

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: P526331

Luminaire Tested: **GALN-SA1B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526331  
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-SA1B-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

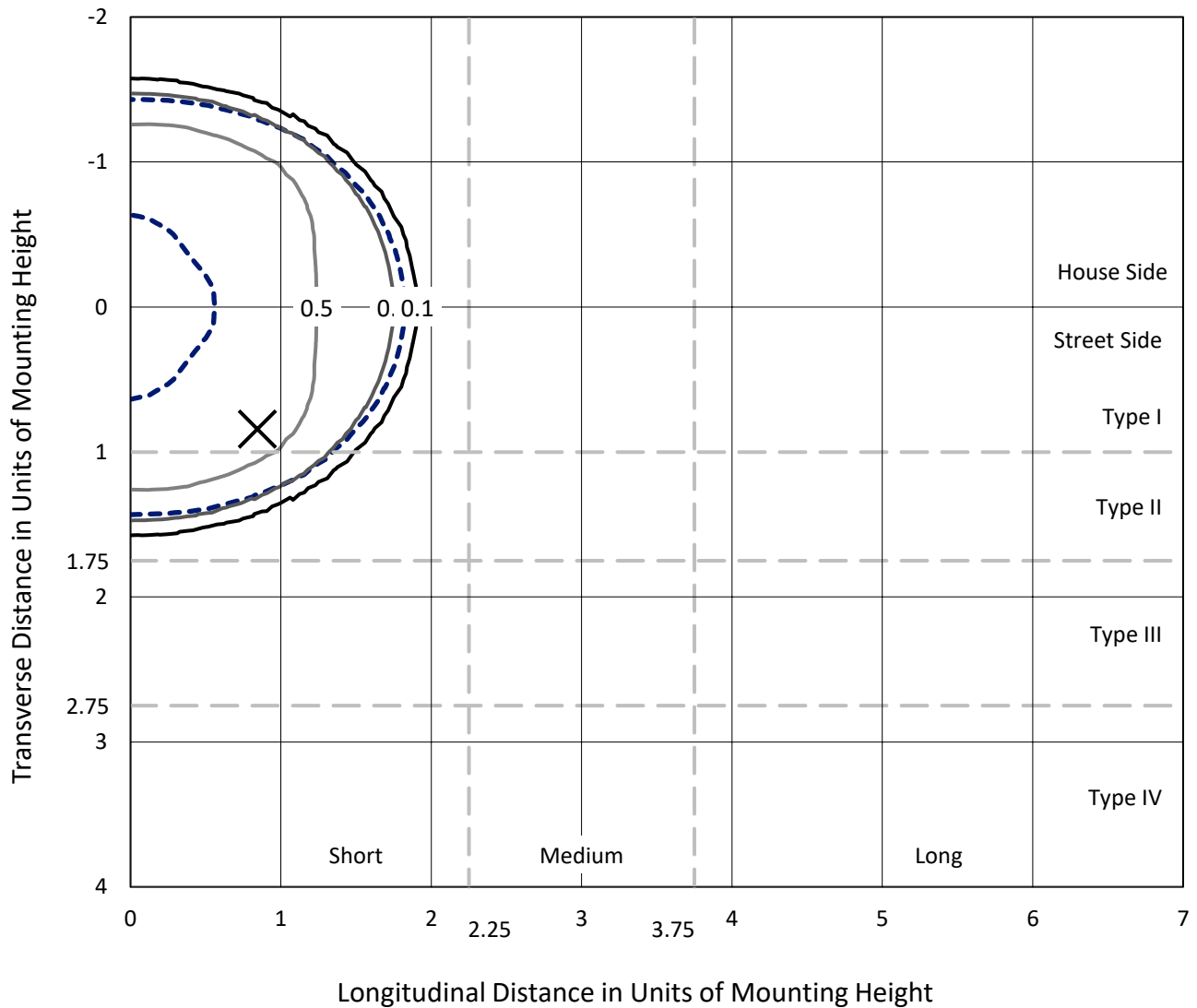
Lumens per Lamp: N/A  
Luminaire Lumens: 3466 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

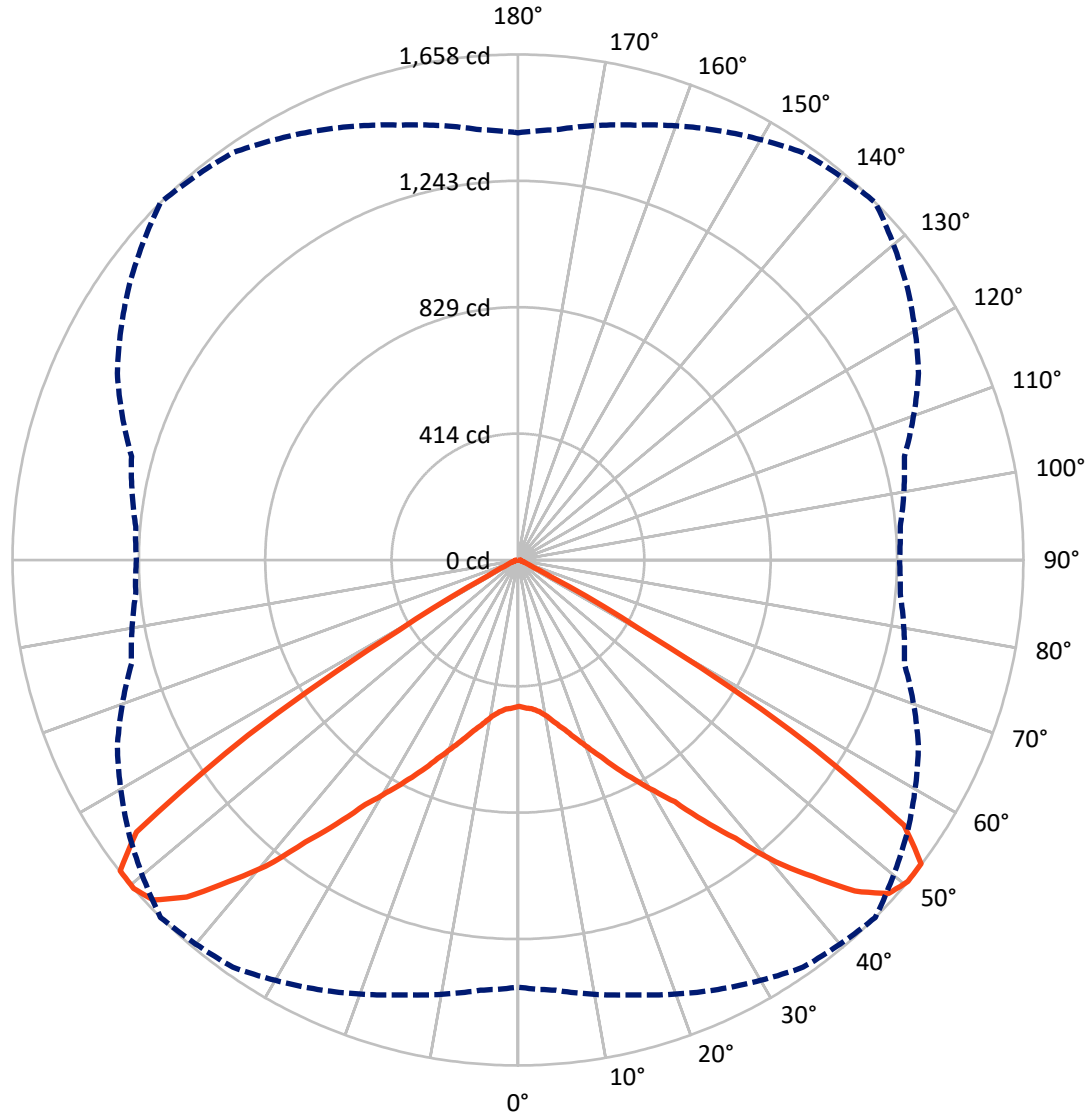
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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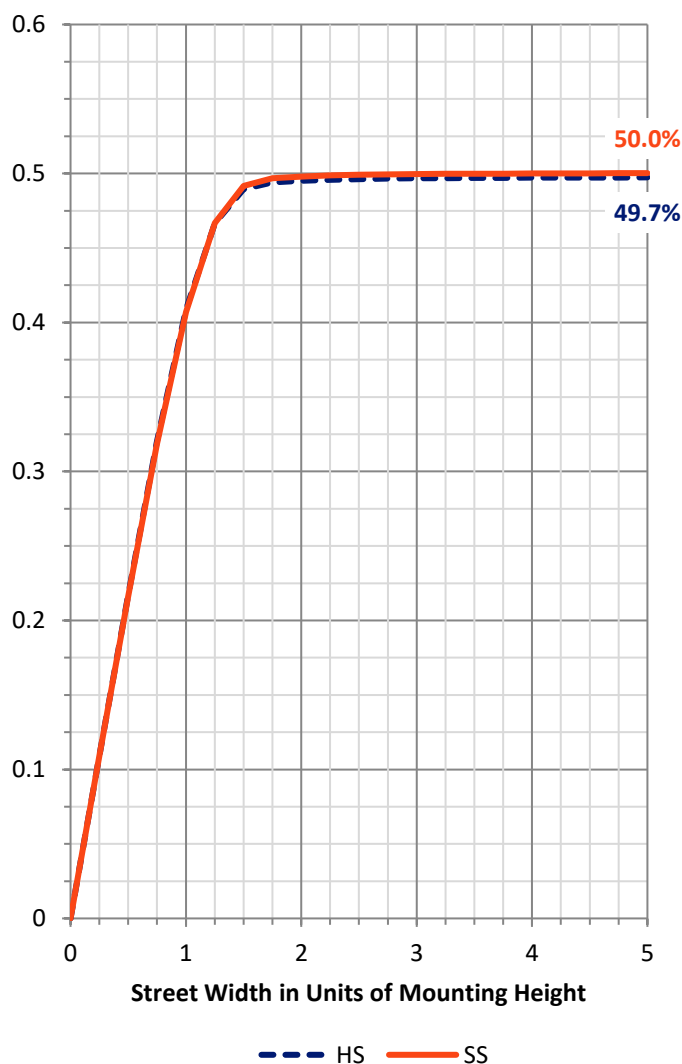
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1733.0	0.0	1733.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1733.0	0.0	1733.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3466.0	0.0	3466.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	1.4
10°-20°	164.8	4.8
20°-30°	336.5	9.7
30°-40°	641.7	18.5
40°-50°	1081.4	31.2
50°-60°	1031.3	29.8
60°-70°	144.0	4.2
70°-80°	13.8	0.4
80°-90°	4.8	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°	3466.0	100.0
0°-180°	3466.0	100.0

**Coefficient of Utilization**



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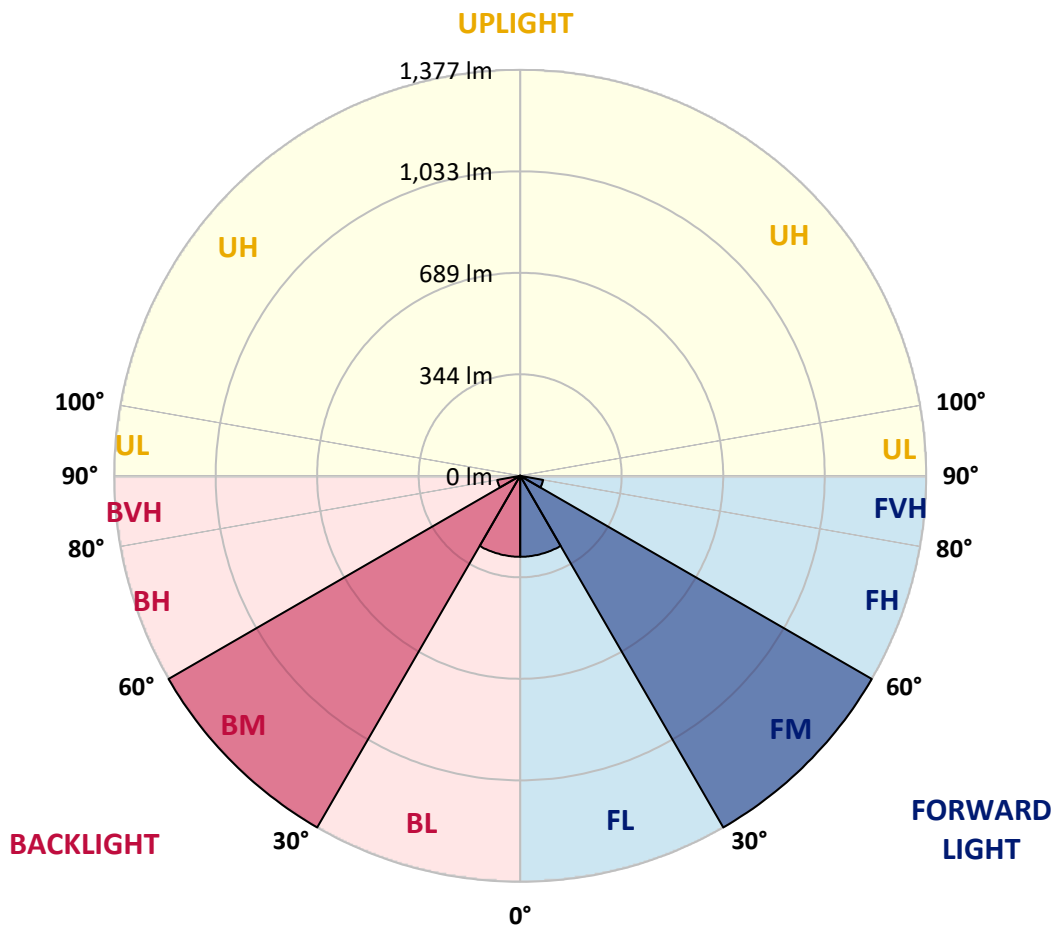
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.5	7.9			
FM (30°-60°)	1377.2	39.7			
FH (60°-80°)	78.9	2.3			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	274.5	7.9	B1/500		
BM (30°-60°)	1377.2	39.7	B2/2500		
BH (60°-80°)	78.9	2.3	B0/110		G0/660
BVH (80°-90°)	2.4	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°	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5
2.5°	478.8	478.8	478.2	482.9	480.5	485.8	485.2	486.9	488.7	488.1	492.8
5°	474.7	474.1	474.1	479.4	484.6	490.4	495.7	499.2	505.0	505.0	510.8
7.5°	478.8	475.9	479.9	482.3	492.2	502.1	510.8	517.8	531.3	535.9	534.2
10°	479.9	483.4	486.4	493.4	505.6	520.8	528.3	545.8	561.0	571.5	573.8
12.5°	487.5	492.8	500.9	517.8	528.9	548.8	559.2	576.2	597.2	608.8	617.0
15°	502.1	503.8	514.3	535.9	559.8	577.9	594.2	606.5	626.9	640.3	640.9
17.5°	520.8	528.3	542.9	563.3	588.4	615.2	628.1	641.5	649.1	667.1	671.2
20°	558.1	559.2	573.2	600.1	631.6	656.1	665.4	672.4	669.5	688.1	691.6
22.5°	593.1	594.2	611.7	647.9	681.7	702.7	706.8	702.7	694.0	707.4	708.5
25°	628.6	639.1	652.0	688.1	730.1	758.1	758.7	747.6	729.5	731.9	737.7
27.5°	684.0	691.6	705.0	738.3	784.3	815.8	810.6	797.2	773.9	775.6	773.9
30°	748.8	755.8	766.9	809.4	843.2	877.7	885.2	872.4	837.4	829.8	838.6
32.5°	826.9	836.8	857.2	896.3	924.9	945.9	951.1	946.5	913.8	910.9	916.7
35°	922.0	935.4	954.0	988.5	1011.8	1049.7	1049.7	1033.9	1004.2	1007.7	1007.1
37.5°	1022.3	1042.1	1071.3	1106.3	1137.7	1158.2	1151.7	1138.3	1108.6	1101.0	1108.6
40°	1148.2	1158.2	1194.9	1240.4	1278.9	1302.2	1274.8	1245.6	1174.5	1185.6	1206.0
42.5°	1263.1	1278.9	1306.9	1357.0	1400.7	1420.0	1387.3	1329.6	1243.9	1235.1	1250.3
45°	1361.1	1378.0	1414.7	1486.5	1532.5	1549.5	1477.1	1383.8	1285.9	1263.7	1270.1
47.5°	1426.4	1435.2	1486.5	1554.7	1596.7	1635.2	1531.4	1421.2	1305.7	1263.7	1261.4
50°	1401.3	1416.5	1476.6	1554.1	1630.5	1657.9	1558.8	1449.7	1312.1	1258.5	1251.5
52.5°	1244.5	1270.7	1337.8	1442.2	1557.6	1655.6	1596.7	1440.4	1309.8	1263.7	1274.2
55°	866.0	866.6	948.2	1102.2	1306.3	1537.2	1541.3	1450.9	1324.9	1296.4	1296.9
57.5°	348.1	365.6	428.0	582.6	770.9	1055.5	1255.0	1345.9	1326.7	1319.7	1337.8
60°	88.1	88.6	107.9	164.5	271.2	452.5	657.2	889.3	1024.0	1070.1	1076.5
62.5°	44.9	45.5	50.2	58.3	74.1	121.3	215.8	342.3	486.9	560.4	579.7
65°	36.7	36.7	39.7	43.7	44.3	46.7	56.0	79.9	116.0	131.8	133.5
67.5°	28.0	28.0	30.3	32.7	33.8	33.2	32.1	33.2	40.2	38.5	37.3
70°	17.5	18.1	19.2	21.6	22.7	23.3	23.9	25.1	28.6	29.7	28.6
72.5°	10.5	10.5	11.1	12.8	14.6	15.7	17.5	18.7	20.4	23.3	22.7
75°	4.7	4.7	5.8	7.6	9.3	11.1	12.8	14.6	15.7	17.5	18.1
77.5°	1.2	1.7	2.9	5.2	7.0	9.3	11.7	13.4	14.6	14.6	14.0
80°	0.6	0.6	2.3	4.1	7.6	9.9	12.8	14.0	15.7	14.6	12.8
82.5°	0.6	0.6	2.3	4.1	7.0	9.9	13.4	15.2	16.3	14.6	12.2
85°	0.0	0.6	1.7	3.5	5.8	7.0	5.8	4.1	2.3	2.3	1.7
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)