

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: P526799

Luminaire Tested: **GALN-SA1D-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526799
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-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 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: 4712 lumens
Efficiency: N/A
Efficacy: 72.5 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

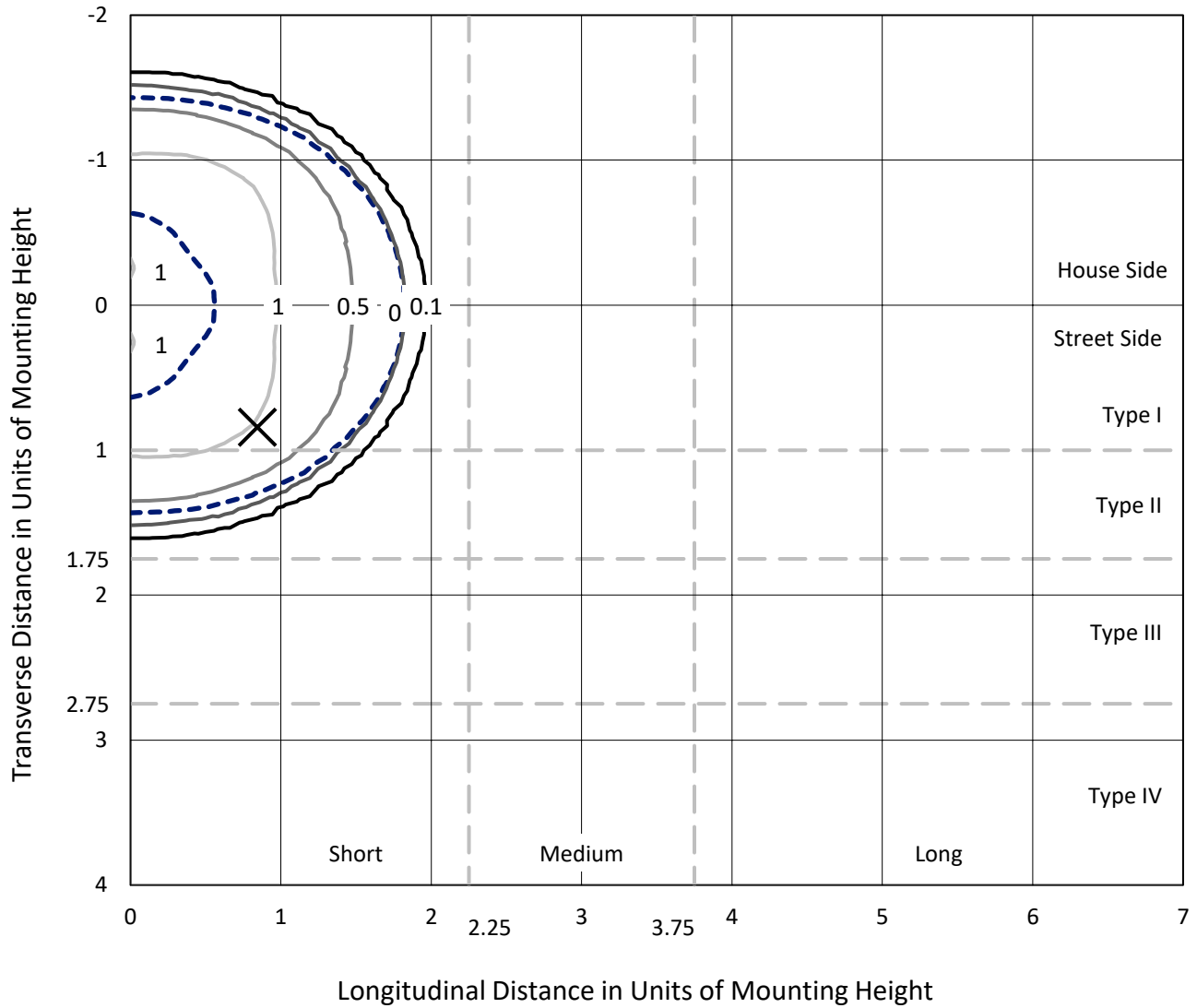
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

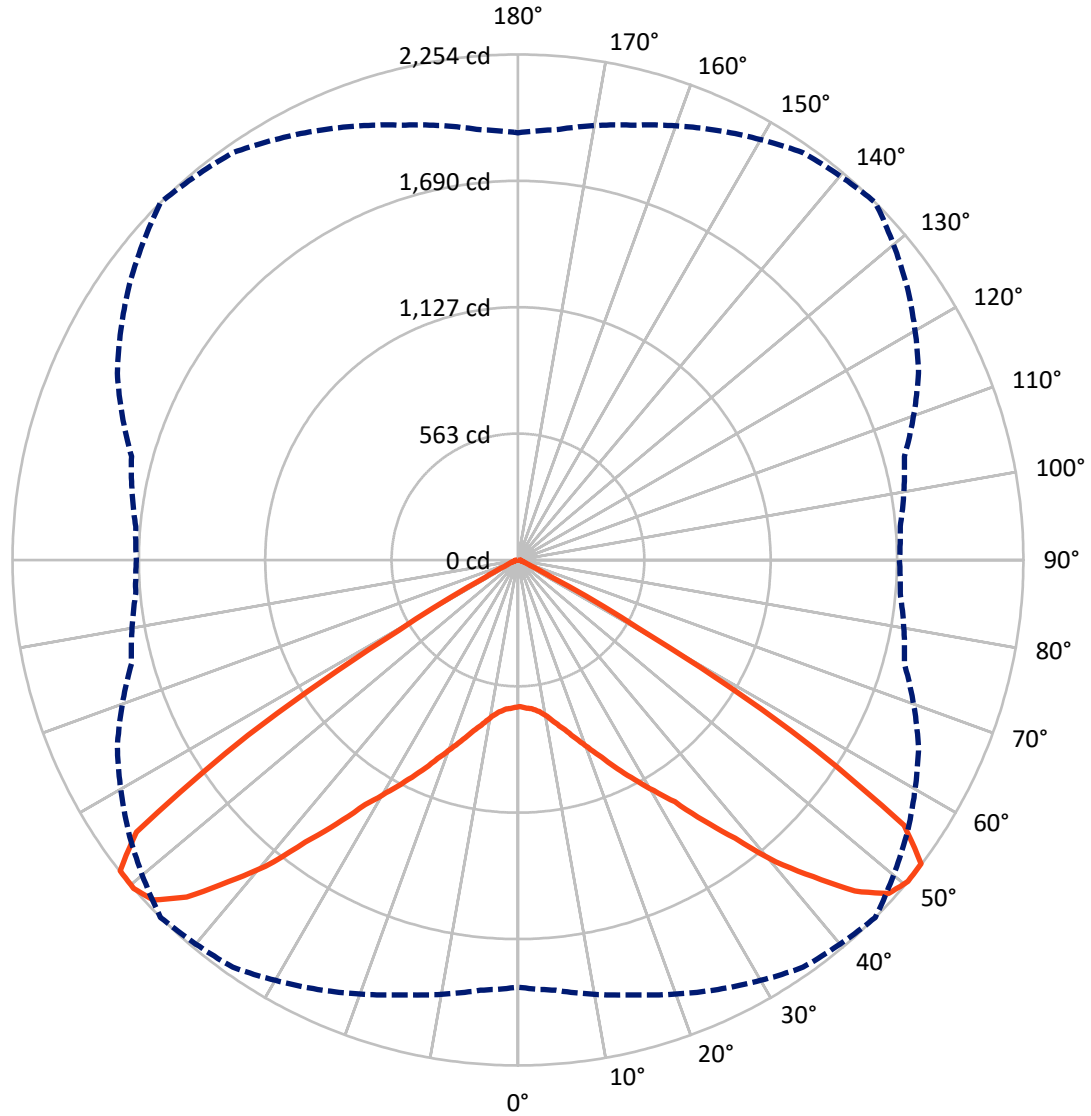
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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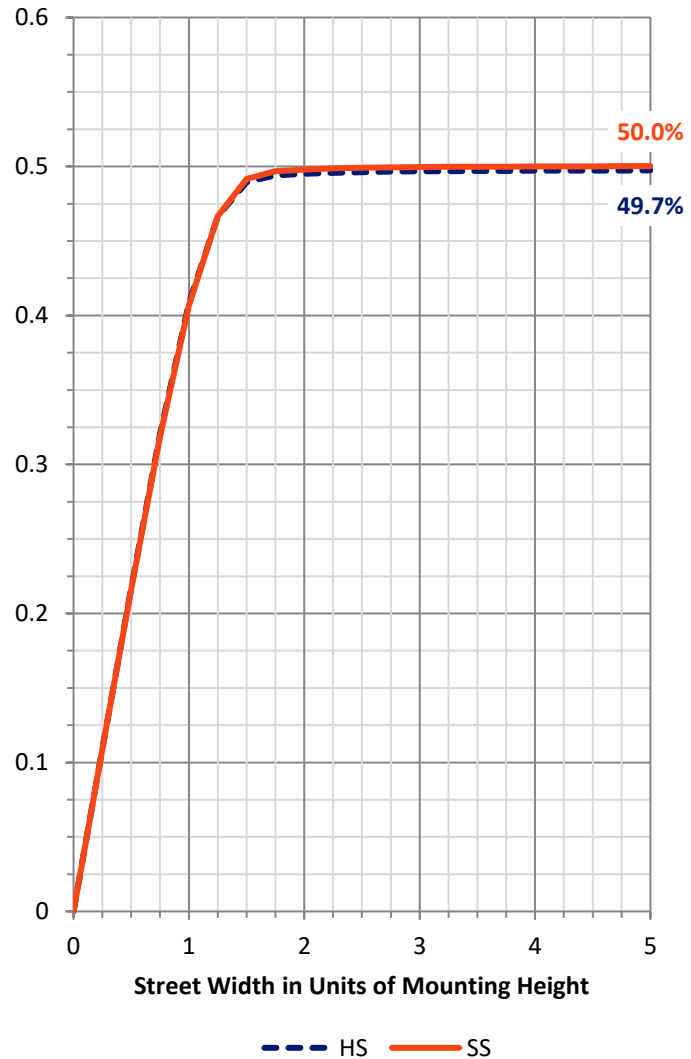
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2356.0	0.0	2356.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2356.0	0.0	2356.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4712.0	0.0	4712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.4
10°-20°	224.0	4.8
20°-30°	457.5	9.7
30°-40°	872.4	18.5
40°-50°	1470.2	31.2
50°-60°	1402.1	29.8
60°-70°	195.7	4.2
70°-80°	18.7	0.4
80°-90°	6.5	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°	4712.0	100.0
0°-180°	4712.0	100.0

Coefficient of Utilization



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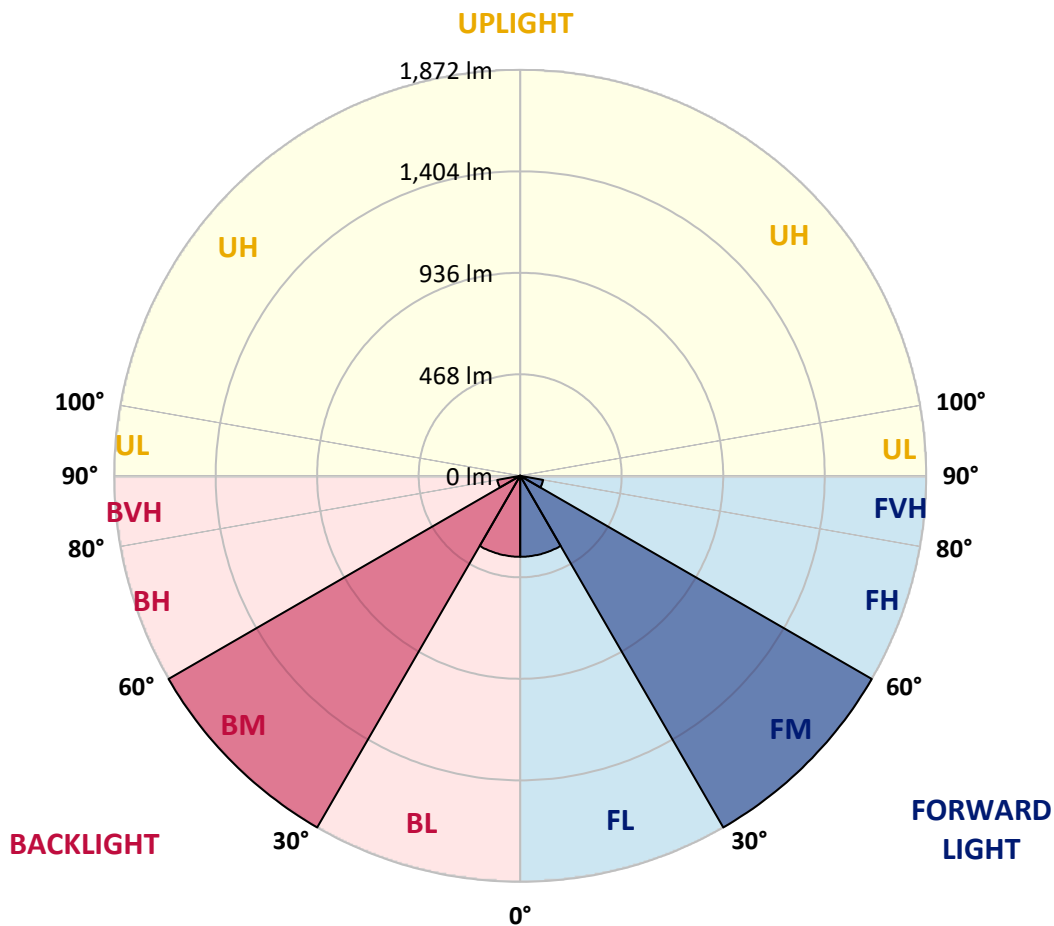
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.2	7.9			
FM (30°-60°)	1872.3	39.7			
FH (60°-80°)	107.2	2.3			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	373.2	7.9	B1/500		
BM (30°-60°)	1872.3	39.7	B2/2500		
BH (60°-80°)	107.2	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°	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
2.5°	650.9	650.9	650.1	656.4	653.3	660.4	659.6	662.0	664.4	663.6	669.9
5°	645.3	644.5	644.5	651.7	658.8	666.7	673.9	678.6	686.6	686.6	694.5
7.5°	650.9	646.9	652.5	655.6	669.1	682.6	694.5	704.0	722.2	728.6	726.2
10°	652.5	657.2	661.2	670.7	687.4	708.0	718.3	742.1	762.7	776.9	780.1
12.5°	662.8	669.9	681.0	704.0	719.1	746.0	760.3	783.3	811.8	827.7	838.8
15°	682.6	685.0	699.2	728.6	761.1	785.7	807.9	824.5	852.3	870.5	871.3
17.5°	708.0	718.3	738.1	765.8	799.9	836.4	853.8	872.1	882.4	907.0	912.5
20°	758.7	760.3	779.3	815.8	858.6	891.9	904.6	914.1	910.1	935.5	940.3
22.5°	806.3	807.9	831.6	880.8	926.8	955.3	960.9	955.3	943.4	961.7	963.3
25°	854.6	868.9	886.4	935.5	992.6	1030.6	1031.4	1016.4	991.8	995.0	1002.9
27.5°	930.0	940.3	958.5	1003.7	1066.3	1109.1	1102.0	1083.8	1052.0	1054.4	1052.0
30°	1018.0	1027.5	1042.5	1100.4	1146.4	1193.2	1203.5	1186.0	1138.5	1128.2	1140.0
32.5°	1124.2	1137.7	1165.4	1218.5	1257.4	1285.9	1293.1	1286.7	1242.3	1238.4	1246.3
35°	1253.4	1271.7	1297.0	1343.8	1375.5	1427.0	1427.0	1405.6	1365.2	1370.0	1369.2
37.5°	1389.8	1416.7	1456.4	1503.9	1546.8	1574.5	1565.8	1547.5	1507.1	1496.8	1507.1
40°	1561.0	1574.5	1624.4	1686.3	1738.6	1770.3	1733.1	1693.4	1596.7	1611.8	1639.5
42.5°	1717.2	1738.6	1776.7	1844.8	1904.3	1930.5	1886.1	1807.6	1691.0	1679.1	1699.8
45°	1850.4	1873.4	1923.3	2020.8	2083.5	2106.5	2008.2	1881.3	1748.1	1718.0	1726.7
47.5°	1939.2	1951.1	2020.8	2113.6	2170.7	2223.0	2081.9	1932.1	1775.1	1718.0	1714.8
50°	1905.1	1925.7	2007.4	2112.8	2216.7	2253.9	2119.2	1970.9	1783.8	1710.9	1701.3
52.5°	1691.8	1727.5	1818.7	1960.6	2117.6	2250.8	2170.7	1958.2	1780.6	1718.0	1732.3
55°	1177.3	1178.1	1289.1	1498.4	1775.9	2089.8	2095.4	1972.5	1801.2	1762.4	1763.2
57.5°	473.3	497.1	581.9	792.0	1048.1	1435.0	1706.1	1829.8	1803.6	1794.1	1818.7
60°	119.7	120.5	146.7	223.6	368.7	615.2	893.5	1209.0	1392.2	1454.8	1463.5
62.5°	61.0	61.8	68.2	79.3	100.7	164.9	293.3	465.4	662.0	761.9	788.0
65°	49.9	49.9	53.9	59.5	60.3	63.4	76.1	108.6	157.8	179.2	181.6
67.5°	38.1	38.1	41.2	44.4	46.0	45.2	43.6	45.2	54.7	52.3	50.7
70°	23.8	24.6	26.2	29.3	30.9	31.7	32.5	34.1	38.8	40.4	38.8
72.5°	14.3	14.3	15.1	17.4	19.8	21.4	23.8	25.4	27.7	31.7	30.9
75°	6.3	6.3	7.9	10.3	12.7	15.1	17.4	19.8	21.4	23.8	24.6
77.5°	1.6	2.4	4.0	7.1	9.5	12.7	15.9	18.2	19.8	19.8	19.0
80°	0.8	0.8	3.2	5.5	10.3	13.5	17.4	19.0	21.4	19.8	17.4
82.5°	0.8	0.8	3.2	5.5	9.5	13.5	18.2	20.6	22.2	19.8	16.6
85°	0.0	0.8	2.4	4.8	7.9	9.5	7.9	5.5	3.2	3.2	2.4
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)