

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: P146481

Luminaire Tested: **CNC-E03-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146481
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-T2-7050
Description: CONCISE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9230.5 lumens
Efficiency: N/A
Efficacy: 122.7 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

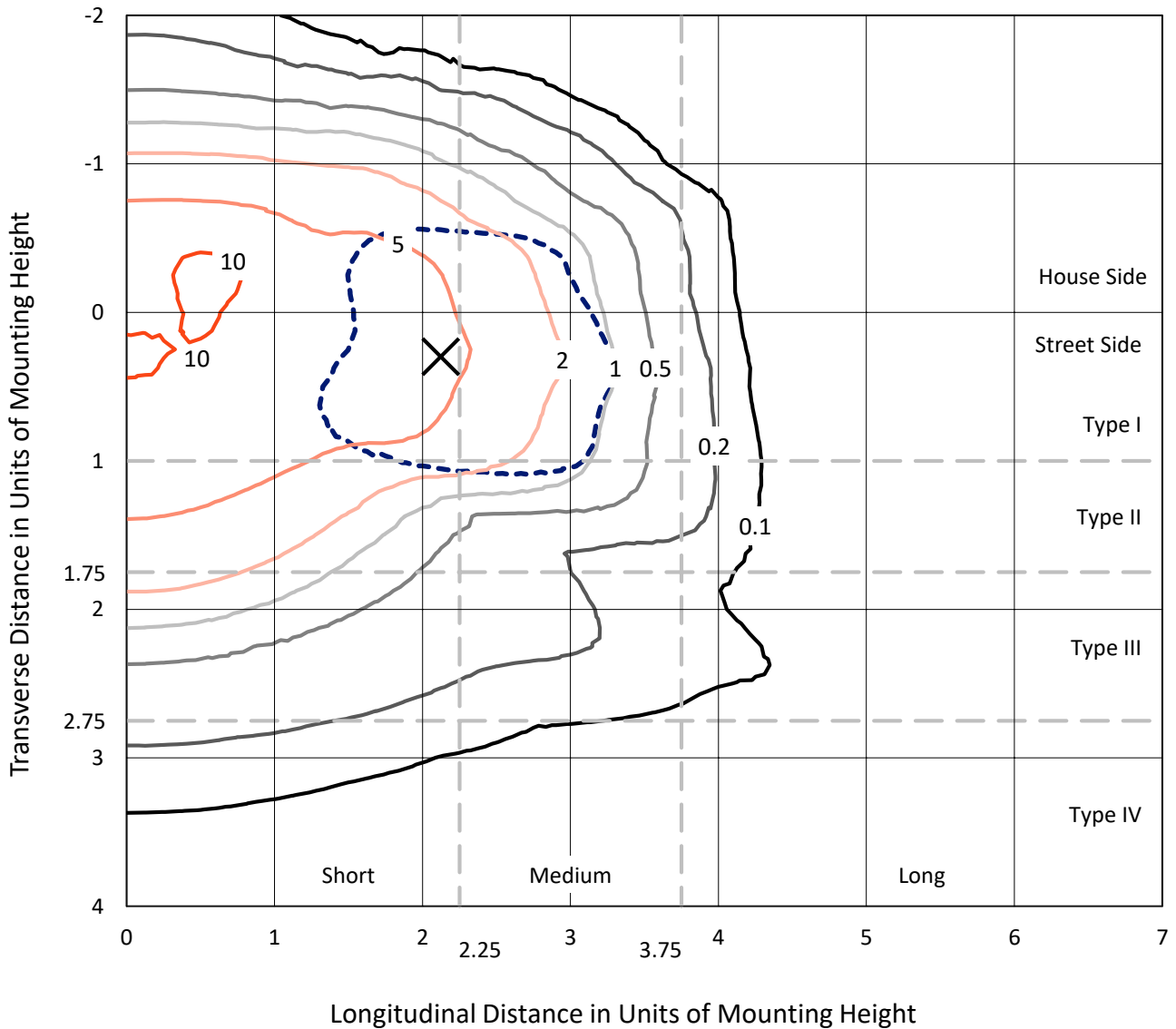
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

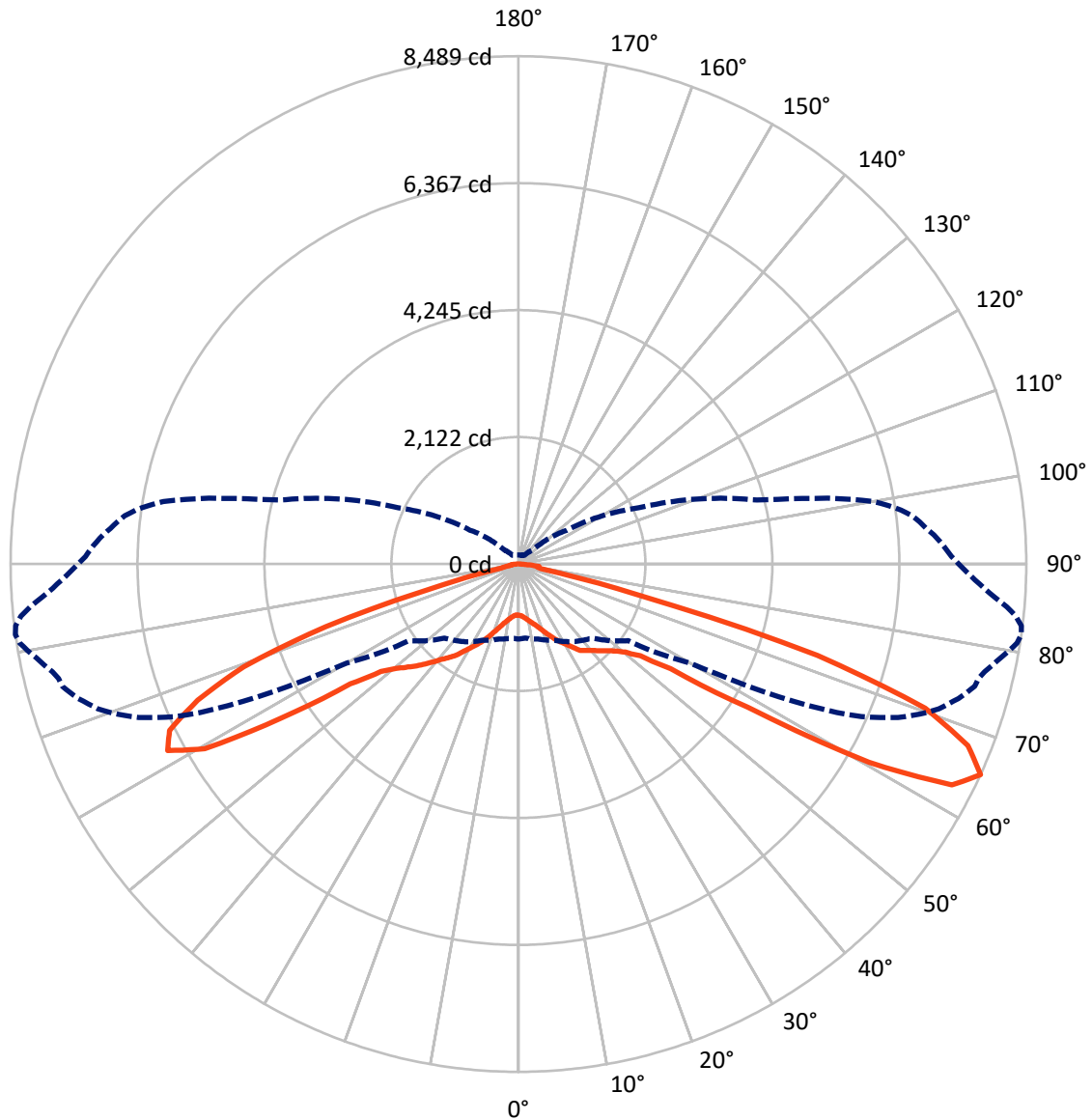
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3397.8 | 0.0 | 3397.8 |
| | % Fixture | 36.8 | 0.0 | 36.8 |
| Street Side | Lumens | 5832.7 | 0.0 | 5832.7 |
| | % Fixture | 63.2 | 0.0 | 63.2 |
| Total | Lumens | 9230.5 | 0.0 | 9230.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.8 | 0.9 |
| 10°-20° | 305.7 | 3.3 |
| 20°-30° | 606.3 | 6.6 |
| 30°-40° | 1034.6 | 11.2 |
| 40°-50° | 1551.3 | 16.8 |
| 50°-60° | 2159.3 | 23.4 |
| 60°-70° | 2480.8 | 26.9 |
| 70°-80° | 856.1 | 9.3 |
| 80°-90° | 149.7 | 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° | 9230.5 | 100.0 |
| 0°-180° | 9230.5 | 100.0 |



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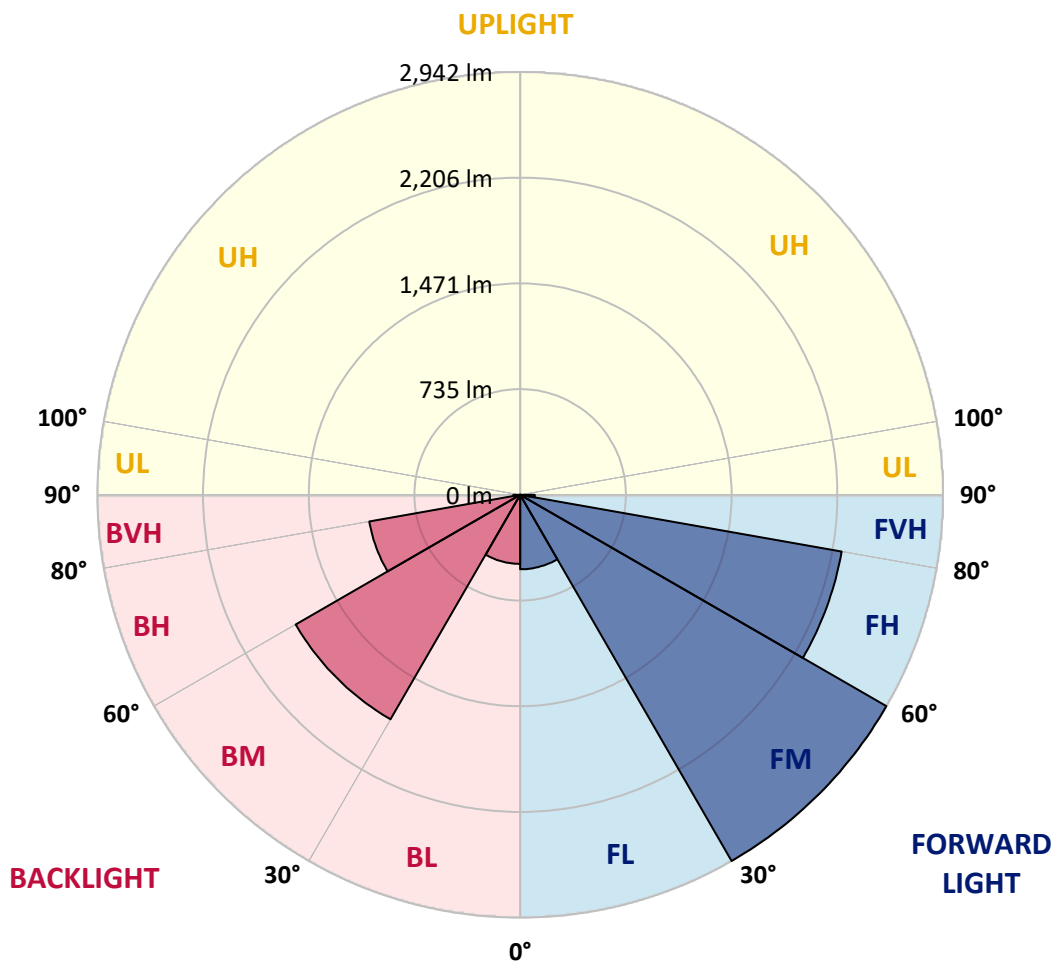
CATALOG NUMBER: CNC-E03-LED-E1-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 518.1 | 5.6 | | | |
| FM | (30°-60°) | 2941.9 | 31.9 | | | |
| FH | (60°-80°) | 2271.0 | 24.6 | | | G2/5000 |
| FVH | (80°-90°) | 101.7 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 480.6 | 5.2 | B1/500 | | |
| BM | (30°-60°) | 1803.3 | 19.5 | B2/2500 | | |
| BH | (60°-80°) | 1065.8 | 11.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 48.0 | 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° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 902.6 | 901.9 | 901.3 | 898.9 | 897.6 | 892.7 | 887.8 | 884.7 | 882.2 | 883.5 | 879.8 |
| 5° | 954.9 | 954.9 | 952.4 | 949.4 | 945.7 | 938.9 | 926.6 | 920.4 | 919.2 | 919.2 | 914.9 |
| 7.5° | 1008.5 | 1012.2 | 1005.4 | 1002.9 | 996.8 | 986.3 | 972.1 | 964.1 | 961.7 | 961.7 | 958.0 |
| 10° | 1076.2 | 1074.3 | 1066.9 | 1062.0 | 1049.7 | 1035.5 | 1016.5 | 1007.2 | 1003.5 | 1006.6 | 1000.5 |
| 12.5° | 1147.6 | 1147.0 | 1135.9 | 1126.7 | 1109.4 | 1086.6 | 1061.4 | 1049.1 | 1046.6 | 1046.6 | 1042.9 |
| 15° | 1220.2 | 1220.9 | 1208.5 | 1191.3 | 1164.2 | 1133.4 | 1105.1 | 1093.4 | 1090.3 | 1089.1 | 1084.8 |
| 17.5° | 1275.7 | 1281.8 | 1269.5 | 1247.3 | 1214.1 | 1180.2 | 1150.1 | 1138.4 | 1137.7 | 1136.5 | 1131.6 |
| 20° | 1307.1 | 1308.3 | 1301.5 | 1285.5 | 1256.0 | 1223.3 | 1202.4 | 1196.8 | 1196.2 | 1196.8 | 1198.1 |
| 22.5° | 1305.8 | 1307.7 | 1305.2 | 1299.0 | 1280.0 | 1262.1 | 1259.6 | 1262.7 | 1264.6 | 1262.7 | 1267.0 |
| 25° | 1296.0 | 1298.4 | 1298.4 | 1301.5 | 1296.6 | 1302.7 | 1322.4 | 1331.1 | 1331.7 | 1332.9 | 1342.1 |
| 27.5° | 1317.5 | 1320.0 | 1319.4 | 1324.9 | 1329.2 | 1350.8 | 1386.5 | 1401.9 | 1403.7 | 1408.0 | 1416.6 |
| 30° | 1417.3 | 1417.9 | 1406.8 | 1406.2 | 1410.5 | 1427.7 | 1464.0 | 1481.9 | 1480.1 | 1488.7 | 1494.2 |
| 32.5° | 1574.9 | 1579.8 | 1568.7 | 1557.0 | 1555.2 | 1557.6 | 1564.4 | 1576.7 | 1574.9 | 1579.2 | 1586.6 |
| 35° | 1754.6 | 1755.3 | 1749.1 | 1755.9 | 1759.6 | 1742.9 | 1710.9 | 1707.8 | 1698.0 | 1699.8 | 1702.3 |
| 37.5° | 1919.6 | 1923.9 | 1935.6 | 1978.7 | 2003.4 | 1962.7 | 1899.9 | 1860.5 | 1854.4 | 1851.3 | 1829.8 |
| 40° | 2074.2 | 2095.7 | 2124.0 | 2180.1 | 2213.9 | 2228.7 | 2139.4 | 2060.0 | 2038.5 | 2029.8 | 1996.0 |
| 42.5° | 2255.2 | 2266.3 | 2299.5 | 2363.5 | 2408.5 | 2475.6 | 2415.9 | 2328.4 | 2303.2 | 2266.3 | 2223.8 |
| 45° | 2408.5 | 2415.9 | 2436.8 | 2491.0 | 2585.2 | 2697.2 | 2704.0 | 2643.0 | 2623.3 | 2586.4 | 2524.2 |
| 47.5° | 2511.3 | 2510.7 | 2526.1 | 2579.0 | 2701.5 | 2872.7 | 2974.3 | 2971.8 | 2949.0 | 2936.1 | 2883.2 |
| 50° | 2551.3 | 2550.7 | 2560.5 | 2619.6 | 2753.2 | 2977.3 | 3201.4 | 3278.4 | 3277.8 | 3282.7 | 3255.6 |
| 52.5° | 2558.7 | 2558.1 | 2559.3 | 2606.7 | 2742.8 | 3013.7 | 3365.2 | 3546.8 | 3573.3 | 3606.6 | 3636.7 |
| 55° | 2503.3 | 2509.4 | 2523.0 | 2572.9 | 2703.4 | 2998.9 | 3486.5 | 3798.6 | 3862.1 | 3929.8 | 4039.4 |
| 57.5° | 2375.2 | 2386.9 | 2433.7 | 2523.0 | 2661.5 | 2962.6 | 3570.8 | 4110.2 | 4238.8 | 4402.6 | 4699.4 |
| 60° | 2191.8 | 2202.2 | 2266.9 | 2385.1 | 2539.6 | 2804.3 | 3473.0 | 4240.7 | 4485.1 | 4769.5 | 5377.8 |
| 62.5° | 1867.3 | 1896.9 | 1931.3 | 2015.1 | 2177.0 | 2390.0 | 3033.4 | 4020.3 | 4398.9 | 4816.3 | 5653.6 |
| 65° | 1254.1 | 1241.8 | 1299.0 | 1405.6 | 1583.5 | 1749.1 | 2234.9 | 3316.0 | 3794.9 | 4369.4 | 5405.5 |
| 67.5° | 776.4 | 778.2 | 817.0 | 921.0 | 1055.2 | 1183.9 | 1416.6 | 2113.6 | 2538.4 | 3084.5 | 4330.6 |
| 70° | 641.5 | 648.9 | 680.3 | 777.0 | 891.5 | 1036.8 | 1051.6 | 1120.5 | 1310.7 | 1574.9 | 2675.1 |
| 72.5° | 509.2 | 512.2 | 544.2 | 624.9 | 786.8 | 986.3 | 1248.6 | 851.5 | 836.7 | 876.7 | 1356.9 |
| 75° | 315.8 | 318.3 | 334.3 | 386.0 | 510.4 | 768.3 | 1374.8 | 978.9 | 917.3 | 865.6 | 874.2 |
| 77.5° | 163.2 | 168.1 | 176.7 | 200.1 | 267.8 | 429.1 | 1082.3 | 1241.2 | 1171.0 | 1100.8 | 963.5 |
| 80° | 92.3 | 92.3 | 100.4 | 105.9 | 126.8 | 174.8 | 550.4 | 1343.4 | 1467.7 | 1497.9 | 1345.2 |
| 82.5° | 41.2 | 46.2 | 62.2 | 66.5 | 72.6 | 80.0 | 182.2 | 807.1 | 1119.9 | 1398.8 | 1728.8 |
| 85° | 24.6 | 24.0 | 39.4 | 43.1 | 44.9 | 38.2 | 68.3 | 329.4 | 523.3 | 765.9 | 1145.7 |
| 87.5° | 9.9 | 10.5 | 16.6 | 17.9 | 20.9 | 15.4 | 25.9 | 70.8 | 104.0 | 150.8 | 213.0 |
| 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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CATALOG NUMBER: CNC-E03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 879.2 | 879.2 | 878.6 | 877.9 | 877.3 | 875.5 | 874.9 | 873.6 | 873.0 | 871.2 | 870.5 |
| 5° | 914.3 | 912.4 | 911.8 | 910.6 | 910.0 | 907.5 | 907.5 | 905.0 | 903.2 | 900.7 | 900.1 |
| 7.5° | 956.1 | 953.7 | 951.8 | 950.6 | 950.0 | 945.7 | 945.7 | 942.0 | 941.3 | 938.3 | 937.0 |
| 10° | 998.6 | 996.8 | 994.3 | 993.1 | 992.4 | 990.0 | 987.5 | 985.1 | 983.2 | 981.4 | 978.9 |
| 12.5° | 1041.1 | 1037.4 | 1036.2 | 1034.3 | 1033.1 | 1031.2 | 1030.6 | 1025.1 | 1025.1 | 1023.2 | 1020.8 |
| 15° | 1082.3 | 1081.7 | 1077.4 | 1076.8 | 1075.6 | 1076.2 | 1072.5 | 1073.1 | 1071.3 | 1068.2 | 1066.9 |
| 17.5° | 1132.8 | 1128.5 | 1130.4 | 1127.3 | 1127.9 | 1126.7 | 1125.4 | 1124.8 | 1126.0 | 1125.4 | 1126.7 |
| 20° | 1195.6 | 1194.4 | 1196.2 | 1191.9 | 1196.2 | 1196.8 | 1195.6 | 1198.7 | 1197.5 | 1198.7 | 1195.0 |
| 22.5° | 1270.1 | 1265.8 | 1265.8 | 1268.9 | 1270.7 | 1276.3 | 1273.2 | 1275.7 | 1278.1 | 1280.0 | 1277.5 |
| 25° | 1345.2 | 1344.0 | 1346.5 | 1348.9 | 1352.6 | 1357.5 | 1356.3 | 1356.9 | 1361.8 | 1364.9 | 1365.5 |
| 27.5° | 1421.6 | 1421.6 | 1429.0 | 1429.0 | 1433.9 | 1439.4 | 1441.3 | 1443.7 | 1447.4 | 1451.7 | 1451.7 |
| 30° | 1500.4 | 1500.4 | 1507.1 | 1513.3 | 1515.8 | 1522.5 | 1526.2 | 1529.9 | 1536.7 | 1537.9 | 1543.5 |
| 32.5° | 1590.3 | 1592.1 | 1598.9 | 1602.6 | 1608.1 | 1616.1 | 1617.3 | 1621.7 | 1629.7 | 1632.1 | 1636.4 |
| 35° | 1707.2 | 1701.1 | 1707.2 | 1714.0 | 1717.1 | 1714.6 | 1728.2 | 1733.7 | 1739.2 | 1742.3 | 1747.9 |
| 37.5° | 1827.9 | 1817.4 | 1818.1 | 1816.8 | 1809.4 | 1813.7 | 1813.7 | 1812.5 | 1816.2 | 1815.6 | 1818.1 |
| 40° | 1980.6 | 1962.1 | 1956.6 | 1944.9 | 1928.9 | 1920.3 | 1911.0 | 1909.8 | 1900.6 | 1904.2 | 1897.5 |
| 42.5° | 2189.9 | 2162.2 | 2147.4 | 2111.1 | 2091.4 | 2068.0 | 2045.2 | 2025.5 | 2015.1 | 2003.4 | 1994.7 |
| 45° | 2477.4 | 2444.8 | 2409.1 | 2350.6 | 2316.7 | 2270.0 | 2239.8 | 2194.8 | 2164.7 | 2139.4 | 2121.6 |
| 47.5° | 2838.2 | 2783.4 | 2754.5 | 2699.7 | 2640.6 | 2569.8 | 2505.1 | 2442.3 | 2391.2 | 2335.8 | 2292.1 |
| 50° | 3257.5 | 3189.1 | 3166.4 | 3093.7 | 3060.5 | 2981.0 | 2912.1 | 2834.5 | 2754.5 | 2670.7 | 2590.7 |
| 52.5° | 3628.7 | 3620.7 | 3630.0 | 3581.3 | 3580.1 | 3540.1 | 3463.7 | 3373.2 | 3298.7 | 3214.4 | 3109.1 |
| 55° | 4073.8 | 4153.3 | 4170.5 | 4163.7 | 4200.1 | 4198.8 | 4191.4 | 4182.2 | 4123.1 | 4003.7 | 3967.3 |
| 57.5° | 4859.4 | 4948.7 | 5080.5 | 5140.2 | 5271.9 | 5287.3 | 5409.2 | 5361.8 | 5452.3 | 5427.7 | 5444.3 |
| 60° | 5659.2 | 5933.1 | 6183.1 | 6373.3 | 6558.0 | 6726.1 | 6931.8 | 7019.8 | 7085.7 | 7188.5 | 7296.8 |
| 62.5° | 6016.9 | 6362.3 | 6660.2 | 6931.1 | 7160.8 | 7373.8 | 7550.5 | 7718.0 | 7849.7 | 7967.9 | 8059.0 |
| 65° | 5872.2 | 6273.0 | 6563.6 | 6846.2 | 7060.4 | 7258.7 | 7434.1 | 7559.7 | 7690.9 | 7798.0 | 7894.7 |
| 67.5° | 4889.0 | 5422.8 | 5802.0 | 6122.8 | 6391.8 | 6617.8 | 6800.0 | 6973.0 | 7066.0 | 7182.9 | 7235.3 |
| 70° | 3238.4 | 3923.0 | 4459.2 | 4892.7 | 5319.3 | 5575.4 | 5791.5 | 5992.9 | 6098.8 | 6193.6 | 6252.1 |
| 72.5° | 1778.7 | 2246.6 | 2819.1 | 3334.4 | 3744.5 | 4080.6 | 4332.4 | 4523.3 | 4632.3 | 4713.5 | 4629.2 |
| 75° | 1007.8 | 1238.7 | 1518.8 | 1803.9 | 2114.8 | 2351.8 | 2418.3 | 2499.6 | 2518.7 | 2476.8 | 2368.5 |
| 77.5° | 926.6 | 926.6 | 927.2 | 920.4 | 934.0 | 950.6 | 940.7 | 924.1 | 849.0 | 832.4 | 809.0 |
| 80° | 1204.9 | 1073.7 | 933.3 | 766.5 | 624.9 | 527.0 | 496.8 | 499.3 | 523.3 | 570.1 | 621.8 |
| 82.5° | 1707.8 | 1578.6 | 1376.0 | 1121.7 | 892.7 | 700.6 | 574.4 | 516.5 | 515.9 | 562.7 | 629.8 |
| 85° | 1245.5 | 1256.0 | 1211.0 | 1071.3 | 854.5 | 672.9 | 543.6 | 417.4 | 376.8 | 376.8 | 371.9 |
| 87.5° | 217.9 | 224.7 | 193.9 | 173.6 | 121.3 | 85.6 | 77.0 | 67.7 | 67.1 | 69.6 | 64.0 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 870.5 | 869.3 | 868.1 | 867.5 | 867.5 | 866.2 | 866.2 | 865.0 | 865.6 | 865.0 | 863.2 |
| 5° | 898.9 | 898.3 | 896.4 | 893.3 | 892.7 | 890.2 | 890.9 | 888.4 | 888.4 | 887.2 | 884.1 |
| 7.5° | 934.6 | 933.3 | 932.1 | 929.7 | 927.2 | 927.2 | 922.9 | 922.9 | 919.8 | 918.6 | 916.1 |
| 10° | 977.1 | 973.4 | 971.5 | 969.1 | 968.4 | 967.8 | 963.5 | 963.5 | 959.8 | 959.2 | 957.4 |
| 12.5° | 1018.9 | 1016.5 | 1014.6 | 1013.4 | 1010.3 | 1009.7 | 1007.8 | 1006.0 | 1004.1 | 1002.9 | 1002.3 |
| 15° | 1064.5 | 1063.3 | 1061.4 | 1061.4 | 1061.4 | 1058.3 | 1056.5 | 1055.2 | 1055.2 | 1053.4 | 1054.6 |
| 17.5° | 1123.6 | 1125.4 | 1123.0 | 1121.7 | 1119.9 | 1123.0 | 1119.9 | 1119.9 | 1121.7 | 1121.7 | 1117.4 |
| 20° | 1196.8 | 1199.3 | 1196.8 | 1197.5 | 1196.2 | 1196.8 | 1197.5 | 1198.7 | 1201.2 | 1196.8 | 1197.5 |
| 22.5° | 1278.1 | 1278.7 | 1280.6 | 1278.7 | 1281.8 | 1280.0 | 1283.7 | 1286.7 | 1286.1 | 1284.9 | 1285.5 |
| 25° | 1366.8 | 1364.9 | 1365.5 | 1371.1 | 1375.4 | 1374.2 | 1374.8 | 1379.7 | 1378.5 | 1377.2 | 1377.9 |
| 27.5° | 1456.7 | 1455.4 | 1457.3 | 1462.2 | 1467.1 | 1466.5 | 1465.3 | 1469.0 | 1469.0 | 1465.9 | 1467.1 |
| 30° | 1545.9 | 1547.8 | 1550.9 | 1550.9 | 1553.3 | 1555.8 | 1553.9 | 1558.2 | 1558.9 | 1556.4 | 1559.5 |
| 32.5° | 1640.1 | 1643.8 | 1642.6 | 1651.2 | 1651.2 | 1651.8 | 1653.7 | 1653.1 | 1659.2 | 1654.3 | 1656.1 |
| 35° | 1753.4 | 1754.6 | 1762.0 | 1768.2 | 1771.9 | 1775.0 | 1775.0 | 1776.8 | 1779.9 | 1777.4 | 1781.1 |
| 37.5° | 1822.4 | 1824.8 | 1827.3 | 1831.0 | 1831.0 | 1831.0 | 1834.1 | 1834.7 | 1836.5 | 1835.9 | 1837.1 |
| 40° | 1898.1 | 1898.7 | 1899.3 | 1899.9 | 1902.4 | 1903.6 | 1900.6 | 1904.9 | 1901.8 | 1903.0 | 1904.9 |
| 42.5° | 1989.8 | 1981.2 | 1982.4 | 1980.6 | 1984.9 | 1979.4 | 1980.6 | 1985.5 | 1983.1 | 1986.7 | 1986.7 |
| 45° | 2096.3 | 2086.5 | 2077.9 | 2072.9 | 2072.9 | 2065.6 | 2066.8 | 2068.6 | 2071.7 | 2076.6 | 2085.3 |
| 47.5° | 2253.9 | 2220.1 | 2203.5 | 2186.2 | 2177.6 | 2168.4 | 2171.4 | 2172.1 | 2173.3 | 2181.3 | 2202.8 |
| 50° | 2511.9 | 2455.3 | 2411.6 | 2359.2 | 2339.5 | 2323.5 | 2314.3 | 2314.9 | 2314.9 | 2331.5 | 2353.1 |
| 52.5° | 3010.6 | 2905.3 | 2801.3 | 2710.1 | 2632.0 | 2594.4 | 2550.7 | 2539.6 | 2540.2 | 2554.4 | 2569.2 |
| 55° | 3871.9 | 3727.2 | 3617.0 | 3414.5 | 3352.9 | 3179.9 | 3088.8 | 3036.5 | 2995.8 | 3015.5 | 3037.1 |
| 57.5° | 5417.2 | 5283.6 | 5196.2 | 4954.2 | 4733.8 | 4671.0 | 4521.4 | 4400.1 | 4350.3 | 4292.4 | 4296.1 |
| 60° | 7312.8 | 7243.9 | 7221.7 | 7080.1 | 7000.7 | 6753.8 | 6734.1 | 6580.8 | 6436.1 | 6311.2 | 6362.3 |
| 62.5° | 8129.2 | 8161.2 | 8187.1 | 8237.0 | 8256.0 | 8232.6 | 8133.5 | 8065.8 | 7947.0 | 7783.2 | 7682.9 |
| 65° | 7923.0 | 7996.2 | 8106.4 | 8210.5 | 8334.8 | 8438.3 | 8489.4 | 8469.7 | 8362.6 | 8193.9 | 7983.3 |
| 67.5° | 7272.8 | 7347.3 | 7442.1 | 7573.9 | 7764.1 | 7965.5 | 8105.8 | 8195.1 | 8110.1 | 7958.1 | 7743.8 |
| 70° | 6249.0 | 6321.6 | 6324.7 | 6508.8 | 6713.8 | 6967.5 | 7216.2 | 7309.8 | 7213.1 | 7111.5 | 6932.4 |
| 72.5° | 4680.3 | 4636.6 | 4677.2 | 4711.1 | 4828.0 | 4988.1 | 5229.4 | 5219.0 | 5071.2 | 4992.4 | 4717.2 |
| 75° | 2199.8 | 2170.2 | 2127.1 | 2098.8 | 2071.7 | 2015.1 | 2042.2 | 1926.4 | 1886.4 | 1902.4 | 1664.8 |
| 77.5° | 791.1 | 750.5 | 685.2 | 621.8 | 541.8 | 448.8 | 378.6 | 332.5 | 309.7 | 310.3 | 296.1 |
| 80° | 663.7 | 683.4 | 674.2 | 611.4 | 521.5 | 424.2 | 317.7 | 240.7 | 205.6 | 190.9 | 181.6 |
| 82.5° | 719.7 | 818.8 | 868.1 | 829.3 | 700.6 | 539.3 | 347.2 | 209.9 | 153.9 | 131.8 | 126.2 |
| 85° | 398.9 | 399.6 | 387.3 | 370.0 | 328.1 | 225.3 | 150.2 | 99.7 | 80.0 | 71.4 | 69.0 |
| 87.5° | 67.7 | 64.6 | 64.6 | 60.3 | 52.9 | 51.7 | 46.2 | 43.7 | 38.8 | 35.7 | 34.5 |
| 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: P146481

CATALOG NUMBER: CNC-E03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° | 95° | 96° | 97° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 861.3 | 860.1 | 859.5 | 858.9 | 858.9 | 858.2 | 858.2 | 857.0 | 855.8 | 855.2 | 854.5 |
| 5° | 881.0 | 879.8 | 878.6 | 877.3 | 877.3 | 876.1 | 874.9 | 873.6 | 871.8 | 868.7 | 868.1 |
| 7.5° | 914.3 | 911.8 | 911.8 | 907.5 | 907.5 | 905.0 | 903.2 | 903.2 | 900.7 | 895.8 | 895.2 |
| 10° | 955.5 | 951.2 | 949.4 | 946.9 | 945.7 | 943.2 | 943.2 | 940.7 | 939.5 | 937.7 | 931.5 |
| 12.5° | 999.8 | 996.8 | 995.5 | 992.4 | 990.6 | 990.6 | 989.4 | 985.1 | 988.1 | 983.8 | 980.8 |
| 15° | 1053.4 | 1052.8 | 1047.2 | 1049.1 | 1048.5 | 1047.9 | 1048.5 | 1044.8 | 1044.2 | 1044.2 | 1040.5 |
| 17.5° | 1120.5 | 1115.6 | 1116.2 | 1116.2 | 1117.4 | 1117.4 | 1112.5 | 1115.0 | 1115.6 | 1114.4 | 1113.1 |
| 20° | 1199.3 | 1197.5 | 1199.3 | 1195.6 | 1199.3 | 1199.3 | 1201.8 | 1201.2 | 1201.8 | 1203.0 | 1203.0 |
| 22.5° | 1283.7 | 1288.6 | 1289.2 | 1290.4 | 1286.1 | 1293.5 | 1293.5 | 1294.7 | 1297.8 | 1297.8 | 1299.0 |
| 25° | 1385.9 | 1383.4 | 1380.3 | 1384.6 | 1385.9 | 1390.8 | 1392.0 | 1392.0 | 1396.9 | 1396.9 | 1398.8 |
| 27.5° | 1470.8 | 1473.3 | 1472.7 | 1475.1 | 1473.9 | 1480.7 | 1483.1 | 1490.5 | 1488.7 | 1492.4 | 1497.3 |
| 30° | 1558.2 | 1563.2 | 1560.7 | 1561.3 | 1564.4 | 1568.7 | 1573.6 | 1581.0 | 1582.3 | 1592.1 | 1594.6 |
| 32.5° | 1659.2 | 1662.9 | 1666.0 | 1667.2 | 1667.2 | 1674.6 | 1682.6 | 1685.1 | 1698.0 | 1705.4 | 1714.0 |
| 35° | 1787.3 | 1787.9 | 1789.7 | 1791.6 | 1790.3 | 1798.4 | 1806.4 | 1808.8 | 1822.4 | 1824.2 | 1842.1 |
| 37.5° | 1841.4 | 1842.7 | 1850.1 | 1853.8 | 1856.2 | 1866.1 | 1880.9 | 1891.9 | 1906.7 | 1920.9 | 1941.2 |
| 40° | 1909.2 | 1916.6 | 1923.3 | 1928.9 | 1938.1 | 1951.7 | 1974.4 | 1985.5 | 2007.7 | 2034.2 | 2053.9 |
| 42.5° | 1994.7 | 2008.3 | 2013.2 | 2023.7 | 2046.5 | 2063.1 | 2085.9 | 2109.9 | 2139.4 | 2171.4 | 2194.8 |
| 45° | 2096.3 | 2109.3 | 2127.7 | 2139.4 | 2165.9 | 2192.4 | 2228.7 | 2249.6 | 2279.8 | 2316.7 | 2342.6 |
| 47.5° | 2219.5 | 2237.3 | 2255.8 | 2279.8 | 2311.2 | 2338.9 | 2375.2 | 2402.3 | 2432.5 | 2462.7 | 2491.0 |
| 50° | 2372.8 | 2399.2 | 2423.9 | 2449.1 | 2491.0 | 2514.4 | 2550.1 | 2578.4 | 2606.7 | 2636.9 | 2662.7 |
| 52.5° | 2579.0 | 2619.0 | 2650.4 | 2667.7 | 2724.3 | 2747.7 | 2791.4 | 2811.1 | 2834.5 | 2861.6 | 2894.8 |
| 55° | 3029.1 | 3091.2 | 3144.2 | 3175.0 | 3261.2 | 3292.0 | 3348.6 | 3377.5 | 3361.5 | 3396.0 | 3455.7 |
| 57.5° | 4330.6 | 4406.9 | 4470.3 | 4512.2 | 4600.2 | 4643.3 | 4646.4 | 4754.8 | 4690.7 | 4754.2 | 4763.4 |
| 60° | 6226.2 | 6286.5 | 6271.1 | 6271.8 | 6244.1 | 6204.0 | 6281.0 | 6164.0 | 6213.3 | 6216.4 | 6106.1 |
| 62.5° | 7497.5 | 7405.2 | 7362.1 | 7290.7 | 7207.6 | 7143.5 | 7099.8 | 7005.6 | 6930.5 | 6870.8 | 6754.4 |
| 65° | 7796.8 | 7636.7 | 7495.1 | 7361.5 | 7239.0 | 7154.0 | 7061.7 | 6960.7 | 6843.1 | 6744.0 | 6630.7 |
| 67.5° | 7507.4 | 7283.3 | 7073.4 | 6897.3 | 6729.8 | 6617.8 | 6484.2 | 6388.1 | 6240.4 | 6109.8 | 6023.6 |
| 70° | 6668.2 | 6358.0 | 6112.9 | 6000.3 | 5834.0 | 5593.3 | 5465.9 | 5345.8 | 5255.3 | 5137.1 | 5084.8 |
| 72.5° | 4677.8 | 4294.9 | 4105.9 | 4113.2 | 3944.6 | 3772.2 | 3776.5 | 3703.2 | 3586.2 | 3582.5 | 3564.7 |
| 75° | 1718.9 | 1563.8 | 1454.8 | 1459.7 | 1396.9 | 1329.8 | 1348.3 | 1368.0 | 1329.8 | 1407.4 | 1287.4 |
| 77.5° | 273.4 | 266.0 | 263.5 | 258.0 | 244.4 | 254.3 | 247.5 | 260.4 | 262.3 | 276.4 | 277.7 |
| 80° | 174.2 | 166.8 | 165.0 | 161.9 | 161.3 | 161.3 | 160.1 | 160.1 | 160.1 | 160.7 | 159.5 |
| 82.5° | 116.4 | 112.1 | 111.4 | 109.6 | 112.7 | 113.3 | 113.9 | 118.8 | 123.1 | 124.4 | 129.3 |
| 85° | 63.4 | 60.3 | 60.3 | 59.1 | 61.6 | 62.2 | 67.7 | 74.5 | 83.1 | 86.8 | 94.8 |
| 87.5° | 32.0 | 33.9 | 33.2 | 34.5 | 36.3 | 40.6 | 44.9 | 49.3 | 54.2 | 61.0 | 66.5 |
| 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: P146481

CATALOG NUMBER: CNC-E03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 853.3 | 852.7 | 852.7 | 851.5 | 851.5 | 850.8 | 849.6 | 848.4 | 842.8 | 836.1 | 831.8 |
| 5° | 866.2 | 865.0 | 864.4 | 863.2 | 861.3 | 861.3 | 859.5 | 857.0 | 846.5 | 835.5 | 828.7 |
| 7.5° | 892.7 | 892.1 | 890.2 | 887.8 | 885.3 | 882.9 | 881.6 | 880.4 | 864.4 | 853.9 | 849.0 |
| 10° | 930.9 | 930.3 | 926.0 | 925.3 | 921.6 | 922.3 | 919.2 | 916.7 | 906.3 | 894.6 | 887.8 |
| 12.5° | 979.5 | 982.0 | 979.5 | 974.0 | 975.2 | 973.4 | 970.3 | 967.2 | 958.0 | 948.7 | 938.3 |
| 15° | 1039.9 | 1036.8 | 1034.3 | 1039.2 | 1034.9 | 1034.3 | 1036.2 | 1036.8 | 1025.7 | 1015.8 | 1001.1 |
| 17.5° | 1115.0 | 1115.0 | 1113.7 | 1115.0 | 1112.5 | 1114.4 | 1113.1 | 1114.4 | 1109.4 | 1095.9 | 1074.3 |
| 20° | 1200.5 | 1205.5 | 1205.5 | 1203.6 | 1203.0 | 1206.7 | 1208.5 | 1201.8 | 1203.0 | 1191.3 | 1152.5 |
| 22.5° | 1300.3 | 1304.0 | 1305.2 | 1303.4 | 1304.0 | 1308.9 | 1312.0 | 1307.1 | 1318.1 | 1299.0 | 1239.3 |
| 25° | 1403.1 | 1408.6 | 1406.2 | 1406.8 | 1411.7 | 1417.3 | 1422.8 | 1417.9 | 1439.4 | 1409.9 | 1331.7 |
| 27.5° | 1504.7 | 1509.6 | 1508.4 | 1512.1 | 1520.1 | 1527.5 | 1533.6 | 1531.8 | 1567.5 | 1528.7 | 1429.0 |
| 30° | 1600.7 | 1612.4 | 1614.9 | 1619.2 | 1629.0 | 1641.4 | 1651.2 | 1650.6 | 1696.8 | 1644.4 | 1508.4 |
| 32.5° | 1718.9 | 1731.9 | 1736.8 | 1746.0 | 1765.1 | 1773.7 | 1786.0 | 1787.3 | 1833.4 | 1746.0 | 1575.5 |
| 35° | 1855.6 | 1868.5 | 1879.0 | 1885.8 | 1907.3 | 1917.8 | 1930.1 | 1935.6 | 1966.4 | 1840.8 | 1622.3 |
| 37.5° | 1961.5 | 1972.6 | 1992.9 | 2007.1 | 2026.1 | 2047.1 | 2061.2 | 2068.0 | 2085.3 | 1922.1 | 1643.8 |
| 40° | 2077.2 | 2101.3 | 2121.0 | 2142.5 | 2163.4 | 2180.1 | 2193.0 | 2203.5 | 2196.7 | 1989.8 | 1634.6 |
| 42.5° | 2223.8 | 2249.0 | 2275.5 | 2294.0 | 2305.0 | 2327.2 | 2333.4 | 2340.8 | 2285.3 | 2020.6 | 1592.7 |
| 45° | 2376.5 | 2396.8 | 2418.9 | 2432.5 | 2447.3 | 2458.3 | 2460.2 | 2460.8 | 2351.2 | 2002.8 | 1517.0 |
| 47.5° | 2523.6 | 2540.8 | 2556.2 | 2563.6 | 2571.0 | 2571.6 | 2568.5 | 2563.6 | 2386.3 | 1942.4 | 1425.9 |
| 50° | 2684.9 | 2695.4 | 2702.1 | 2702.8 | 2709.5 | 2696.6 | 2688.0 | 2665.2 | 2382.6 | 1850.1 | 1329.8 |
| 52.5° | 2917.0 | 2914.5 | 2905.9 | 2905.3 | 2883.8 | 2859.1 | 2843.1 | 2810.5 | 2357.4 | 1750.3 | 1219.0 |
| 55° | 3450.2 | 3426.8 | 3453.9 | 3384.9 | 3327.7 | 3289.5 | 3199.0 | 3133.1 | 2382.6 | 1657.4 | 1091.6 |
| 57.5° | 4731.4 | 4651.3 | 4660.0 | 4548.5 | 4426.6 | 4198.2 | 4063.4 | 3881.1 | 2580.9 | 1605.6 | 930.9 |
| 60° | 6082.8 | 5951.0 | 5826.6 | 5629.0 | 5369.8 | 5079.8 | 4818.8 | 4533.7 | 2777.9 | 1542.2 | 759.7 |
| 62.5° | 6640.5 | 6470.6 | 6254.5 | 5975.6 | 5642.6 | 5283.0 | 4922.2 | 4597.2 | 2669.5 | 1351.4 | 547.3 |
| 65° | 6460.8 | 6257.6 | 6027.3 | 5663.5 | 5285.5 | 4867.4 | 4472.2 | 4128.6 | 2223.2 | 988.1 | 330.6 |
| 67.5° | 5822.3 | 5647.5 | 5363.7 | 5020.1 | 4552.2 | 4132.9 | 3742.0 | 3424.3 | 1638.9 | 610.7 | 189.6 |
| 70° | 4902.5 | 4660.6 | 4418.0 | 4088.0 | 3594.9 | 3199.6 | 2835.7 | 2555.0 | 1039.9 | 301.7 | 139.8 |
| 72.5° | 3383.7 | 3192.2 | 2998.3 | 2702.8 | 2334.6 | 2062.5 | 1749.7 | 1518.8 | 544.2 | 162.5 | 128.7 |
| 75° | 1318.1 | 1297.2 | 1275.0 | 1140.8 | 1015.8 | 813.9 | 714.8 | 644.6 | 226.6 | 141.0 | 126.8 |
| 77.5° | 289.4 | 306.6 | 316.5 | 299.8 | 285.7 | 254.9 | 243.8 | 217.9 | 151.5 | 144.7 | 125.6 |
| 80° | 159.5 | 159.5 | 159.5 | 161.3 | 158.2 | 158.2 | 156.4 | 153.3 | 141.6 | 144.7 | 123.1 |
| 82.5° | 130.5 | 132.4 | 134.8 | 135.4 | 134.8 | 135.4 | 134.2 | 133.6 | 138.5 | 145.3 | 117.0 |
| 85° | 99.7 | 105.9 | 109.6 | 114.5 | 119.4 | 122.5 | 123.7 | 124.4 | 127.4 | 137.9 | 102.2 |
| 87.5° | 70.8 | 75.7 | 83.7 | 85.0 | 90.5 | 97.3 | 99.7 | 103.4 | 101.6 | 104.7 | 48.0 |
| 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: P146481

CATALOG NUMBER: CNC-E03-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 855.2 | 855.2 | 855.2 | 855.2 | 855.2 |
| 2.5° | 828.1 | 823.1 | 821.3 | 820.7 | 819.4 |
| 5° | 823.1 | 820.1 | 817.6 | 815.8 | 817.0 |
| 7.5° | 845.3 | 843.5 | 839.1 | 837.9 | 839.8 |
| 10° | 884.7 | 880.4 | 874.2 | 874.9 | 874.2 |
| 12.5° | 934.0 | 922.3 | 912.4 | 908.1 | 905.0 |
| 15° | 984.4 | 961.7 | 941.3 | 932.1 | 928.4 |
| 17.5° | 1040.5 | 1001.7 | 970.3 | 953.7 | 950.6 |
| 20° | 1099.6 | 1046.0 | 1005.4 | 985.7 | 982.6 |
| 22.5° | 1167.9 | 1094.0 | 1042.3 | 1015.2 | 1010.9 |
| 25° | 1234.4 | 1137.1 | 1068.2 | 1034.9 | 1029.4 |
| 27.5° | 1294.7 | 1169.8 | 1083.6 | 1044.2 | 1038.6 |
| 30° | 1345.2 | 1195.6 | 1096.5 | 1051.6 | 1045.4 |
| 32.5° | 1378.5 | 1209.8 | 1100.8 | 1052.2 | 1044.8 |
| 35° | 1388.9 | 1200.5 | 1082.3 | 1026.3 | 1020.2 |
| 37.5° | 1366.8 | 1163.0 | 1033.1 | 969.7 | 964.7 |
| 40° | 1316.3 | 1093.4 | 955.5 | 889.6 | 883.5 |
| 42.5° | 1237.5 | 1005.4 | 865.6 | 796.1 | 790.5 |
| 45° | 1150.1 | 911.2 | 770.2 | 700.6 | 695.1 |
| 47.5° | 1054.6 | 811.4 | 669.8 | 605.8 | 597.2 |
| 50° | 950.0 | 703.1 | 567.6 | 504.8 | 496.8 |
| 52.5° | 827.5 | 584.9 | 459.3 | 402.6 | 397.7 |
| 55° | 684.0 | 466.1 | 365.7 | 324.5 | 319.5 |
| 57.5° | 531.9 | 354.6 | 290.6 | 270.3 | 262.3 |
| 60° | 386.0 | 269.7 | 231.5 | 221.6 | 217.3 |
| 62.5° | 262.3 | 201.3 | 186.5 | 183.5 | 180.4 |
| 65° | 177.9 | 157.6 | 153.3 | 153.9 | 152.1 |
| 67.5° | 140.4 | 132.4 | 129.9 | 131.1 | 130.5 |
| 70° | 123.1 | 117.0 | 116.4 | 117.6 | 117.0 |
| 72.5° | 116.4 | 108.4 | 109.6 | 111.4 | 110.8 |
| 75° | 113.3 | 104.7 | 107.1 | 108.4 | 105.3 |
| 77.5° | 110.2 | 99.1 | 106.5 | 109.0 | 102.8 |
| 80° | 105.9 | 94.2 | 111.4 | 110.2 | 98.5 |
| 82.5° | 96.7 | 83.1 | 109.0 | 99.7 | 88.7 |
| 85° | 78.8 | 62.2 | 122.5 | 88.0 | 64.6 |
| 87.5° | 50.5 | 37.6 | 85.0 | 67.1 | 43.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)