

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P273755

Luminaire Tested: **8RCG-4-78D-L830-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P273755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RCG-4-78D-L830-A
Description: RCG SERIES DIRECT RECESSED LED LUMINAIRE WITH ASYMMETRIC FLUSH LENS
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

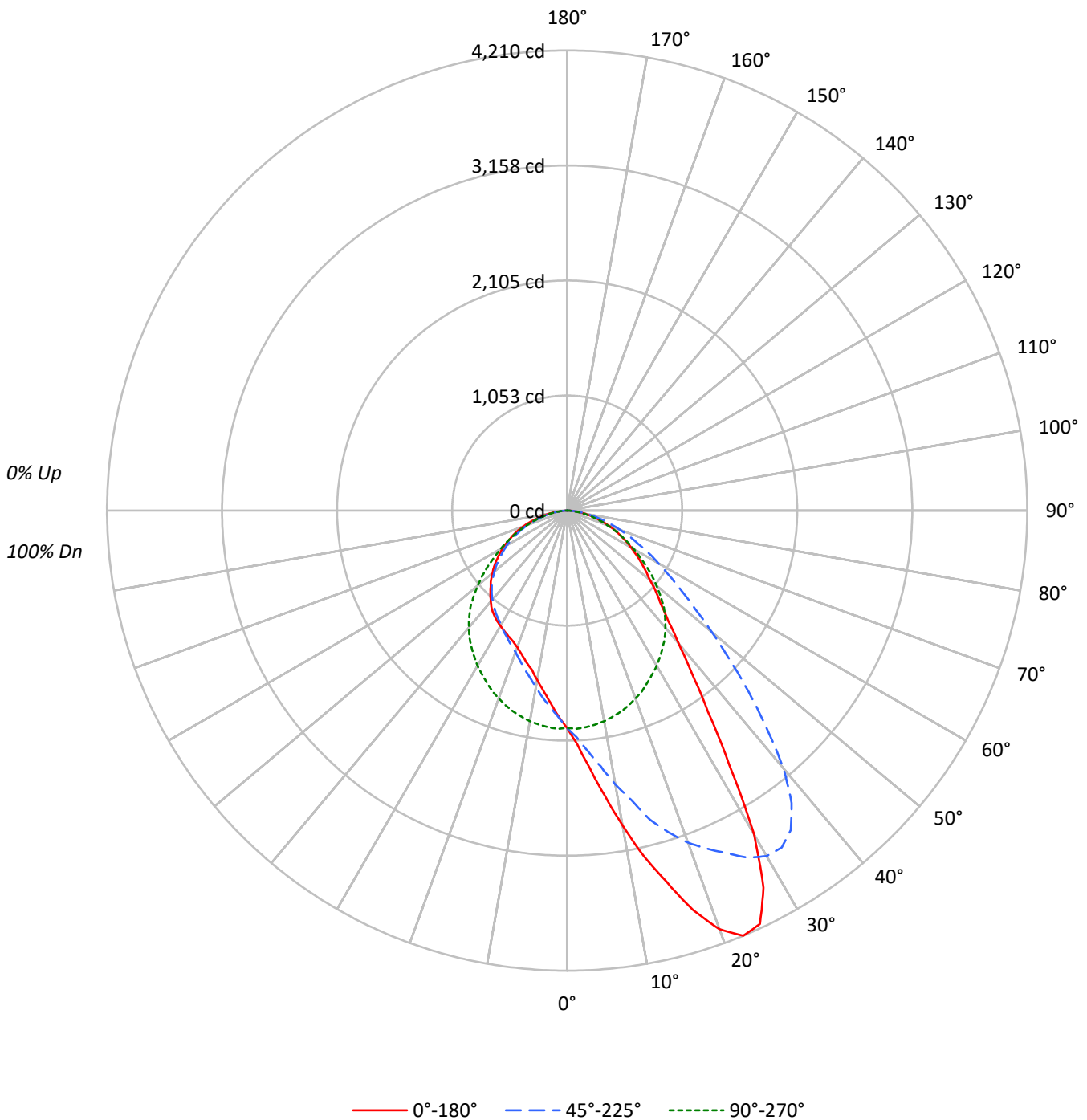
Lumens per Lamp: N/A
Luminaire Lumens: 6001.9 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.5
Luminous Opening: Rectangular (W 7.88' x L: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
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: 25 FT



TEST NUMBER: P273755
CATALOG NUMBER: 8RCG-4-78D-L830-A

Luminous Intensity Polar Plot





TEST NUMBER: P273755

CATALOG NUMBER: 8RCG-4-78D-L830-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 75 | 69 | 65 | 72 | 68 | 64 | 62 |
| 4 | 84 | 73 | 65 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 53 |
| 5 | 78 | 66 | 57 | 51 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 43 | 53 | 48 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 41 | 36 | 31 | 29 |
| 10 | 55 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 38 | 33 | 28 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 11861 | 11861 | 11861 |
| 5° | 14144 | 11911 | 10555 |
| 10° | 17703 | 11851 | 9534 |
| 15° | 21714 | 11756 | 8876 |
| 20° | 25866 | 11606 | 8451 |
| 25° | 27466 | 11425 | 8357 |
| 30° | 23542 | 11293 | 8400 |
| 35° | 16373 | 11105 | 8488 |
| 40° | 12331 | 10885 | 8462 |
| 45° | 10240 | 10555 | 8354 |
| 50° | 9171 | 9888 | 8279 |
| 55° | 8575 | 9167 | 8175 |
| 60° | 8045 | 8412 | 8090 |
| 65° | 7559 | 7669 | 7833 |
| 70° | 7091 | 6822 | 7460 |
| 75° | 6351 | 5973 | 6840 |
| 80° | 5557 | 4898 | 5887 |
| 85° | 4352 | 3559 | 3955 |



TEST NUMBER: P273755

CATALOG NUMBER: 8RCG-4-78D-L830-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 195.6 | 3.3 |
| 10°-20° | 628.2 | 10.5 |
| 20°-30° | 1056.9 | 17.6 |
| 30°-40° | 1194.5 | 19.9 |
| 40°-50° | 1069.9 | 17.8 |
| 50°-60° | 863.6 | 14.4 |
| 60°-70° | 601.7 | 10.0 |
| 70°-80° | 315.8 | 5.3 |
| 80°-90° | 75.7 | 1.3 |
| 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°-30° | 1880.6 | 31.3 |
| 0°-40° | 3075.1 | 51.2 |
| 0°-60° | 5008.6 | 83.5 |
| 0°-90° | 6001.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6001.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1989 | 1989 | 1989 | 1989 | 1989 | |
| 5° | 2362 | 2214 | 1989 | 1802 | 1763 | 243 |
| 15° | 3517 | 2927 | 1904 | 1501 | 1437 | 1015 |
| 25° | 4174 | 3459 | 1736 | 1290 | 1270 | 1845 |
| 35° | 2249 | 3567 | 1525 | 1140 | 1166 | 1451 |
| 45° | 1214 | 2351 | 1251 | 975 | 990 | 957 |
| 55° | 825 | 1277 | 882 | 753 | 786 | 740 |
| 65° | 536 | 716 | 543 | 512 | 555 | 534 |
| 75° | 276 | 339 | 259 | 257 | 297 | 294 |
| 85° | 64 | 73 | 52 | 51 | 58 | 77 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P273755

CATALOG NUMBER: 8RCG-4-78D-L830-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 |
| 2.5° | 2140.8 | 2138.8 | 2134.0 | 2137.8 | 2130.2 | 2119.6 | 2118.6 | 2109.0 | 2081.0 | 2079.0 | 2071.4 |
| 5° | 2362.4 | 2354.6 | 2353.6 | 2352.6 | 2339.2 | 2320.8 | 2286.2 | 2283.4 | 2237.0 | 2214.0 | 2186.0 |
| 7.5° | 2630.2 | 2627.2 | 2619.6 | 2610.8 | 2565.6 | 2543.4 | 2510.6 | 2468.2 | 2414.4 | 2362.4 | 2329.6 |
| 10° | 2923.0 | 2954.8 | 2915.4 | 2888.4 | 2863.4 | 2816.0 | 2761.2 | 2692.8 | 2624.4 | 2544.4 | 2483.8 |
| 12.5° | 3237.2 | 3248.6 | 3248.6 | 3223.6 | 3181.2 | 3103.2 | 2995.2 | 2918.2 | 2856.6 | 2710.2 | 2658.0 |
| 15° | 3516.6 | 3575.2 | 3537.8 | 3451.0 | 3453.0 | 3384.6 | 3257.4 | 3117.6 | 3043.4 | 2926.8 | 2768.0 |
| 17.5° | 3832.6 | 3843.2 | 3831.6 | 3750.6 | 3711.2 | 3611.8 | 3497.2 | 3367.2 | 3227.4 | 3085.8 | 2921.2 |
| 20° | 4075.2 | 4069.6 | 4035.8 | 3998.2 | 3915.4 | 3842.2 | 3714.0 | 3564.6 | 3372.0 | 3233.2 | 3049.2 |
| 22.5° | 4210.2 | 4199.6 | 4188.0 | 4158.2 | 4092.6 | 4012.6 | 3901.0 | 3734.2 | 3553.2 | 3348.8 | 3129.2 |
| 25° | 4173.6 | 4186.0 | 4188.0 | 4179.4 | 4155.2 | 4108.0 | 4017.4 | 3887.4 | 3704.4 | 3458.8 | 3237.2 |
| 27.5° | 3890.4 | 3922.2 | 3962.6 | 3989.6 | 4033.0 | 4061.8 | 4033.0 | 3951.0 | 3800.8 | 3581.0 | 3308.4 |
| 30° | 3418.2 | 3379.6 | 3475.0 | 3595.6 | 3677.4 | 3822.0 | 3902.8 | 3907.6 | 3831.6 | 3649.4 | 3385.4 |
| 32.5° | 2763.2 | 2825.8 | 2854.6 | 3009.8 | 3213.0 | 3379.6 | 3560.8 | 3721.8 | 3759.2 | 3653.4 | 3430.8 |
| 35° | 2248.6 | 2301.6 | 2378.6 | 2455.8 | 2648.4 | 2814.2 | 3097.4 | 3344.0 | 3540.6 | 3566.6 | 3425.0 |
| 37.5° | 1869.0 | 1899.8 | 1947.0 | 2029.0 | 2161.0 | 2366.2 | 2590.6 | 2911.4 | 3182.2 | 3373.0 | 3353.6 |
| 40° | 1583.8 | 1591.6 | 1646.4 | 1705.2 | 1807.4 | 1969.2 | 2166.8 | 2442.2 | 2783.4 | 3079.2 | 3202.4 |
| 42.5° | 1370.0 | 1389.2 | 1404.6 | 1460.6 | 1536.6 | 1648.4 | 1828.6 | 2044.4 | 2349.8 | 2701.4 | 2972.2 |
| 45° | 1214.0 | 1233.2 | 1247.6 | 1285.2 | 1343.0 | 1425.0 | 1553.0 | 1761.2 | 1999.2 | 2350.8 | 2675.4 |
| 47.5° | 1106.0 | 1104.0 | 1116.6 | 1146.4 | 1188.0 | 1253.4 | 1347.8 | 1486.6 | 1714.8 | 2008.8 | 2348.8 |
| 50° | 988.4 | 1003.8 | 1007.8 | 1030.0 | 1060.8 | 1106.0 | 1181.2 | 1294.8 | 1474.0 | 1724.6 | 2031.0 |
| 52.5° | 905.6 | 907.6 | 920.0 | 934.6 | 960.6 | 993.2 | 1056.0 | 1138.8 | 1269.8 | 1474.0 | 1749.6 |
| 55° | 824.6 | 824.6 | 835.2 | 847.8 | 863.2 | 895.0 | 938.4 | 1003.8 | 1110.8 | 1276.6 | 1509.6 |
| 57.5° | 749.6 | 753.4 | 763.0 | 766.0 | 779.4 | 801.6 | 839.2 | 891.2 | 973.0 | 1107.0 | 1299.6 |
| 60° | 674.4 | 683.0 | 682.2 | 689.8 | 701.4 | 717.8 | 748.6 | 789.0 | 860.4 | 962.4 | 1118.6 |
| 62.5° | 608.8 | 606.0 | 606.0 | 615.6 | 627.2 | 642.6 | 660.0 | 693.6 | 751.4 | 839.2 | 966.4 |
| 65° | 535.6 | 533.8 | 540.4 | 546.2 | 550.2 | 561.6 | 577.0 | 608.0 | 648.4 | 715.8 | 819.0 |
| 67.5° | 472.0 | 466.2 | 471.2 | 473.0 | 479.8 | 489.4 | 504.8 | 524.2 | 556.8 | 613.8 | 696.6 |
| 70° | 406.6 | 401.8 | 400.8 | 402.8 | 408.4 | 415.2 | 425.8 | 444.2 | 474.0 | 517.4 | 574.2 |
| 72.5° | 339.2 | 336.2 | 336.2 | 341.0 | 343.0 | 346.8 | 353.6 | 370.0 | 392.2 | 422.0 | 474.0 |
| 75° | 275.6 | 275.6 | 275.6 | 276.6 | 279.4 | 283.2 | 289.0 | 297.6 | 316.0 | 339.2 | 374.8 |
| 77.5° | 217.8 | 218.6 | 216.8 | 215.8 | 220.6 | 222.6 | 223.6 | 233.2 | 243.8 | 261.0 | 289.0 |
| 80° | 161.8 | 157.0 | 159.0 | 161.8 | 163.8 | 164.8 | 167.6 | 169.6 | 178.2 | 187.0 | 205.2 |
| 82.5° | 109.8 | 106.0 | 106.0 | 110.8 | 110.8 | 111.8 | 114.6 | 117.6 | 119.4 | 127.2 | 134.8 |
| 85° | 63.6 | 63.6 | 64.6 | 64.6 | 65.6 | 64.6 | 67.4 | 68.4 | 68.4 | 73.2 | 79.0 |
| 87.5° | 29.0 | 27.0 | 28.0 | 29.0 | 28.0 | 29.0 | 29.8 | 30.8 | 31.8 | 32.8 | 33.8 |
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 |
| 2.5° | 2065.6 | 2057.8 | 2050.2 | 2036.6 | 2025.2 | 2008.8 | 2004.0 | 1998.2 | 1980.8 | 1965.4 | 1953.8 |
| 5° | 2175.4 | 2152.2 | 2118.6 | 2087.8 | 2062.6 | 2029.0 | 2009.8 | 1989.4 | 1960.6 | 1934.6 | 1913.4 |
| 7.5° | 2280.4 | 2240.0 | 2192.8 | 2141.6 | 2092.6 | 2045.4 | 2007.8 | 1974.0 | 1936.4 | 1899.8 | 1872.0 |
| 10° | 2410.4 | 2345.0 | 2271.8 | 2192.8 | 2125.4 | 2059.8 | 2004.8 | 1956.8 | 1904.6 | 1859.4 | 1821.8 |
| 12.5° | 2558.8 | 2453.8 | 2346.0 | 2245.8 | 2162.8 | 2065.6 | 1996.2 | 1931.6 | 1871.0 | 1814.2 | 1770.8 |
| 15° | 2669.6 | 2546.4 | 2426.8 | 2294.8 | 2173.4 | 2059.8 | 1980.8 | 1903.8 | 1835.4 | 1779.4 | 1725.4 |
| 17.5° | 2779.4 | 2644.6 | 2492.4 | 2333.4 | 2190.8 | 2059.8 | 1952.0 | 1869.0 | 1785.2 | 1717.8 | 1665.8 |
| 20° | 2870.0 | 2711.0 | 2532.8 | 2366.2 | 2204.4 | 2054.0 | 1932.6 | 1828.6 | 1736.0 | 1663.8 | 1603.2 |
| 22.5° | 2948.0 | 2755.4 | 2569.4 | 2388.4 | 2203.4 | 2038.6 | 1897.0 | 1789.0 | 1687.0 | 1616.6 | 1551.2 |
| 25° | 2997.2 | 2774.6 | 2589.6 | 2380.6 | 2179.2 | 2011.6 | 1857.4 | 1736.0 | 1635.8 | 1553.0 | 1486.6 |
| 27.5° | 3043.4 | 2771.8 | 2562.8 | 2337.2 | 2150.4 | 1983.6 | 1818.0 | 1688.0 | 1583.0 | 1493.4 | 1425.0 |
| 30° | 3089.8 | 2776.6 | 2515.6 | 2293.0 | 2104.2 | 1930.8 | 1770.8 | 1639.8 | 1528.0 | 1436.4 | 1372.8 |
| 32.5° | 3118.6 | 2773.8 | 2472.2 | 2231.2 | 2031.0 | 1882.6 | 1719.8 | 1583.0 | 1467.2 | 1377.6 | 1317.0 |
| 35° | 3126.4 | 2757.4 | 2421.0 | 2141.6 | 1951.0 | 1801.6 | 1665.8 | 1525.2 | 1404.6 | 1320.8 | 1251.4 |
| 37.5° | 3110.0 | 2727.4 | 2365.2 | 2060.8 | 1854.6 | 1706.2 | 1587.8 | 1467.2 | 1351.6 | 1258.2 | 1197.6 |
| 40° | 3057.0 | 2698.6 | 2297.8 | 1974.0 | 1754.4 | 1612.8 | 1515.4 | 1398.0 | 1284.2 | 1196.6 | 1140.6 |
| 42.5° | 2955.8 | 2639.8 | 2223.6 | 1877.8 | 1650.4 | 1508.8 | 1421.0 | 1327.6 | 1221.6 | 1140.6 | 1084.8 |
| 45° | 2778.6 | 2549.2 | 2149.4 | 1781.4 | 1548.2 | 1401.8 | 1322.8 | 1251.4 | 1154.2 | 1074.2 | 1026.0 |
| 47.5° | 2552.2 | 2426.8 | 2042.4 | 1680.2 | 1441.2 | 1299.6 | 1216.8 | 1158.0 | 1082.0 | 1017.4 | 970.2 |
| 50° | 2314.2 | 2268.8 | 1933.6 | 1576.2 | 1334.4 | 1196.6 | 1117.6 | 1065.6 | 1014.4 | 950.0 | 907.6 |
| 52.5° | 2039.6 | 2085.8 | 1806.4 | 1468.2 | 1225.4 | 1090.6 | 1017.4 | 978.8 | 933.6 | 883.4 | 847.8 |
| 55° | 1785.2 | 1886.4 | 1656.2 | 1345.0 | 1117.6 | 988.4 | 918.2 | 881.6 | 854.6 | 815.0 | 783.2 |
| 57.5° | 1538.6 | 1667.6 | 1500.0 | 1220.6 | 1011.6 | 898.8 | 829.6 | 788.0 | 770.8 | 748.6 | 722.6 |
| 60° | 1323.8 | 1451.0 | 1330.4 | 1095.4 | 904.6 | 798.6 | 739.0 | 705.2 | 687.8 | 673.4 | 652.2 |
| 62.5° | 1132.0 | 1261.2 | 1164.8 | 968.2 | 799.6 | 703.4 | 653.2 | 620.4 | 608.0 | 602.2 | 584.8 |
| 65° | 959.6 | 1070.4 | 1003.0 | 835.2 | 700.4 | 613.8 | 566.4 | 543.4 | 530.8 | 528.0 | 516.4 |
| 67.5° | 810.2 | 896.0 | 844.0 | 717.8 | 608.0 | 529.0 | 487.4 | 467.2 | 456.6 | 455.8 | 446.0 |
| 70° | 663.8 | 742.8 | 705.2 | 593.4 | 502.0 | 443.2 | 408.4 | 391.2 | 385.4 | 384.4 | 379.6 |
| 72.5° | 550.2 | 599.2 | 571.4 | 482.6 | 417.2 | 365.2 | 342.0 | 323.8 | 317.0 | 318.8 | 316.0 |
| 75° | 424.0 | 465.4 | 448.0 | 383.4 | 326.6 | 292.0 | 270.8 | 259.2 | 253.4 | 256.2 | 252.4 |
| 77.5° | 323.8 | 352.6 | 335.2 | 286.2 | 249.6 | 223.6 | 207.2 | 199.4 | 193.6 | 193.6 | 191.8 |
| 80° | 230.2 | 245.6 | 237.0 | 210.0 | 181.2 | 160.0 | 147.4 | 142.6 | 139.6 | 138.8 | 137.8 |
| 82.5° | 147.4 | 160.0 | 149.4 | 133.0 | 115.6 | 105.0 | 99.2 | 92.4 | 90.6 | 91.6 | 90.6 |
| 85° | 82.8 | 87.6 | 83.8 | 72.2 | 64.6 | 58.8 | 55.0 | 52.0 | 50.0 | 51.0 | 49.2 |
| 87.5° | 35.6 | 36.6 | 33.8 | 29.8 | 28.0 | 25.0 | 25.0 | 23.2 | 21.2 | 21.2 | 20.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P273755

CATALOG NUMBER: 8RCG-4-78D-L830-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 | 1988.6 |
| 2.5° | 1947.0 | 1940.4 | 1930.8 | 1916.2 | 1904.6 | 1886.4 | 1886.4 | 1889.2 | 1889.2 | 1888.4 | 1886.4 |
| 5° | 1896.0 | 1881.6 | 1864.2 | 1844.0 | 1822.8 | 1801.6 | 1797.8 | 1790.0 | 1784.2 | 1780.4 | 1775.6 |
| 7.5° | 1844.0 | 1820.0 | 1795.8 | 1767.8 | 1743.8 | 1723.6 | 1709.2 | 1696.6 | 1688.8 | 1680.2 | 1673.4 |
| 10° | 1791.0 | 1759.2 | 1729.4 | 1699.4 | 1666.8 | 1640.8 | 1624.4 | 1612.8 | 1604.2 | 1596.4 | 1592.6 |
| 12.5° | 1728.4 | 1690.8 | 1657.0 | 1629.2 | 1592.6 | 1565.6 | 1550.2 | 1546.2 | 1535.8 | 1517.4 | 1507.8 |
| 15° | 1667.6 | 1634.0 | 1594.4 | 1551.2 | 1533.8 | 1501.0 | 1482.8 | 1474.0 | 1468.2 | 1455.8 | 1451.8 |
| 17.5° | 1617.6 | 1572.4 | 1527.0 | 1495.2 | 1463.4 | 1437.4 | 1426.8 | 1415.2 | 1407.6 | 1396.0 | 1393.2 |
| 20° | 1555.0 | 1515.4 | 1475.0 | 1440.4 | 1406.6 | 1377.6 | 1369.0 | 1361.4 | 1353.6 | 1348.8 | 1345.0 |
| 22.5° | 1491.4 | 1451.8 | 1420.0 | 1388.2 | 1351.6 | 1335.4 | 1325.6 | 1317.0 | 1312.2 | 1309.2 | 1305.4 |
| 25° | 1432.6 | 1398.0 | 1360.4 | 1331.4 | 1302.6 | 1290.0 | 1284.2 | 1279.4 | 1275.6 | 1270.8 | 1269.8 |
| 27.5° | 1380.6 | 1342.0 | 1310.2 | 1282.4 | 1261.2 | 1250.6 | 1243.8 | 1240.8 | 1240.8 | 1242.8 | 1243.8 |
| 30° | 1320.8 | 1286.2 | 1261.2 | 1238.0 | 1218.8 | 1209.2 | 1208.2 | 1208.2 | 1212.0 | 1213.0 | 1214.8 |
| 32.5° | 1266.0 | 1239.0 | 1214.0 | 1191.8 | 1178.2 | 1172.4 | 1177.4 | 1177.4 | 1180.2 | 1183.0 | 1187.0 |
| 35° | 1213.0 | 1188.0 | 1168.6 | 1149.4 | 1136.8 | 1139.8 | 1141.6 | 1143.6 | 1148.4 | 1154.2 | 1158.0 |
| 37.5° | 1162.8 | 1139.8 | 1119.6 | 1104.0 | 1096.4 | 1102.2 | 1107.0 | 1110.8 | 1116.6 | 1121.4 | 1125.2 |
| 40° | 1108.0 | 1091.6 | 1072.2 | 1058.8 | 1060.8 | 1063.6 | 1067.4 | 1072.2 | 1077.2 | 1080.0 | 1083.8 |
| 42.5° | 1056.8 | 1039.6 | 1026.0 | 1015.4 | 1018.4 | 1022.2 | 1024.2 | 1026.0 | 1031.8 | 1037.6 | 1039.6 |
| 45° | 1004.8 | 991.4 | 977.8 | 971.2 | 973.0 | 975.0 | 977.0 | 979.8 | 984.6 | 988.4 | 989.4 |
| 47.5° | 946.0 | 936.4 | 927.8 | 920.0 | 924.0 | 923.0 | 925.8 | 931.6 | 933.6 | 935.4 | 941.2 |
| 50° | 890.2 | 881.6 | 871.0 | 869.0 | 869.0 | 869.0 | 870.0 | 877.6 | 877.6 | 881.6 | 885.4 |
| 52.5° | 828.6 | 823.8 | 818.0 | 814.0 | 812.2 | 812.2 | 817.0 | 819.8 | 821.8 | 827.6 | 831.4 |
| 55° | 767.8 | 762.0 | 756.2 | 753.4 | 751.4 | 753.4 | 761.2 | 763.0 | 767.8 | 770.8 | 773.6 |
| 57.5° | 704.2 | 700.4 | 695.6 | 693.6 | 693.6 | 694.6 | 700.4 | 705.2 | 706.2 | 715.8 | 719.6 |
| 60° | 641.6 | 634.8 | 631.0 | 631.0 | 629.2 | 637.8 | 635.8 | 645.4 | 647.4 | 653.2 | 660.0 |
| 62.5° | 577.0 | 567.4 | 566.4 | 566.4 | 570.4 | 571.4 | 575.2 | 578.0 | 583.8 | 591.6 | 596.4 |
| 65° | 506.8 | 502.0 | 508.6 | 507.8 | 505.8 | 511.6 | 511.6 | 516.4 | 522.2 | 529.0 | 539.6 |
| 67.5° | 441.2 | 437.4 | 439.4 | 438.4 | 441.2 | 445.2 | 448.0 | 451.8 | 458.6 | 466.2 | 473.0 |
| 70° | 374.8 | 377.6 | 372.8 | 376.6 | 379.6 | 380.6 | 382.4 | 388.2 | 396.0 | 400.8 | 408.4 |
| 72.5° | 310.2 | 309.2 | 311.2 | 312.2 | 315.0 | 317.0 | 318.8 | 325.6 | 334.4 | 338.2 | 344.0 |
| 75° | 248.6 | 247.6 | 250.4 | 250.4 | 255.4 | 257.2 | 259.2 | 262.0 | 269.8 | 275.6 | 280.4 |
| 77.5° | 192.6 | 193.6 | 192.6 | 196.6 | 194.6 | 195.6 | 201.4 | 204.2 | 205.2 | 217.8 | 219.6 |
| 80° | 136.8 | 138.8 | 139.6 | 140.6 | 141.6 | 139.6 | 146.4 | 149.4 | 149.4 | 156.0 | 160.8 |
| 82.5° | 88.6 | 89.6 | 92.4 | 93.4 | 93.4 | 96.4 | 95.4 | 97.4 | 100.2 | 102.2 | 108.8 |
| 85° | 49.2 | 52.0 | 53.0 | 52.0 | 53.0 | 51.0 | 54.0 | 55.0 | 55.8 | 55.8 | 55.8 |
| 87.5° | 19.2 | 20.2 | 19.2 | 20.2 | 19.2 | 20.2 | 20.2 | 18.4 | 18.4 | 21.2 | 17.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P273755

CATALOG NUMBER: 8RCG-4-78D-L830-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1988.6 | 1988.6 | 1988.6 | 1988.6 |
| 2.5° | 1879.6 | 1878.6 | 1885.4 | 1880.6 |
| 5° | 1769.8 | 1772.8 | 1763.0 | 1763.0 |
| 7.5° | 1670.6 | 1666.8 | 1667.6 | 1661.0 |
| 10° | 1581.0 | 1575.2 | 1573.2 | 1574.2 |
| 12.5° | 1506.8 | 1506.8 | 1491.4 | 1491.4 |
| 15° | 1451.8 | 1433.6 | 1431.6 | 1437.4 |
| 17.5° | 1391.2 | 1380.6 | 1381.6 | 1379.6 |
| 20° | 1345.0 | 1339.2 | 1338.2 | 1331.4 |
| 22.5° | 1302.6 | 1301.6 | 1302.6 | 1294.8 |
| 25° | 1268.8 | 1273.6 | 1269.8 | 1269.8 |
| 27.5° | 1245.8 | 1245.8 | 1242.8 | 1242.8 |
| 30° | 1218.8 | 1217.8 | 1219.6 | 1219.6 |
| 32.5° | 1191.8 | 1193.6 | 1193.6 | 1194.6 |
| 35° | 1163.8 | 1164.8 | 1167.6 | 1165.8 |
| 37.5° | 1127.2 | 1132.0 | 1131.0 | 1133.0 |
| 40° | 1084.8 | 1087.8 | 1086.8 | 1086.8 |
| 42.5° | 1041.4 | 1043.4 | 1040.6 | 1038.6 |
| 45° | 993.2 | 991.4 | 994.2 | 990.4 |
| 47.5° | 940.4 | 941.2 | 942.2 | 946.0 |
| 50° | 887.4 | 893.0 | 893.0 | 892.2 |
| 52.5° | 835.2 | 837.2 | 842.0 | 842.0 |
| 55° | 781.4 | 783.2 | 785.2 | 786.2 |
| 57.5° | 726.4 | 725.4 | 729.4 | 730.2 |
| 60° | 667.6 | 667.6 | 675.4 | 678.2 |
| 62.5° | 605.0 | 608.8 | 616.6 | 610.8 |
| 65° | 544.4 | 552.0 | 551.0 | 555.0 |
| 67.5° | 480.8 | 485.6 | 493.2 | 493.2 |
| 70° | 416.2 | 421.0 | 424.8 | 427.8 |
| 72.5° | 353.6 | 355.6 | 366.2 | 360.4 |
| 75° | 287.2 | 293.8 | 299.6 | 296.8 |
| 77.5° | 223.6 | 232.2 | 234.2 | 231.2 |
| 80° | 167.6 | 166.6 | 172.4 | 171.4 |
| 82.5° | 111.8 | 110.8 | 112.8 | 113.6 |
| 85° | 59.8 | 62.6 | 58.8 | 57.8 |
| 87.5° | 17.4 | 17.4 | 16.4 | 15.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)