

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: P526141

Luminaire Tested: **GALN-SA1A-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-750-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2777 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

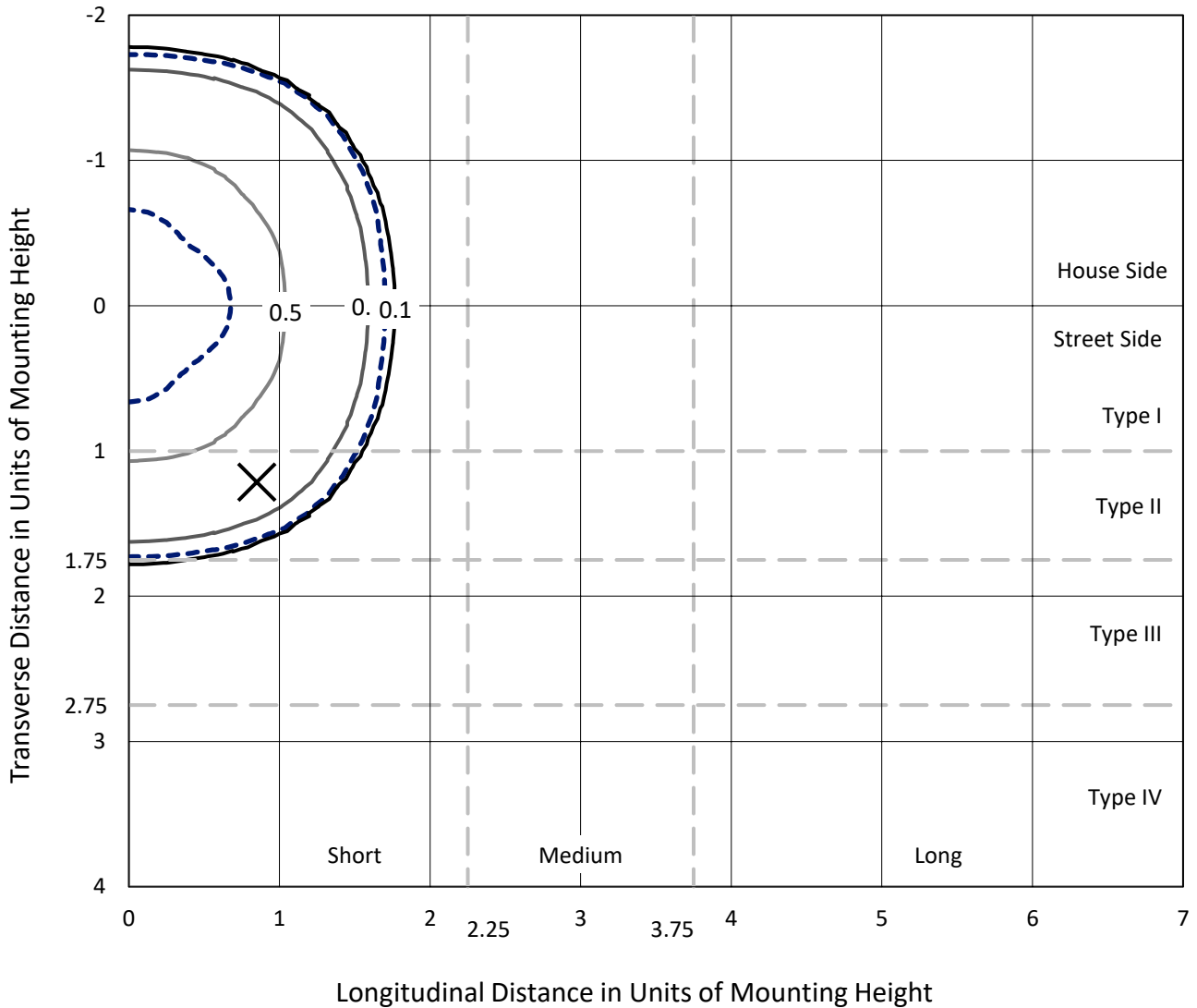
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

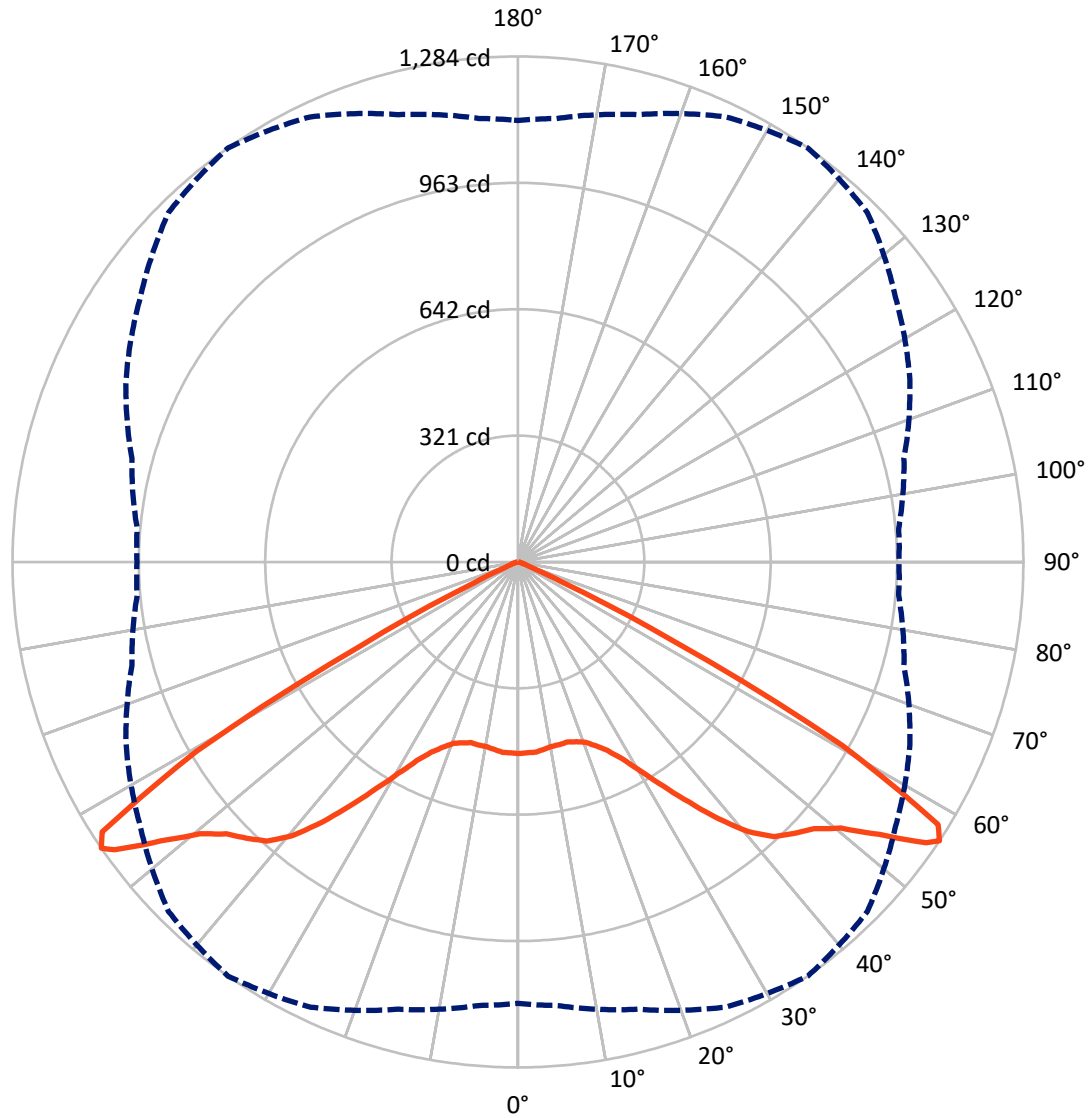
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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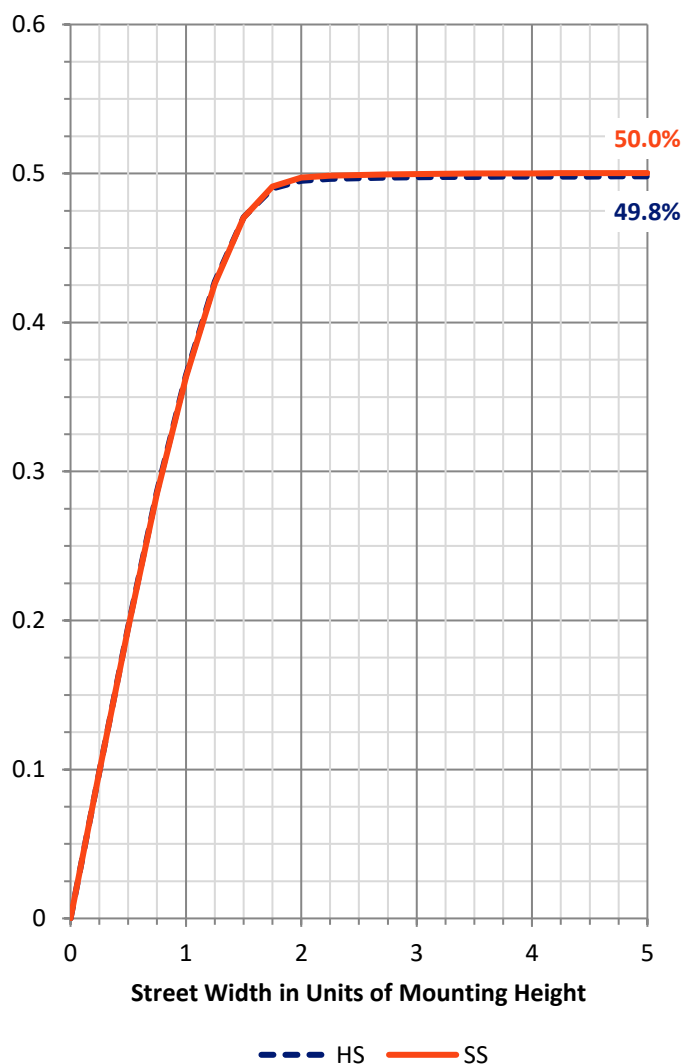
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1388.5	0.0	1388.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1388.5	0.0	1388.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2777.0	0.0	2777.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.7	1.6
10°-20°	133.5	4.8
20°-30°	241.8	8.7
30°-40°	448.3	16.1
40°-50°	735.9	26.5
50°-60°	948.1	34.1
60°-70°	208.9	7.5
70°-80°	12.1	0.4
80°-90°	2.5	0.1
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°	2777.0	100.0
0°-180°	2777.0	100.0

**Coefficient of Utilization**

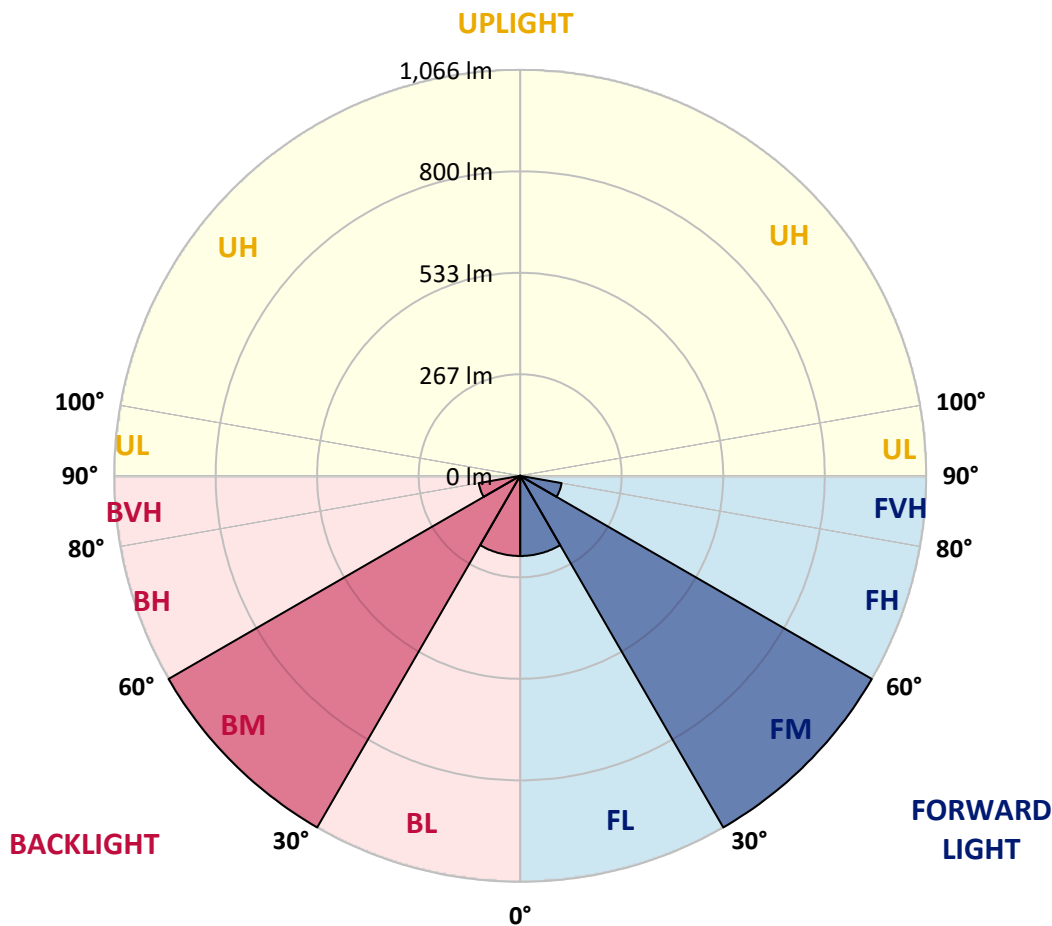


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.5	7.6			
FM (30°-60°)	1066.2	38.4			
FH (60°-80°)	110.5	4.0			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	210.5	7.6	B1/500		
BM (30°-60°)	1066.2	38.4	B2/2500		
BH (60°-80°)	110.5	4.0	B1/500		G0/660
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6
2.5°	487.6	487.6	488.1	488.6	485.1	483.6	484.1	483.1	482.6	484.1	484.1
5°	486.1	486.1	484.6	485.1	485.1	480.6	480.6	481.6	481.6	478.5	477.5
7.5°	482.1	481.1	479.0	481.6	480.0	480.0	476.5	474.0	473.0	475.0	473.0
10°	473.5	474.0	476.0	477.0	476.0	479.0	473.0	469.5	466.0	464.4	464.4
12.5°	469.5	472.5	469.5	472.0	475.5	473.0	469.5	467.0	461.9	459.9	459.9
15°	469.0	471.0	472.0	475.5	474.0	475.0	468.0	465.0	457.4	453.9	452.4
17.5°	468.5	471.0	472.5	479.0	480.0	480.6	475.0	466.0	459.4	455.9	452.4
20°	474.0	475.0	478.0	484.6	488.6	495.6	485.6	476.0	461.9	457.9	456.4
22.5°	481.1	486.1	489.1	496.2	506.7	512.8	499.7	487.6	473.0	468.0	461.9
25°	503.7	502.7	507.7	522.3	530.9	535.4	524.8	507.2	488.1	482.1	483.1
27.5°	531.9	532.9	537.4	553.5	566.1	573.1	560.6	537.4	518.8	508.7	507.7
30°	568.6	567.6	572.6	594.3	616.9	627.5	605.3	578.2	560.1	547.0	550.0
32.5°	607.4	607.9	621.9	641.6	678.3	698.9	663.2	630.0	602.8	593.8	589.2
35°	664.7	667.2	678.3	708.5	749.3	775.9	736.7	696.9	665.7	649.1	651.1
37.5°	735.7	733.2	751.8	784.5	827.3	846.9	813.7	768.4	736.7	725.6	732.7
40°	811.2	813.7	823.2	852.9	900.7	913.8	864.5	839.8	812.2	806.6	815.2
42.5°	886.6	885.1	892.2	918.8	953.6	944.5	915.3	900.7	881.1	870.0	881.6
45°	942.0	939.5	952.5	970.7	983.2	966.1	953.1	948.0	938.0	925.9	936.4
47.5°	995.8	993.8	1006.4	1011.4	1012.4	989.8	992.3	1001.4	976.2	951.0	963.1
50°	1041.6	1038.1	1053.7	1064.8	1062.2	1026.0	1035.1	1026.0	986.8	957.1	952.5
52.5°	1118.1	1119.6	1136.2	1156.3	1150.3	1120.1	1107.0	1065.8	1015.4	988.8	973.2
55°	1166.4	1158.9	1187.5	1251.4	1258.5	1227.3	1169.4	1108.5	1033.1	1000.4	996.3
56°	1121.1	1130.7	1176.0	1247.4	1283.7	1255.0	1170.9	1098.0	1014.9	970.7	967.6
57.5°	1005.9	1000.9	1062.2	1159.9	1258.5	1246.4	1129.7	1022.5	925.9	876.1	870.0
60°	626.0	640.6	694.4	815.2	947.0	953.1	837.3	745.2	632.5	588.2	598.8
62.5°	245.1	232.5	266.2	356.3	446.8	467.0	423.2	351.7	288.8	245.1	242.0
65°	56.9	55.4	62.4	86.0	120.3	139.4	132.3	95.1	69.9	66.4	61.4
67.5°	32.2	32.2	30.7	30.7	33.7	35.7	34.2	33.7	35.2	36.7	36.2
70°	22.6	22.1	21.1	21.6	20.6	20.6	22.1	24.7	26.7	26.7	27.2
72.5°	13.6	13.6	13.6	15.1	15.1	15.1	16.6	18.6	19.1	18.6	18.1
75°	6.0	6.0	7.0	8.6	9.6	10.1	11.6	12.6	13.6	12.6	11.6
77.5°	1.5	1.5	2.5	3.5	4.5	5.5	7.5	9.1	9.6	9.1	7.5
80°	0.5	0.5	1.0	2.5	4.5	5.5	7.5	8.1	8.6	7.5	6.0
82.5°	0.5	0.5	1.0	2.5	3.5	4.5	6.0	7.0	7.5	6.5	6.0
85°	0.0	0.5	1.0	2.0	3.0	4.0	4.0	3.0	2.5	1.5	2.0
87.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)