

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: P526895

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526895  
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-SA1D-827-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 3453 lumens  
Efficiency: N/A  
Efficacy: 53.1 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

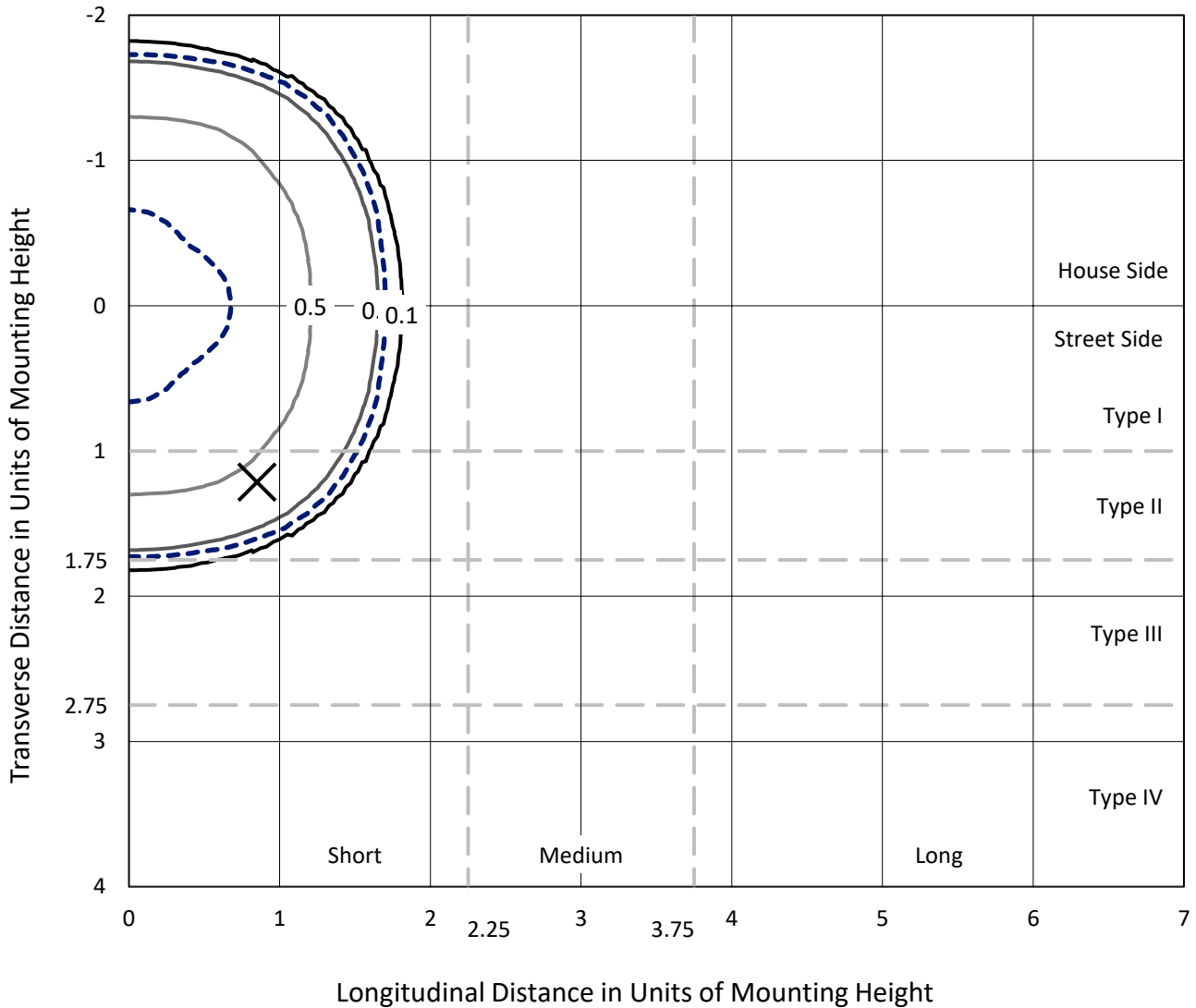
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

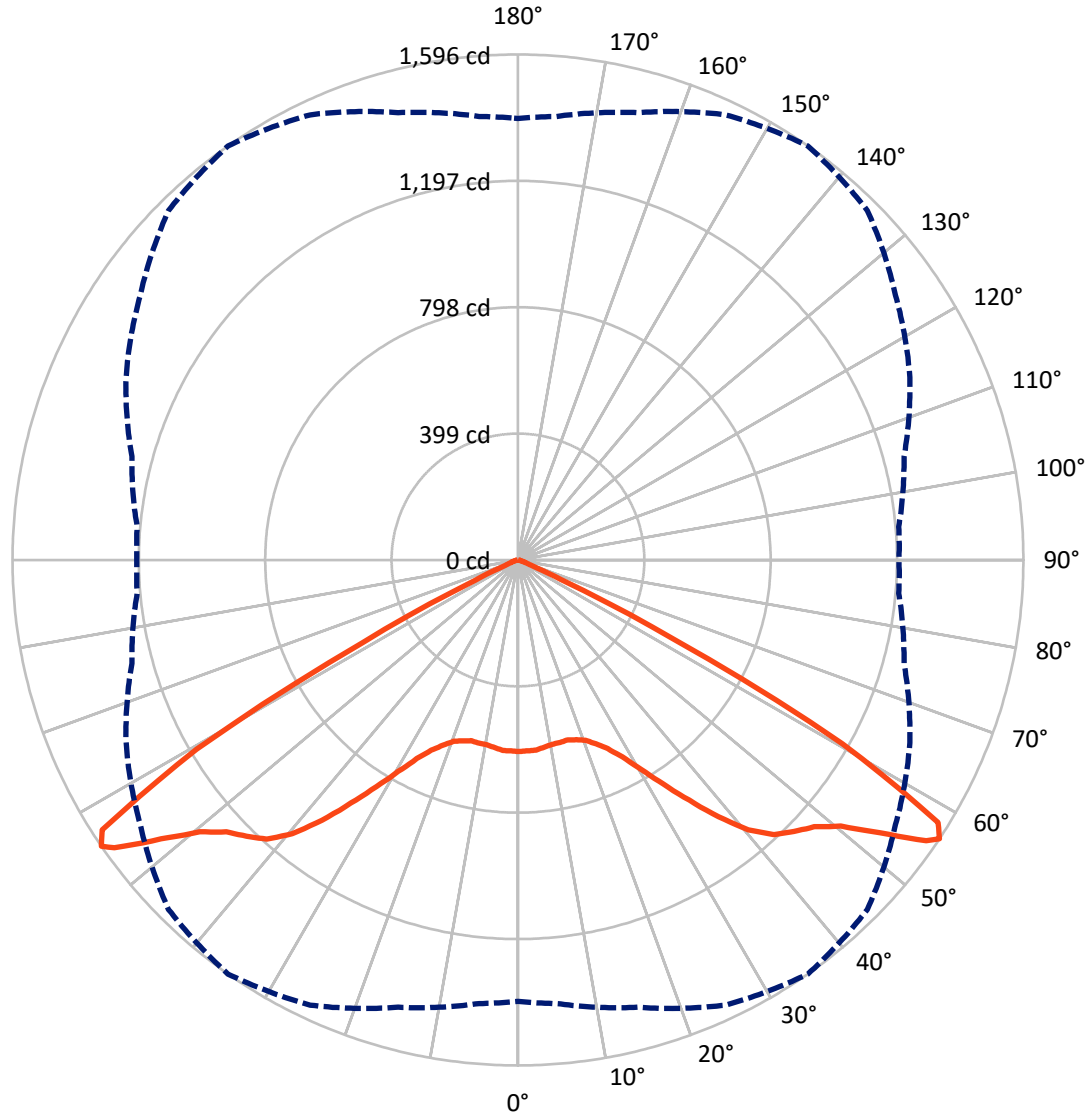
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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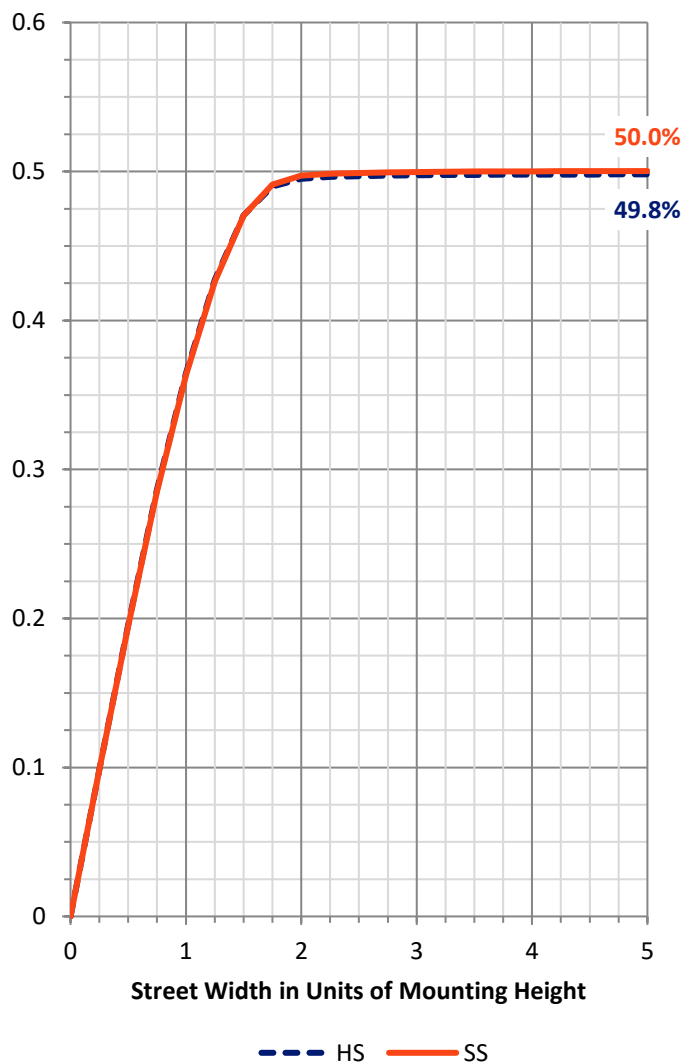
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1726.5	0.0	1726.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1726.5	0.0	1726.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3453.0	0.0	3453.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.6
10°-20°	166.0	4.8
20°-30°	300.6	8.7
30°-40°	557.5	16.1
40°-50°	915.1	26.5
50°-60°	1178.9	34.1
60°-70°	259.8	7.5
70°-80°	15.1	0.4
80°-90°	3.2	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°	3453.0	100.0
0°-180°	3453.0	100.0

**Coefficient of Utilization**

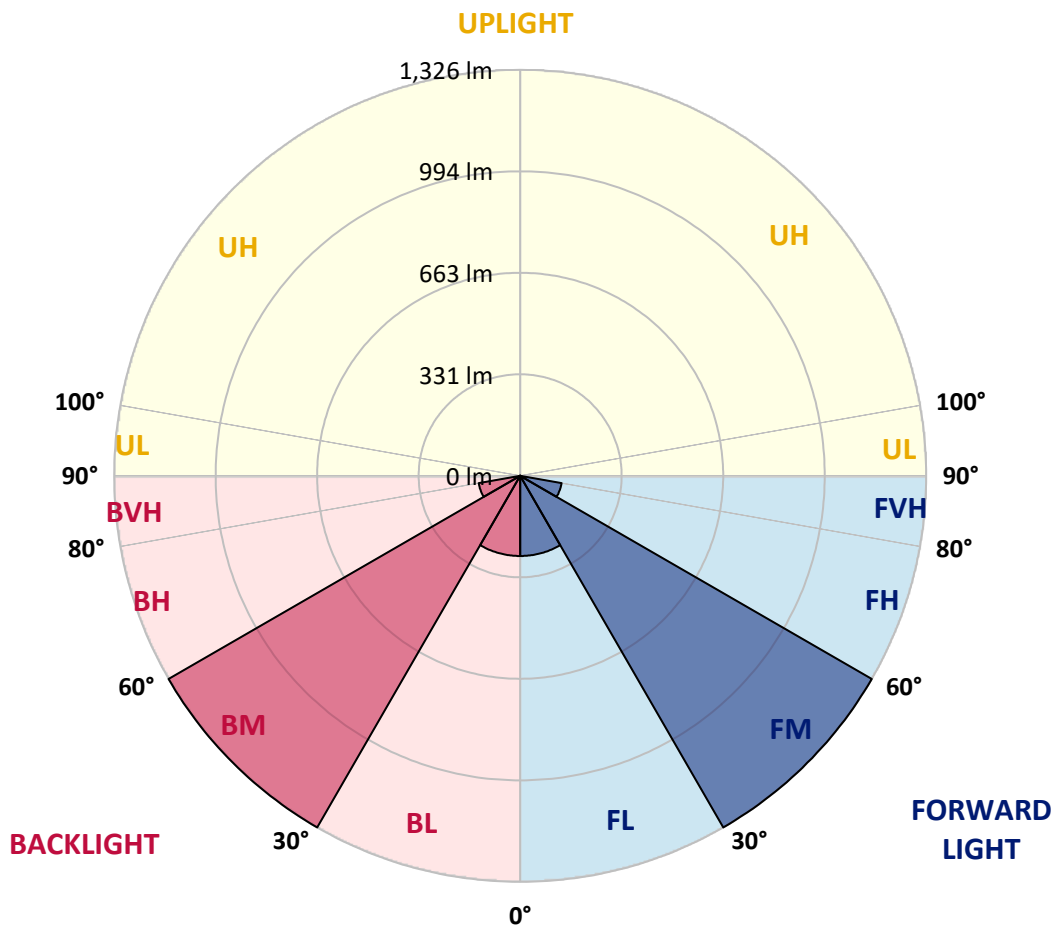


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.8	7.6			
FM (30°-60°)	1325.7	38.4			
FH (60°-80°)	137.4	4.0			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	261.8	7.6	B1/500		
BM (30°-60°)	1325.7	38.4	B2/2500		
BH (60°-80°)	137.4	4.0	B1/500		G0/660
BVH (80°-90°)	1.6	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°	605.0	605.0	605.0	605.0	605.0	605.0	605.0	605.0	605.0	605.0	605.0
2.5°	606.3	606.3	606.9	607.5	603.2	601.3	601.9	600.7	600.0	601.9	601.9
5°	604.4	604.4	602.5	603.2	603.2	597.5	597.5	598.8	598.8	595.0	593.8
7.5°	599.4	598.2	595.7	598.8	596.9	596.9	592.5	589.4	588.1	590.6	588.1
10°	588.8	589.4	591.9	593.2	591.9	595.7	588.1	583.8	579.4	577.5	577.5
12.5°	583.8	587.5	583.8	586.9	591.3	588.1	583.8	580.6	574.4	571.9	571.9
15°	583.1	585.6	586.9	591.3	589.4	590.6	581.9	578.1	568.7	564.4	562.5
17.5°	582.5	585.6	587.5	595.7	596.9	597.5	590.6	579.4	571.3	566.9	562.5
20°	589.4	590.6	594.4	602.5	607.5	616.3	603.8	591.9	574.4	569.4	567.5
22.5°	598.2	604.4	608.2	616.9	630.1	637.6	621.3	606.3	588.1	581.9	574.4
25°	626.3	625.1	631.3	649.5	660.1	665.7	652.6	630.7	606.9	599.4	600.7
27.5°	661.4	662.6	668.2	688.3	703.9	712.7	697.0	668.2	645.1	632.6	631.3
30°	707.0	705.8	712.0	738.9	767.1	780.2	752.7	718.9	696.4	680.1	683.9
32.5°	755.2	755.8	773.3	797.8	843.4	869.1	824.7	783.4	749.6	738.3	732.7
35°	826.5	829.7	843.4	881.0	931.6	964.8	916.0	866.6	827.8	807.1	809.6
37.5°	914.8	911.6	934.8	975.4	1028.6	1053.0	1011.7	955.4	916.0	902.2	911.0
40°	1008.6	1011.7	1023.6	1060.5	1120.0	1136.2	1074.9	1044.3	1009.9	1003.0	1013.6
42.5°	1102.5	1100.6	1109.3	1142.5	1185.7	1174.4	1138.1	1120.0	1095.6	1081.8	1096.2
45°	1171.3	1168.2	1184.4	1207.0	1222.6	1201.3	1185.1	1178.8	1166.3	1151.3	1164.4
47.5°	1238.2	1235.7	1251.4	1257.6	1258.9	1230.7	1233.9	1245.1	1213.8	1182.5	1197.6
50°	1295.2	1290.8	1310.2	1324.0	1320.8	1275.8	1287.0	1275.8	1227.0	1190.1	1184.4
52.5°	1390.3	1392.2	1412.8	1437.8	1430.3	1392.8	1376.5	1325.2	1262.6	1229.5	1210.1
55°	1450.3	1441.0	1476.6	1556.1	1564.8	1526.1	1454.1	1378.4	1284.5	1243.9	1238.9
56°	1394.0	1405.9	1462.2	1551.1	1596.1	1560.5	1456.0	1365.3	1262.0	1207.0	1203.2
57.5°	1250.7	1244.5	1320.8	1442.2	1564.8	1549.8	1404.7	1271.4	1151.3	1089.3	1081.8
60°	778.4	796.5	863.4	1013.6	1177.5	1185.1	1041.1	926.6	786.5	731.4	744.6
62.5°	304.7	289.1	331.0	443.0	555.6	580.6	526.2	437.4	359.1	304.7	301.0
65°	70.7	68.8	77.6	107.0	149.5	173.3	164.6	118.3	87.0	82.6	76.3
67.5°	40.0	40.0	38.2	38.2	41.9	44.4	42.5	41.9	43.8	45.7	45.0
70°	28.2	27.5	26.3	26.9	25.7	25.7	27.5	30.7	33.2	33.2	33.8
72.5°	16.9	16.9	16.9	18.8	18.8	18.8	20.6	23.2	23.8	23.2	22.5
75°	7.5	7.5	8.8	10.6	11.9	12.5	14.4	15.6	16.9	15.6	14.4
77.5°	1.9	1.9	3.1	4.4	5.6	6.9	9.4	11.3	11.9	11.3	9.4
80°	0.6	0.6	1.3	3.1	5.6	6.9	9.4	10.0	10.6	9.4	7.5
82.5°	0.6	0.6	1.3	3.1	4.4	5.6	7.5	8.8	9.4	8.1	7.5
85°	0.0	0.6	1.3	2.5	3.8	5.0	5.0	3.8	3.1	1.9	2.5
87.5°	0.0	0.0	0.6	0.6	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)