

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: P526358

Luminaire Tested: **GALN-SA1B-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

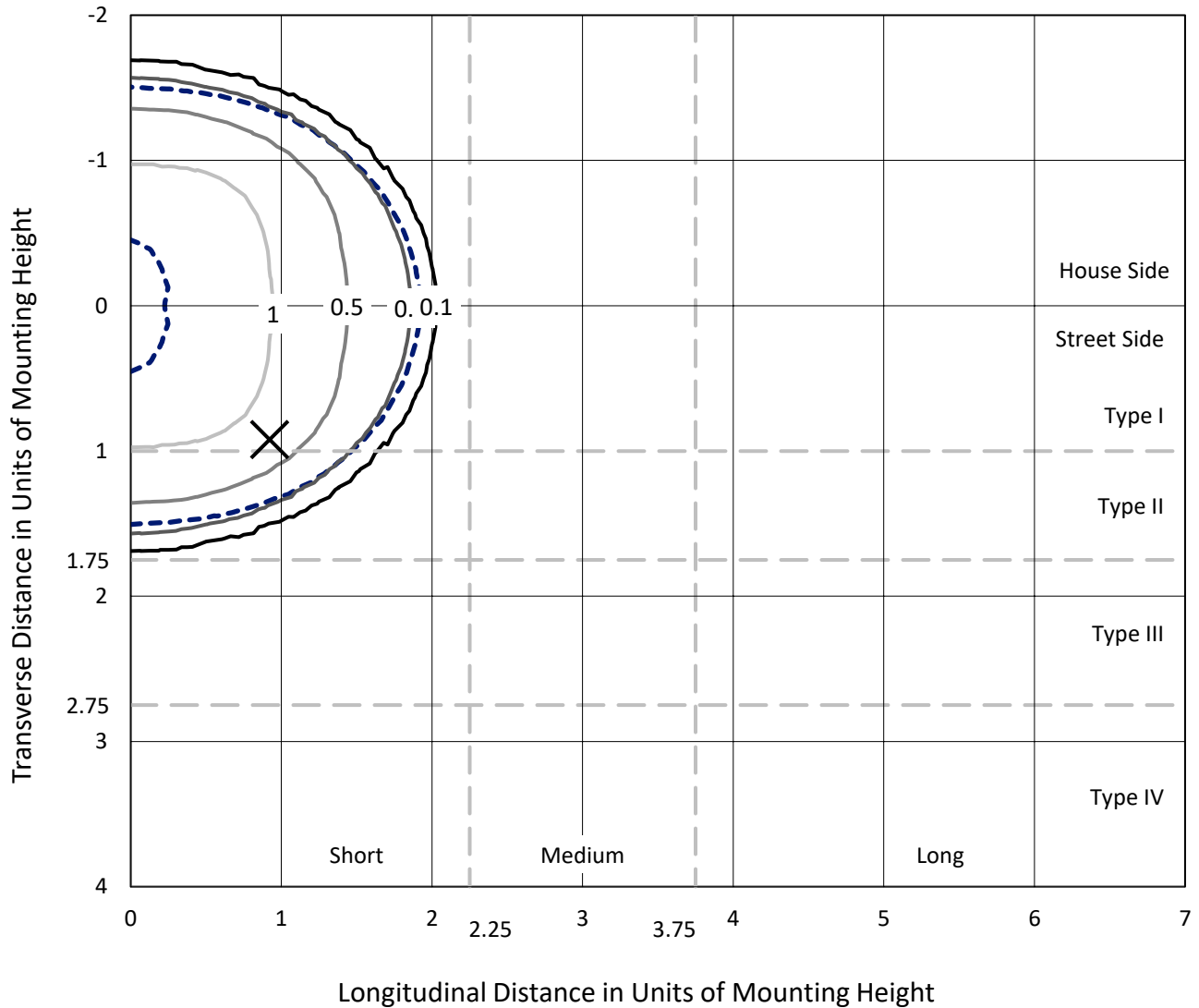
Lumens per Lamp: N/A  
Luminaire Lumens: 5045 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

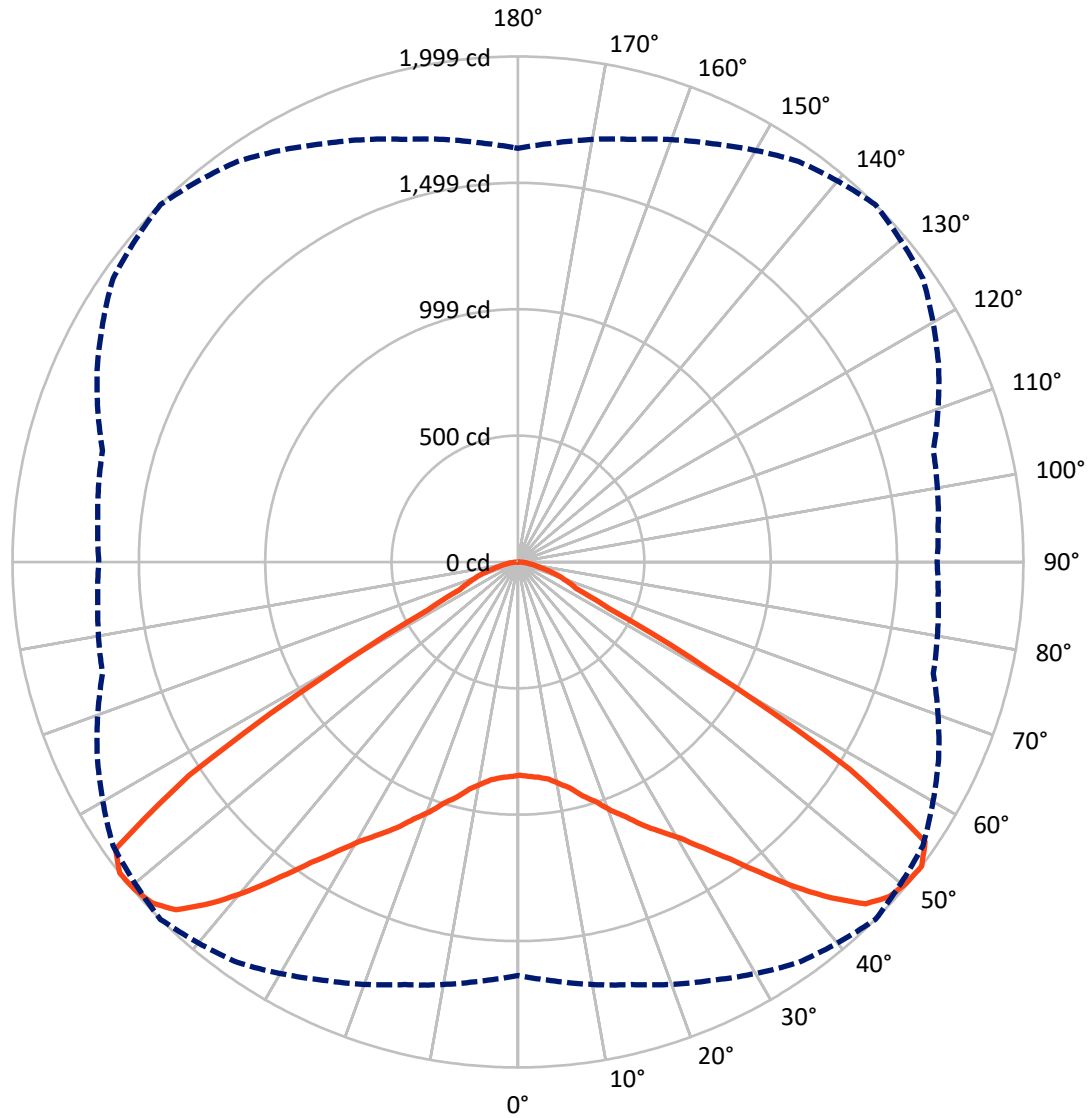
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2522.5	0.0	2522.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2522.5	0.0	2522.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5045.0	0.0	5045.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	1.6
10°-20°	272.3	5.4
20°-30°	518.3	10.3
30°-40°	890.0	17.6
40°-50°	1368.0	27.1
50°-60°	1389.2	27.5
60°-70°	387.1	7.7
70°-80°	114.2	2.3
80°-90°	23.0	0.5
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°	5045.0	100.0
0°-180°	5045.0	100.0

**Coefficient of Utilization**



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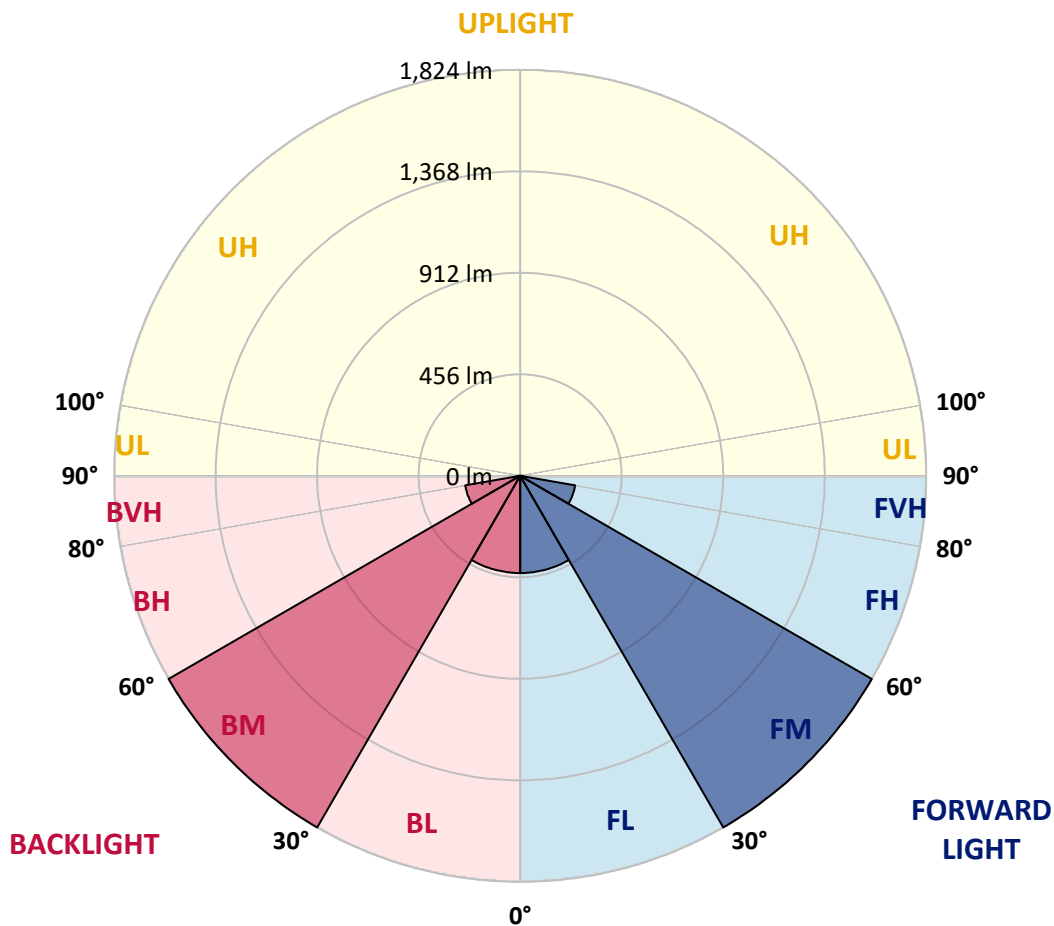
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.7	8.7			
FM (30°-60°)	1823.6	36.1			
FH (60°-80°)	250.7	5.0			G0/660
FVH (80°-90°)	11.5	0.2			G1/100
BL (0°-30°)	436.7	8.7	B1/500		
BM (30°-60°)	1823.6	36.1	B2/2500		
BH (60°-80°)	250.7	5.0	B1/500		G0/660
BVH (80°-90°)	11.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3
2.5°	845.2	836.5	839.6	841.5	849.6	849.0	847.1	849.6	852.1	852.7	851.5
5°	844.6	838.3	840.8	842.7	850.9	855.2	854.0	864.6	872.1	870.3	879.7
7.5°	839.6	843.3	840.2	849.6	856.5	867.1	878.4	888.4	897.8	908.5	910.3
10°	850.9	850.9	856.5	864.0	882.2	890.3	906.6	921.0	939.1	951.7	946.6
12.5°	862.7	864.6	864.6	884.0	899.1	917.2	932.2	951.7	977.3	992.3	999.9
15°	874.6	875.9	882.2	908.5	931.0	959.8	973.6	991.1	1005.5	1033.7	1034.3
17.5°	885.3	892.2	911.0	940.4	968.6	996.1	1018.0	1036.2	1048.7	1060.0	1057.5
20°	925.4	930.4	949.8	979.2	1021.1	1048.1	1055.6	1058.7	1066.9	1089.4	1082.5
22.5°	964.2	966.1	984.2	1029.3	1058.7	1094.4	1102.5	1100.7	1103.8	1109.4	1119.4
25°	1004.2	1007.4	1032.4	1070.6	1111.9	1154.5	1161.4	1147.0	1142.6	1148.9	1149.5
27.5°	1055.6	1056.2	1088.1	1121.3	1168.3	1208.3	1219.0	1207.7	1187.1	1192.1	1200.2
30°	1120.7	1116.3	1148.2	1195.8	1245.3	1267.8	1286.0	1280.3	1257.8	1253.4	1246.5
32.5°	1195.8	1197.1	1225.9	1277.8	1310.4	1348.0	1367.4	1358.0	1343.6	1336.1	1340.5
35°	1301.6	1307.3	1326.7	1369.9	1422.5	1441.3	1471.9	1451.9	1414.3	1423.7	1431.9
37.5°	1388.7	1404.9	1441.3	1492.6	1523.9	1558.3	1569.6	1542.7	1515.1	1503.9	1530.8
40°	1522.0	1517.0	1557.1	1608.4	1654.7	1689.2	1674.8	1647.9	1579.6	1580.2	1587.8
42.5°	1636.6	1639.1	1669.8	1731.1	1794.4	1815.7	1769.9	1704.2	1628.5	1620.3	1636.6
45°	1733.0	1743.0	1760.6	1842.6	1904.6	1927.7	1843.2	1765.6	1664.1	1630.3	1657.3
47.5°	1767.4	1783.7	1821.9	1897.0	1958.4	1977.2	1909.6	1798.1	1697.3	1642.2	1656.6
50°	1772.5	1766.8	1829.4	1898.3	1952.1	1992.8	1933.4	1821.9	1689.2	1660.4	1656.0
52.5°	1635.3	1662.9	1729.9	1824.4	1933.4	1998.5	1954.6	1835.1	1700.5	1667.9	1657.3
55°	1323.5	1291.0	1413.1	1572.1	1772.5	1953.4	1947.1	1841.9	1707.3	1680.4	1666.0
57.5°	738.8	748.2	817.0	989.8	1248.4	1548.9	1731.1	1769.3	1704.2	1688.6	1696.1
60°	341.8	345.0	374.4	455.2	615.4	878.4	1118.2	1361.7	1473.8	1496.3	1496.3
62.5°	254.8	253.6	261.1	275.5	309.3	403.8	539.1	732.5	886.5	994.2	1022.4
65°	230.4	229.8	233.5	238.5	241.0	254.2	284.2	343.7	393.8	422.6	417.6
67.5°	201.6	201.0	202.2	205.4	209.7	216.6	224.1	236.7	254.2	252.9	249.8
70°	162.8	162.8	164.7	167.2	172.2	180.3	189.1	197.8	212.9	216.0	215.4
72.5°	120.2	118.3	122.1	127.1	132.1	142.1	151.5	159.7	170.3	173.4	172.2
75°	76.4	77.6	80.1	85.8	94.5	101.4	111.4	118.3	125.2	127.7	128.3
77.5°	42.6	43.8	48.2	55.1	63.9	71.4	80.1	85.8	90.2	90.8	91.4
80°	25.7	26.3	30.7	36.9	44.5	52.6	59.5	65.1	68.9	67.0	66.4
82.5°	15.7	16.3	20.0	25.7	31.9	38.2	45.7	50.7	54.5	52.0	49.5
85°	8.1	8.8	11.9	15.7	20.7	23.8	23.8	21.3	20.7	19.4	18.8
87.5°	2.5	2.5	3.1	3.8	3.1	3.8	4.4	5.0	5.0	5.6	5.0
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)