

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: P647198

Luminaire Tested: **GALN-SA1D-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647198  
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-835-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 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: 3678.5 lumens  
Efficiency: N/A  
Efficacy: 56.6 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

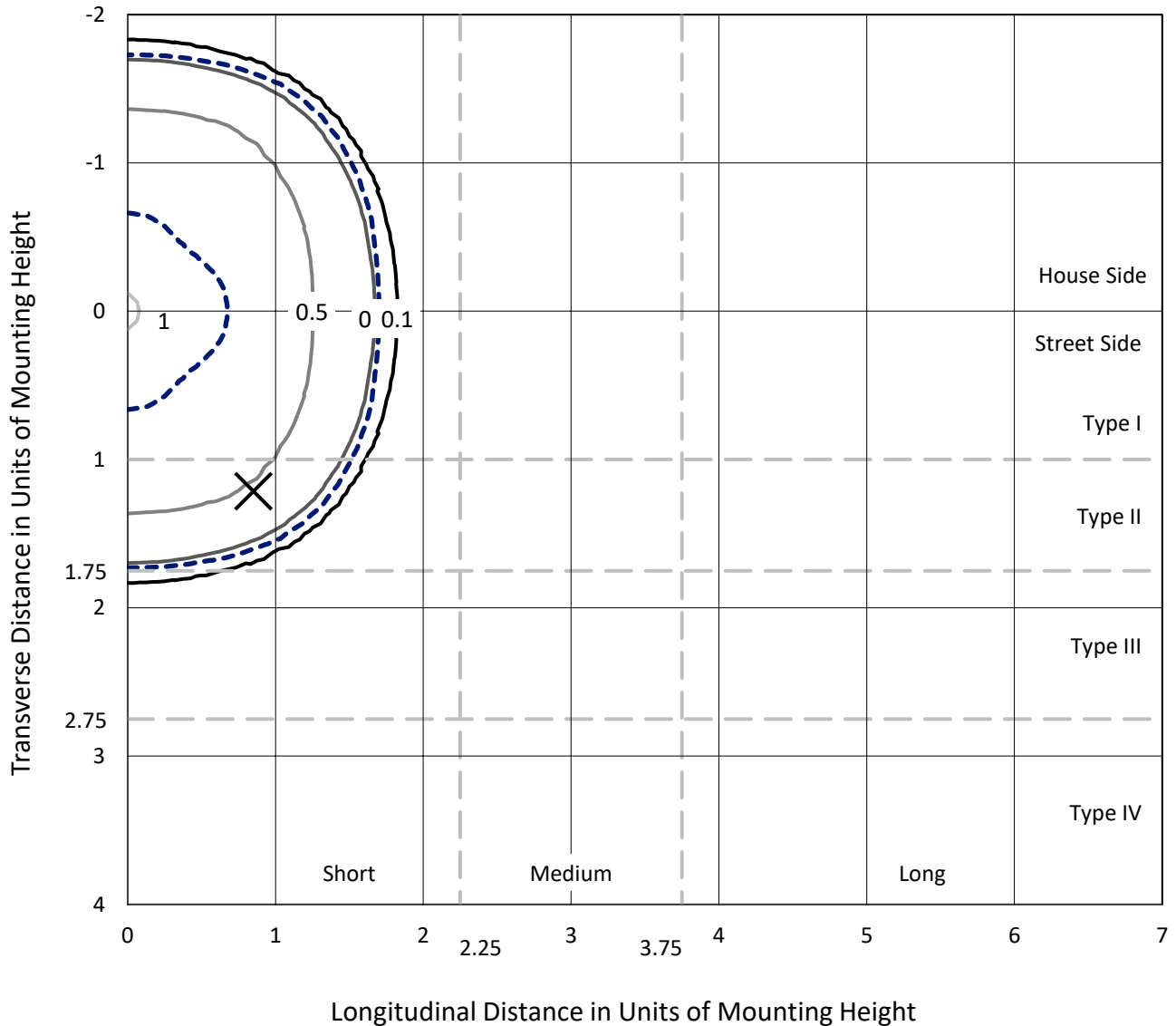
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

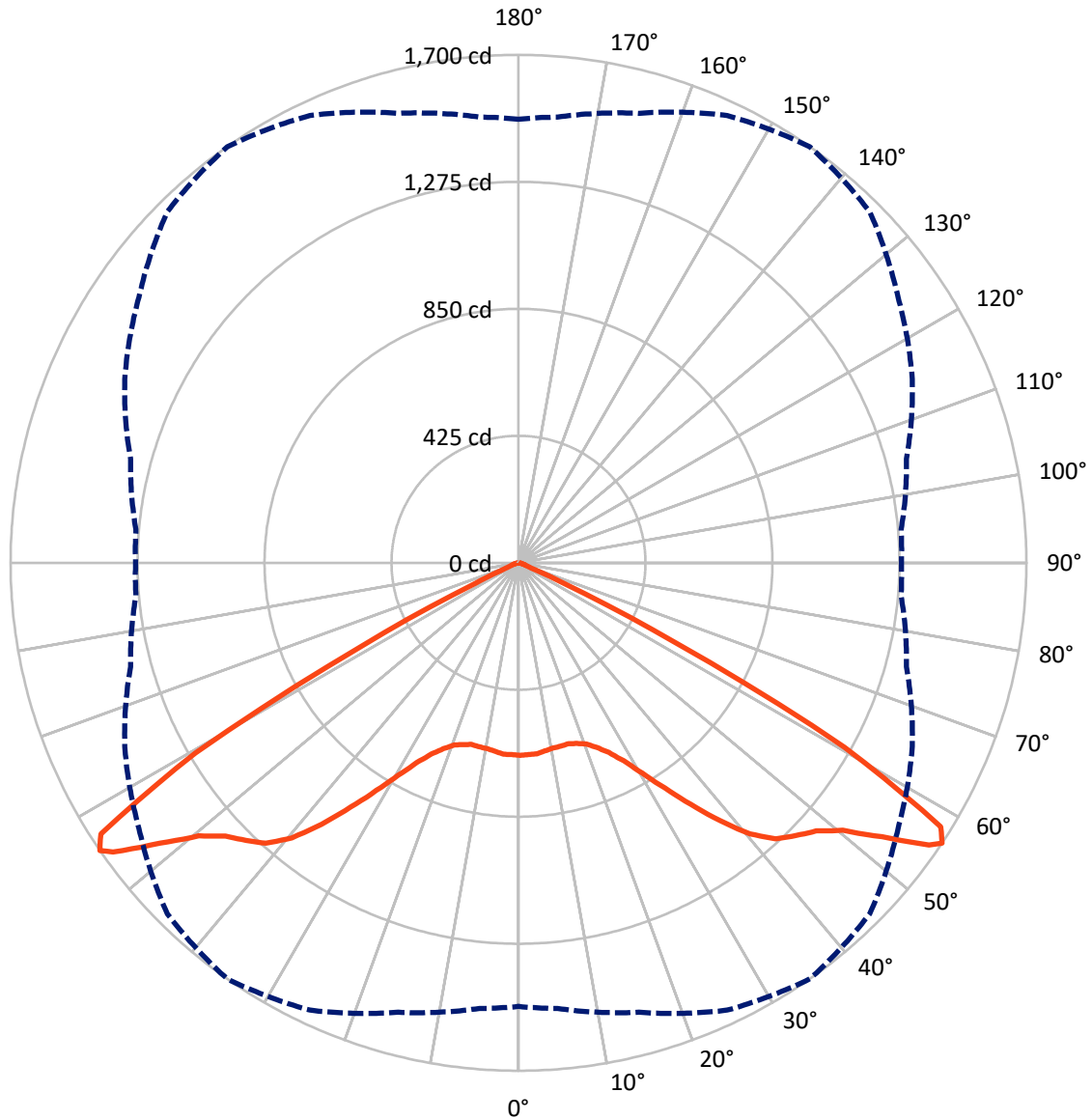
× Max cd  
 - - - 1/2 Max cd



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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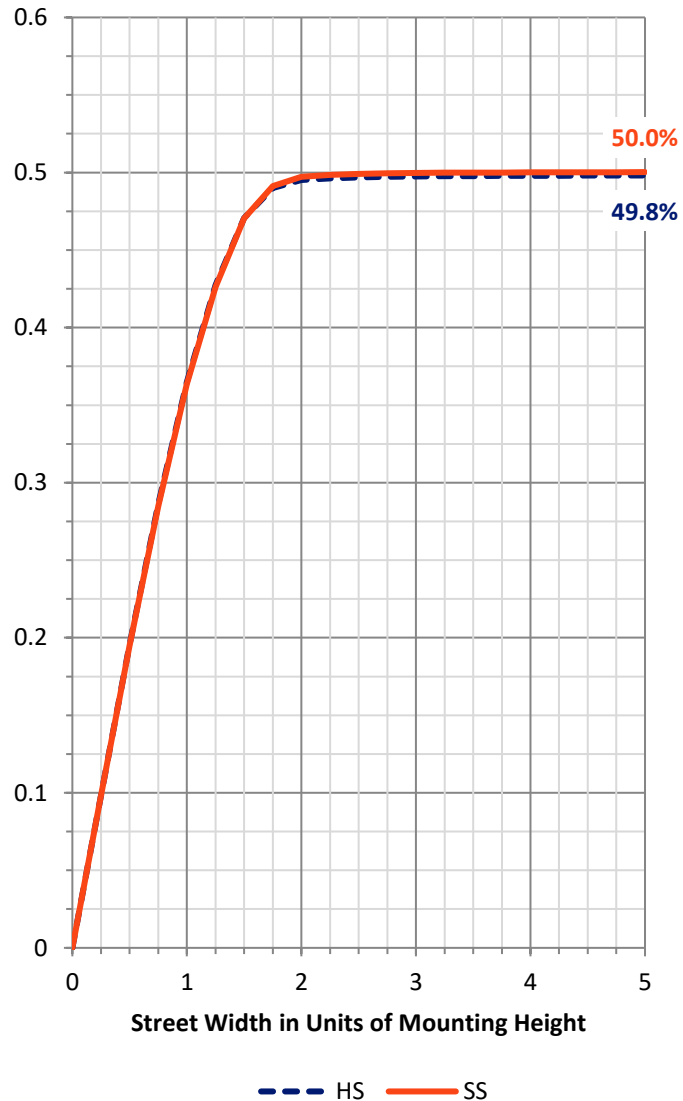
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1839.3	0.0	1839.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1839.3	0.0	1839.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3678.5	0.0	3678.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	1.6
10°-20°	176.9	4.8
20°-30°	320.3	8.7
30°-40°	593.9	16.1
40°-50°	974.8	26.5
50°-60°	1255.9	34.1
60°-70°	276.8	7.5
70°-80°	16.1	0.4
80°-90°	3.4	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°	3678.5	100.0
0°-180°	3678.5	100.0

**Coefficient of Utilization**

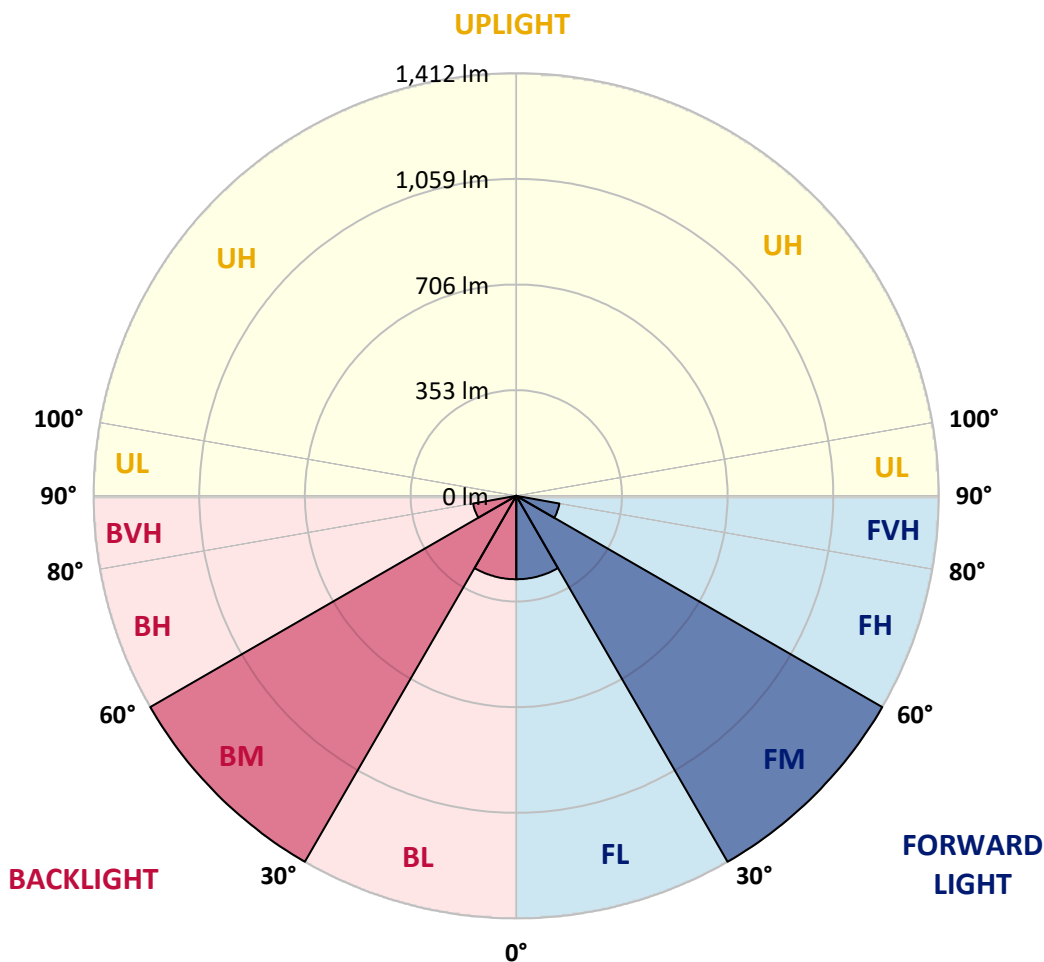


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.9	7.6			
FM (30°-60°)	1412.3	38.4			
FH (60°-80°)	146.4	4.0			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	278.9	7.6	B1/500		
BM (30°-60°)	1412.3	38.4	B2/2500		
BH (60°-80°)	146.4	4.0	B1/500		G0/660
BVH (80°-90°)	1.7	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°	644.6	644.6	644.6	644.6	644.6	644.6	644.6	644.6	644.6	644.6	644.6
2.5°	645.9	645.9	646.5	647.2	642.5	640.6	641.2	639.9	639.2	641.2	641.2
5°	643.9	643.9	641.9	642.5	642.5	636.6	636.6	637.9	637.9	633.9	632.6
7.5°	638.5	637.2	634.5	637.9	635.9	635.9	631.3	627.9	626.6	629.2	626.6
10°	627.3	627.9	630.5	631.9	630.5	634.5	626.6	621.9	617.2	615.2	615.2
12.5°	621.9	625.9	621.9	625.2	629.9	626.6	621.9	618.6	611.9	609.3	609.3
15°	621.2	623.9	625.2	629.9	627.9	629.2	619.9	615.9	605.9	601.3	599.2
17.5°	620.5	623.9	625.9	634.5	635.9	636.6	629.2	617.2	608.5	603.9	599.2
20°	627.9	629.2	633.2	641.9	647.2	656.5	643.2	630.5	611.9	606.6	604.6
22.5°	637.2	643.9	647.9	657.3	671.2	679.3	661.9	645.9	626.6	619.9	611.9
25°	667.2	665.9	672.5	691.9	703.2	709.2	695.2	671.9	646.5	638.5	639.9
27.5°	704.5	705.9	711.9	733.2	749.9	759.2	742.5	711.9	687.2	673.8	672.5
30°	753.2	751.8	758.6	787.2	817.2	831.2	801.9	765.9	741.9	724.5	728.6
32.5°	804.5	805.2	823.9	849.9	898.5	925.8	878.5	834.5	798.5	786.5	780.6
35°	880.5	883.9	898.5	938.5	992.5	1027.8	975.9	923.2	881.8	859.9	862.6
37.5°	974.5	971.2	995.8	1039.2	1095.8	1121.8	1077.8	1017.8	975.9	961.2	970.5
40°	1074.5	1077.8	1090.5	1129.8	1193.1	1210.4	1145.1	1112.5	1075.8	1068.5	1079.8
42.5°	1174.5	1172.5	1181.8	1217.1	1263.1	1251.2	1212.5	1193.1	1167.1	1152.5	1167.8
45°	1247.8	1244.4	1261.8	1285.8	1302.4	1279.8	1262.4	1255.8	1242.5	1226.5	1240.4
47.5°	1319.1	1316.5	1333.1	1339.8	1341.1	1311.1	1314.4	1326.5	1293.1	1259.8	1275.8
50°	1379.8	1375.1	1395.8	1410.4	1407.1	1359.1	1371.1	1359.1	1307.1	1267.8	1261.8
52.5°	1481.1	1483.1	1505.1	1531.7	1523.7	1483.8	1466.4	1411.7	1345.1	1309.8	1289.1
55°	1545.1	1535.1	1573.0	1657.7	1667.1	1625.7	1549.1	1468.4	1368.4	1325.1	1319.7
56°	1485.1	1497.7	1557.7	1652.4	1700.4	1662.4	1551.0	1454.4	1344.4	1285.8	1281.8
57.5°	1332.4	1325.8	1407.1	1536.4	1667.1	1651.0	1496.4	1354.4	1226.5	1160.5	1152.5
60°	829.2	848.5	919.9	1079.8	1254.4	1262.4	1109.1	987.2	837.9	779.2	793.2
62.5°	324.6	308.0	352.6	471.9	591.9	618.6	560.5	465.9	382.6	324.6	320.6
65°	75.3	73.3	82.7	114.0	159.3	184.6	175.3	126.0	92.6	88.0	81.4
67.5°	42.7	42.7	40.6	40.6	44.6	47.3	45.3	44.6	46.7	48.6	48.0
70°	30.0	29.4	28.0	28.7	27.3	27.3	29.4	32.7	35.3	35.3	36.0
72.5°	18.0	18.0	18.0	20.0	20.0	20.0	22.0	24.7	25.3	24.7	24.0
75°	8.0	8.0	9.3	11.4	12.7	13.3	15.3	16.7	18.0	16.7	15.3
77.5°	2.0	2.0	3.4	4.7	6.0	7.4	10.0	12.0	12.7	12.0	10.0
80°	0.7	0.7	1.3	3.4	6.0	7.4	10.0	10.6	11.4	10.0	8.0
82.5°	0.7	0.7	1.3	3.4	4.7	6.0	8.0	9.3	10.0	8.7	8.0
85°	0.0	0.7	1.3	2.7	4.0	5.3	5.3	4.0	3.4	2.0	2.7
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)