

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: P526899

Luminaire Tested: **GALN-SA1D-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-827-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3001 lumens  
Efficiency: N/A  
Efficacy: 46.2 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

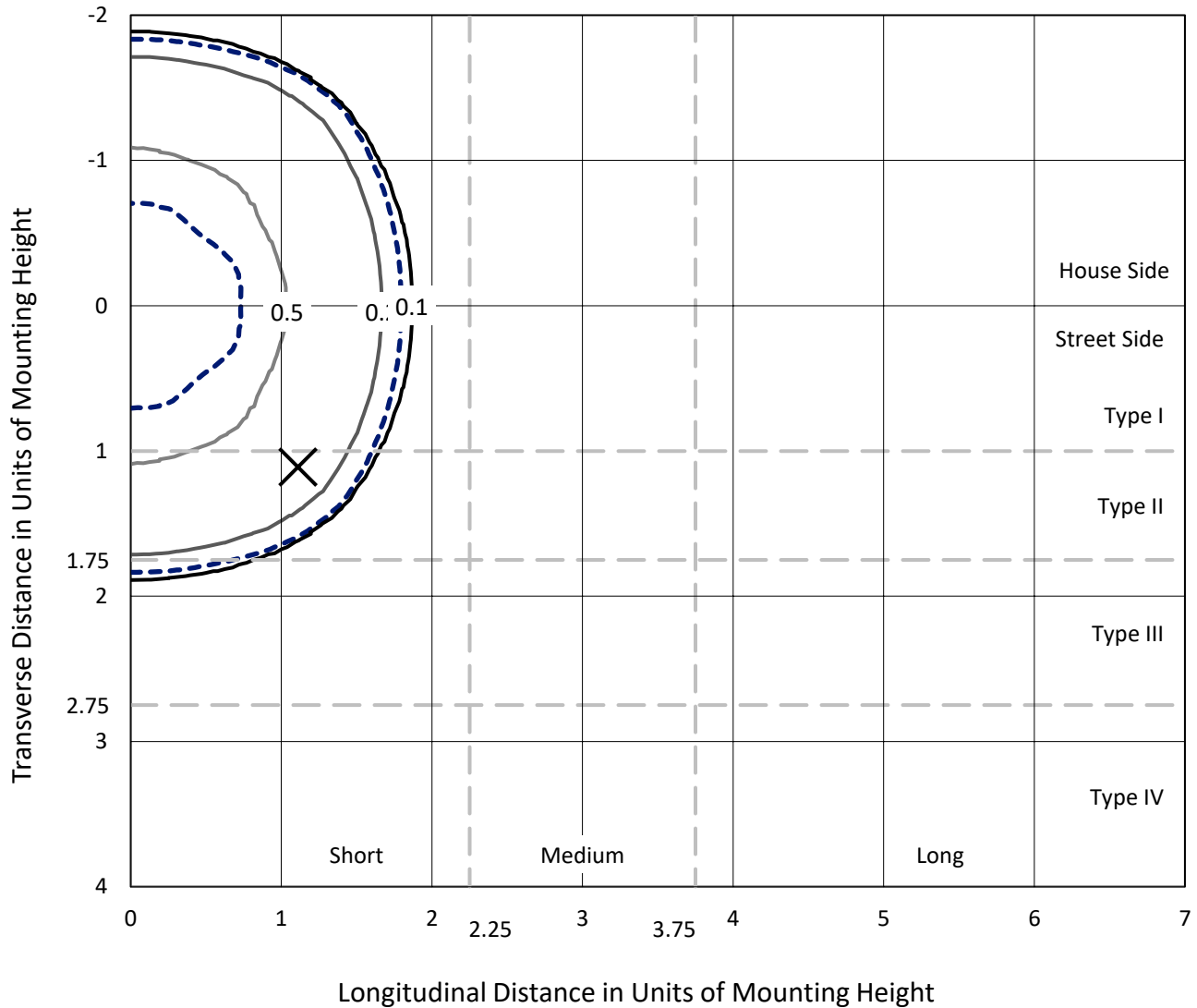
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

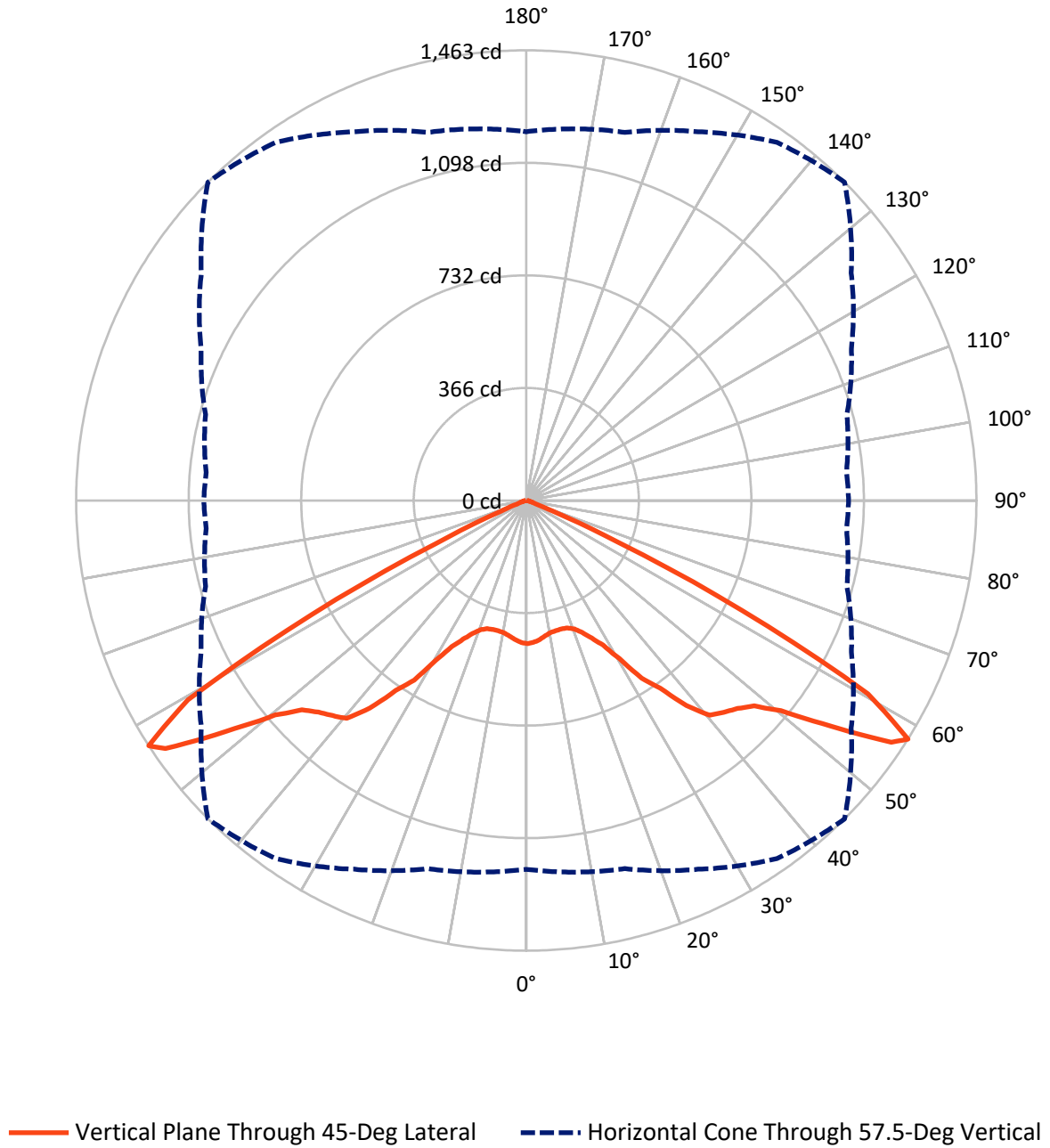
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	1500.5	0.0	1500.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1500.5	0.0	1500.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3001.0	0.0	3001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.4
10°-20°	123.6	4.1
20°-30°	228.2	7.6
30°-40°	448.8	15.0
40°-50°	731.0	24.4
50°-60°	1042.5	34.7
60°-70°	360.9	12.0
70°-80°	19.4	0.6
80°-90°	3.6	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°	3001.0	100.0
0°-180°	3001.0	100.0

**Coefficient of Utilization**



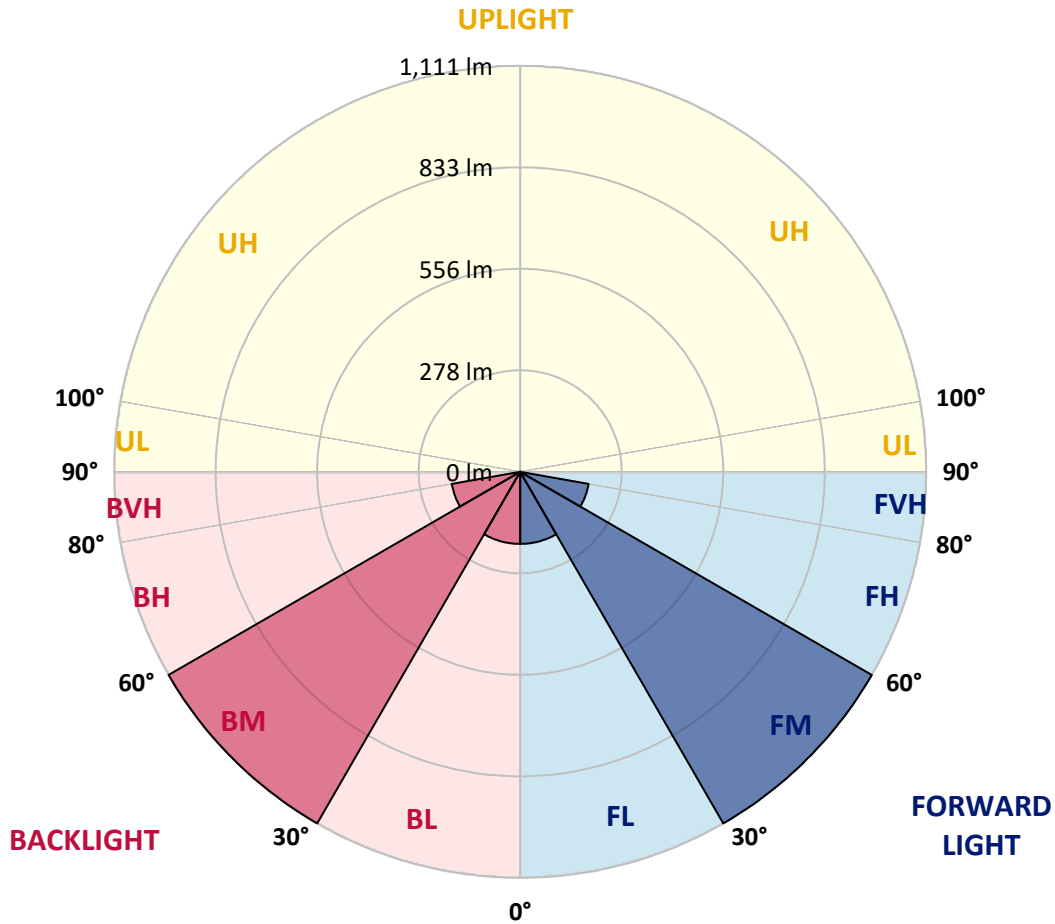
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.3	6.6			
FM (30°-60°)	1111.2	37.0			
FH (60°-80°)	190.2	6.3			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	197.3	6.6	B1/500		
BM (30°-60°)	1111.2	37.0	B2/2500		
BH (60°-80°)	190.2	6.3	B1/500		G0/660
BVH (80°-90°)	1.8	0.1			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°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	464.2	466.7	463.6	462.4	461.7	461.7	459.9	459.9	459.2	459.9	457.4
5°	456.7	459.2	459.2	458.6	454.9	454.2	452.3	451.1	451.7	449.2	451.1
7.5°	449.2	451.1	448.6	448.0	446.7	444.2	443.6	438.0	438.6	438.6	439.8
10°	448.0	447.3	443.6	440.5	436.7	436.1	434.2	433.0	433.0	432.3	434.2
12.5°	448.0	444.8	444.2	437.3	431.1	433.6	428.6	425.4	429.8	431.1	433.6
15°	447.3	450.5	439.8	436.7	432.3	433.0	428.6	425.4	427.9	429.2	431.1
17.5°	451.1	449.2	446.1	439.8	438.0	435.5	429.8	427.3	427.3	430.4	431.1
20°	461.1	456.1	449.8	446.7	448.6	445.5	438.6	429.2	431.7	434.2	436.1
22.5°	470.5	466.7	462.4	460.5	471.1	466.1	454.2	443.6	439.8	444.2	447.3
25°	488.6	488.6	480.5	483.0	494.9	495.5	481.8	463.0	460.5	462.4	463.6
27.5°	525.5	527.4	520.5	523.0	528.1	532.4	520.5	504.9	499.3	498.6	500.5
30°	565.6	569.3	568.7	579.4	593.7	596.2	578.7	553.1	536.2	533.1	535.6
32.5°	618.1	620.0	618.8	631.3	670.1	688.2	642.5	606.3	583.7	589.4	583.7
35°	717.0	715.1	701.4	703.9	735.8	748.9	705.1	682.0	671.3	682.6	680.1
37.5°	802.1	795.2	783.9	800.2	833.4	845.3	799.6	758.9	739.5	758.3	766.4
40°	874.0	856.5	840.9	857.1	901.6	917.8	850.9	817.7	810.2	824.0	841.5
42.5°	934.7	923.5	902.8	904.1	933.5	941.0	887.2	867.8	860.3	882.2	890.9
45°	977.9	967.3	947.9	946.6	969.1	964.1	916.0	902.8	907.2	921.6	926.0
47.5°	999.8	1005.4	994.2	997.3	1009.2	997.3	959.1	959.1	949.1	957.9	953.5
50°	1063.0	1045.5	1059.9	1059.9	1072.4	1073.6	1035.5	1021.7	994.8	979.8	979.8
52.5°	1136.8	1138.1	1143.7	1164.3	1185.6	1203.8	1149.3	1090.5	1045.5	1026.1	1023.6
55°	1197.5	1210.0	1232.5	1271.3	1332.6	1357.7	1263.8	1158.7	1103.7	1073.6	1067.4
56°	1230.7	1218.8	1257.6	1310.7	1390.8	1423.4	1282.6	1172.5	1111.8	1078.0	1077.4
57.5°	1198.8	1211.9	1238.8	1322.6	1420.9	1463.4	1289.5	1166.2	1079.3	1044.8	1048.0
60°	946.6	959.1	995.4	1089.3	1243.2	1276.3	1091.1	961.6	884.0	834.6	835.2
62.5°	535.6	544.9	573.1	660.1	755.8	787.7	680.1	593.7	539.9	512.4	503.7
65°	197.1	193.3	197.7	242.1	300.9	327.8	282.8	239.0	210.8	200.8	197.1
67.5°	73.8	68.2	63.8	68.2	85.7	90.7	83.2	69.4	65.1	66.9	68.2
70°	45.7	43.2	34.4	32.5	31.9	31.3	33.2	35.0	40.0	46.9	48.2
72.5°	31.9	30.0	24.4	23.1	21.9	21.3	24.4	26.9	31.3	36.3	36.9
75°	12.5	13.1	12.5	13.8	14.4	15.0	17.5	19.4	21.3	21.3	20.6
77.5°	2.5	2.5	3.8	5.0	6.3	8.1	11.9	13.8	14.4	13.8	11.9
80°	0.0	0.0	1.3	2.5	5.0	6.9	10.6	11.9	13.1	11.9	9.4
82.5°	0.0	0.0	1.3	3.1	5.0	6.3	10.0	12.5	14.4	13.1	10.0
85°	0.0	0.0	1.3	2.5	3.8	4.4	4.4	3.1	3.1	1.9	1.3
87.5°	0.0	0.0	0.0	0.0	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)