

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: P647213

Luminaire Tested: **GALN-SA1D-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6323.5 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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

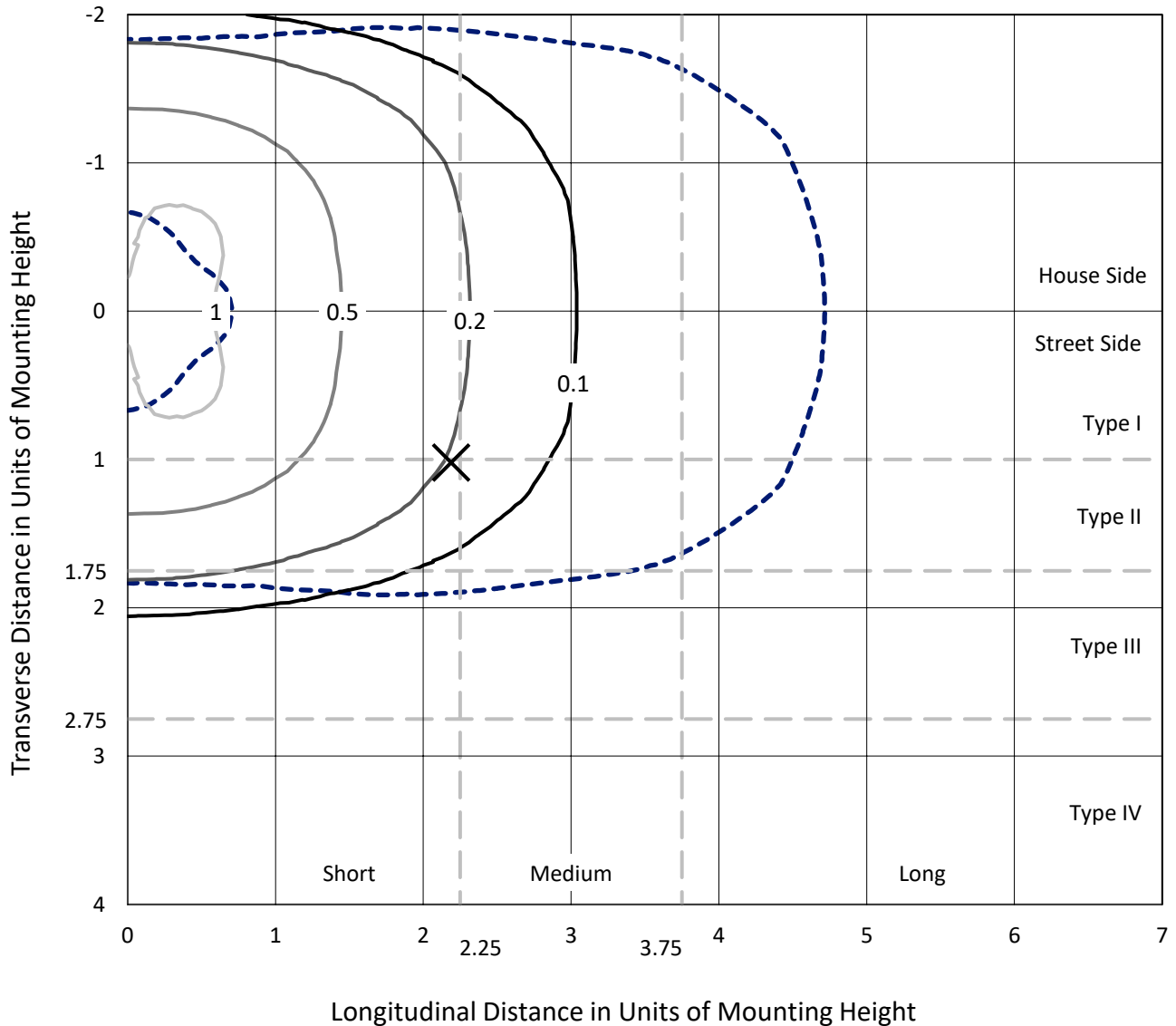




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Iso-Footcandle Lines of Horizontal Illumination

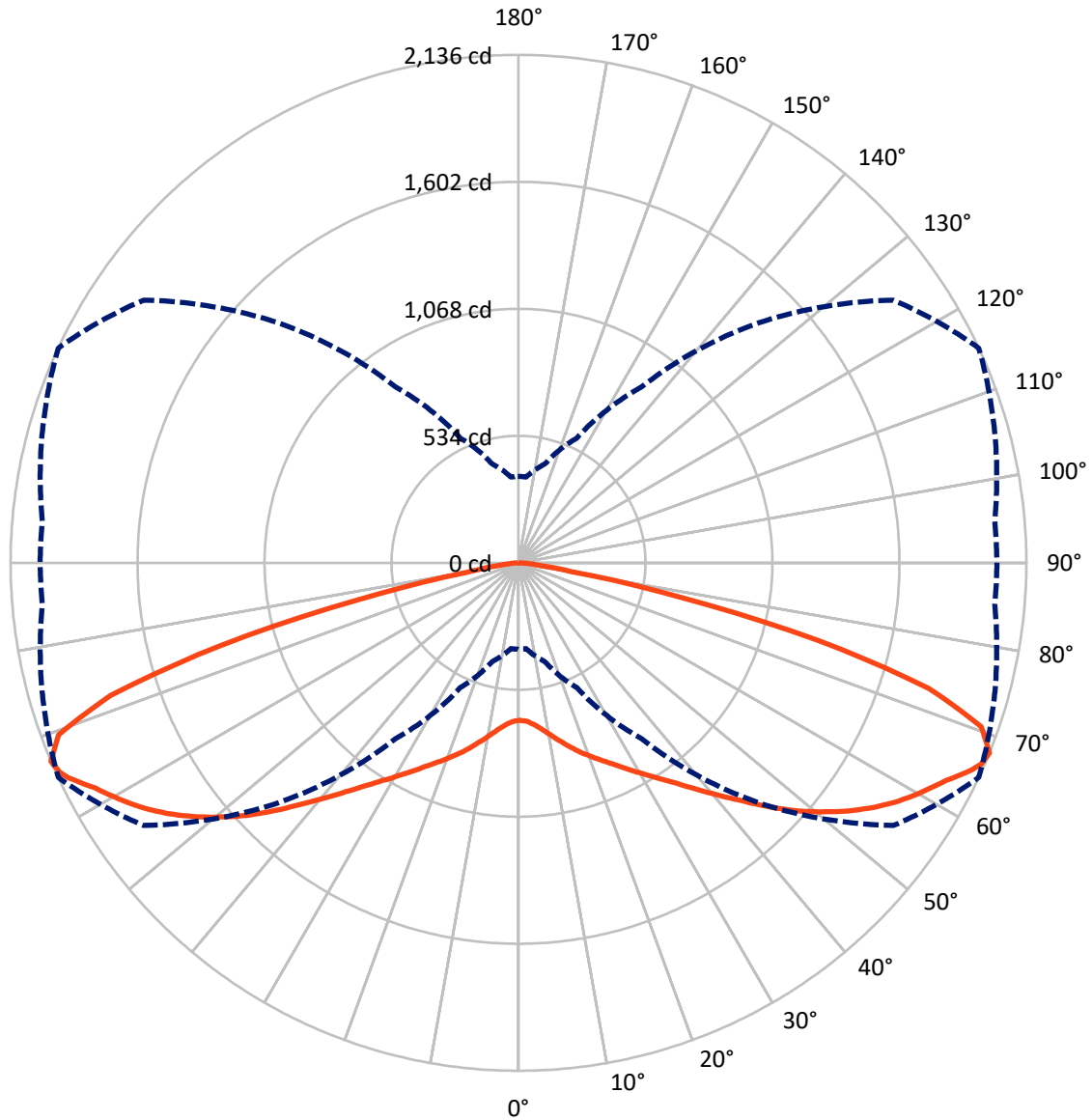
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3161.7	0.0	3161.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3161.7	0.0	3161.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6323.5	0.0	6323.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.0
10°-20°	218.6	3.5
20°-30°	427.7	6.8
30°-40°	727.4	11.5
40°-50°	1151.2	18.2
50°-60°	1526.5	24.1
60°-70°	1440.0	22.8
70°-80°	711.9	11.3
80°-90°	54.9	0.9
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°	6323.5	100.0
0°-180°	6323.5	100.0

Coefficient of Utilization



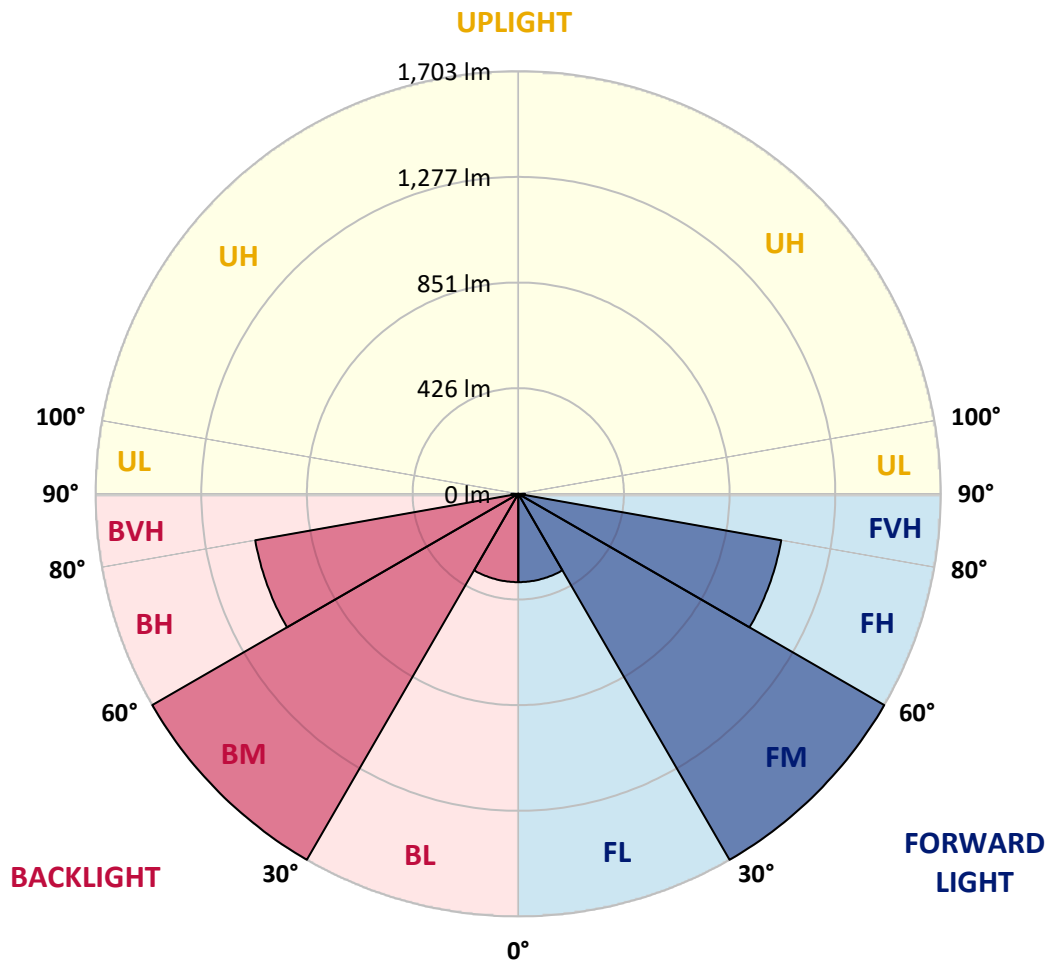
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.8	5.6			
FM (30°-60°)	1702.6	26.9			
FH (60°-80°)	1075.9	17.0			G1/1800
FVH (80°-90°)	27.4	0.4			G1/100
BL (0°-30°)	355.8	5.6	B1/500		
BM (30°-60°)	1702.6	26.9	B2/2500		
BH (60°-80°)	1075.9	17.0	B3/2500		G3/2500
BVH (80°-90°)	27.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3
2.5°	659.0	659.6	660.3	661.3	662.7	664.7	666.0	667.0	669.8	670.1	669.8
5°	656.5	657.3	659.0	662.0	666.4	672.5	677.2	683.0	687.4	690.4	689.7
7.5°	656.2	657.6	660.3	666.7	675.2	685.7	696.6	706.3	714.9	721.6	720.6
10°	661.6	663.4	667.7	677.2	690.4	705.7	720.9	735.5	747.7	756.5	759.6
12.5°	670.8	672.1	680.3	694.5	713.5	732.5	749.7	767.7	784.6	799.5	799.5
15°	686.7	689.1	699.3	719.9	743.3	765.3	782.9	801.9	820.2	837.2	842.2
17.5°	708.8	712.1	727.4	753.8	783.6	804.0	820.6	836.2	852.1	868.3	870.7
20°	738.9	742.3	762.6	794.4	829.7	854.1	865.3	869.0	876.8	892.4	894.4
22.5°	779.9	783.3	805.9	841.9	881.2	907.7	912.4	903.6	901.5	913.7	915.1
25°	826.3	829.4	855.4	894.0	934.7	963.5	962.2	940.5	928.2	935.8	937.8
27.5°	878.4	882.9	909.3	949.3	993.3	1018.8	1014.7	983.1	957.1	955.7	956.4
30°	945.2	949.9	975.1	1013.3	1056.7	1080.1	1071.6	1029.3	988.9	975.4	975.4
32.5°	1015.7	1027.5	1053.0	1092.9	1126.8	1143.7	1130.9	1080.1	1026.5	1007.6	1006.5
35°	1107.5	1114.0	1139.0	1177.9	1203.4	1216.6	1191.9	1137.3	1075.7	1053.3	1050.2
37.5°	1197.3	1202.7	1231.8	1269.1	1299.9	1299.2	1265.7	1205.4	1136.6	1111.5	1109.5
40°	1289.1	1294.8	1328.0	1362.3	1393.1	1390.4	1349.7	1282.3	1209.1	1181.0	1186.4
42.5°	1368.7	1375.1	1412.8	1461.5	1489.3	1488.6	1441.6	1365.6	1289.4	1264.4	1269.1
45°	1441.2	1447.0	1490.7	1546.6	1587.2	1592.3	1540.8	1460.5	1382.2	1350.0	1351.5
47.5°	1492.4	1503.2	1548.9	1613.0	1668.2	1686.1	1635.7	1557.1	1467.0	1433.4	1435.5
50°	1531.3	1538.1	1587.9	1660.7	1730.5	1767.8	1727.1	1646.5	1551.7	1516.0	1520.8
52.5°	1536.1	1544.2	1598.4	1682.4	1771.9	1828.5	1808.4	1734.0	1638.0	1601.5	1611.6
55°	1497.4	1502.2	1566.9	1668.9	1788.1	1873.5	1878.6	1815.2	1720.3	1692.6	1699.3
57.5°	1387.3	1399.5	1481.5	1605.5	1765.7	1897.5	1931.1	1889.1	1803.7	1776.2	1787.1
60°	1206.8	1219.0	1301.3	1458.5	1681.4	1886.4	1974.5	1954.4	1879.3	1857.3	1863.0
62.5°	945.6	944.5	1046.5	1239.3	1513.7	1831.5	2006.7	2017.5	1953.8	1926.0	1934.8
65°	612.9	615.9	714.5	922.2	1260.6	1691.9	2013.8	2097.8	2027.0	1985.0	1991.4
66°	492.9	502.1	585.8	777.2	1131.6	1600.5	1992.4	2121.5	2049.3	1998.5	2001.6
67.5°	363.9	362.1	431.0	578.6	903.6	1426.6	1925.7	2136.4	2074.7	2010.7	2012.1
70°	207.7	207.3	231.8	317.8	531.2	1004.5	1623.2	2064.9	2126.2	2054.7	2051.0
72.5°	151.7	150.7	154.2	175.5	259.2	507.1	1119.7	1804.7	2099.8	2047.6	2037.1
75°	127.4	126.7	126.1	128.7	145.3	229.7	594.2	1298.2	1822.0	1922.0	1911.1
77.5°	104.0	104.0	104.4	103.7	104.4	121.0	246.3	695.9	1109.5	1238.6	1268.8
80°	81.3	81.0	86.8	84.3	78.9	77.6	109.1	223.9	368.2	366.2	302.2
82.5°	60.0	55.9	66.1	64.4	58.3	49.5	63.7	95.5	123.0	79.9	59.3
85°	38.0	37.6	46.7	42.7	35.5	23.4	30.5	41.0	50.8	30.9	25.1
87.5°	6.8	6.4	14.9	10.8	10.8	6.8	8.5	11.2	16.6	11.5	8.5
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)