

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: P146480

Luminaire Tested: **CNC-E03-LED-E1-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146480
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: CNC-E03-LED-E1-T2
Description: CONCISE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8995.7 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

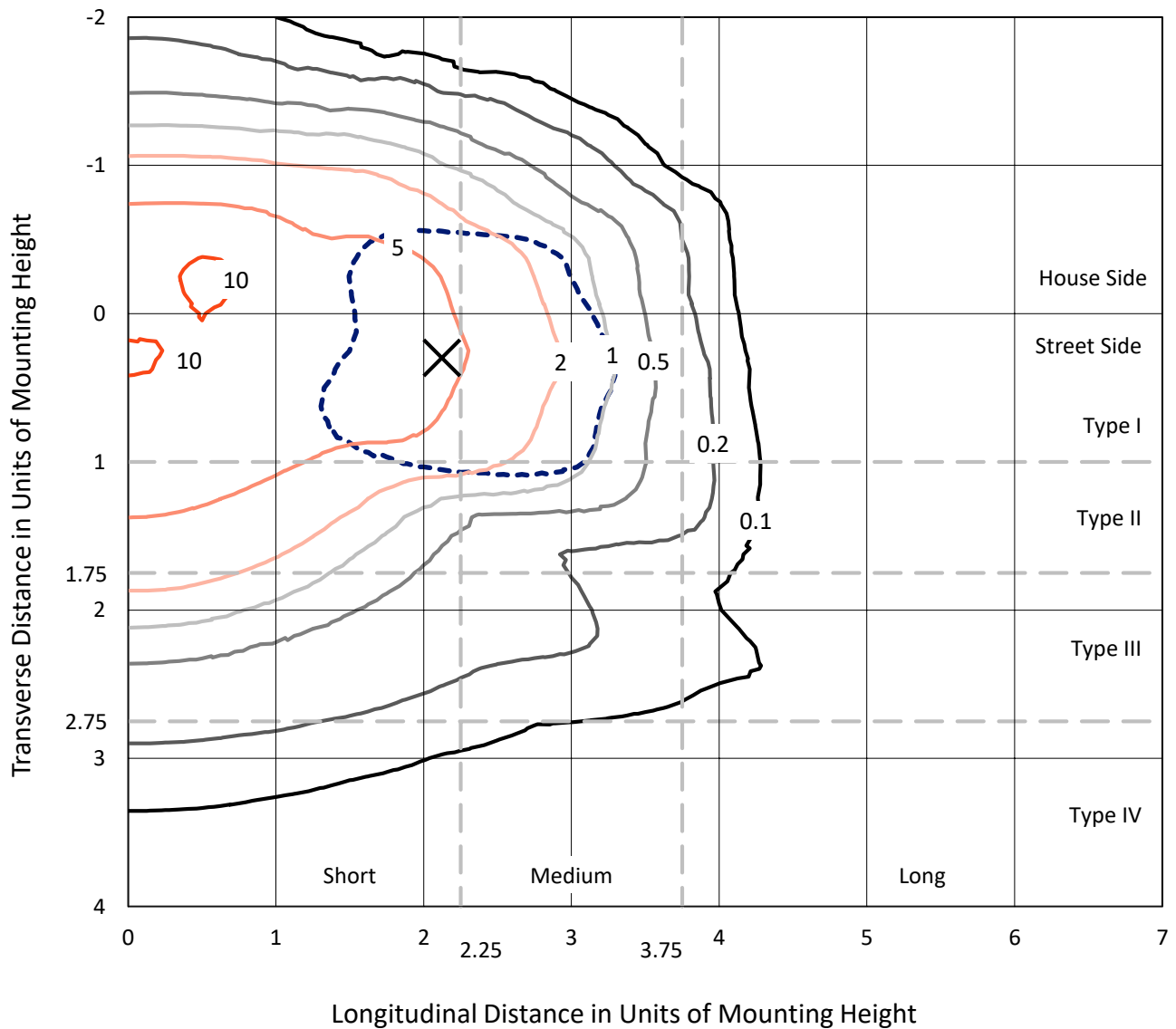
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

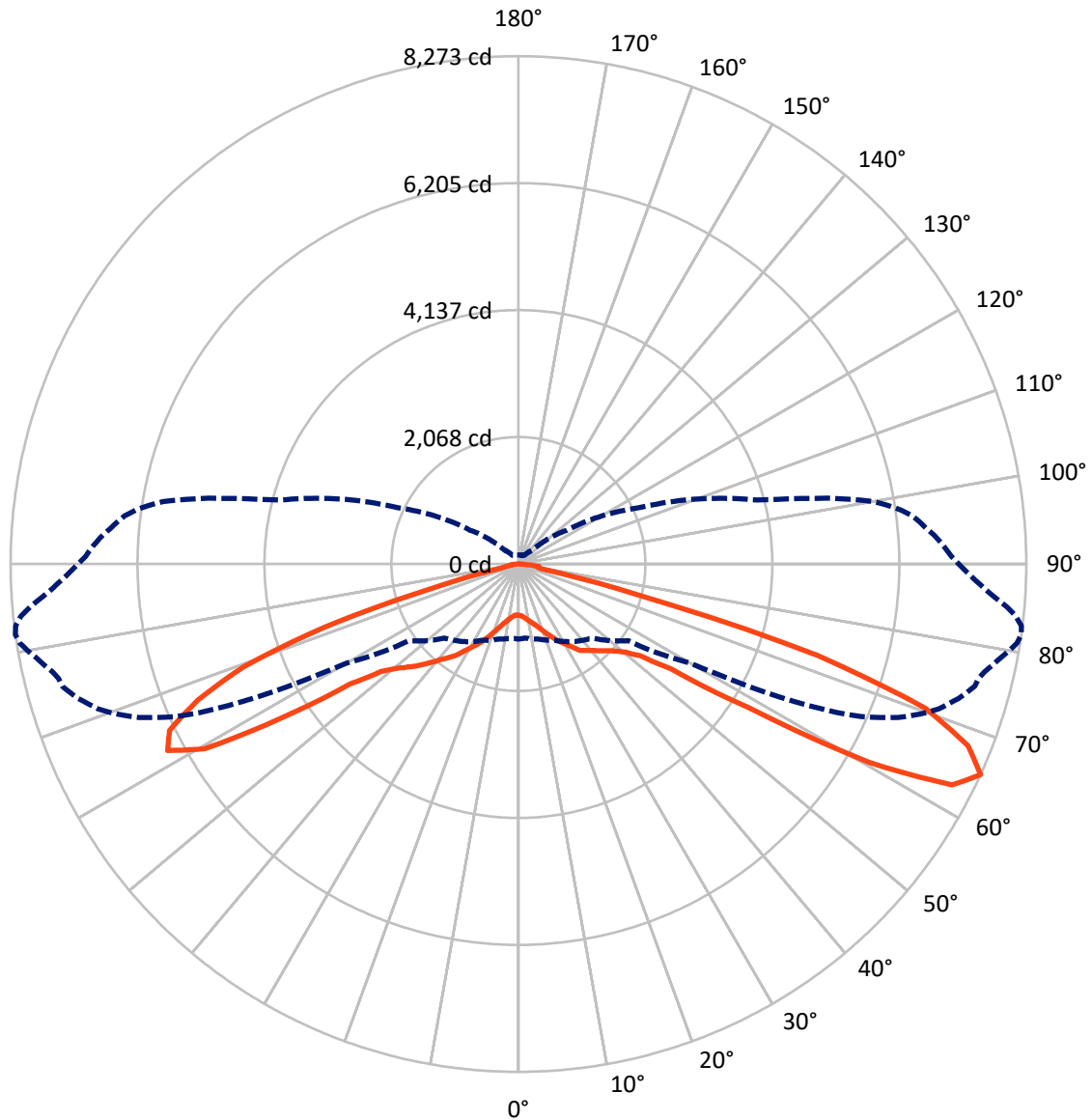
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: CNC-E03-LED-E1-T2

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3311.4 | 0.0 | 3311.4 |
| | % Fixture | 36.8 | 0.0 | 36.8 |
| Street Side | Lumens | 5684.3 | 0.0 | 5684.3 |
| | % Fixture | 63.2 | 0.0 | 63.2 |
| Total | Lumens | 8995.7 | 0.0 | 8995.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.6 | 0.9 |
| 10°-20° | 297.9 | 3.3 |
| 20°-30° | 590.9 | 6.6 |
| 30°-40° | 1008.2 | 11.2 |
| 40°-50° | 1511.9 | 16.8 |
| 50°-60° | 2104.4 | 23.4 |
| 60°-70° | 2417.7 | 26.9 |
| 70°-80° | 834.3 | 9.3 |
| 80°-90° | 145.9 | 1.6 |
| 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° | 8995.7 | 100.0 |
| 0°-180° | 8995.7 | 100.0 |

Coefficient of Utilization



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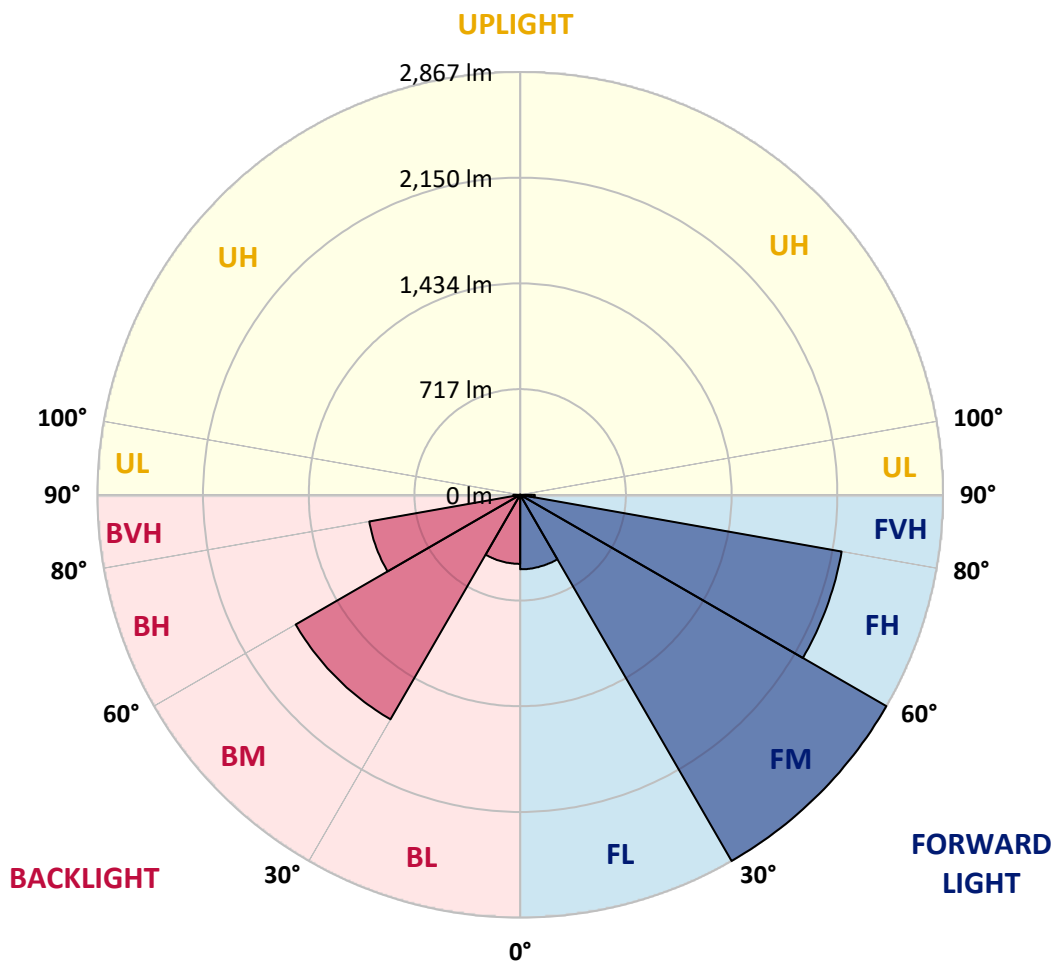
CATALOG NUMBER: CNC-E03-LED-E1-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 505.0 | 5.6 | | | |
| FM | (30°-60°) | 2867.0 | 31.9 | | | |
| FH | (60°-80°) | 2213.2 | 24.6 | | | G2/5000 |
| FVH | (80°-90°) | 99.1 | 1.1 | | | G1/100 |
| BL | (0°-30°) | 468.4 | 5.2 | B1/500 | | |
| BM | (30°-60°) | 1757.4 | 19.5 | B2/2500 | | |
| BH | (60°-80°) | 1038.7 | 11.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 46.8 | 0.5 | | | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 879.6 | 879.0 | 878.4 | 876.0 | 874.8 | 870.0 | 865.2 | 862.2 | 859.8 | 861.0 | 857.4 |
| 5° | 930.6 | 930.6 | 928.2 | 925.2 | 921.6 | 915.0 | 903.0 | 897.0 | 895.8 | 895.8 | 891.6 |
| 7.5° | 982.8 | 986.4 | 979.8 | 977.4 | 971.4 | 961.2 | 947.4 | 939.6 | 937.2 | 937.2 | 933.6 |
| 10° | 1048.8 | 1047.0 | 1039.8 | 1035.0 | 1023.0 | 1009.2 | 990.6 | 981.6 | 978.0 | 981.0 | 975.0 |
| 12.5° | 1118.4 | 1117.8 | 1107.0 | 1098.0 | 1081.2 | 1059.0 | 1034.4 | 1022.4 | 1020.0 | 1020.0 | 1016.4 |
| 15° | 1189.2 | 1189.8 | 1177.8 | 1161.0 | 1134.6 | 1104.6 | 1077.0 | 1065.6 | 1062.6 | 1061.4 | 1057.2 |
| 17.5° | 1243.2 | 1249.2 | 1237.2 | 1215.6 | 1183.2 | 1150.2 | 1120.8 | 1109.4 | 1108.8 | 1107.6 | 1102.8 |
| 20° | 1273.8 | 1275.0 | 1268.4 | 1252.8 | 1224.0 | 1192.2 | 1171.8 | 1166.4 | 1165.8 | 1166.4 | 1167.6 |
| 22.5° | 1272.6 | 1274.4 | 1272.0 | 1266.0 | 1247.4 | 1230.0 | 1227.6 | 1230.6 | 1232.4 | 1230.6 | 1234.8 |
| 25° | 1263.0 | 1265.4 | 1265.4 | 1268.4 | 1263.6 | 1269.6 | 1288.8 | 1297.2 | 1297.8 | 1299.0 | 1308.0 |
| 27.5° | 1284.0 | 1286.4 | 1285.8 | 1291.2 | 1295.4 | 1316.4 | 1351.2 | 1366.2 | 1368.0 | 1372.2 | 1380.6 |
| 30° | 1381.2 | 1381.8 | 1371.0 | 1370.4 | 1374.6 | 1391.4 | 1426.8 | 1444.2 | 1442.4 | 1450.8 | 1456.2 |
| 32.5° | 1534.8 | 1539.6 | 1528.8 | 1517.4 | 1515.6 | 1518.0 | 1524.6 | 1536.6 | 1534.8 | 1539.0 | 1546.2 |
| 35° | 1710.0 | 1710.6 | 1704.6 | 1711.2 | 1714.8 | 1698.6 | 1667.4 | 1664.4 | 1654.8 | 1656.6 | 1659.0 |
| 37.5° | 1870.8 | 1875.0 | 1886.4 | 1928.4 | 1952.4 | 1912.8 | 1851.6 | 1813.2 | 1807.2 | 1804.2 | 1783.2 |
| 40° | 2021.4 | 2042.4 | 2070.0 | 2124.6 | 2157.6 | 2172.0 | 2085.0 | 2007.6 | 1986.6 | 1978.2 | 1945.2 |
| 42.5° | 2197.8 | 2208.6 | 2241.0 | 2303.4 | 2347.2 | 2412.6 | 2354.4 | 2269.2 | 2244.6 | 2208.6 | 2167.2 |
| 45° | 2347.2 | 2354.4 | 2374.8 | 2427.6 | 2519.4 | 2628.6 | 2635.2 | 2575.8 | 2556.6 | 2520.6 | 2460.0 |
| 47.5° | 2447.4 | 2446.8 | 2461.8 | 2513.4 | 2632.8 | 2799.6 | 2898.6 | 2896.2 | 2874.0 | 2861.4 | 2809.8 |
| 50° | 2486.4 | 2485.8 | 2495.4 | 2553.0 | 2683.2 | 2901.6 | 3120.0 | 3195.0 | 3194.4 | 3199.2 | 3172.8 |
| 52.5° | 2493.6 | 2493.0 | 2494.2 | 2540.4 | 2673.0 | 2937.0 | 3279.6 | 3456.6 | 3482.4 | 3514.8 | 3544.2 |
| 55° | 2439.6 | 2445.6 | 2458.8 | 2507.4 | 2634.6 | 2922.6 | 3397.8 | 3702.0 | 3763.8 | 3829.8 | 3936.6 |
| 57.5° | 2314.8 | 2326.2 | 2371.8 | 2458.8 | 2593.8 | 2887.2 | 3480.0 | 4005.6 | 4131.0 | 4290.6 | 4579.8 |
| 60° | 2136.0 | 2146.2 | 2209.2 | 2324.4 | 2475.0 | 2733.0 | 3384.6 | 4132.8 | 4371.0 | 4648.2 | 5241.0 |
| 62.5° | 1819.8 | 1848.6 | 1882.2 | 1963.8 | 2121.6 | 2329.2 | 2956.2 | 3918.0 | 4287.0 | 4693.8 | 5509.8 |
| 65° | 1222.2 | 1210.2 | 1266.0 | 1369.8 | 1543.2 | 1704.6 | 2178.0 | 3231.6 | 3698.4 | 4258.2 | 5268.0 |
| 67.5° | 756.6 | 758.4 | 796.2 | 897.6 | 1028.4 | 1153.8 | 1380.6 | 2059.8 | 2473.8 | 3006.0 | 4220.4 |
| 70° | 625.2 | 632.4 | 663.0 | 757.2 | 868.8 | 1010.4 | 1024.8 | 1092.0 | 1277.4 | 1534.8 | 2607.0 |
| 72.5° | 496.2 | 499.2 | 530.4 | 609.0 | 766.8 | 961.2 | 1216.8 | 829.8 | 815.4 | 854.4 | 1322.4 |
| 75° | 307.8 | 310.2 | 325.8 | 376.2 | 497.4 | 748.8 | 1339.8 | 954.0 | 894.0 | 843.6 | 852.0 |
| 77.5° | 159.0 | 163.8 | 172.2 | 195.0 | 261.0 | 418.2 | 1054.8 | 1209.6 | 1141.2 | 1072.8 | 939.0 |
| 80° | 90.0 | 90.0 | 97.8 | 103.2 | 123.6 | 170.4 | 536.4 | 1309.2 | 1430.4 | 1459.8 | 1311.0 |
| 82.5° | 40.2 | 45.0 | 60.6 | 64.8 | 70.8 | 78.0 | 177.6 | 786.6 | 1091.4 | 1363.2 | 1684.8 |
| 85° | 24.0 | 23.4 | 38.4 | 42.0 | 43.8 | 37.2 | 66.6 | 321.0 | 510.0 | 746.4 | 1116.6 |
| 87.5° | 9.6 | 10.2 | 16.2 | 17.4 | 20.4 | 15.0 | 25.2 | 69.0 | 101.4 | 147.0 | 207.6 |
| 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: CNC-E03-LED-E1-T2

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 856.8 | 856.8 | 856.2 | 855.6 | 855.0 | 853.2 | 852.6 | 851.4 | 850.8 | 849.0 | 848.4 |
| 5° | 891.0 | 889.2 | 888.6 | 887.4 | 886.8 | 884.4 | 884.4 | 882.0 | 880.2 | 877.8 | 877.2 |
| 7.5° | 931.8 | 929.4 | 927.6 | 926.4 | 925.8 | 921.6 | 921.6 | 918.0 | 917.4 | 914.4 | 913.2 |
| 10° | 973.2 | 971.4 | 969.0 | 967.8 | 967.2 | 964.8 | 962.4 | 960.0 | 958.2 | 956.4 | 954.0 |
| 12.5° | 1014.6 | 1011.0 | 1009.8 | 1008.0 | 1006.8 | 1005.0 | 1004.4 | 999.0 | 999.0 | 997.2 | 994.8 |
| 15° | 1054.8 | 1054.2 | 1050.0 | 1049.4 | 1048.2 | 1048.8 | 1045.2 | 1045.8 | 1044.0 | 1041.0 | 1039.8 |
| 17.5° | 1104.0 | 1099.8 | 1101.6 | 1098.6 | 1099.2 | 1098.0 | 1096.8 | 1096.2 | 1097.4 | 1096.8 | 1098.0 |
| 20° | 1165.2 | 1164.0 | 1165.8 | 1161.6 | 1165.8 | 1166.4 | 1165.2 | 1168.2 | 1167.0 | 1168.2 | 1164.6 |
| 22.5° | 1237.8 | 1233.6 | 1233.6 | 1236.6 | 1238.4 | 1243.8 | 1240.8 | 1243.2 | 1245.6 | 1247.4 | 1245.0 |
| 25° | 1311.0 | 1309.8 | 1312.2 | 1314.6 | 1318.2 | 1323.0 | 1321.8 | 1322.4 | 1327.2 | 1330.2 | 1330.8 |
| 27.5° | 1385.4 | 1385.4 | 1392.6 | 1392.6 | 1397.4 | 1402.8 | 1404.6 | 1407.0 | 1410.6 | 1414.8 | 1414.8 |
| 30° | 1462.2 | 1462.2 | 1468.8 | 1474.8 | 1477.2 | 1483.8 | 1487.4 | 1491.0 | 1497.6 | 1498.8 | 1504.2 |
| 32.5° | 1549.8 | 1551.6 | 1558.2 | 1561.8 | 1567.2 | 1575.0 | 1576.2 | 1580.4 | 1588.2 | 1590.6 | 1594.8 |
| 35° | 1663.8 | 1657.8 | 1663.8 | 1670.4 | 1673.4 | 1671.0 | 1684.2 | 1689.6 | 1695.0 | 1698.0 | 1703.4 |
| 37.5° | 1781.4 | 1771.2 | 1771.8 | 1770.6 | 1763.4 | 1767.6 | 1767.6 | 1766.4 | 1770.0 | 1769.4 | 1771.8 |
| 40° | 1930.2 | 1912.2 | 1906.8 | 1895.4 | 1879.8 | 1871.4 | 1862.4 | 1861.2 | 1852.2 | 1855.8 | 1849.2 |
| 42.5° | 2134.2 | 2107.2 | 2092.8 | 2057.4 | 2038.2 | 2015.4 | 1993.2 | 1974.0 | 1963.8 | 1952.4 | 1944.0 |
| 45° | 2414.4 | 2382.6 | 2347.8 | 2290.8 | 2257.8 | 2212.2 | 2182.8 | 2139.0 | 2109.6 | 2085.0 | 2067.6 |
| 47.5° | 2766.0 | 2712.6 | 2684.4 | 2631.0 | 2573.4 | 2504.4 | 2441.4 | 2380.2 | 2330.4 | 2276.4 | 2233.8 |
| 50° | 3174.6 | 3108.0 | 3085.8 | 3015.0 | 2982.6 | 2905.2 | 2838.0 | 2762.4 | 2684.4 | 2602.8 | 2524.8 |
| 52.5° | 3536.4 | 3528.6 | 3537.6 | 3490.2 | 3489.0 | 3450.0 | 3375.6 | 3287.4 | 3214.8 | 3132.6 | 3030.0 |
| 55° | 3970.2 | 4047.6 | 4064.4 | 4057.8 | 4093.2 | 4092.0 | 4084.8 | 4075.8 | 4018.2 | 3901.8 | 3866.4 |
| 57.5° | 4735.8 | 4822.8 | 4951.2 | 5009.4 | 5137.8 | 5152.8 | 5271.6 | 5225.4 | 5313.6 | 5289.6 | 5305.8 |
| 60° | 5515.2 | 5782.2 | 6025.8 | 6211.2 | 6391.2 | 6555.0 | 6755.4 | 6841.2 | 6905.4 | 7005.6 | 7111.2 |
| 62.5° | 5863.8 | 6200.4 | 6490.8 | 6754.8 | 6978.6 | 7186.2 | 7358.4 | 7521.6 | 7650.0 | 7765.2 | 7854.0 |
| 65° | 5722.8 | 6113.4 | 6396.6 | 6672.0 | 6880.8 | 7074.0 | 7245.0 | 7367.4 | 7495.2 | 7599.6 | 7693.8 |
| 67.5° | 4764.6 | 5284.8 | 5654.4 | 5967.0 | 6229.2 | 6449.4 | 6627.0 | 6795.6 | 6886.2 | 7000.2 | 7051.2 |
| 70° | 3156.0 | 3823.2 | 4345.8 | 4768.2 | 5184.0 | 5433.6 | 5644.2 | 5840.4 | 5943.6 | 6036.0 | 6093.0 |
| 72.5° | 1733.4 | 2189.4 | 2747.4 | 3249.6 | 3649.2 | 3976.8 | 4222.2 | 4408.2 | 4514.4 | 4593.6 | 4511.4 |
| 75° | 982.2 | 1207.2 | 1480.2 | 1758.0 | 2061.0 | 2292.0 | 2356.8 | 2436.0 | 2454.6 | 2413.8 | 2308.2 |
| 77.5° | 903.0 | 903.0 | 903.6 | 897.0 | 910.2 | 926.4 | 916.8 | 900.6 | 827.4 | 811.2 | 788.4 |
| 80° | 1174.2 | 1046.4 | 909.6 | 747.0 | 609.0 | 513.6 | 484.2 | 486.6 | 510.0 | 555.6 | 606.0 |
| 82.5° | 1664.4 | 1538.4 | 1341.0 | 1093.2 | 870.0 | 682.8 | 559.8 | 503.4 | 502.8 | 548.4 | 613.8 |
| 85° | 1213.8 | 1224.0 | 1180.2 | 1044.0 | 832.8 | 655.8 | 529.8 | 406.8 | 367.2 | 367.2 | 362.4 |
| 87.5° | 212.4 | 219.0 | 189.0 | 169.2 | 118.2 | 83.4 | 75.0 | 66.0 | 65.4 | 67.8 | 62.4 |
| 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: CNC-E03-LED-E1-T2

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 848.4 | 847.2 | 846.0 | 845.4 | 845.4 | 844.2 | 844.2 | 843.0 | 843.6 | 843.0 | 841.2 |
| 5° | 876.0 | 875.4 | 873.6 | 870.6 | 870.0 | 867.6 | 868.2 | 865.8 | 865.8 | 864.6 | 861.6 |
| 7.5° | 910.8 | 909.6 | 908.4 | 906.0 | 903.6 | 903.6 | 899.4 | 899.4 | 896.4 | 895.2 | 892.8 |
| 10° | 952.2 | 948.6 | 946.8 | 944.4 | 943.8 | 943.2 | 939.0 | 939.0 | 935.4 | 934.8 | 933.0 |
| 12.5° | 993.0 | 990.6 | 988.8 | 987.6 | 984.6 | 984.0 | 982.2 | 980.4 | 978.6 | 977.4 | 976.8 |
| 15° | 1037.4 | 1036.2 | 1034.4 | 1034.4 | 1034.4 | 1031.4 | 1029.6 | 1028.4 | 1028.4 | 1026.6 | 1027.8 |
| 17.5° | 1095.0 | 1096.8 | 1094.4 | 1093.2 | 1091.4 | 1094.4 | 1091.4 | 1091.4 | 1093.2 | 1093.2 | 1089.0 |
| 20° | 1166.4 | 1168.8 | 1166.4 | 1167.0 | 1165.8 | 1166.4 | 1167.0 | 1168.2 | 1170.6 | 1166.4 | 1167.0 |
| 22.5° | 1245.6 | 1246.2 | 1248.0 | 1246.2 | 1249.2 | 1247.4 | 1251.0 | 1254.0 | 1253.4 | 1252.2 | 1252.8 |
| 25° | 1332.0 | 1330.2 | 1330.8 | 1336.2 | 1340.4 | 1339.2 | 1339.8 | 1344.6 | 1343.4 | 1342.2 | 1342.8 |
| 27.5° | 1419.6 | 1418.4 | 1420.2 | 1425.0 | 1429.8 | 1429.2 | 1428.0 | 1431.6 | 1431.6 | 1428.6 | 1429.8 |
| 30° | 1506.6 | 1508.4 | 1511.4 | 1511.4 | 1513.8 | 1516.2 | 1514.4 | 1518.6 | 1519.2 | 1516.8 | 1519.8 |
| 32.5° | 1598.4 | 1602.0 | 1600.8 | 1609.2 | 1609.2 | 1609.8 | 1611.6 | 1611.0 | 1617.0 | 1612.2 | 1614.0 |
| 35° | 1708.8 | 1710.0 | 1717.2 | 1723.2 | 1726.8 | 1729.8 | 1729.8 | 1731.6 | 1734.6 | 1732.2 | 1735.8 |
| 37.5° | 1776.0 | 1778.4 | 1780.8 | 1784.4 | 1784.4 | 1784.4 | 1787.4 | 1788.0 | 1789.8 | 1789.2 | 1790.4 |
| 40° | 1849.8 | 1850.4 | 1851.0 | 1851.6 | 1854.0 | 1855.2 | 1852.2 | 1856.4 | 1853.4 | 1854.6 | 1856.4 |
| 42.5° | 1939.2 | 1930.8 | 1932.0 | 1930.2 | 1934.4 | 1929.0 | 1930.2 | 1935.0 | 1932.6 | 1936.2 | 1936.2 |
| 45° | 2043.0 | 2033.4 | 2025.0 | 2020.2 | 2020.2 | 2013.0 | 2014.2 | 2016.0 | 2019.0 | 2023.8 | 2032.2 |
| 47.5° | 2196.6 | 2163.6 | 2147.4 | 2130.6 | 2122.2 | 2113.2 | 2116.2 | 2116.8 | 2118.0 | 2125.8 | 2146.8 |
| 50° | 2448.0 | 2392.8 | 2350.2 | 2299.2 | 2280.0 | 2264.4 | 2255.4 | 2256.0 | 2256.0 | 2272.2 | 2293.2 |
| 52.5° | 2934.0 | 2831.4 | 2730.0 | 2641.2 | 2565.0 | 2528.4 | 2485.8 | 2475.0 | 2475.6 | 2489.4 | 2503.8 |
| 55° | 3773.4 | 3632.4 | 3525.0 | 3327.6 | 3267.6 | 3099.0 | 3010.2 | 2959.2 | 2919.6 | 2938.8 | 2959.8 |
| 57.5° | 5279.4 | 5149.2 | 5064.0 | 4828.2 | 4613.4 | 4552.2 | 4406.4 | 4288.2 | 4239.6 | 4183.2 | 4186.8 |
| 60° | 7126.8 | 7059.6 | 7038.0 | 6900.0 | 6822.6 | 6582.0 | 6562.8 | 6413.4 | 6272.4 | 6150.6 | 6200.4 |
| 62.5° | 7922.4 | 7953.6 | 7978.8 | 8027.4 | 8046.0 | 8023.2 | 7926.6 | 7860.6 | 7744.8 | 7585.2 | 7487.4 |
| 65° | 7721.4 | 7792.8 | 7900.2 | 8001.6 | 8122.8 | 8223.6 | 8273.4 | 8254.2 | 8149.8 | 7985.4 | 7780.2 |
| 67.5° | 7087.8 | 7160.4 | 7252.8 | 7381.2 | 7566.6 | 7762.8 | 7899.6 | 7986.6 | 7903.8 | 7755.6 | 7546.8 |
| 70° | 6090.0 | 6160.8 | 6163.8 | 6343.2 | 6543.0 | 6790.2 | 7032.6 | 7123.8 | 7029.6 | 6930.6 | 6756.0 |
| 72.5° | 4561.2 | 4518.6 | 4558.2 | 4591.2 | 4705.2 | 4861.2 | 5096.4 | 5086.2 | 4942.2 | 4865.4 | 4597.2 |
| 75° | 2143.8 | 2115.0 | 2073.0 | 2045.4 | 2019.0 | 1963.8 | 1990.2 | 1877.4 | 1838.4 | 1854.0 | 1622.4 |
| 77.5° | 771.0 | 731.4 | 667.8 | 606.0 | 528.0 | 437.4 | 369.0 | 324.0 | 301.8 | 302.4 | 288.6 |
| 80° | 646.8 | 666.0 | 657.0 | 595.8 | 508.2 | 413.4 | 309.6 | 234.6 | 200.4 | 186.0 | 177.0 |
| 82.5° | 701.4 | 798.0 | 846.0 | 808.2 | 682.8 | 525.6 | 338.4 | 204.6 | 150.0 | 128.4 | 123.0 |
| 85° | 388.8 | 389.4 | 377.4 | 360.6 | 319.8 | 219.6 | 146.4 | 97.2 | 78.0 | 69.6 | 67.2 |
| 87.5° | 66.0 | 63.0 | 63.0 | 58.8 | 51.6 | 50.4 | 45.0 | 42.6 | 37.8 | 34.8 | 33.6 |
| 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: P146480

CATALOG NUMBER: CNC-E03-LED-E1-T2

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° | 95° | 96° | 97° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 839.4 | 838.2 | 837.6 | 837.0 | 837.0 | 836.4 | 836.4 | 835.2 | 834.0 | 833.4 | 832.8 |
| 5° | 858.6 | 857.4 | 856.2 | 855.0 | 855.0 | 853.8 | 852.6 | 851.4 | 849.6 | 846.6 | 846.0 |
| 7.5° | 891.0 | 888.6 | 888.6 | 884.4 | 884.4 | 882.0 | 880.2 | 880.2 | 877.8 | 873.0 | 872.4 |
| 10° | 931.2 | 927.0 | 925.2 | 922.8 | 921.6 | 919.2 | 919.2 | 916.8 | 915.6 | 913.8 | 907.8 |
| 12.5° | 974.4 | 971.4 | 970.2 | 967.2 | 965.4 | 965.4 | 964.2 | 960.0 | 963.0 | 958.8 | 955.8 |
| 15° | 1026.6 | 1026.0 | 1020.6 | 1022.4 | 1021.8 | 1021.2 | 1021.8 | 1018.2 | 1017.6 | 1017.6 | 1014.0 |
| 17.5° | 1092.0 | 1087.2 | 1087.8 | 1087.8 | 1089.0 | 1089.0 | 1084.2 | 1086.6 | 1087.2 | 1086.0 | 1084.8 |
| 20° | 1168.8 | 1167.0 | 1168.8 | 1165.2 | 1168.8 | 1168.8 | 1171.2 | 1170.6 | 1171.2 | 1172.4 | 1172.4 |
| 22.5° | 1251.0 | 1255.8 | 1256.4 | 1257.6 | 1253.4 | 1260.6 | 1260.6 | 1261.8 | 1264.8 | 1264.8 | 1266.0 |
| 25° | 1350.6 | 1348.2 | 1345.2 | 1349.4 | 1350.6 | 1355.4 | 1356.6 | 1356.6 | 1361.4 | 1361.4 | 1363.2 |
| 27.5° | 1433.4 | 1435.8 | 1435.2 | 1437.6 | 1436.4 | 1443.0 | 1445.4 | 1452.6 | 1450.8 | 1454.4 | 1459.2 |
| 30° | 1518.6 | 1523.4 | 1521.0 | 1521.6 | 1524.6 | 1528.8 | 1533.6 | 1540.8 | 1542.0 | 1551.6 | 1554.0 |
| 32.5° | 1617.0 | 1620.6 | 1623.6 | 1624.8 | 1624.8 | 1632.0 | 1639.8 | 1642.2 | 1654.8 | 1662.0 | 1670.4 |
| 35° | 1741.8 | 1742.4 | 1744.2 | 1746.0 | 1744.8 | 1752.6 | 1760.4 | 1762.8 | 1776.0 | 1777.8 | 1795.2 |
| 37.5° | 1794.6 | 1795.8 | 1803.0 | 1806.6 | 1809.0 | 1818.6 | 1833.0 | 1843.8 | 1858.2 | 1872.0 | 1891.8 |
| 40° | 1860.6 | 1867.8 | 1874.4 | 1879.8 | 1888.8 | 1902.0 | 1924.2 | 1935.0 | 1956.6 | 1982.4 | 2001.6 |
| 42.5° | 1944.0 | 1957.2 | 1962.0 | 1972.2 | 1994.4 | 2010.6 | 2032.8 | 2056.2 | 2085.0 | 2116.2 | 2139.0 |
| 45° | 2043.0 | 2055.6 | 2073.6 | 2085.0 | 2110.8 | 2136.6 | 2172.0 | 2192.4 | 2221.8 | 2257.8 | 2283.0 |
| 47.5° | 2163.0 | 2180.4 | 2198.4 | 2221.8 | 2252.4 | 2279.4 | 2314.8 | 2341.2 | 2370.6 | 2400.0 | 2427.6 |
| 50° | 2312.4 | 2338.2 | 2362.2 | 2386.8 | 2427.6 | 2450.4 | 2485.2 | 2512.8 | 2540.4 | 2569.8 | 2595.0 |
| 52.5° | 2513.4 | 2552.4 | 2583.0 | 2599.8 | 2655.0 | 2677.8 | 2720.4 | 2739.6 | 2762.4 | 2788.8 | 2821.2 |
| 55° | 2952.0 | 3012.6 | 3064.2 | 3094.2 | 3178.2 | 3208.2 | 3263.4 | 3291.6 | 3276.0 | 3309.6 | 3367.8 |
| 57.5° | 4220.4 | 4294.8 | 4356.6 | 4397.4 | 4483.2 | 4525.2 | 4528.2 | 4633.8 | 4571.4 | 4633.2 | 4642.2 |
| 60° | 6067.8 | 6126.6 | 6111.6 | 6112.2 | 6085.2 | 6046.2 | 6121.2 | 6007.2 | 6055.2 | 6058.2 | 5950.8 |
| 62.5° | 7306.8 | 7216.8 | 7174.8 | 7105.2 | 7024.2 | 6961.8 | 6919.2 | 6827.4 | 6754.2 | 6696.0 | 6582.6 |
| 65° | 7598.4 | 7442.4 | 7304.4 | 7174.2 | 7054.8 | 6972.0 | 6882.0 | 6783.6 | 6669.0 | 6572.4 | 6462.0 |
| 67.5° | 7316.4 | 7098.0 | 6893.4 | 6721.8 | 6558.6 | 6449.4 | 6319.2 | 6225.6 | 6081.6 | 5954.4 | 5870.4 |
| 70° | 6498.6 | 6196.2 | 5957.4 | 5847.6 | 5685.6 | 5451.0 | 5326.8 | 5209.8 | 5121.6 | 5006.4 | 4955.4 |
| 72.5° | 4558.8 | 4185.6 | 4001.4 | 4008.6 | 3844.2 | 3676.2 | 3680.4 | 3609.0 | 3495.0 | 3491.4 | 3474.0 |
| 75° | 1675.2 | 1524.0 | 1417.8 | 1422.6 | 1361.4 | 1296.0 | 1314.0 | 1333.2 | 1296.0 | 1371.6 | 1254.6 |
| 77.5° | 266.4 | 259.2 | 256.8 | 251.4 | 238.2 | 247.8 | 241.2 | 253.8 | 255.6 | 269.4 | 270.6 |
| 80° | 169.8 | 162.6 | 160.8 | 157.8 | 157.2 | 157.2 | 156.0 | 156.0 | 156.0 | 156.6 | 155.4 |
| 82.5° | 113.4 | 109.2 | 108.6 | 106.8 | 109.8 | 110.4 | 111.0 | 115.8 | 120.0 | 121.2 | 126.0 |
| 85° | 61.8 | 58.8 | 58.8 | 57.6 | 60.0 | 60.6 | 66.0 | 72.6 | 81.0 | 84.6 | 92.4 |
| 87.5° | 31.2 | 33.0 | 32.4 | 33.6 | 35.4 | 39.6 | 43.8 | 48.0 | 52.8 | 59.4 | 64.8 |
| 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: P146480

CATALOG NUMBER: CNC-E03-LED-E1-T2

CANDELA DISTRIBUTION (continued):

| | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 831.6 | 831.0 | 831.0 | 829.8 | 829.8 | 829.2 | 828.0 | 826.8 | 821.4 | 814.8 | 810.6 |
| 5° | 844.2 | 843.0 | 842.4 | 841.2 | 839.4 | 839.4 | 837.6 | 835.2 | 825.0 | 814.2 | 807.6 |
| 7.5° | 870.0 | 869.4 | 867.6 | 865.2 | 862.8 | 860.4 | 859.2 | 858.0 | 842.4 | 832.2 | 827.4 |
| 10° | 907.2 | 906.6 | 902.4 | 901.8 | 898.2 | 898.8 | 895.8 | 893.4 | 883.2 | 871.8 | 865.2 |
| 12.5° | 954.6 | 957.0 | 954.6 | 949.2 | 950.4 | 948.6 | 945.6 | 942.6 | 933.6 | 924.6 | 914.4 |
| 15° | 1013.4 | 1010.4 | 1008.0 | 1012.8 | 1008.6 | 1008.0 | 1009.8 | 1010.4 | 999.6 | 990.0 | 975.6 |
| 17.5° | 1086.6 | 1086.6 | 1085.4 | 1086.6 | 1084.2 | 1086.0 | 1084.8 | 1086.0 | 1081.2 | 1068.0 | 1047.0 |
| 20° | 1170.0 | 1174.8 | 1174.8 | 1173.0 | 1172.4 | 1176.0 | 1177.8 | 1171.2 | 1172.4 | 1161.0 | 1123.2 |
| 22.5° | 1267.2 | 1270.8 | 1272.0 | 1270.2 | 1270.8 | 1275.6 | 1278.6 | 1273.8 | 1284.6 | 1266.0 | 1207.8 |
| 25° | 1367.4 | 1372.8 | 1370.4 | 1371.0 | 1375.8 | 1381.2 | 1386.6 | 1381.8 | 1402.8 | 1374.0 | 1297.8 |
| 27.5° | 1466.4 | 1471.2 | 1470.0 | 1473.6 | 1481.4 | 1488.6 | 1494.6 | 1492.8 | 1527.6 | 1489.8 | 1392.6 |
| 30° | 1560.0 | 1571.4 | 1573.8 | 1578.0 | 1587.6 | 1599.6 | 1609.2 | 1608.6 | 1653.6 | 1602.6 | 1470.0 |
| 32.5° | 1675.2 | 1687.8 | 1692.6 | 1701.6 | 1720.2 | 1728.6 | 1740.6 | 1741.8 | 1786.8 | 1701.6 | 1535.4 |
| 35° | 1808.4 | 1821.0 | 1831.2 | 1837.8 | 1858.8 | 1869.0 | 1881.0 | 1886.4 | 1916.4 | 1794.0 | 1581.0 |
| 37.5° | 1911.6 | 1922.4 | 1942.2 | 1956.0 | 1974.6 | 1995.0 | 2008.8 | 2015.4 | 2032.2 | 1873.2 | 1602.0 |
| 40° | 2024.4 | 2047.8 | 2067.0 | 2088.0 | 2108.4 | 2124.6 | 2137.2 | 2147.4 | 2140.8 | 1939.2 | 1593.0 |
| 42.5° | 2167.2 | 2191.8 | 2217.6 | 2235.6 | 2246.4 | 2268.0 | 2274.0 | 2281.2 | 2227.2 | 1969.2 | 1552.2 |
| 45° | 2316.0 | 2335.8 | 2357.4 | 2370.6 | 2385.0 | 2395.8 | 2397.6 | 2398.2 | 2291.4 | 1951.8 | 1478.4 |
| 47.5° | 2459.4 | 2476.2 | 2491.2 | 2498.4 | 2505.6 | 2506.2 | 2503.2 | 2498.4 | 2325.6 | 1893.0 | 1389.6 |
| 50° | 2616.6 | 2626.8 | 2633.4 | 2634.0 | 2640.6 | 2628.0 | 2619.6 | 2597.4 | 2322.0 | 1803.0 | 1296.0 |
| 52.5° | 2842.8 | 2840.4 | 2832.0 | 2831.4 | 2810.4 | 2786.4 | 2770.8 | 2739.0 | 2297.4 | 1705.8 | 1188.0 |
| 55° | 3362.4 | 3339.6 | 3366.0 | 3298.8 | 3243.0 | 3205.8 | 3117.6 | 3053.4 | 2322.0 | 1615.2 | 1063.8 |
| 57.5° | 4611.0 | 4533.0 | 4541.4 | 4432.8 | 4314.0 | 4091.4 | 3960.0 | 3782.4 | 2515.2 | 1564.8 | 907.2 |
| 60° | 5928.0 | 5799.6 | 5678.4 | 5485.8 | 5233.2 | 4950.6 | 4696.2 | 4418.4 | 2707.2 | 1503.0 | 740.4 |
| 62.5° | 6471.6 | 6306.0 | 6095.4 | 5823.6 | 5499.0 | 5148.6 | 4797.0 | 4480.2 | 2601.6 | 1317.0 | 533.4 |
| 65° | 6296.4 | 6098.4 | 5874.0 | 5519.4 | 5151.0 | 4743.6 | 4358.4 | 4023.6 | 2166.6 | 963.0 | 322.2 |
| 67.5° | 5674.2 | 5503.8 | 5227.2 | 4892.4 | 4436.4 | 4027.8 | 3646.8 | 3337.2 | 1597.2 | 595.2 | 184.8 |
| 70° | 4777.8 | 4542.0 | 4305.6 | 3984.0 | 3503.4 | 3118.2 | 2763.6 | 2490.0 | 1013.4 | 294.0 | 136.2 |
| 72.5° | 3297.6 | 3111.0 | 2922.0 | 2634.0 | 2275.2 | 2010.0 | 1705.2 | 1480.2 | 530.4 | 158.4 | 125.4 |
| 75° | 1284.6 | 1264.2 | 1242.6 | 1111.8 | 990.0 | 793.2 | 696.6 | 628.2 | 220.8 | 137.4 | 123.6 |
| 77.5° | 282.0 | 298.8 | 308.4 | 292.2 | 278.4 | 248.4 | 237.6 | 212.4 | 147.6 | 141.0 | 122.4 |
| 80° | 155.4 | 155.4 | 155.4 | 157.2 | 154.2 | 154.2 | 152.4 | 149.4 | 138.0 | 141.0 | 120.0 |
| 82.5° | 127.2 | 129.0 | 131.4 | 132.0 | 131.4 | 132.0 | 130.8 | 130.2 | 135.0 | 141.6 | 114.0 |
| 85° | 97.2 | 103.2 | 106.8 | 111.6 | 116.4 | 119.4 | 120.6 | 121.2 | 124.2 | 134.4 | 99.6 |
| 87.5° | 69.0 | 73.8 | 81.6 | 82.8 | 88.2 | 94.8 | 97.2 | 100.8 | 99.0 | 102.0 | 46.8 |
| 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: P146480

CATALOG NUMBER: CNC-E03-LED-E1-T2

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 833.4 | 833.4 | 833.4 | 833.4 | 833.4 |
| 2.5° | 807.0 | 802.2 | 800.4 | 799.8 | 798.6 |
| 5° | 802.2 | 799.2 | 796.8 | 795.0 | 796.2 |
| 7.5° | 823.8 | 822.0 | 817.8 | 816.6 | 818.4 |
| 10° | 862.2 | 858.0 | 852.0 | 852.6 | 852.0 |
| 12.5° | 910.2 | 898.8 | 889.2 | 885.0 | 882.0 |
| 15° | 959.4 | 937.2 | 917.4 | 908.4 | 904.8 |
| 17.5° | 1014.0 | 976.2 | 945.6 | 929.4 | 926.4 |
| 20° | 1071.6 | 1019.4 | 979.8 | 960.6 | 957.6 |
| 22.5° | 1138.2 | 1066.2 | 1015.8 | 989.4 | 985.2 |
| 25° | 1203.0 | 1108.2 | 1041.0 | 1008.6 | 1003.2 |
| 27.5° | 1261.8 | 1140.0 | 1056.0 | 1017.6 | 1012.2 |
| 30° | 1311.0 | 1165.2 | 1068.6 | 1024.8 | 1018.8 |
| 32.5° | 1343.4 | 1179.0 | 1072.8 | 1025.4 | 1018.2 |
| 35° | 1353.6 | 1170.0 | 1054.8 | 1000.2 | 994.2 |
| 37.5° | 1332.0 | 1133.4 | 1006.8 | 945.0 | 940.2 |
| 40° | 1282.8 | 1065.6 | 931.2 | 867.0 | 861.0 |
| 42.5° | 1206.0 | 979.8 | 843.6 | 775.8 | 770.4 |
| 45° | 1120.8 | 888.0 | 750.6 | 682.8 | 677.4 |
| 47.5° | 1027.8 | 790.8 | 652.8 | 590.4 | 582.0 |
| 50° | 925.8 | 685.2 | 553.2 | 492.0 | 484.2 |
| 52.5° | 806.4 | 570.0 | 447.6 | 392.4 | 387.6 |
| 55° | 666.6 | 454.2 | 356.4 | 316.2 | 311.4 |
| 57.5° | 518.4 | 345.6 | 283.2 | 263.4 | 255.6 |
| 60° | 376.2 | 262.8 | 225.6 | 216.0 | 211.8 |
| 62.5° | 255.6 | 196.2 | 181.8 | 178.8 | 175.8 |
| 65° | 173.4 | 153.6 | 149.4 | 150.0 | 148.2 |
| 67.5° | 136.8 | 129.0 | 126.6 | 127.8 | 127.2 |
| 70° | 120.0 | 114.0 | 113.4 | 114.6 | 114.0 |
| 72.5° | 113.4 | 105.6 | 106.8 | 108.6 | 108.0 |
| 75° | 110.4 | 102.0 | 104.4 | 105.6 | 102.6 |
| 77.5° | 107.4 | 96.6 | 103.8 | 106.2 | 100.2 |
| 80° | 103.2 | 91.8 | 108.6 | 107.4 | 96.0 |
| 82.5° | 94.2 | 81.0 | 106.2 | 97.2 | 86.4 |
| 85° | 76.8 | 60.6 | 119.4 | 85.8 | 63.0 |
| 87.5° | 49.2 | 36.6 | 82.8 | 65.4 | 42.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)