

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: P526591

Luminaire Tested: **GALN-SA1C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526591
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-SA1C-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 4598 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

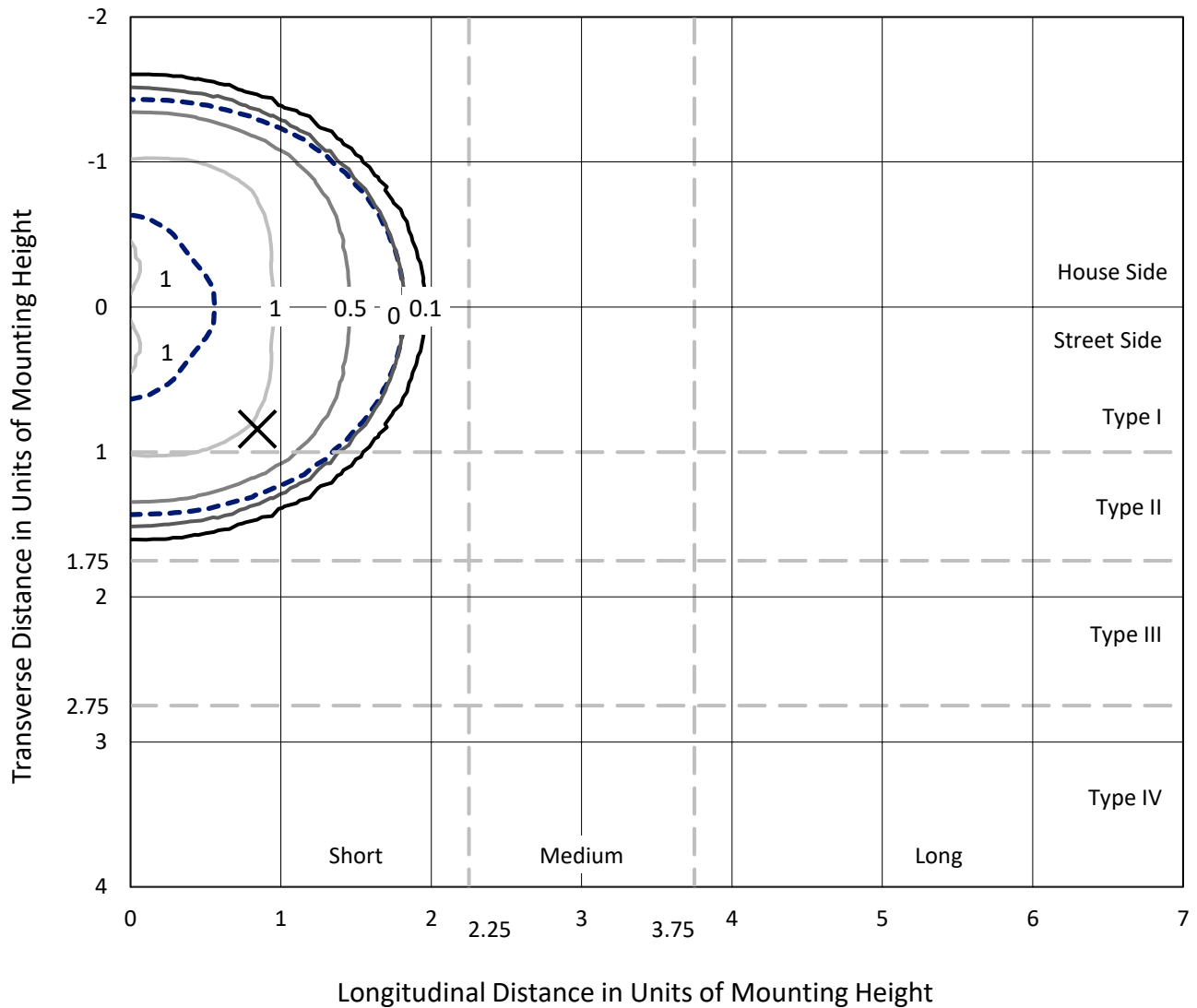
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

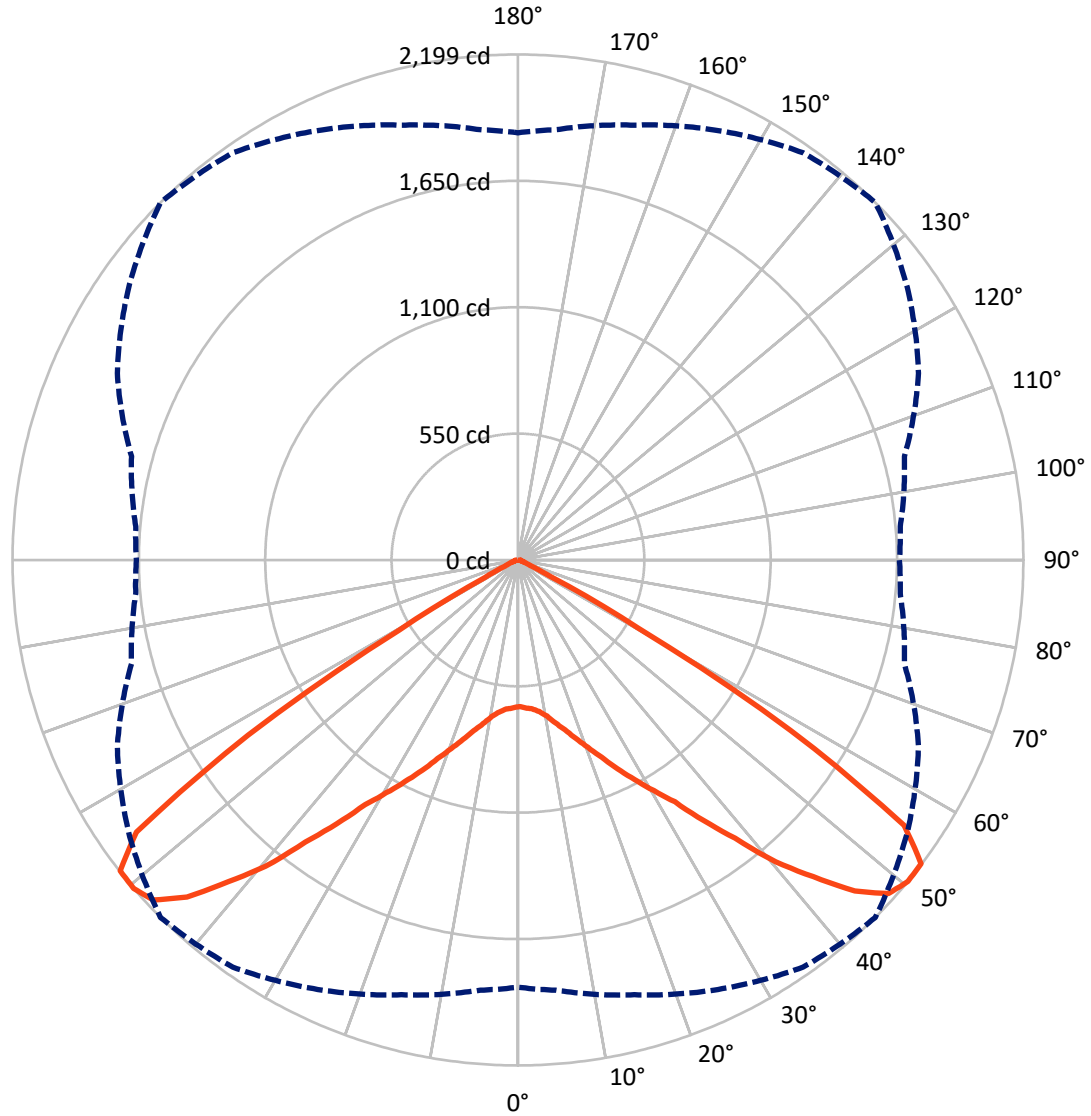
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
House Side	Lumens	2299.0	0.0	2299.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2299.0	0.0	2299.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4598.0	0.0	4598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.4
10°-20°	218.6	4.8
20°-30°	446.4	9.7
30°-40°	851.3	18.5
40°-50°	1434.6	31.2
50°-60°	1368.1	29.8
60°-70°	191.0	4.2
70°-80°	18.3	0.4
80°-90°	6.3	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°	4598.0	100.0
0°-180°	4598.0	100.0

Coefficient of Utilization



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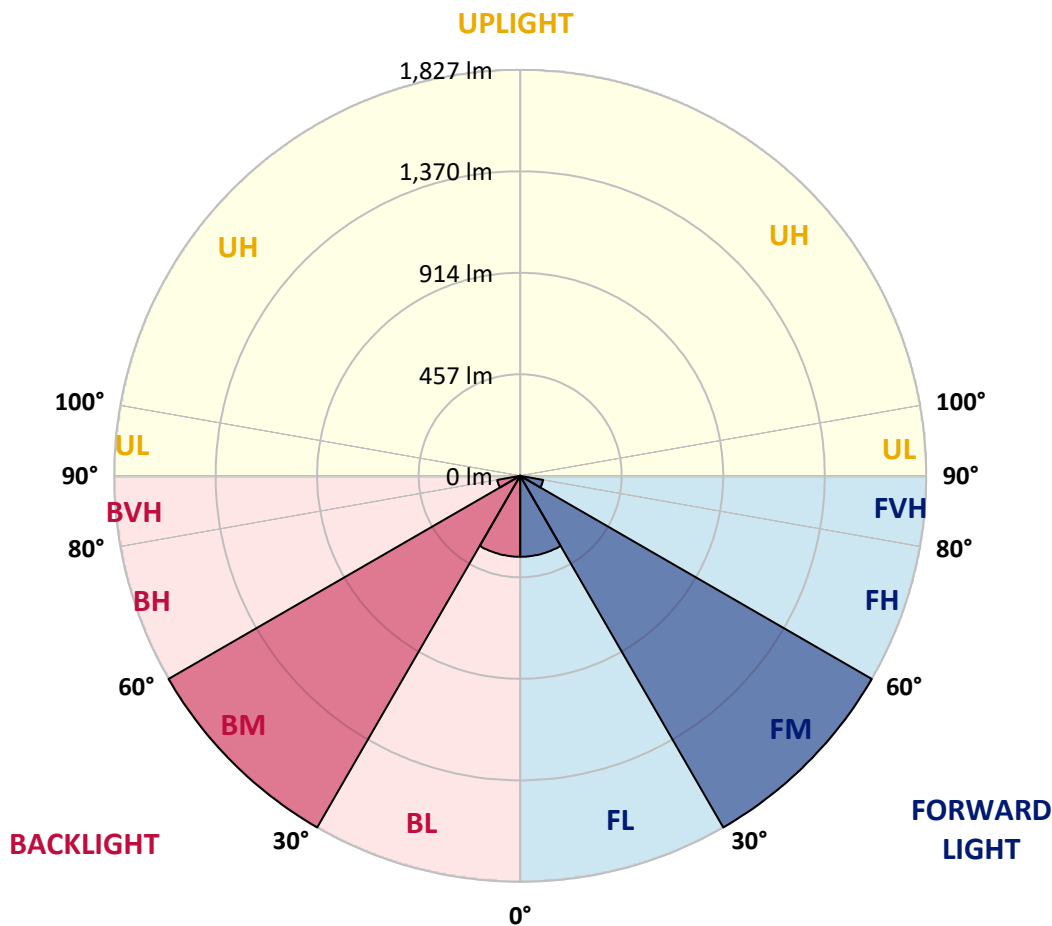
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	364.2	7.9			
FM (30°-60°)	1827.0	39.7			
FH (60°-80°)	104.6	2.3			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	364.2	7.9	B1/500		
BM (30°-60°)	1827.0	39.7	B2/2500		
BH (60°-80°)	104.6	2.3	B0/110		G0/660
BVH (80°-90°)	3.2	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°	637.5	637.5	637.5	637.5	637.5	637.5	637.5	637.5	637.5	637.5	637.5
2.5°	635.1	635.1	634.4	640.6	637.5	644.4	643.7	646.0	648.3	647.5	653.7
5°	629.7	629.0	629.0	635.9	642.9	650.6	657.6	662.2	670.0	670.0	677.7
7.5°	635.1	631.3	636.7	639.8	652.9	666.1	677.7	687.0	704.8	711.0	708.6
10°	636.7	641.3	645.2	654.5	670.7	690.8	700.9	724.1	744.2	758.1	761.2
12.5°	646.7	653.7	664.5	687.0	701.7	728.0	741.9	764.3	792.2	807.7	818.5
15°	666.1	668.4	682.3	711.0	742.7	766.7	788.3	804.6	831.6	849.4	850.2
17.5°	690.8	700.9	720.2	747.3	780.6	816.2	833.2	851.0	861.0	885.0	890.4
20°	740.4	741.9	760.5	796.1	837.8	870.3	882.7	892.0	888.1	912.9	917.5
22.5°	786.8	788.3	811.5	859.5	904.4	932.2	937.6	932.2	920.6	938.4	939.9
25°	834.0	847.9	864.9	912.9	968.6	1005.7	1006.5	991.8	967.8	970.9	978.6
27.5°	907.5	917.5	935.3	979.4	1040.5	1082.3	1075.3	1057.5	1026.6	1028.9	1026.6
30°	993.3	1002.6	1017.3	1073.8	1118.7	1164.3	1174.4	1157.3	1110.9	1100.9	1112.5
32.5°	1097.0	1110.1	1137.2	1189.1	1227.0	1254.8	1261.8	1255.6	1212.3	1208.4	1216.1
35°	1223.1	1240.9	1265.6	1311.3	1342.2	1392.5	1392.5	1371.6	1332.2	1336.8	1336.0
37.5°	1356.2	1382.5	1421.1	1467.6	1509.3	1536.4	1527.9	1510.1	1470.6	1460.6	1470.6
40°	1523.3	1536.4	1585.1	1645.5	1696.5	1727.5	1691.1	1652.5	1558.1	1572.8	1599.8
42.5°	1675.7	1696.5	1733.7	1800.2	1858.2	1883.8	1840.4	1763.9	1650.1	1638.5	1658.6
45°	1805.6	1828.1	1876.8	1972.0	2033.1	2055.5	1959.6	1835.8	1705.8	1676.4	1684.9
47.5°	1892.3	1903.9	1972.0	2062.5	2118.2	2169.2	2031.5	1885.3	1732.1	1676.4	1673.3
50°	1859.0	1879.1	1958.8	2061.7	2163.0	2199.4	2067.9	1923.2	1740.6	1669.5	1660.2
52.5°	1650.9	1685.7	1774.7	1913.2	2066.3	2196.3	2118.2	1910.8	1737.5	1676.4	1690.4
55°	1148.8	1149.6	1257.9	1462.1	1732.9	2039.3	2044.7	1924.8	1757.7	1719.8	1720.5
57.5°	461.9	485.1	567.8	772.8	1022.7	1400.3	1664.8	1785.5	1760.0	1750.7	1774.7
60°	116.8	117.6	143.1	218.2	359.7	600.3	871.9	1179.8	1358.5	1419.6	1428.1
62.5°	59.6	60.3	66.5	77.4	98.2	160.9	286.2	454.1	646.0	743.4	769.0
65°	48.7	48.7	52.6	58.0	58.8	61.9	74.3	106.0	154.0	174.8	177.2
67.5°	37.1	37.1	40.2	43.3	44.9	44.1	42.5	44.1	53.4	51.1	49.5
70°	23.2	24.0	25.5	28.6	30.2	30.9	31.7	33.3	37.9	39.5	37.9
72.5°	13.9	13.9	14.7	17.0	19.3	20.9	23.2	24.8	27.1	30.9	30.2
75°	6.2	6.2	7.7	10.1	12.4	14.7	17.0	19.3	20.9	23.2	24.0
77.5°	1.5	2.3	3.9	7.0	9.3	12.4	15.5	17.8	19.3	19.3	18.6
80°	0.8	0.8	3.1	5.4	10.1	13.2	17.0	18.6	20.9	19.3	17.0
82.5°	0.8	0.8	3.1	5.4	9.3	13.2	17.8	20.1	21.7	19.3	16.2
85°	0.0	0.8	2.3	4.6	7.7	9.3	7.7	5.4	3.1	3.1	2.3
87.5°	0.0	0.0	0.8	0.8	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)