

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: P526364

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
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-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4288 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

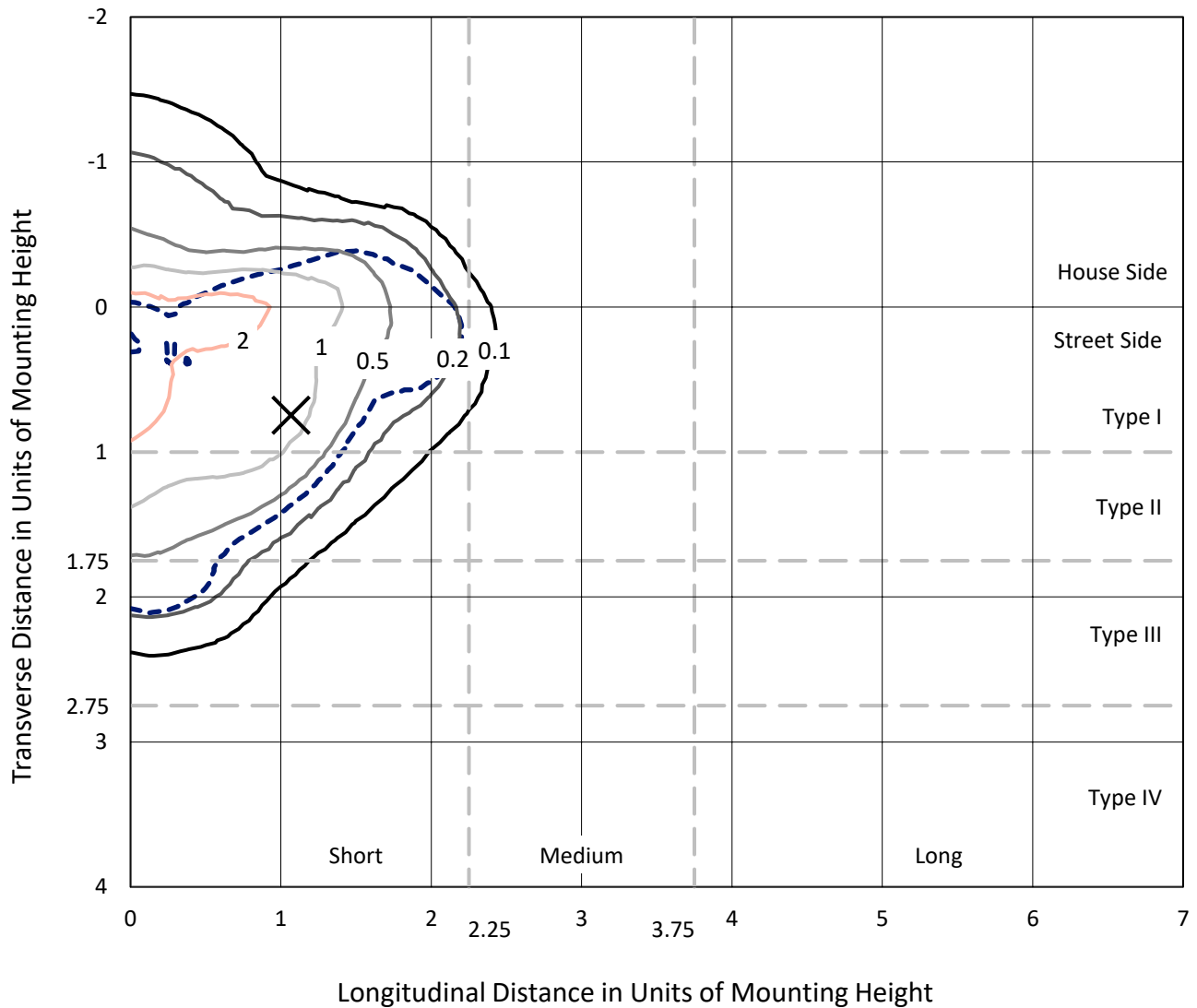
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

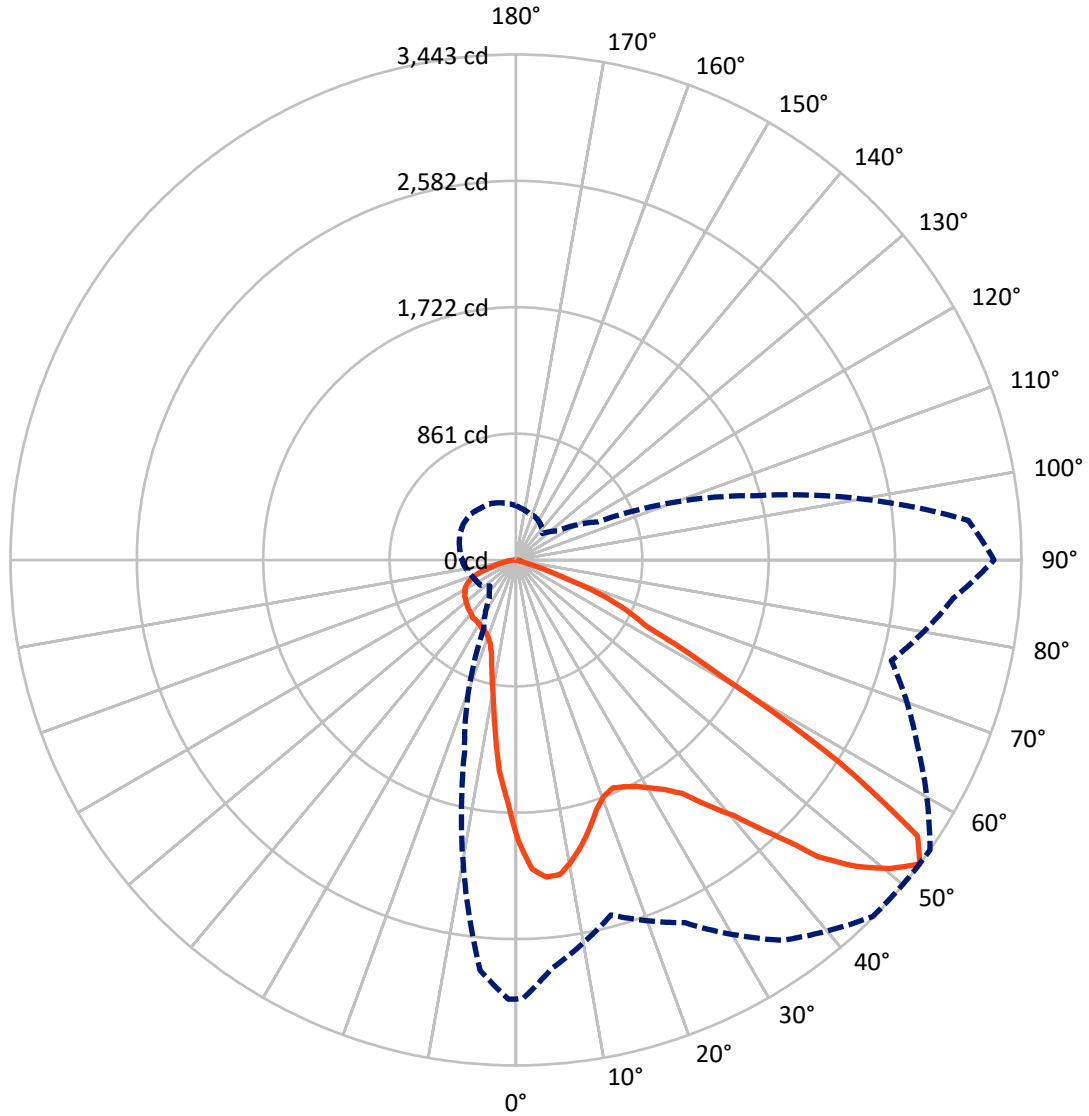
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1308.1	0.0	1308.1
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	2979.9	0.0	2979.9
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	4288.0	0.0	4288.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.1	3.4
10°-20°	315.1	7.3
20°-30°	477.8	11.1
30°-40°	690.3	16.1
40°-50°	922.4	21.5
50°-60°	1029.6	24.0
60°-70°	564.8	13.2
70°-80°	122.1	2.8
80°-90°	19.8	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°	4288.0	100.0
0°-180°	4288.0	100.0

**Coefficient of Utilization**



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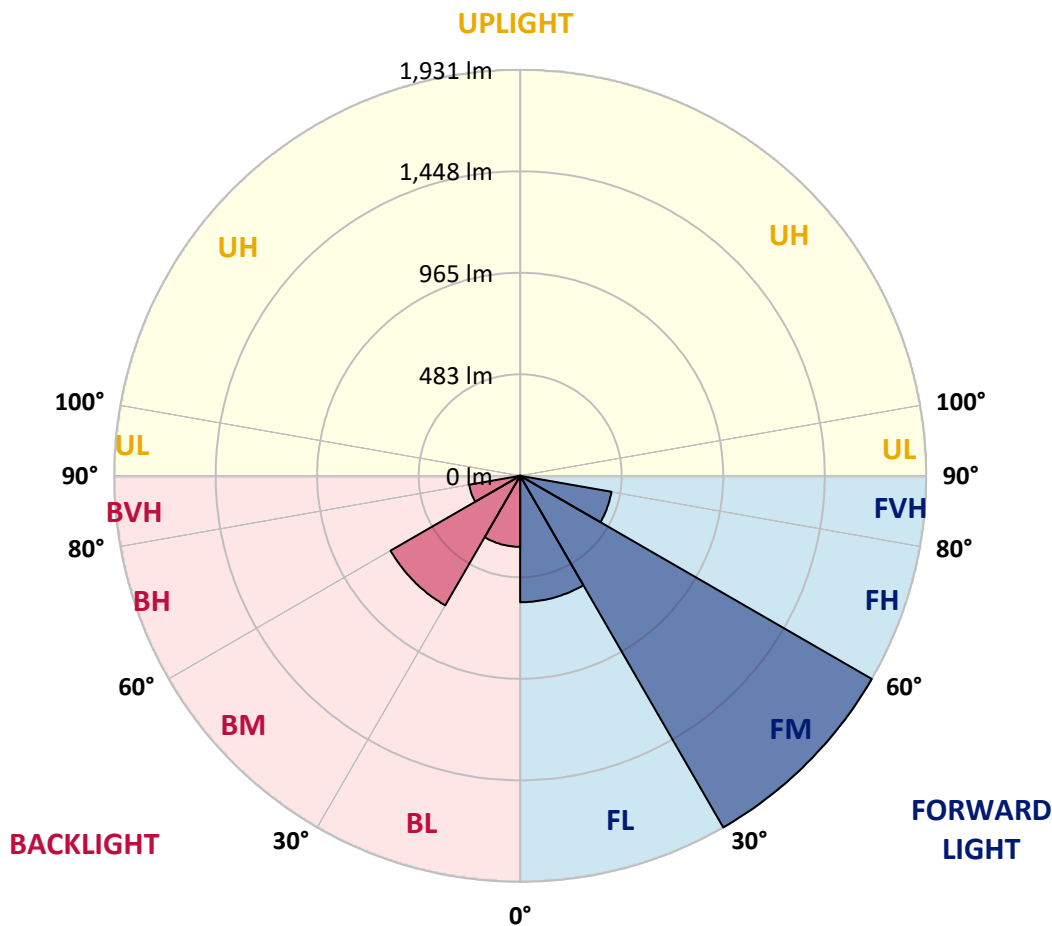
CATALOG NUMBER: GALN-SA1B-740-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.3	14.0			
FM (30°-60°)	1930.7	45.0			
FH (60°-80°)	440.7	10.3			G0/660
FVH (80°-90°)	7.3	0.2			G0/10
BL (0°-30°)	337.7	7.9	B1/500		
BM (30°-60°)	711.7	16.6	B1/1000		
BH (60°-80°)	246.2	5.7	B1/500		G1/500
BVH (80°-90°)	12.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8
2.5°	2007.3	1996.1	2006.1	2053.7	2081.2	2100.0	2111.9	2110.0	2064.9	2021.1	2021.1
5°	1948.5	1934.1	1954.7	2062.4	2170.7	2180.1	2195.8	2170.1	2103.7	2023.6	1923.4
7.5°	1778.2	1788.8	1823.2	1964.7	2105.6	2176.4	2195.2	2162.6	2054.9	1905.3	1758.1
10°	1631.0	1656.1	1735.6	1888.4	2018.0	2110.0	2130.7	2085.0	1999.8	1816.4	1684.9
12.5°	1580.3	1564.7	1652.9	1805.7	1929.7	1979.1	1988.5	1991.7	1934.1	1771.3	1611.0
15°	1574.1	1584.1	1652.9	1768.8	1845.2	1847.7	1863.3	1887.7	1895.2	1802.0	1645.4
17.5°	1664.2	1652.3	1723.1	1815.1	1778.8	1742.5	1746.2	1781.3	1843.3	1828.3	1753.7
20°	1797.6	1824.5	1880.2	1870.8	1773.2	1681.1	1681.7	1714.9	1837.0	1937.2	1904.6
22.5°	2019.2	2045.5	2086.8	1973.5	1773.2	1663.0	1641.7	1686.8	1877.1	2066.8	2074.9
25°	2221.5	2269.7	2280.9	2147.6	1862.1	1679.9	1666.1	1710.5	1917.2	2193.3	2270.3
27.5°	2405.5	2423.1	2472.5	2259.6	1911.5	1691.1	1689.9	1746.9	1967.9	2256.5	2445.0
30°	2550.8	2548.9	2577.1	2330.4	1990.4	1754.4	1693.6	1801.3	2034.2	2361.1	2606.5
32.5°	2649.7	2671.0	2730.5	2428.7	2023.6	1814.5	1766.9	1865.2	2115.0	2410.5	2720.5
35°	2823.8	2860.7	2785.6	2483.2	2128.8	1874.0	1818.2	1952.2	2155.1	2464.4	2860.1
37.5°	2987.8	2959.6	2883.3	2512.6	2197.0	1984.2	1932.2	2120.6	2279.7	2581.5	2952.8
40°	3093.0	3092.4	2956.5	2536.4	2245.2	2152.6	2149.5	2291.6	2432.5	2655.4	3056.7
42.5°	3138.7	3182.5	2986.6	2533.9	2346.7	2356.7	2419.9	2547.0	2540.8	2670.4	3054.2
44°	3201.3	3227.6	3038.5	2539.5	2414.3	2494.4	2643.5	2724.2	2635.3	2662.2	3051.1
45°	3198.8	3200.7	2964.7	2547.0	2471.9	2609.6	2743.0	2879.5	2718.6	2644.7	3092.4
47.5°	3125.6	3104.3	2902.0	2491.3	2651.6	2913.9	3037.3	3119.9	2821.3	2607.1	3041.0
50°	2980.9	2956.5	2749.9	2467.5	2689.2	3103.0	3273.3	3303.4	2914.6	2570.2	2990.3
52.5°	2990.9	2984.1	2793.1	2503.2	2726.7	3162.5	3435.5	3443.0	3020.4	2647.8	2990.9
55°	3170.0	3146.2	2917.1	2547.7	2699.2	3093.0	3332.2	3319.0	2984.7	2600.9	3046.0
57.5°	2900.8	2916.4	2745.5	2371.7	2362.3	2514.5	2619.7	2587.1	2490.7	2347.3	2833.8
60°	2340.4	2384.9	2401.1	1983.5	1782.5	1704.3	1673.0	1615.4	1631.7	1928.4	2489.4
62.5°	2007.3	2004.8	2106.9	1798.2	1167.7	1004.3	989.3	1002.4	1190.2	1898.4	2438.1
65°	1591.6	1634.2	1665.5	1524.0	924.1	745.7	745.1	828.3	1030.0	1586.6	1968.5
67.5°	1010.5	1066.3	1105.1	974.9	618.0	530.9	516.5	616.7	713.8	1040.6	1185.2
70°	569.8	596.1	613.6	562.3	393.2	275.5	259.2	283.0	431.4	673.7	702.5
72.5°	219.8	231.7	255.5	257.3	148.4	88.9	72.0	86.4	181.6	266.7	254.2
75°	33.8	36.3	51.3	61.4	42.6	32.6	34.4	35.7	50.7	68.9	57.6
77.5°	16.3	16.3	15.7	18.2	21.3	23.2	25.0	27.5	30.1	33.2	31.9
80°	10.6	10.6	10.6	12.5	15.7	18.8	21.3	22.5	23.8	26.3	25.0
82.5°	6.9	6.9	6.9	9.4	12.5	15.7	16.9	20.0	22.5	26.3	24.4
85°	3.8	3.8	3.8	6.3	9.4	13.1	12.5	10.0	5.6	0.6	1.3
87.5°	1.3	1.3	1.3	1.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8
2.5°	1968.5	1939.7	1937.2	1878.3	1825.7	1800.1	1779.4	1721.8	1734.3	1701.2	1700.5
5°	1873.3	1814.5	1719.3	1641.0	1562.8	1547.1	1478.9	1419.4	1421.3	1378.7	1386.2
7.5°	1702.4	1661.7	1545.9	1423.2	1319.2	1245.3	1180.9	1142.0	1092.6	1075.7	1066.9
10°	1594.1	1544.0	1413.8	1259.7	1143.3	1103.8	1041.9	1007.4	956.7	931.7	914.1
12.5°	1546.5	1473.2	1310.5	1153.9	1076.3	1035.6	983.0	920.4	860.3	837.1	805.2
15°	1551.5	1463.9	1280.4	1111.4	1018.1	939.2	892.2	822.7	761.4	720.7	697.5
17.5°	1627.3	1520.8	1294.2	1078.8	944.8	845.9	753.8	678.7	629.9	599.2	591.7
20°	1806.3	1661.7	1317.3	1026.2	871.6	748.2	634.9	556.6	519.0	518.4	519.0
22.5°	1955.4	1812.0	1364.3	994.9	798.3	623.0	510.3	485.2	477.7	493.4	495.3
25°	2156.3	1981.0	1445.1	978.6	730.7	530.9	461.4	452.1	451.4	471.5	472.1
27.5°	2362.3	2128.8	1493.3	931.0	661.8	483.4	432.0	430.1	440.2	461.4	459.6
30°	2502.6	2252.8	1580.3	874.1	580.4	441.4	420.1	422.6	436.4	452.7	455.2
32.5°	2666.0	2374.9	1602.9	842.8	530.3	406.3	391.3	397.0	414.5	440.2	453.9
35°	2853.2	2461.3	1637.3	800.2	511.5	379.4	371.9	378.2	399.5	416.4	431.4
37.5°	2991.6	2614.0	1643.6	767.0	490.9	364.4	352.5	373.2	385.7	409.5	417.0
40°	3094.3	2724.9	1659.8	746.3	474.6	345.0	345.0	358.8	375.7	397.6	412.6
42.5°	3160.0	2805.6	1671.7	727.5	443.3	339.4	336.2	350.0	372.5	393.8	400.7
44°	3200.1	2840.1	1659.8	710.0	434.5	332.5	332.5	344.4	361.9	386.9	395.1
45°	3210.1	2883.3	1633.5	709.4	423.9	324.3	323.1	345.6	357.5	388.2	393.2
47.5°	3248.9	2936.5	1636.7	689.4	398.2	304.9	326.8	336.8	347.5	374.4	391.3
50°	3247.7	2969.7	1629.8	659.9	379.4	283.0	319.3	330.6	341.2	368.8	375.7
52.5°	3256.4	3093.6	1693.0	613.0	345.6	254.8	294.3	319.3	332.5	355.6	370.0
55°	3252.0	3164.4	1755.6	577.9	298.0	237.9	273.0	302.4	321.2	345.6	352.5
57.5°	2970.3	2796.9	1624.8	512.2	246.7	217.9	242.9	284.9	308.7	333.7	342.5
60°	2426.8	2155.7	1339.9	376.9	202.9	200.4	226.0	279.2	289.3	311.2	326.2
62.5°	2242.7	1890.9	1062.5	288.0	173.4	183.5	208.5	252.3	268.0	294.9	308.7
65°	1755.0	1256.0	658.0	194.7	152.8	164.7	188.5	221.0	246.7	271.7	288.0
67.5°	1039.4	686.2	325.6	136.5	133.4	145.9	170.3	194.7	224.1	251.7	259.8
70°	566.0	337.5	139.0	103.9	113.3	124.6	148.4	165.3	193.5	214.8	228.5
72.5°	181.6	102.7	69.5	77.0	86.4	99.6	114.0	134.6	154.7	167.2	178.4
75°	43.8	43.2	49.5	53.8	62.6	72.6	84.5	95.2	110.8	122.7	132.7
77.5°	30.7	33.2	38.2	44.5	47.6	51.3	58.9	67.0	73.9	82.6	88.9
80°	23.8	25.7	29.4	32.6	35.7	38.8	42.6	45.7	50.1	55.7	58.9
82.5°	22.5	23.8	27.5	29.4	28.2	27.5	30.1	31.3	31.9	33.8	35.7
85°	1.9	0.0	1.3	4.4	10.6	15.7	16.9	16.9	16.3	17.5	17.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8
2.5°	1693.0	1671.7	1679.9	1689.9	1675.5	1642.3	1651.1	1647.3	1681.1	1678.6	1712.4
5°	1419.4	1386.2	1390.0	1438.8	1423.2	1440.1	1406.3	1401.9	1408.1	1411.3	1416.9
7.5°	1086.3	1081.9	1119.5	1160.8	1180.2	1160.2	1127.0	1119.5	1112.6	1098.8	1130.1
10°	886.6	887.8	885.3	916.6	938.5	934.2	914.1	911.6	898.5	893.5	911.0
12.5°	791.4	774.5	766.4	756.3	773.3	784.5	775.8	769.5	770.1	776.4	778.9
15°	699.4	688.7	671.2	659.9	668.1	662.4	659.3	671.8	668.7	667.4	682.5
17.5°	596.1	604.8	603.6	591.1	601.7	597.3	596.7	587.9	576.0	567.3	572.3
20°	527.8	544.1	556.6	557.2	562.9	562.3	552.9	525.9	517.2	515.3	516.5
22.5°	503.4	512.2	527.2	548.5	548.5	538.5	527.2	495.9	487.7	479.0	475.2
25°	484.0	500.9	520.3	522.8	532.8	523.4	505.3	489.6	472.7	460.8	460.8
27.5°	474.0	492.8	507.2	511.5	525.3	517.8	499.0	479.0	458.9	458.3	447.7
30°	469.6	487.1	496.5	507.2	513.4	501.5	495.9	474.6	454.6	449.6	432.0
32.5°	456.4	481.5	499.0	496.5	501.5	496.5	488.4	470.8	448.3	437.0	435.1
35°	441.4	466.5	485.2	498.4	501.5	490.9	485.9	462.1	431.4	425.8	406.3
37.5°	433.3	448.3	471.5	492.8	497.1	491.5	474.6	450.2	419.5	413.2	396.3
40°	423.3	442.7	460.8	478.4	491.5	477.7	458.3	434.5	420.7	402.0	397.0
42.5°	415.7	437.7	452.7	472.1	487.1	469.0	446.4	430.1	410.7	398.2	383.8
44°	413.2	433.3	443.3	467.1	479.6	465.8	447.0	430.1	407.6	396.3	383.8
45°	404.5	432.0	442.7	464.0	474.6	463.3	439.5	422.6	406.3	392.6	379.4
47.5°	395.7	414.5	432.6	449.6	457.1	453.3	433.3	412.6	393.2	385.1	372.5
50°	393.2	412.0	428.9	444.5	453.3	445.8	427.6	407.6	385.1	371.9	361.3
52.5°	380.7	403.8	422.6	427.6	438.9	434.5	420.7	398.8	377.5	366.3	357.5
55°	362.5	386.9	412.6	418.9	435.1	428.3	407.6	386.9	368.8	351.9	340.6
57.5°	355.6	379.4	404.5	412.6	422.6	411.4	406.3	384.4	355.6	346.9	329.3
60°	338.1	368.2	388.8	407.6	408.2	405.1	396.3	371.3	347.5	331.2	318.7
62.5°	324.3	352.5	368.8	386.3	397.0	388.2	379.4	356.3	330.6	312.4	298.0
65°	304.3	330.0	343.7	354.4	366.3	365.0	350.0	333.1	306.2	291.8	278.0
67.5°	273.6	296.2	314.9	325.0	332.5	330.6	319.3	307.4	279.9	265.5	255.5
70°	236.7	259.8	271.7	277.4	284.9	288.6	279.9	274.2	249.8	231.0	221.6
72.5°	190.3	205.4	222.9	227.9	231.0	233.5	233.5	228.5	203.5	196.0	179.7
75°	140.2	152.1	165.3	165.3	170.9	171.6	172.8	169.7	150.9	140.9	137.1
77.5°	95.2	103.9	114.6	119.0	122.7	122.1	121.5	112.7	102.7	98.3	94.5
80°	62.0	70.8	75.8	81.4	85.2	84.5	85.8	79.5	75.1	67.6	68.9
82.5°	36.9	43.8	48.8	55.7	55.7	57.6	57.6	55.7	51.3	47.6	47.6
85°	17.5	23.2	26.3	30.7	33.2	33.8	30.1	25.7	21.3	19.4	21.3
87.5°	3.1	4.4	6.3	5.6	6.9	6.3	6.3	6.3	6.3	5.0	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA1B-740-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8	1912.8
2.5°	1699.9	1731.2	1753.1	1789.4	1852.0	1902.1	1953.5	1991.7	1996.1	2007.3
5°	1437.6	1454.5	1510.2	1582.8	1634.2	1718.7	1773.2	1872.1	1909.0	1948.5
7.5°	1122.6	1150.2	1224.7	1273.5	1386.2	1492.0	1601.6	1723.7	1772.5	1778.2
10°	946.7	986.8	1037.5	1115.7	1177.1	1294.8	1431.3	1567.2	1621.6	1631.0
12.5°	831.5	882.8	950.4	1006.8	1065.6	1168.3	1299.2	1467.0	1537.7	1580.3
15°	720.7	773.9	848.4	926.6	978.6	1101.3	1255.4	1444.4	1536.5	1574.1
17.5°	606.7	656.2	717.5	802.1	906.6	1044.4	1248.5	1519.6	1620.4	1664.2
20°	509.0	536.6	608.0	695.0	825.8	986.1	1251.0	1630.4	1778.2	1797.6
22.5°	470.8	477.1	505.3	585.4	728.8	926.6	1295.4	1787.6	1955.4	2019.2
25°	441.4	440.2	447.7	501.5	658.0	903.5	1339.3	1932.2	2152.0	2221.5
27.5°	425.1	412.6	413.2	464.0	608.0	865.9	1395.6	2098.1	2374.9	2405.5
30°	417.0	414.5	407.0	427.6	553.5	809.6	1405.0	2261.5	2506.3	2550.8
32.5°	412.0	387.6	378.2	385.7	502.1	748.2	1440.1	2369.2	2669.1	2649.7
35°	386.9	365.0	358.8	366.3	465.8	713.8	1416.9	2463.1	2791.2	2823.8
37.5°	377.5	358.1	345.6	339.4	432.0	685.0	1405.0	2607.8	2909.6	2987.8
40°	368.8	348.1	333.1	326.8	405.7	646.8	1401.2	2719.2	3046.0	3093.0
42.5°	358.8	345.6	328.7	317.4	373.8	608.6	1358.0	2753.7	3088.0	3138.7
44°	355.6	335.6	318.1	314.3	361.3	589.2	1349.3	2785.0	3124.3	3201.3
45°	352.5	333.7	313.7	308.7	356.9	578.5	1337.4	2792.5	3184.4	3198.8
47.5°	343.7	331.8	312.4	298.7	347.5	555.4	1301.7	2749.9	3123.1	3125.6
50°	336.8	323.1	303.0	276.1	335.0	536.0	1318.0	2734.2	2975.3	2980.9
52.5°	329.3	308.7	297.4	251.1	314.3	519.7	1352.4	2805.0	2992.2	2990.9
55°	320.6	298.0	270.5	229.8	279.9	499.0	1435.7	2944.6	3148.7	3170.0
57.5°	306.8	287.4	247.9	211.0	240.4	459.6	1408.8	2677.3	2897.0	2900.8
60°	288.6	270.5	224.8	196.6	197.2	362.5	1259.7	2086.2	2285.9	2340.4
62.5°	271.1	261.1	205.4	175.9	167.8	288.6	1065.0	1733.7	1962.2	2007.3
65°	250.4	226.0	188.5	160.3	144.0	202.2	754.5	1295.4	1530.8	1591.6
67.5°	224.1	197.9	165.9	140.9	123.3	135.2	389.4	736.3	974.9	1010.5
70°	196.0	171.6	139.6	119.0	99.6	93.3	171.6	351.3	532.8	569.8
72.5°	160.9	138.4	111.4	93.9	74.5	64.5	57.6	93.9	189.1	219.8
75°	116.5	100.8	83.9	67.0	52.6	41.3	33.8	28.2	31.3	33.8
77.5°	85.8	73.3	62.0	47.6	36.9	29.4	23.2	17.5	16.9	16.3
80°	67.0	59.5	49.5	38.2	28.8	21.9	16.3	11.9	10.6	10.6
82.5°	52.6	48.8	40.7	31.3	23.8	17.5	11.9	8.1	6.9	6.9
85°	20.0	20.0	29.4	25.7	18.2	12.5	8.1	4.4	3.8	3.8
87.5°	5.0	5.0	5.0	5.0	4.4	3.8	3.8	1.9	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)