

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: P528678

Luminaire Tested: **GALN-SA3D-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528678  
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-SA3D-735-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH 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: 16022 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

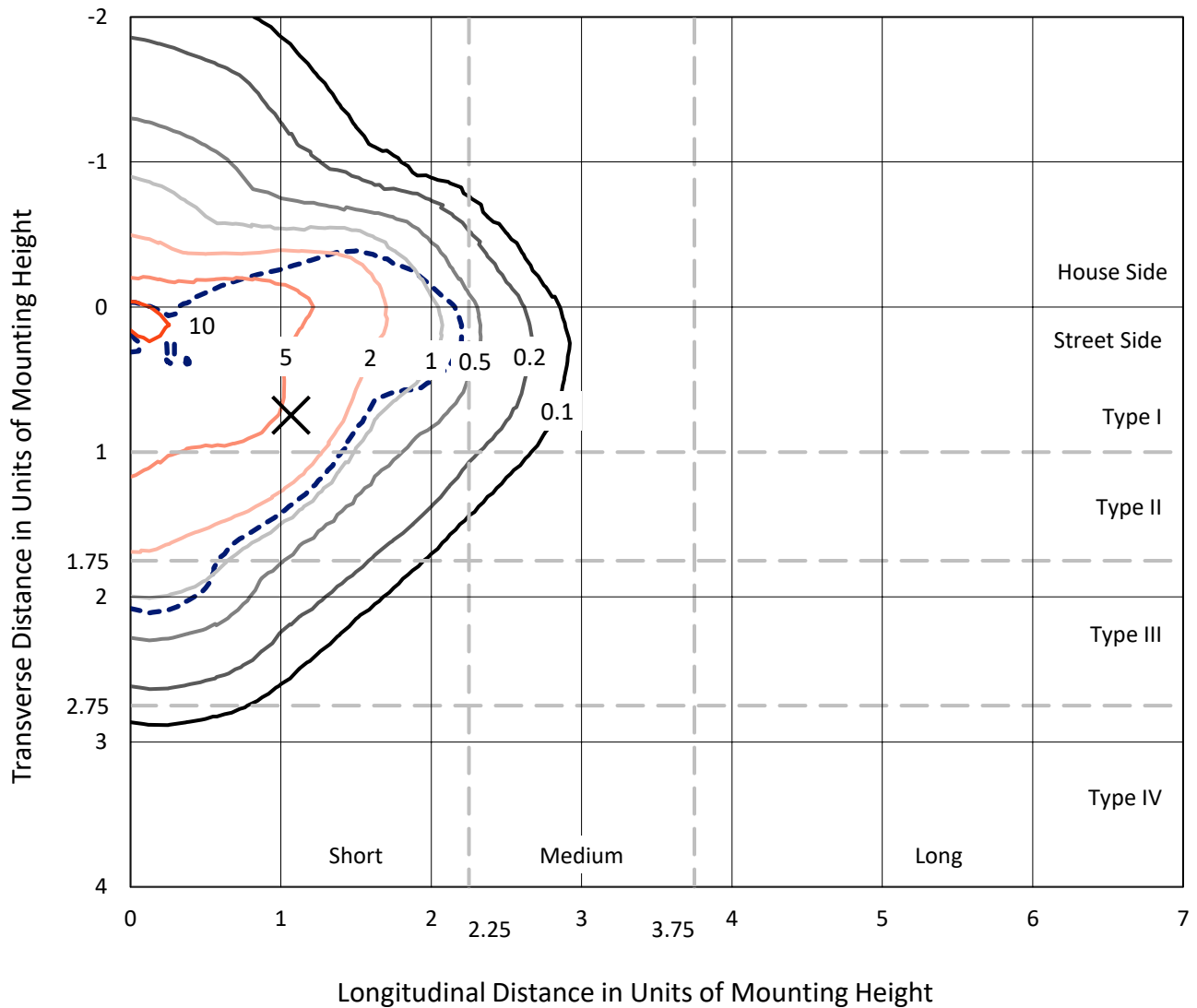
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

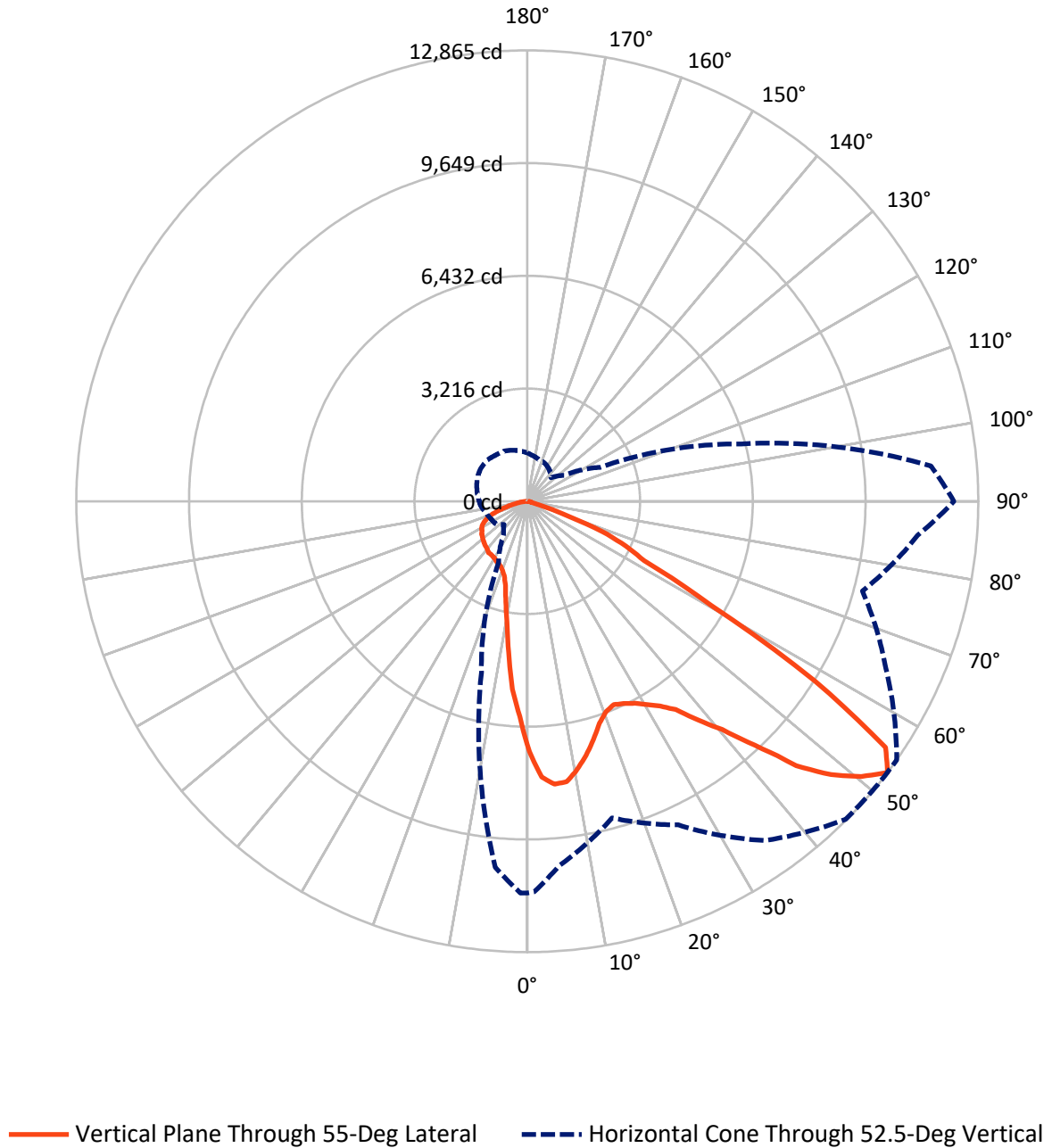
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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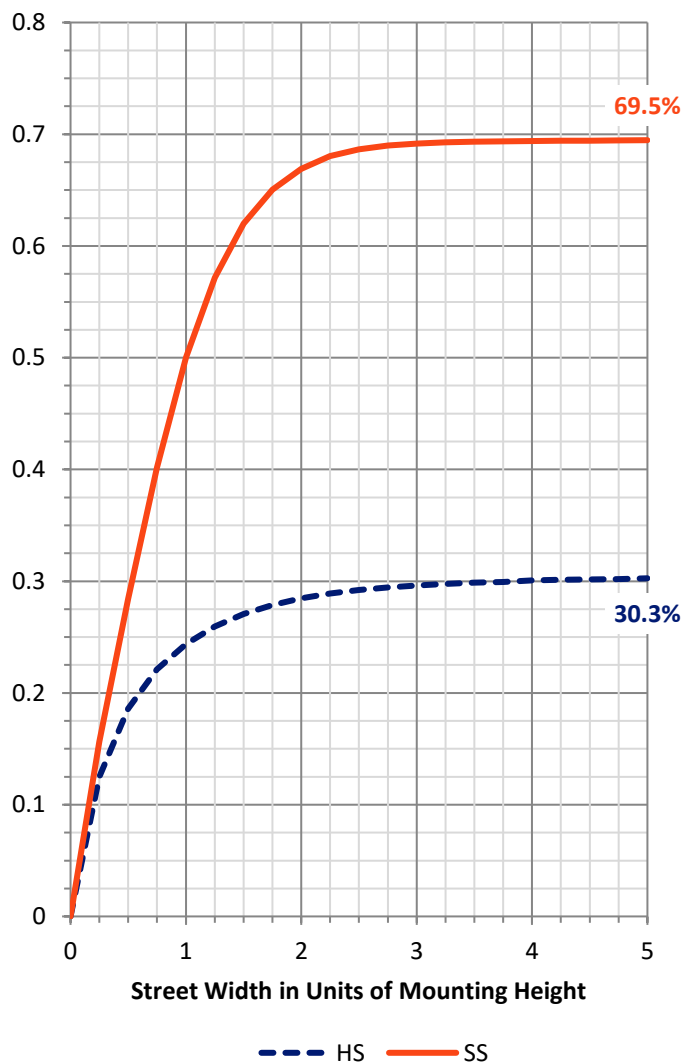
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4887.6	0.0	4887.6
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	11134.4	0.0	11134.4
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	16022.0	0.0	16022.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.0	3.4
10°-20°	1177.3	7.3
20°-30°	1785.2	11.1
30°-40°	2579.3	16.1
40°-50°	3446.6	21.5
50°-60°	3847.2	24.0
60°-70°	2110.4	13.2
70°-80°	456.3	2.8
80°-90°	73.8	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°	16022.0	100.0
0°-180°	16022.0	100.0

**Coefficient of Utilization**



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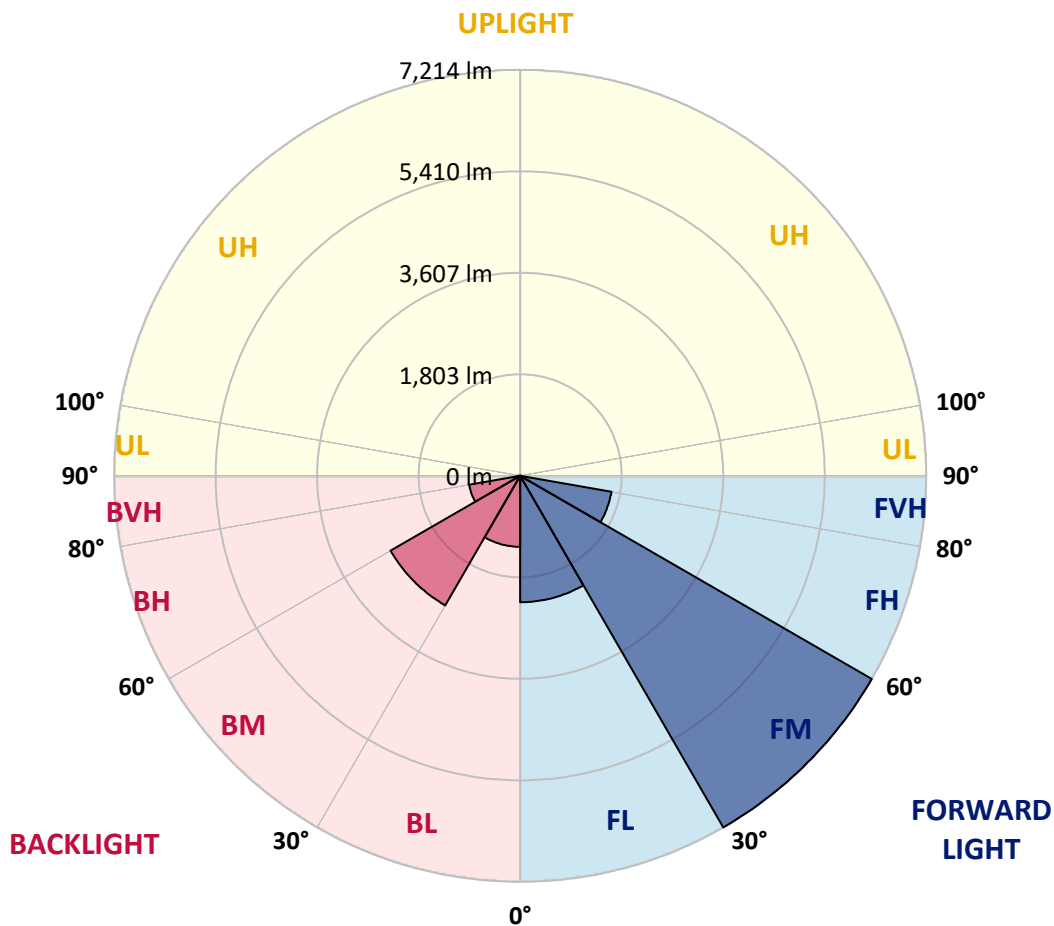
CATALOG NUMBER: GALN-SA3D-735-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2246.6	14.0			
FM (30°-60°)	7213.9	45.0			
FH (60°-80°)	1646.7	10.3			G1/1800
FVH (80°-90°)	27.3	0.2			G1/100
BL (0°-30°)	1261.9	7.9	B3/2500		
BM (30°-60°)	2659.2	16.6	B3/5000		
BH (60°-80°)	920.0	5.7	B2/1000		G2/1000
BVH (80°-90°)	46.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1
2.5°	7500.3	7458.2	7495.6	7673.4	7776.4	7846.6	7891.0	7884.0	7715.5	7551.8	7551.8
5°	7280.4	7226.6	7303.8	7706.2	8110.9	8146.0	8204.5	8108.6	7860.6	7561.1	7186.8
7.5°	6644.1	6683.8	6812.5	7341.2	7867.6	8132.0	8202.1	8080.5	7678.1	7119.0	6569.2
10°	6094.3	6187.9	6485.0	7055.8	7540.1	7884.0	7961.2	7790.4	7472.2	6786.8	6295.5
12.5°	5904.8	5846.3	6176.2	6747.0	7210.2	7395.0	7430.1	7441.8	7226.6	6618.3	6019.4
15°	5881.4	5918.8	6176.2	6609.0	6894.4	6903.7	6962.2	7053.5	7081.5	6733.0	6148.1
17.5°	6218.3	6173.8	6438.2	6782.1	6646.4	6510.7	6524.8	6655.8	6887.4	6831.2	6552.8
20°	6716.6	6817.2	7025.4	6990.3	6625.4	6281.5	6283.8	6407.8	6864.0	7238.3	7116.6
22.5°	7544.8	7643.0	7797.4	7374.0	6625.4	6213.6	6134.1	6302.5	7013.7	7722.6	7753.0
25°	8300.4	8480.5	8522.7	8024.3	6957.6	6276.8	6225.3	6391.4	7163.4	8195.1	8482.9
27.5°	8988.2	9053.7	9238.5	8443.1	7142.4	6318.9	6314.2	6527.1	7352.9	8431.4	9135.6
30°	9531.0	9523.9	9629.2	8707.5	7437.1	6555.2	6328.2	6730.6	7600.9	8822.1	9739.2
32.5°	9900.6	9980.1	10202.4	9074.8	7561.1	6779.8	6602.0	6969.3	7902.7	9006.9	10165.0
35°	10551.0	10689.0	10408.3	9278.3	7954.2	7002.0	6793.8	7294.4	8052.4	9208.1	10686.7
37.5°	11163.9	11058.6	10773.2	9388.3	8209.2	7413.7	7219.6	7923.8	8518.0	9645.6	11032.9
40°	11556.9	11554.6	11046.9	9477.2	8389.3	8043.1	8031.4	8562.4	9088.8	9921.7	11421.2
42.5°	11727.7	11891.5	11159.2	9467.8	8768.3	8805.7	9042.0	9516.9	9493.5	9977.8	11411.9
44°	11961.7	12059.9	11353.4	9488.9	9021.0	9320.4	9877.2	10179.0	9846.8	9947.4	11400.2
45°	11952.3	11959.3	11077.3	9516.9	9236.2	9750.9	10249.2	10759.2	10157.9	9881.9	11554.6
47.5°	11678.6	11599.0	10843.4	9308.7	9907.6	10887.8	11348.7	11657.5	10541.6	9741.5	11362.8
50°	11138.2	11046.9	10274.9	9219.8	10048.0	11594.4	12230.7	12343.0	10890.2	9603.5	11173.3
52.5°	11175.6	11149.9	10436.3	9353.2	10188.3	11816.6	12836.6	12864.7	11285.6	9893.6	11175.6
55°	11844.7	11755.8	10899.5	9519.3	10085.4	11556.9	12450.6	12401.5	11152.2	9718.1	11381.5
57.5°	10838.7	10897.2	10258.5	8861.9	8826.8	9395.3	9788.3	9666.7	9306.4	8770.6	10588.4
60°	8744.9	8911.0	8971.8	7411.4	6660.4	6368.0	6251.0	6035.8	6096.6	7205.5	9301.7
62.5°	7500.3	7491.0	7872.3	6718.9	4363.1	3752.5	3696.3	3745.5	4447.3	7093.2	9109.9
65°	5946.9	6106.0	6223.0	5694.2	3453.0	2786.3	2784.0	3095.1	3848.4	5928.2	7355.3
67.5°	3775.9	3984.1	4129.1	3642.5	2309.0	1983.9	1930.1	2304.4	2667.0	3888.2	4428.6
70°	2128.9	2227.2	2292.7	2100.8	1469.2	1029.4	968.5	1057.4	1611.9	2517.3	2624.9
72.5°	821.2	865.6	954.5	961.5	554.5	332.2	269.0	322.8	678.4	996.6	949.8
75°	126.3	135.7	191.8	229.3	159.1	121.7	128.7	133.3	189.5	257.3	215.2
77.5°	60.8	60.8	58.5	67.8	79.5	86.6	93.6	102.9	112.3	124.0	119.3
80°	39.8	39.8	39.8	46.8	58.5	70.2	79.5	84.2	88.9	98.3	93.6
82.5°	25.7	25.7	25.7	35.1	46.8	58.5	63.2	74.9	84.2	98.3	91.2
85°	14.0	14.0	14.0	23.4	35.1	49.1	46.8	37.4	21.1	2.3	4.7
87.5°	4.7	4.7	4.7	4.7	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°	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1
2.5°	7355.3	7247.6	7238.3	7018.4	6821.9	6725.9	6648.7	6433.5	6480.3	6356.3	6354.0
5°	6999.7	6779.8	6424.2	6131.7	5839.3	5780.8	5525.8	5303.6	5310.6	5151.5	5179.6
7.5°	6361.0	6208.9	5776.1	5317.6	4929.2	4653.2	4412.2	4267.2	4082.4	4019.2	3986.4
10°	5956.3	5769.1	5282.5	4707.0	4271.9	4124.5	3892.9	3764.2	3574.7	3481.1	3415.6
12.5°	5778.5	5504.8	4896.5	4311.6	4021.5	3869.5	3673.0	3439.0	3214.4	3127.9	3008.5
15°	5797.2	5469.7	4784.2	4152.5	3804.0	3509.2	3333.7	3074.1	2844.8	2692.7	2606.2
17.5°	6080.3	5682.5	4835.7	4030.9	3530.2	3160.6	2816.7	2536.0	2353.5	2238.9	2210.8
20°	6749.3	6208.9	4922.2	3834.4	3256.5	2795.7	2372.2	2079.8	1939.4	1937.1	1939.4
22.5°	7306.1	6770.4	5097.7	3717.4	2982.8	2327.8	1906.7	1813.1	1785.0	1843.5	1850.5
25°	8057.1	7402.1	5399.5	3656.6	2730.2	1983.9	1724.2	1689.1	1686.8	1761.6	1764.0
27.5°	8826.8	7954.2	5579.6	3478.8	2472.8	1806.1	1614.2	1607.2	1644.6	1724.2	1717.2
30°	9350.8	8417.4	5904.8	3265.9	2168.7	1649.3	1569.8	1579.1	1630.6	1691.4	1700.8
32.5°	9961.4	8873.6	5989.0	3148.9	1981.5	1518.3	1462.2	1483.2	1548.7	1644.6	1696.1
35°	10660.9	9196.4	6117.7	2989.8	1911.3	1417.7	1389.6	1413.0	1492.6	1555.7	1611.9
37.5°	11177.9	9767.2	6141.1	2865.8	1834.1	1361.6	1317.1	1394.3	1441.1	1530.0	1558.1
40°	11561.6	10181.3	6201.9	2788.6	1773.3	1289.0	1289.0	1340.5	1403.7	1485.6	1541.7
42.5°	11807.3	10483.1	6246.4	2718.5	1656.3	1268.0	1256.3	1307.8	1392.0	1471.5	1497.3
44°	11957.0	10611.8	6201.9	2652.9	1623.6	1242.3	1242.3	1286.7	1352.2	1445.8	1476.2
45°	11994.4	10773.2	6103.7	2650.6	1583.8	1211.8	1207.2	1291.4	1335.8	1450.5	1469.2
47.5°	12139.5	10972.1	6115.3	2575.7	1487.9	1139.3	1221.2	1258.6	1298.4	1399.0	1462.2
50°	12134.8	11096.1	6089.6	2465.8	1417.7	1057.4	1193.1	1235.2	1275.0	1377.9	1403.7
52.5°	12167.5	11559.3	6325.9	2290.3	1291.4	952.2	1099.5	1193.1	1242.3	1328.8	1382.6
55°	12151.2	11823.6	6559.8	2159.3	1113.6	889.0	1020.0	1130.0	1200.1	1291.4	1317.1
57.5°	11098.4	10450.4	6070.9	1913.7	921.7	814.1	907.7	1064.5	1153.4	1246.9	1279.7
60°	9067.7	8054.8	5006.4	1408.4	758.0	748.6	844.5	1043.4	1080.8	1162.7	1218.9
62.5°	8379.9	7065.2	3970.1	1076.2	648.0	685.5	779.0	942.8	1001.3	1101.9	1153.4
65°	6557.5	4693.0	2458.8	727.6	570.8	615.3	704.2	825.8	921.7	1015.3	1076.2
67.5°	3883.5	2564.0	1216.5	510.0	498.3	545.1	636.3	727.6	837.5	940.5	970.9
70°	2114.9	1261.0	519.4	388.4	423.4	465.6	554.5	617.6	722.9	802.4	853.9
72.5°	678.4	383.7	259.7	287.8	322.8	372.0	425.8	503.0	577.8	624.6	666.7
75°	163.8	161.4	184.8	201.2	233.9	271.4	315.8	355.6	414.1	458.5	496.0
77.5°	114.6	124.0	142.7	166.1	177.8	191.8	219.9	250.3	276.1	308.8	332.2
80°	88.9	95.9	110.0	121.7	133.3	145.0	159.1	170.8	187.2	208.2	219.9
82.5°	84.2	88.9	102.9	110.0	105.3	102.9	112.3	117.0	119.3	126.3	133.3
85°	7.0	0.0	4.7	16.4	39.8	58.5	63.2	63.2	60.8	65.5	65.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	9.4	7.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1
2.5°	6325.9	6246.4	6276.8	6314.2	6260.4	6136.4	6169.2	6155.1	6281.5	6272.1	6398.4
5°	5303.6	5179.6	5193.6	5376.1	5317.6	5380.8	5254.4	5238.1	5261.4	5273.1	5294.2
7.5°	4059.0	4042.6	4183.0	4337.4	4409.9	4335.0	4211.0	4183.0	4157.2	4105.8	4222.7
10°	3312.7	3317.4	3308.0	3425.0	3506.9	3490.5	3415.6	3406.3	3357.1	3338.4	3403.9
12.5°	2957.1	2893.9	2863.5	2826.1	2889.2	2931.3	2898.6	2875.2	2877.5	2900.9	2910.3
15°	2613.2	2573.4	2507.9	2465.8	2496.2	2475.1	2463.5	2510.2	2498.5	2493.9	2550.0
17.5°	2227.2	2259.9	2255.2	2208.5	2248.2	2231.8	2229.5	2196.8	2152.3	2119.6	2138.3
20°	1972.2	2033.0	2079.8	2082.1	2103.2	2100.8	2065.7	1965.1	1932.4	1925.4	1930.1
22.5°	1880.9	1913.7	1969.8	2049.4	2049.4	2011.9	1969.8	1852.9	1822.4	1789.7	1775.7
25°	1808.4	1871.6	1944.1	1953.4	1990.9	1955.8	1887.9	1829.5	1766.3	1721.8	1721.8
27.5°	1771.0	1841.2	1895.0	1911.3	1962.8	1934.7	1864.5	1789.7	1714.8	1712.5	1672.7
30°	1754.6	1820.1	1855.2	1895.0	1918.4	1873.9	1852.9	1773.3	1698.4	1679.7	1614.2
32.5°	1705.5	1799.0	1864.5	1855.2	1873.9	1855.2	1824.8	1759.3	1675.1	1632.9	1625.9
35°	1649.3	1742.9	1813.1	1862.2	1873.9	1834.1	1815.4	1726.5	1611.9	1590.8	1518.3
37.5°	1618.9	1675.1	1761.6	1841.2	1857.5	1836.5	1773.3	1682.1	1567.4	1544.0	1480.9
40°	1581.5	1654.0	1721.8	1787.3	1836.5	1785.0	1712.5	1623.6	1572.1	1501.9	1483.2
42.5°	1553.4	1635.3	1691.4	1764.0	1820.1	1752.3	1668.0	1607.2	1534.7	1487.9	1434.1
44°	1544.0	1618.9	1656.3	1745.2	1792.0	1740.6	1670.4	1607.2	1523.0	1480.9	1434.1
45°	1511.3	1614.2	1654.0	1733.5	1773.3	1731.2	1642.3	1579.1	1518.3	1466.8	1417.7
47.5°	1478.5	1548.7	1616.6	1679.7	1707.8	1693.8	1618.9	1541.7	1469.2	1438.8	1392.0
50°	1469.2	1539.4	1602.5	1661.0	1693.8	1665.7	1597.9	1523.0	1438.8	1389.6	1349.9
52.5°	1422.4	1509.0	1579.1	1597.9	1640.0	1623.6	1572.1	1490.2	1410.7	1368.6	1335.8
55°	1354.5	1445.8	1541.7	1565.1	1625.9	1600.2	1523.0	1445.8	1377.9	1314.8	1272.7
57.5°	1328.8	1417.7	1511.3	1541.7	1579.1	1537.0	1518.3	1436.4	1328.8	1296.1	1230.6
60°	1263.3	1375.6	1452.8	1523.0	1525.3	1513.6	1480.9	1387.3	1298.4	1237.6	1190.8
62.5°	1211.8	1317.1	1377.9	1443.4	1483.2	1450.5	1417.7	1331.2	1235.2	1167.4	1113.6
65°	1137.0	1232.9	1284.4	1324.1	1368.6	1363.9	1307.8	1244.6	1144.0	1090.2	1038.7
67.5°	1022.3	1106.6	1176.7	1214.2	1242.3	1235.2	1193.1	1148.7	1045.7	991.9	954.5
70°	884.3	970.9	1015.3	1036.4	1064.5	1078.5	1045.7	1024.7	933.4	863.3	828.2
72.5°	711.2	767.3	832.8	851.6	863.3	872.6	872.6	853.9	760.3	732.3	671.4
75°	524.0	568.5	617.6	617.6	638.7	641.0	645.7	634.0	563.8	526.4	512.3
77.5°	355.6	388.4	428.1	444.5	458.5	456.2	453.9	421.1	383.7	367.3	353.3
80°	231.6	264.4	283.1	304.1	318.2	315.8	320.5	297.1	280.7	252.7	257.3
82.5°	138.0	163.8	182.5	208.2	208.2	215.2	215.2	208.2	191.8	177.8	177.8
85°	65.5	86.6	98.3	114.6	124.0	126.3	112.3	95.9	79.5	72.5	79.5
87.5°	11.7	16.4	23.4	21.1	25.7	23.4	23.4	23.4	23.4	18.7	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P528678

CATALOG NUMBER: GALN-SA3D-735-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1	7147.1
2.5°	6351.6	6468.6	6550.5	6686.2	6920.1	7107.3	7299.1	7441.8	7458.2	7500.3
5°	5371.4	5434.6	5642.8	5914.2	6106.0	6421.8	6625.4	6995.0	7133.0	7280.4
7.5°	4194.7	4297.6	4576.0	4758.5	5179.6	5574.9	5984.3	6440.5	6623.0	6644.1
10°	3537.3	3687.0	3876.5	4168.9	4398.2	4838.0	5348.0	5855.7	6059.2	6094.3
12.5°	3106.8	3298.6	3551.3	3761.9	3981.8	4365.4	4854.4	5481.4	5745.7	5904.8
15°	2692.7	2891.6	3170.0	3462.4	3656.6	4115.1	4690.6	5397.1	5741.0	5881.4
17.5°	2266.9	2451.8	2681.0	2996.8	3387.5	3902.2	4664.9	5677.9	6054.5	6218.3
20°	1902.0	2004.9	2271.6	2596.8	3085.7	3684.7	4674.2	6092.0	6644.1	6716.6
22.5°	1759.3	1782.7	1887.9	2187.4	2723.1	3462.4	4840.3	6679.2	7306.1	7544.8
25°	1649.3	1644.6	1672.7	1873.9	2458.8	3375.8	5004.1	7219.6	8040.7	8300.4
27.5°	1588.5	1541.7	1544.0	1733.5	2271.6	3235.5	5214.7	7839.5	8873.6	8988.2
30°	1558.1	1548.7	1520.6	1597.9	2068.1	3024.9	5249.7	8450.1	9364.9	9531.0
32.5°	1539.4	1448.1	1413.0	1441.1	1876.2	2795.7	5380.8	8852.5	9973.1	9900.6
35°	1445.8	1363.9	1340.5	1368.6	1740.6	2667.0	5294.2	9203.4	10429.3	10551.0
37.5°	1410.7	1338.2	1291.4	1268.0	1614.2	2559.4	5249.7	9743.9	10871.5	11163.9
40°	1377.9	1300.7	1244.6	1221.2	1516.0	2416.7	5235.7	10160.3	11381.5	11556.9
42.5°	1340.5	1291.4	1228.2	1186.1	1396.7	2274.0	5074.3	10288.9	11538.2	11727.7
44°	1328.8	1254.0	1188.4	1174.4	1349.9	2201.4	5041.5	10405.9	11673.9	11961.7
45°	1317.1	1246.9	1172.1	1153.4	1333.5	2161.7	4997.1	10434.0	11898.5	11952.3
47.5°	1284.4	1239.9	1167.4	1115.9	1298.4	2075.1	4863.7	10274.9	11669.2	11678.6
50°	1258.6	1207.2	1132.3	1031.7	1251.6	2002.6	4924.6	10216.4	11117.1	11138.2
52.5°	1230.6	1153.4	1111.2	938.1	1174.4	1941.8	5053.2	10480.8	11180.3	11175.6
55°	1197.8	1113.6	1010.6	858.6	1045.7	1864.5	5364.4	11002.5	11765.1	11844.7
57.5°	1146.3	1073.8	926.4	788.4	898.4	1717.2	5263.8	10003.5	10824.7	10838.7
60°	1078.5	1010.6	839.9	734.6	736.9	1354.5	4707.0	7795.1	8541.4	8744.9
62.5°	1013.0	975.6	767.3	657.4	627.0	1078.5	3979.4	6478.0	7331.9	7500.3
65°	935.8	844.5	704.2	598.9	538.1	755.6	2819.0	4840.3	5720.0	5946.9
67.5°	837.5	739.3	620.0	526.4	460.9	505.3	1455.1	2751.2	3642.5	3775.9
70°	732.3	641.0	521.7	444.5	372.0	348.6	641.0	1312.4	1990.9	2128.9
72.5°	601.2	517.0	416.4	350.9	278.4	241.0	215.2	350.9	706.5	821.2
75°	435.1	376.7	313.5	250.3	196.5	154.4	126.3	105.3	117.0	126.3
77.5°	320.5	273.7	231.6	177.8	138.0	110.0	86.6	65.5	63.2	60.8
80°	250.3	222.2	184.8	142.7	107.6	81.9	60.8	44.4	39.8	39.8
82.5°	196.5	182.5	152.1	117.0	88.9	65.5	44.4	30.4	25.7	25.7
85°	74.9	74.9	110.0	95.9	67.8	46.8	30.4	16.4	14.0	14.0
87.5°	18.7	18.7	18.7	18.7	16.4	14.0	14.0	7.0	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)