

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: P647211

Luminaire Tested: **GALN-SA1D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3961.2 lumens  
Efficiency: N/A  
Efficacy: 60.9 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

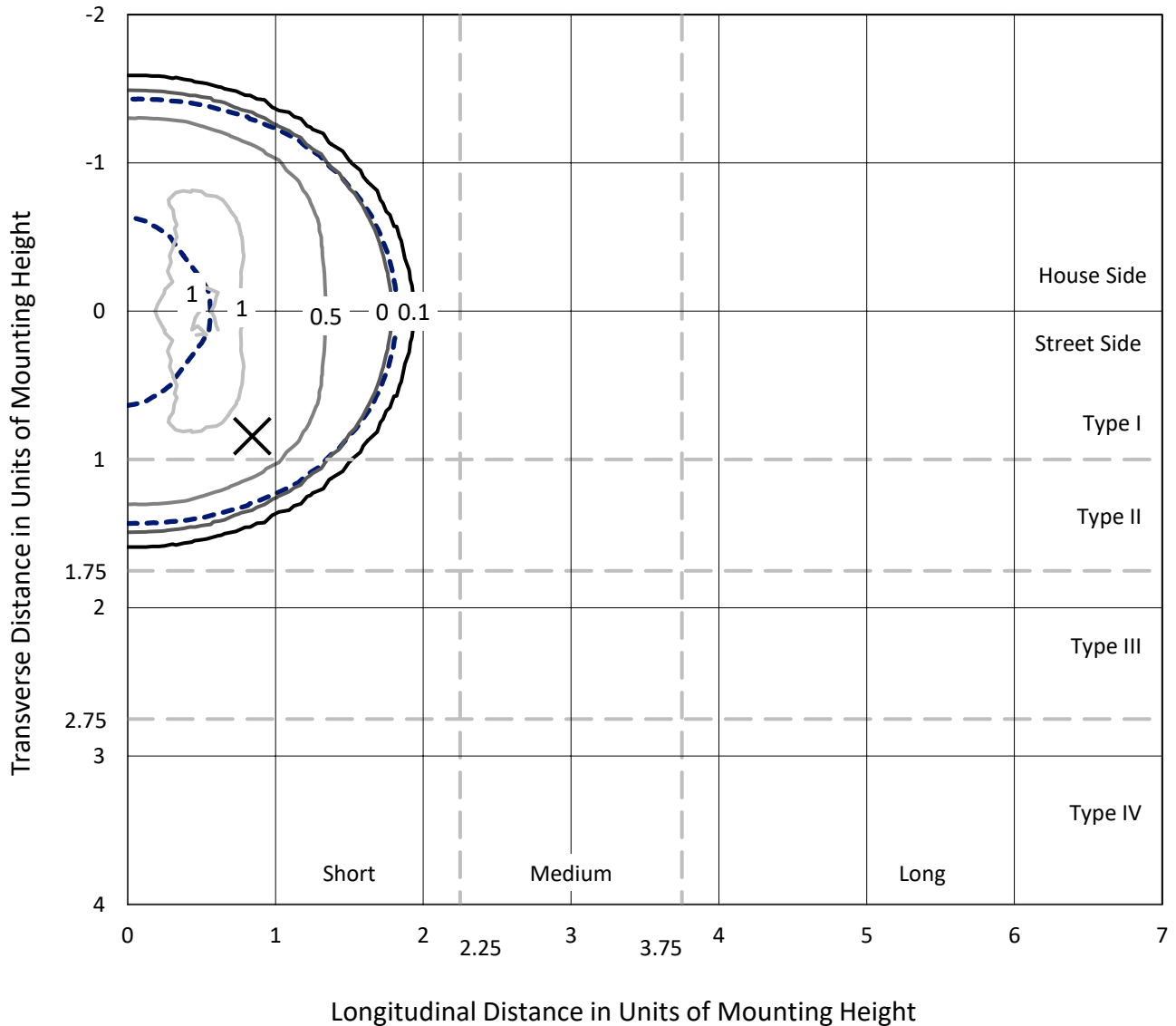
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

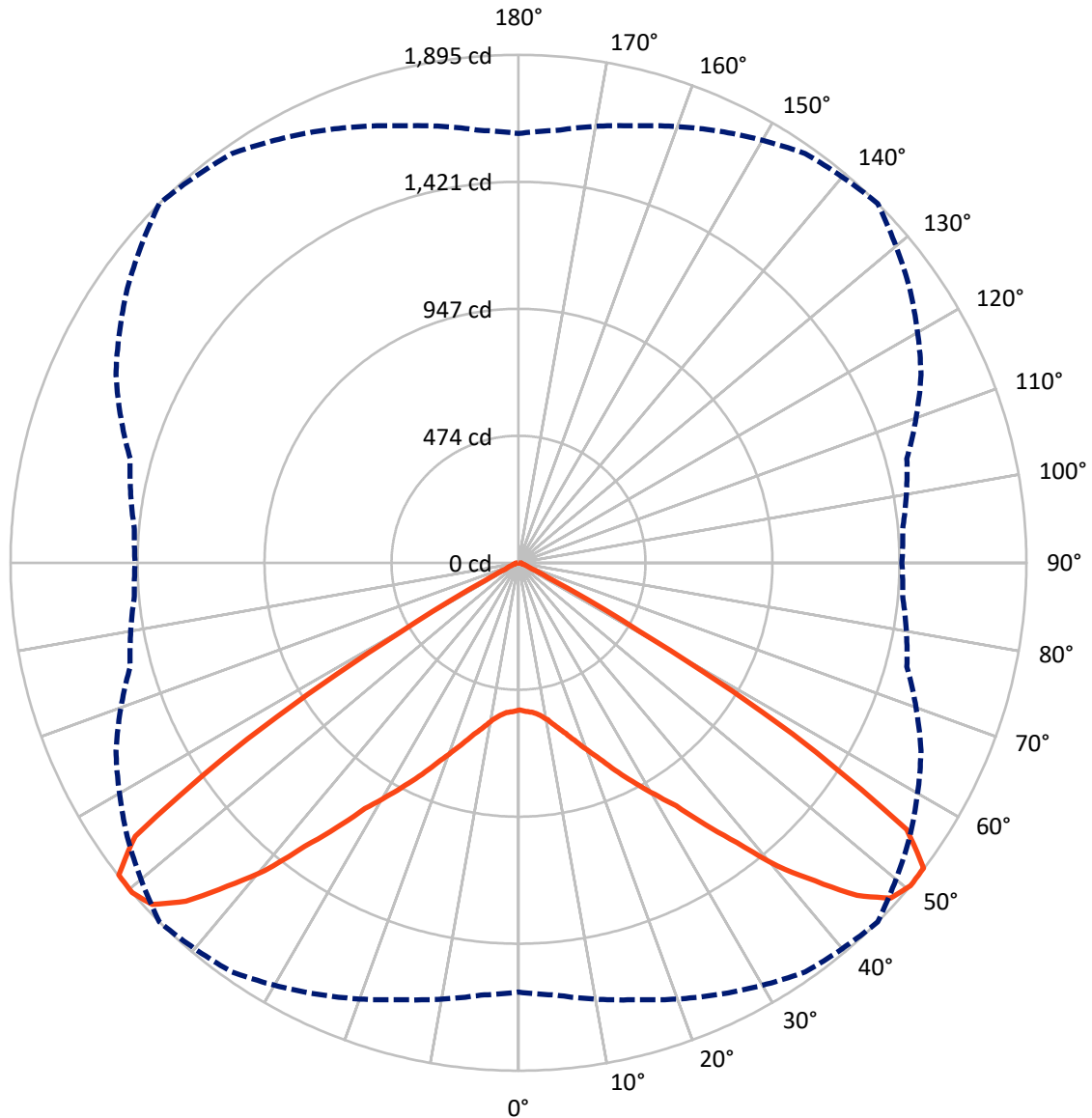
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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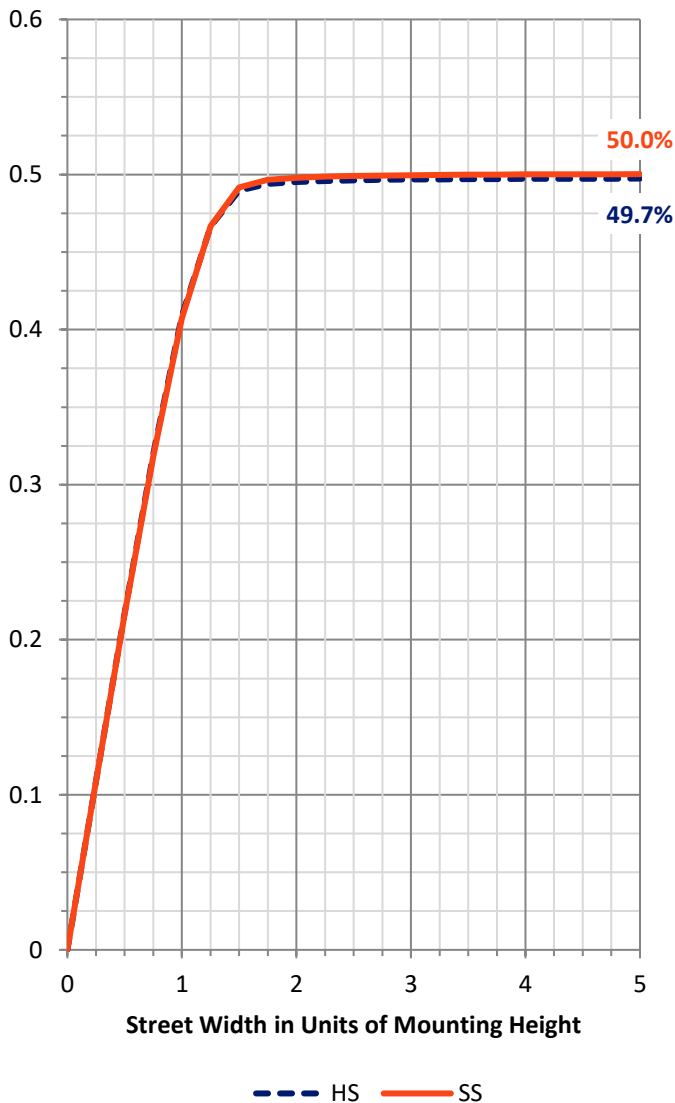
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1980.6	0.0	1980.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1980.6	0.0	1980.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3961.2	0.0	3961.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.6	1.4
10°-20°	188.3	4.8
20°-30°	384.6	9.7
30°-40°	733.4	18.5
40°-50°	1235.9	31.2
50°-60°	1178.6	29.8
60°-70°	164.5	4.2
70°-80°	15.7	0.4
80°-90°	5.5	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°	3961.2	100.0
0°-180°	3961.2	100.0

**Coefficient of Utilization**

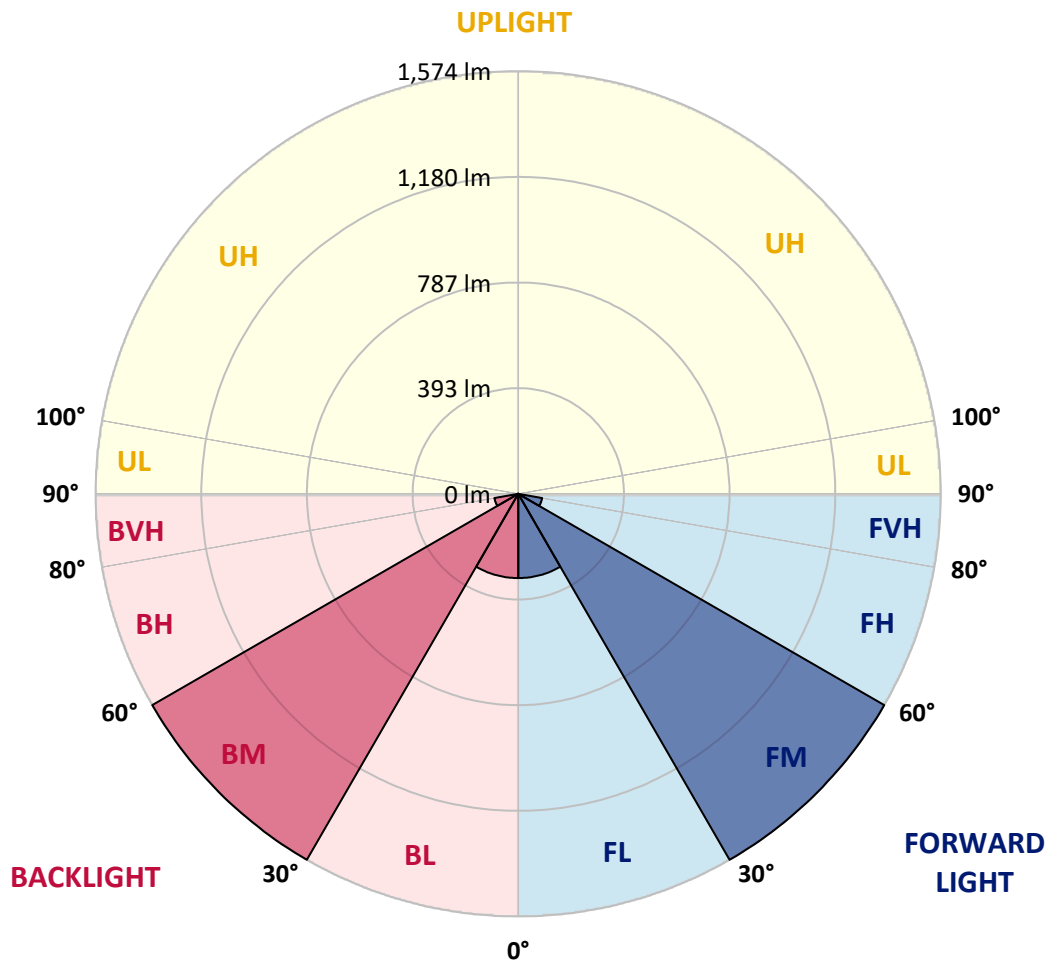


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.8	7.9			
FM (30°-60°)	1574.0	39.7			
FH (60°-80°)	90.1	2.3			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	313.8	7.9	B1/500		
BM (30°-60°)	1574.0	39.7	B2/2500		
BH (60°-80°)	90.1	2.3	B0/110		G0/660
BVH (80°-90°)	2.7	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°	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2
2.5°	547.2	547.2	546.5	551.9	549.2	555.1	554.5	556.5	558.5	557.8	563.1
5°	542.5	541.8	541.8	547.9	553.8	560.5	566.5	570.5	577.1	577.1	583.8
7.5°	547.2	543.9	548.5	551.2	562.5	573.9	583.8	591.9	607.1	612.5	610.5
10°	548.5	552.5	555.9	563.8	577.9	595.2	603.8	623.8	641.1	653.2	655.8
12.5°	557.2	563.1	572.5	591.9	604.5	627.2	639.2	658.5	682.5	695.8	705.2
15°	573.9	575.8	587.8	612.5	639.8	660.5	679.2	693.1	716.4	731.8	732.4
17.5°	595.2	603.8	620.5	643.8	672.4	703.1	717.8	733.1	741.8	762.5	767.1
20°	637.8	639.2	655.1	685.8	721.8	749.8	760.4	768.4	765.1	786.4	790.4
22.5°	677.8	679.2	699.1	740.5	779.1	803.1	807.7	803.1	793.1	808.4	809.8
25°	718.5	730.5	745.1	786.4	834.4	866.4	867.1	854.4	833.7	836.4	843.1
27.5°	781.7	790.4	805.8	843.8	896.4	932.4	926.4	911.1	884.4	886.4	884.4
30°	855.7	863.7	876.4	925.0	963.7	1003.0	1011.7	997.1	957.1	948.4	958.4
32.5°	945.1	956.4	979.7	1024.4	1057.0	1081.0	1087.0	1081.7	1044.4	1041.0	1047.7
35°	1053.7	1069.0	1090.3	1129.7	1156.3	1199.6	1199.6	1181.6	1147.6	1151.6	1151.0
37.5°	1168.3	1191.0	1224.3	1264.3	1300.3	1323.6	1316.3	1301.0	1267.0	1258.3	1267.0
40°	1312.3	1323.6	1365.6	1417.6	1461.5	1488.2	1456.9	1423.6	1342.3	1355.0	1378.2
42.5°	1443.6	1461.5	1493.6	1550.9	1600.8	1622.8	1585.6	1519.6	1421.6	1411.6	1428.9
45°	1555.6	1574.8	1616.9	1698.9	1751.5	1770.8	1688.1	1581.6	1469.6	1444.2	1451.6
47.5°	1630.2	1640.2	1698.9	1776.9	1824.8	1868.8	1750.2	1624.2	1492.2	1444.2	1441.6
50°	1601.5	1618.9	1687.5	1776.2	1863.5	1894.8	1781.5	1656.8	1499.6	1438.3	1430.2
52.5°	1422.2	1452.2	1528.9	1648.2	1780.2	1892.1	1824.8	1646.2	1496.9	1444.2	1456.2
55°	989.7	990.4	1083.7	1259.6	1492.9	1756.8	1761.5	1658.2	1514.2	1481.6	1482.2
57.5°	397.9	417.9	489.2	665.8	881.1	1206.3	1434.2	1538.2	1516.2	1508.2	1528.9
60°	100.6	101.3	123.3	187.9	309.9	517.2	751.1	1016.4	1170.4	1223.0	1230.3
62.5°	51.3	52.0	57.3	66.6	84.6	138.6	246.6	391.2	556.5	640.5	662.5
65°	42.0	42.0	45.3	50.0	50.7	53.3	64.0	91.3	132.6	150.6	152.6
67.5°	32.0	32.0	34.7	37.3	38.7	38.0	36.6	38.0	46.0	44.0	42.7
70°	20.0	20.7	22.0	24.7	26.0	26.6	27.3	28.7	32.7	34.0	32.7
72.5°	12.0	12.0	12.7	14.6	16.7	18.0	20.0	21.3	23.3	26.6	26.0
75°	5.3	5.3	6.7	8.7	10.6	12.7	14.6	16.7	18.0	20.0	20.7
77.5°	1.3	2.0	3.4	6.0	8.0	10.6	13.3	15.3	16.7	16.7	16.0
80°	0.7	0.7	2.7	4.7	8.7	11.4	14.6	16.0	18.0	16.7	14.6
82.5°	0.7	0.7	2.7	4.7	8.0	11.4	15.3	17.3	18.6	16.7	14.0
85°	0.0	0.7	2.0	4.0	6.7	8.0	6.7	4.7	2.7	2.7	2.0
87.5°	0.0	0.0	0.7	0.7	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)