8
10°-20°	193.6	5.4
20°-30°	338.1	9.5
30°-40°	540.0	15.1
40°-50°	735.6	20.6
50°-60°	994.7	27.8
60°-70°	545.5	15.3
70°-80°	139.6	3.9
80°-90°	23.8	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°	3576.0	100.0
0°-180°	3576.0	100.0

**Coefficient of Utilization**



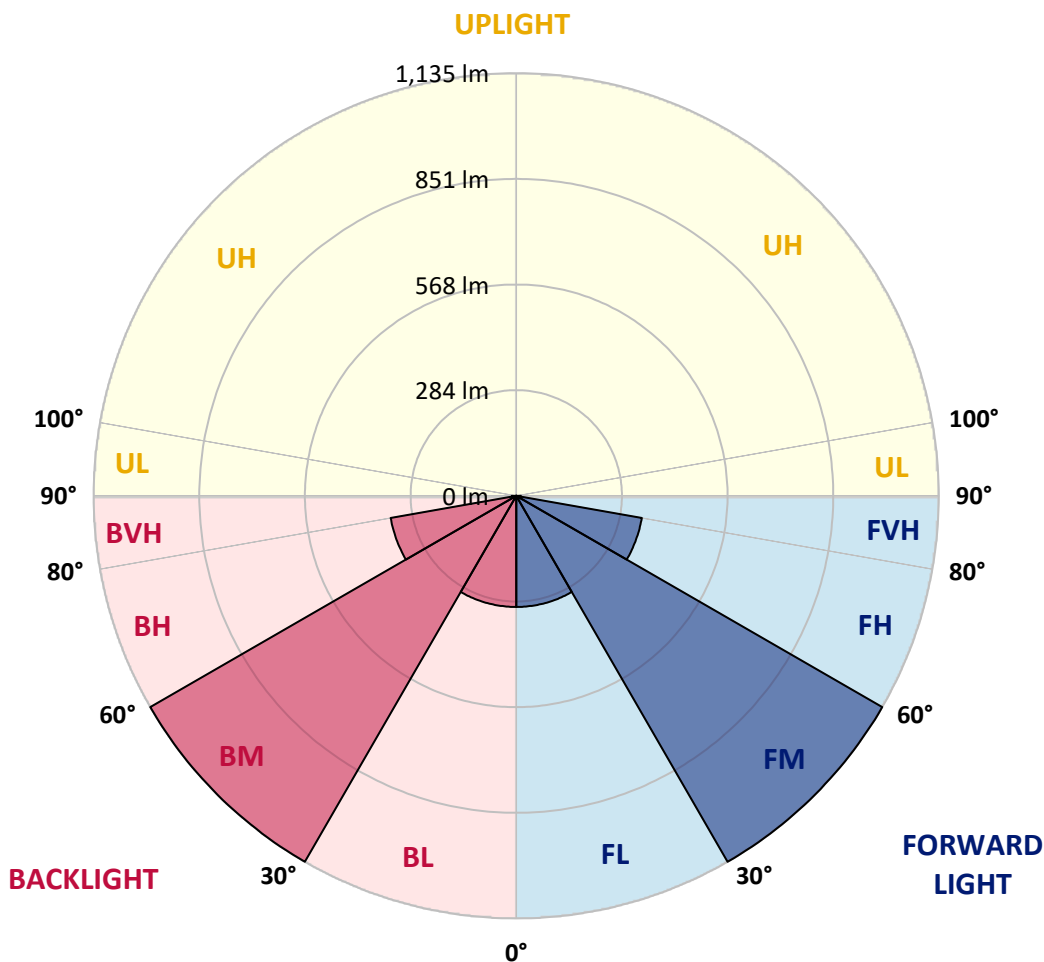
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.4	8.3			
FM (30°-60°)	1135.1	31.7			
FH (60°-80°)	342.5	9.6			G0/660
FVH (80°-90°)	11.9	0.3			G1/100
BL (0°-30°)	298.4	8.3	B1/500		
BM (30°-60°)	1135.1	31.7	B2/2500		
BH (60°-80°)	342.5	9.6	B1/500		G0/660
BVH (80°-90°)	11.9	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°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	686.6	691.6	688.0	691.2	690.7	689.3	687.0	685.7	683.8	686.6	682.0
5°	683.8	688.0	692.1	686.6	686.6	683.8	682.5	679.7	679.7	679.3	678.8
7.5°	688.4	684.3	682.5	683.4	684.3	678.3	682.5	677.0	672.4	675.6	679.3
10°	684.3	686.1	679.3	682.5	677.4	678.3	675.6	679.3	674.2	674.2	674.2
12.5°	688.4	683.4	685.7	683.4	682.0	674.2	677.9	673.8	673.3	677.9	673.8
15°	696.7	688.4	686.6	682.0	683.4	683.4	679.7	680.2	675.1	677.9	678.8
17.5°	693.9	689.3	688.0	682.5	687.0	688.4	681.5	677.0	680.2	679.7	679.3
20°	696.2	698.0	696.7	697.6	699.4	695.8	689.3	682.9	678.8	684.8	684.3
22.5°	710.9	709.0	708.1	707.2	710.4	714.1	705.4	695.3	695.3	699.4	701.3
25°	722.8	722.3	721.9	726.0	737.0	737.0	726.0	713.2	710.0	712.7	710.4
27.5°	740.2	745.3	743.4	750.8	766.8	770.5	755.8	740.7	732.0	728.8	732.9
30°	780.1	774.1	775.5	783.3	797.5	809.4	787.0	770.9	759.0	758.5	760.4
32.5°	806.7	811.3	815.4	822.7	845.2	854.3	827.3	801.2	793.8	789.7	791.1
35°	859.8	855.7	854.8	862.1	884.6	899.7	865.8	842.9	833.3	842.4	842.4
37.5°	910.3	898.8	890.1	899.7	920.3	922.2	893.3	880.9	875.9	886.4	886.0
40°	934.1	933.2	913.0	918.5	946.0	948.8	921.7	907.0	906.1	919.9	933.6
42.5°	958.8	950.1	930.0	933.6	950.6	951.5	925.8	921.7	931.8	945.1	946.0
45°	963.0	955.6	942.8	933.6	946.0	948.8	933.6	936.4	937.3	953.3	953.3
47.5°	971.2	970.3	963.0	956.1	958.4	956.1	946.5	950.6	964.3	972.1	968.5
50°	994.1	984.5	991.8	985.9	986.3	992.8	984.0	988.2	985.4	978.5	974.0
52.5°	1044.5	1040.0	1046.4	1050.5	1055.1	1069.8	1059.7	1037.7	1017.0	998.7	998.3
55°	1118.3	1121.5	1133.9	1155.0	1172.9	1196.3	1147.7	1095.0	1062.0	1033.1	1034.9
57.5°	1188.0	1185.7	1202.7	1250.8	1303.0	1315.0	1219.6	1144.5	1090.8	1072.5	1064.7
59°	1132.1	1143.1	1181.6	1235.2	1317.3	1334.7	1210.0	1104.1	1047.3	1010.2	1016.6
60°	1044.1	1048.2	1082.6	1157.3	1268.2	1298.0	1145.4	1041.8	966.2	944.6	954.3
62.5°	737.9	734.7	759.5	820.4	919.9	960.2	851.6	778.7	731.0	707.2	712.7
65°	392.3	407.0	417.1	455.1	507.8	550.5	505.5	473.9	447.3	427.6	427.2
67.5°	264.9	263.1	265.4	274.1	292.0	303.9	303.0	286.9	284.6	281.0	285.1
70°	223.2	222.3	218.2	218.2	221.8	224.6	227.8	229.6	233.3	237.9	237.4
72.5°	181.0	178.8	176.0	174.6	179.2	180.6	184.7	186.5	189.8	189.3	193.4
75°	119.6	119.6	122.8	126.5	127.9	130.6	131.1	136.6	136.6	137.5	133.8
77.5°	66.9	65.1	67.4	71.0	74.3	79.3	84.3	88.5	90.8	89.8	89.8
80°	39.0	39.0	41.3	45.4	49.5	54.1	57.8	61.0	63.3	62.3	60.5
82.5°	24.3	24.3	26.6	30.7	33.9	36.7	41.7	45.8	48.6	47.7	45.4
85°	12.4	12.4	15.1	17.9	22.0	23.8	23.4	21.5	21.1	18.8	18.8
87.5°	3.2	3.2	4.6	5.0	4.1	4.6	4.6	4.6	4.6	4.6	5.0
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)