

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: NEO-RAY

Report Number: P332675

Luminaire Tested: **S124DIP-S1195D365U835-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332675
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S1195D365U835-4F0-1E-UDD-D4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6170.2 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

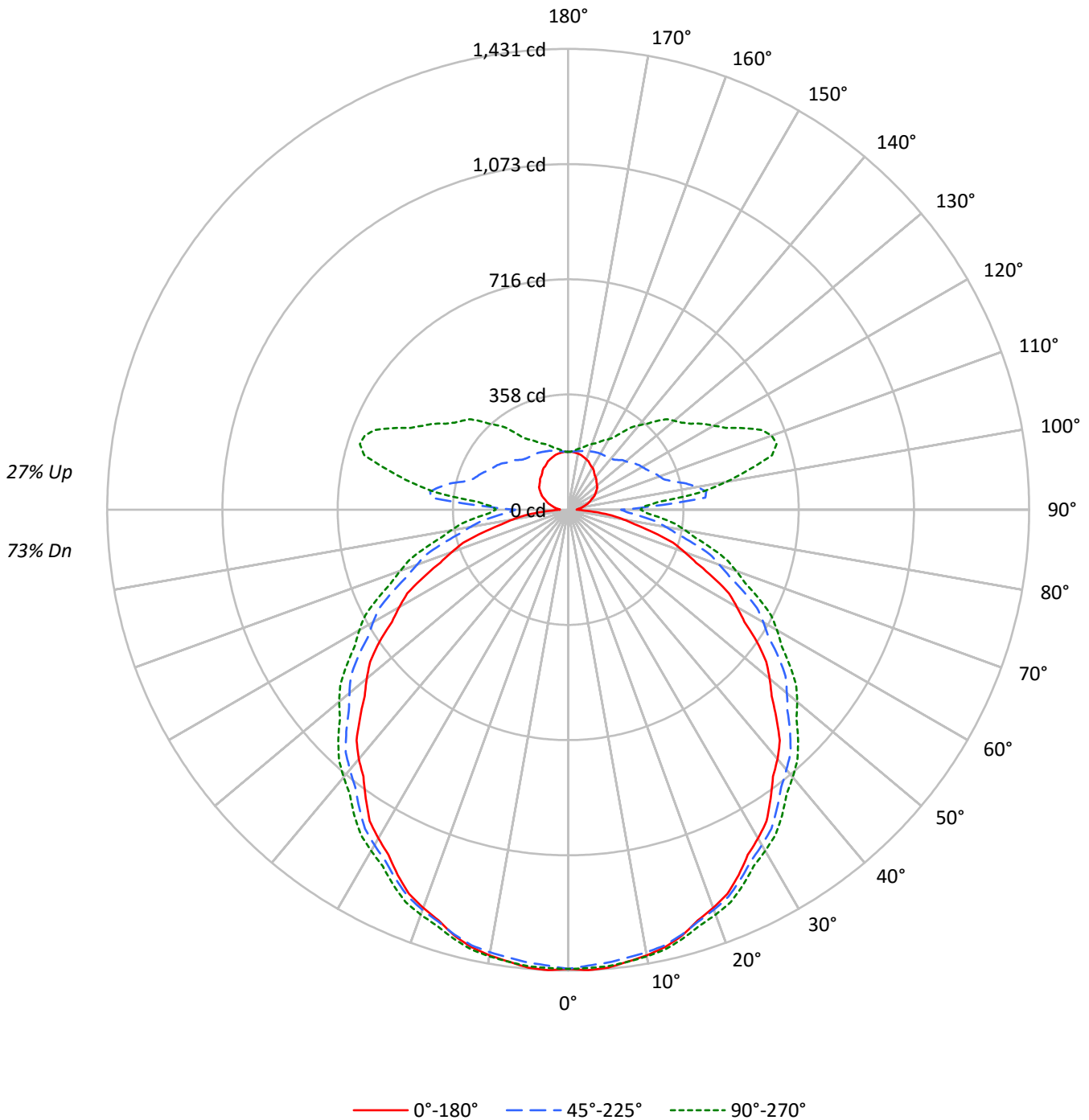
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 73 | | | | |
| 1 | 101 | 96 | 92 | 88 | 96 | 91 | 87 | 84 | 82 | 79 | 76 | 74 | 71 | 69 | 66 | 64 | 62 | 58 | | | | |
| 2 | 92 | 83 | 76 | 70 | 87 | 79 | 73 | 67 | 71 | 66 | 62 | 64 | 60 | 56 | 57 | 54 | 51 | 48 | | | | |
| 3 | 83 | 73 | 65 | 58 | 79 | 69 | 62 | 56 | 62 | 56 | 51 | 56 | 51 | 47 | 50 | 46 | 43 | 40 | | | | |
| 4 | 76 | 64 | 55 | 49 | 72 | 61 | 53 | 47 | 55 | 49 | 43 | 50 | 44 | 40 | 44 | 40 | 37 | 34 | | | | |
| 5 | 70 | 57 | 48 | 42 | 66 | 54 | 46 | 40 | 49 | 42 | 37 | 44 | 39 | 34 | 40 | 35 | 32 | 29 | | | | |
| 6 | 64 | 51 | 42 | 36 | 61 | 49 | 41 | 35 | 44 | 37 | 32 | 40 | 34 | 30 | 36 | 31 | 28 | 25 | | | | |
| 7 | 59 | 46 | 38 | 32 | 56 | 44 | 36 | 31 | 40 | 33 | 28 | 36 | 31 | 26 | 33 | 28 | 24 | 22 | | | | |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 32 | 27 | 37 | 30 | 25 | 33 | 28 | 24 | 30 | 25 | 22 | 20 | | | | |
| 9 | 51 | 38 | 30 | 25 | 49 | 37 | 29 | 24 | 34 | 27 | 23 | 31 | 25 | 21 | 28 | 23 | 20 | 18 | | | | |
| 10 | 48 | 35 | 28 | 22 | 46 | 34 | 27 | 22 | 31 | 25 | 20 | 28 | 23 | 19 | 26 | 21 | 18 | 16 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11512 | 11512 | 11512 |
| 5° | 11547 | 11251 | 11283 |
| 10° | 11477 | 11067 | 11058 |
| 15° | 11374 | 10854 | 10794 |
| 20° | 11219 | 10619 | 10537 |
| 25° | 11044 | 10355 | 10254 |
| 30° | 10854 | 10093 | 9964 |
| 35° | 10640 | 9824 | 9710 |
| 40° | 10469 | 9569 | 9445 |
| 45° | 10215 | 9334 | 9218 |
| 50° | 10000 | 9062 | 8977 |
| 55° | 9778 | 8806 | 8695 |
| 60° | 9431 | 8480 | 8438 |
| 65° | 9051 | 8130 | 8122 |
| 70° | 8591 | 7730 | 7753 |
| 75° | 7950 | 7291 | 7421 |
| 80° | 7239 | 6868 | 7093 |
| 85° | 6329 | 6495 | 6901 |



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 135.0 | 2.2 |
| 10°-20° | 386.9 | 6.3 |
| 20°-30° | 585.0 | 9.5 |
| 30°-40° | 707.8 | 11.5 |
| 40°-50° | 748.3 | 12.1 |
| 50°-60° | 704.2 | 11.4 |
| 60°-70° | 584.3 | 9.5 |
| 70°-80° | 410.4 | 6.7 |
| 80°-90° | 233.0 | 3.8 |
| 90°-100° | 267.7 | 4.3 |
| 100°-110° | 372.4 | 6.0 |
| 110°-120° | 310.7 | 5.0 |
| 120°-130° | 242.4 | 3.9 |
| 130°-140° | 186.6 | 3.0 |
| 140°-150° | 133.2 | 2.2 |
| 150°-160° | 91.2 | 1.5 |
| 160°-170° | 53.7 | 0.9 |
| 170°-180° | 17.5 | 0.3 |
| 0°-30° | 1106.9 | 17.9 |
| 0°-40° | 1814.7 | 29.4 |
| 0°-60° | 3267.3 | 53.0 |
| 0°-90° | 4495.0 | 72.8 |
| 90°-120° | 950.8 | 15.4 |
| 90°-150° | 1512.9 | 24.5 |
| 90°-180° | 1675.0 | 27.1 |
| 0°-180° | 6170.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1426 | 1426 | 1426 | 1426 | 1426 | |
| 5° | 1428 | 1422 | 1412 | 1424 | 1423 | 135 |
| 15° | 1368 | 1370 | 1365 | 1379 | 1378 | 385 |
| 25° | 1252 | 1261 | 1266 | 1283 | 1285 | 576 |
| 35° | 1095 | 1114 | 1130 | 1152 | 1158 | 686 |
| 45° | 913 | 944 | 974 | 1000 | 1009 | 706 |
| 55° | 715 | 750 | 797 | 828 | 838 | 637 |
| 65° | 495 | 546 | 600 | 639 | 653 | 490 |
| 75° | 275 | 334 | 401 | 444 | 460 | 292 |
| 85° | 85 | 152 | 224 | 270 | 287 | 90 |
| 90° | 26 | 93 | 164 | 210 | 225 | 17 |
| 95° | 32 | 111 | 427 | 323 | 283 | 30 |
| 105° | 56 | 108 | 337 | 643 | 655 | 60 |
| 115° | 82 | 117 | 282 | 506 | 599 | 82 |
| 125° | 108 | 128 | 250 | 412 | 466 | 96 |
| 135° | 124 | 147 | 218 | 339 | 390 | 96 |
| 145° | 140 | 159 | 203 | 262 | 294 | 88 |
| 155° | 158 | 171 | 197 | 223 | 233 | 73 |
| 165° | 172 | 177 | 189 | 200 | 203 | 49 |
| 175° | 180 | 180 | 181 | 184 | 183 | 17 |
| 180° | 180 | 180 | 180 | 180 | 180 | |



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 |
| 2.5° | 1431.1 | 1430.2 | 1429.4 | 1428.5 | 1427.7 | 1426.1 | 1423.8 | 1421.6 | 1419.3 | 1417.0 | 1419.0 |
| 5° | 1427.5 | 1426.5 | 1425.4 | 1424.4 | 1423.3 | 1421.5 | 1419.0 | 1416.5 | 1414.1 | 1411.6 | 1414.4 |
| 7.5° | 1415.4 | 1414.8 | 1414.1 | 1413.5 | 1412.9 | 1411.5 | 1409.5 | 1407.4 | 1405.3 | 1403.3 | 1406.5 |
| 10° | 1405.2 | 1404.8 | 1404.5 | 1404.1 | 1403.8 | 1402.7 | 1400.9 | 1399.2 | 1397.4 | 1395.6 | 1398.8 |
| 12.5° | 1391.1 | 1391.1 | 1391.0 | 1390.9 | 1390.9 | 1390.2 | 1389.0 | 1387.8 | 1386.6 | 1385.4 | 1388.3 |
| 15° | 1368.5 | 1368.8 | 1369.2 | 1369.5 | 1369.9 | 1369.5 | 1368.5 | 1367.4 | 1366.3 | 1365.3 | 1368.5 |
| 17.5° | 1337.5 | 1338.6 | 1339.6 | 1340.7 | 1341.7 | 1342.2 | 1342.0 | 1341.7 | 1341.5 | 1341.3 | 1344.6 |
| 20° | 1315.8 | 1316.8 | 1317.9 | 1319.0 | 1320.0 | 1320.7 | 1321.1 | 1321.5 | 1321.8 | 1322.2 | 1325.7 |
| 22.5° | 1291.5 | 1292.8 | 1294.2 | 1295.5 | 1296.9 | 1297.9 | 1298.5 | 1299.2 | 1299.8 | 1300.4 | 1304.0 |
| 25° | 1251.9 | 1254.0 | 1256.2 | 1258.3 | 1260.4 | 1262.0 | 1263.1 | 1264.1 | 1265.2 | 1266.3 | 1270.2 |
| 27.5° | 1207.8 | 1211.0 | 1214.1 | 1217.2 | 1220.3 | 1222.7 | 1224.3 | 1226.0 | 1227.6 | 1229.2 | 1232.8 |
| 30° | 1178.4 | 1181.3 | 1184.1 | 1187.0 | 1189.8 | 1192.5 | 1194.9 | 1197.4 | 1199.9 | 1202.4 | 1206.3 |
| 32.5° | 1146.5 | 1149.9 | 1153.3 | 1156.7 | 1160.1 | 1163.2 | 1166.0 | 1168.8 | 1171.5 | 1174.3 | 1178.8 |
| 35° | 1095.4 | 1099.7 | 1103.9 | 1108.2 | 1112.4 | 1116.3 | 1119.9 | 1123.4 | 1127.0 | 1130.5 | 1135.5 |
| 37.5° | 1044.0 | 1048.9 | 1053.8 | 1058.7 | 1063.6 | 1068.2 | 1072.6 | 1077.0 | 1081.4 | 1085.8 | 1090.9 |
| 40° | 1010.8 | 1015.4 | 1020.0 | 1024.6 | 1029.2 | 1034.0 | 1039.0 | 1044.0 | 1048.9 | 1053.9 | 1059.2 |
| 42.5° | 972.5 | 977.6 | 982.8 | 988.0 | 993.2 | 998.7 | 1004.5 | 1010.3 | 1016.1 | 1022.0 | 1027.9 |
| 45° | 913.4 | 920.1 | 926.9 | 933.6 | 940.3 | 947.1 | 953.8 | 960.6 | 967.3 | 974.1 | 980.1 |
| 47.5° | 856.8 | 863.8 | 870.8 | 877.7 | 884.7 | 892.1 | 899.9 | 907.7 | 915.5 | 923.3 | 929.5 |
| 50° | 816.0 | 823.8 | 831.6 | 839.4 | 847.2 | 855.0 | 862.8 | 870.6 | 878.4 | 886.2 | 893.3 |
| 52.5° | 775.1 | 782.9 | 790.7 | 798.5 | 806.3 | 814.7 | 823.6 | 832.6 | 841.5 | 850.5 | 857.6 |
| 55° | 715.4 | 722.8 | 730.3 | 737.7 | 745.2 | 754.2 | 764.9 | 775.5 | 786.2 | 796.8 | 803.9 |
| 57.5° | 648.6 | 657.9 | 667.1 | 676.3 | 685.5 | 695.4 | 706.0 | 716.6 | 727.2 | 737.7 | 746.2 |
| 60° | 605.2 | 614.4 | 623.6 | 632.9 | 642.1 | 652.6 | 664.3 | 676.0 | 687.7 | 699.4 | 707.6 |
| 62.5° | 563.0 | 573.1 | 583.2 | 593.3 | 603.3 | 614.2 | 626.0 | 637.7 | 649.4 | 661.1 | 669.2 |
| 65° | 495.0 | 506.4 | 517.7 | 529.1 | 540.4 | 552.1 | 564.2 | 576.3 | 588.3 | 600.4 | 609.3 |
| 67.5° | 429.5 | 441.6 | 453.7 | 465.7 | 477.8 | 490.3 | 503.2 | 516.1 | 529.0 | 542.0 | 551.0 |
| 70° | 384.8 | 396.9 | 409.0 | 421.0 | 433.1 | 445.9 | 459.3 | 472.8 | 486.3 | 499.8 | 509.4 |
| 72.5° | 341.4 | 353.7 | 366.1 | 378.4 | 390.8 | 404.1 | 418.5 | 432.8 | 447.1 | 461.5 | 470.8 |
| 75° | 274.7 | 287.8 | 300.9 | 314.0 | 327.2 | 341.2 | 356.1 | 371.0 | 385.9 | 400.8 | 410.7 |
| 77.5° | 212.4 | 226.3 | 240.2 | 254.1 | 268.0 | 282.8 | 298.4 | 314.0 | 329.6 | 345.2 | 355.3 |
| 80° | 174.1 | 188.2 | 202.4 | 216.6 | 230.8 | 245.7 | 261.3 | 277.0 | 292.6 | 308.2 | 318.8 |
| 82.5° | 135.7 | 150.5 | 165.3 | 180.0 | 194.8 | 210.0 | 225.6 | 241.2 | 256.8 | 272.4 | 283.3 |
| 85° | 84.6 | 99.5 | 114.4 | 129.3 | 144.2 | 159.7 | 175.6 | 191.6 | 207.6 | 223.6 | 234.2 |
| 87.5° | 47.3 | 62.0 | 76.6 | 91.2 | 105.7 | 120.8 | 136.7 | 152.3 | 167.9 | 183.6 | 193.8 |
| 90° | 25.9 | 40.8 | 56.1 | 70.6 | 85.2 | 99.9 | 117.3 | 132.5 | 148.5 | 164.4 | 174.4 |
| 92.5° | 28.3 | 42.9 | 59.0 | 76.1 | 94.0 | 115.4 | 148.6 | 191.3 | 233.3 | 262.5 | 253.8 |
| 95° | 32.4 | 45.2 | 60.4 | 76.7 | 96.9 | 124.9 | 170.2 | 242.7 | 341.7 | 427.0 | 444.7 |
| 97.5° | 39.8 | 49.8 | 63.0 | 77.3 | 94.6 | 119.3 | 157.4 | 219.7 | 318.0 | 432.4 | 510.4 |
| 100° | 44.4 | 53.7 | 65.4 | 78.8 | 94.8 | 117.6 | 152.3 | 206.1 | 292.0 | 405.5 | 505.6 |
| 102.5° | 50.1 | 58.7 | 69.0 | 81.1 | 95.6 | 117.2 | 149.6 | 198.3 | 273.2 | 375.1 | 477.7 |
| 105° | 55.7 | 63.9 | 72.7 | 84.1 | 97.5 | 117.9 | 148.0 | 190.5 | 253.1 | 337.2 | 429.2 |
| 107.5° | 65.2 | 71.7 | 79.3 | 89.6 | 101.5 | 120.7 | 148.7 | 187.8 | 242.5 | 312.1 | 388.7 |
| 110° | 70.4 | 76.1 | 82.8 | 92.0 | 103.3 | 121.6 | 149.5 | 186.7 | 238.0 | 301.7 | 367.4 |



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 75.3 | 80.4 | 86.9 | 95.2 | 106.0 | 123.7 | 150.5 | 185.7 | 233.9 | 292.7 | 352.0 |
| 115° | 82.4 | 86.6 | 92.3 | 99.0 | 108.9 | 125.8 | 151.3 | 183.8 | 228.0 | 281.8 | 334.1 |
| 117.5° | 91.4 | 94.3 | 98.4 | 104.2 | 112.4 | 128.6 | 152.6 | 182.7 | 222.7 | 271.9 | 320.5 |
| 120° | 96.3 | 98.1 | 101.7 | 106.6 | 113.7 | 129.2 | 153.0 | 181.6 | 219.1 | 265.5 | 311.8 |
| 122.5° | 102.0 | 102.9 | 105.6 | 109.4 | 116.2 | 130.8 | 153.9 | 180.9 | 215.9 | 258.8 | 303.2 |
| 125° | 107.8 | 108.9 | 110.6 | 114.2 | 120.5 | 134.7 | 156.3 | 181.4 | 212.6 | 250.4 | 291.1 |
| 127.5° | 114.1 | 114.9 | 117.0 | 121.1 | 127.8 | 141.0 | 160.1 | 181.8 | 208.1 | 240.0 | 276.1 |
| 130° | 116.5 | 117.5 | 120.0 | 125.0 | 131.3 | 144.2 | 161.9 | 181.4 | 205.1 | 233.4 | 266.6 |
| 132.5° | 120.1 | 120.9 | 124.2 | 128.9 | 135.8 | 147.6 | 164.2 | 182.2 | 203.1 | 228.0 | 258.4 |
| 135° | 123.7 | 125.1 | 128.7 | 134.7 | 142.1 | 152.5 | 166.7 | 181.9 | 198.9 | 218.3 | 244.5 |
| 137.5° | 128.9 | 129.9 | 133.4 | 138.8 | 146.1 | 155.3 | 167.4 | 180.5 | 194.5 | 210.9 | 233.0 |
| 140° | 132.5 | 133.3 | 136.8 | 142.4 | 149.5 | 158.0 | 168.9 | 180.6 | 193.0 | 206.8 | 226.6 |
| 142.5° | 135.2 | 136.2 | 139.8 | 145.4 | 152.5 | 160.5 | 170.6 | 180.9 | 192.1 | 204.2 | 221.8 |
| 145° | 140.5 | 141.2 | 144.4 | 149.0 | 155.3 | 162.9 | 172.1 | 181.7 | 191.9 | 202.9 | 216.3 |
| 147.5° | 146.8 | 146.8 | 149.5 | 154.3 | 159.5 | 166.3 | 174.9 | 183.3 | 192.3 | 201.6 | 211.8 |
| 150° | 150.7 | 150.7 | 153.2 | 157.1 | 162.0 | 168.6 | 176.4 | 184.1 | 192.3 | 200.7 | 209.6 |
| 152.5° | 153.1 | 153.1 | 155.9 | 159.8 | 164.4 | 170.6 | 177.5 | 184.7 | 191.7 | 199.3 | 207.3 |
| 155° | 158.0 | 158.3 | 160.5 | 164.0 | 167.9 | 173.2 | 179.2 | 185.2 | 190.9 | 197.2 | 203.9 |
| 157.5° | 163.0 | 163.0 | 165.0 | 167.7 | 171.1 | 175.3 | 180.4 | 185.2 | 189.9 | 195.0 | 200.5 |
| 160° | 166.1 | 166.1 | 167.5 | 170.0 | 172.8 | 176.7 | 181.0 | 185.2 | 189.1 | 193.3 | 197.9 |
| 162.5° | 168.9 | 168.7 | 169.8 | 172.0 | 174.5 | 177.6 | 181.5 | 185.2 | 188.2 | 191.6 | 195.7 |
| 165° | 172.1 | 172.1 | 172.8 | 174.6 | 176.4 | 178.5 | 181.7 | 184.5 | 186.6 | 189.1 | 191.9 |
| 167.5° | 175.3 | 174.9 | 175.3 | 176.6 | 177.6 | 179.3 | 181.6 | 183.6 | 184.9 | 186.5 | 188.5 |
| 170° | 176.7 | 176.4 | 176.7 | 177.8 | 178.5 | 179.5 | 181.3 | 183.1 | 183.8 | 184.8 | 186.3 |
| 172.5° | 178.1 | 177.8 | 177.8 | 178.6 | 179.0 | 179.8 | 181.0 | 182.5 | 182.7 | 183.1 | 184.3 |
| 175° | 179.5 | 179.2 | 179.2 | 179.5 | 179.9 | 179.9 | 180.6 | 181.7 | 181.3 | 181.3 | 182.0 |
| 177.5° | 180.2 | 179.9 | 179.6 | 179.9 | 179.9 | 179.9 | 180.2 | 180.7 | 180.2 | 180.2 | 180.5 |
| 180° | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 |



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 |
| 2.5° | 1421.0 | 1423.0 | 1425.0 | 1425.8 | 1425.5 | 1425.2 | 1425.0 | 1424.7 |
| 5° | 1417.3 | 1420.1 | 1422.9 | 1424.2 | 1423.8 | 1423.5 | 1423.1 | 1422.8 |
| 7.5° | 1409.7 | 1412.9 | 1416.1 | 1417.5 | 1417.1 | 1416.8 | 1416.4 | 1416.1 |
| 10° | 1402.0 | 1405.2 | 1408.4 | 1409.8 | 1409.5 | 1409.1 | 1408.7 | 1408.4 |
| 12.5° | 1391.2 | 1394.1 | 1397.0 | 1398.5 | 1398.4 | 1398.3 | 1398.2 | 1398.2 |
| 15° | 1371.7 | 1374.9 | 1378.0 | 1379.5 | 1379.1 | 1378.8 | 1378.4 | 1378.0 |
| 17.5° | 1347.9 | 1351.1 | 1354.4 | 1355.9 | 1355.6 | 1355.3 | 1355.0 | 1354.7 |
| 20° | 1329.3 | 1332.8 | 1336.4 | 1338.1 | 1338.1 | 1338.1 | 1338.1 | 1338.1 |
| 22.5° | 1307.5 | 1311.1 | 1314.6 | 1316.7 | 1317.3 | 1317.8 | 1318.4 | 1319.0 |
| 25° | 1274.1 | 1278.0 | 1281.9 | 1284.0 | 1284.4 | 1284.7 | 1285.1 | 1285.4 |
| 27.5° | 1236.5 | 1240.1 | 1243.7 | 1245.7 | 1246.2 | 1246.6 | 1247.0 | 1247.4 |
| 30° | 1210.2 | 1214.1 | 1218.0 | 1220.3 | 1221.0 | 1221.7 | 1222.4 | 1223.2 |
| 32.5° | 1183.2 | 1187.7 | 1192.2 | 1194.8 | 1195.5 | 1196.2 | 1196.9 | 1197.6 |
| 35° | 1140.5 | 1145.4 | 1150.4 | 1153.4 | 1154.5 | 1155.6 | 1156.6 | 1157.7 |
| 37.5° | 1095.9 | 1100.9 | 1106.0 | 1109.1 | 1110.2 | 1111.3 | 1112.5 | 1113.6 |
| 40° | 1064.5 | 1069.9 | 1075.2 | 1078.6 | 1080.0 | 1081.4 | 1082.8 | 1084.2 |
| 42.5° | 1033.7 | 1039.6 | 1045.5 | 1049.0 | 1050.2 | 1051.3 | 1052.4 | 1053.6 |
| 45° | 986.1 | 992.2 | 998.2 | 1002.1 | 1003.9 | 1005.6 | 1007.4 | 1009.2 |
| 47.5° | 935.8 | 942.0 | 948.3 | 952.4 | 954.6 | 956.7 | 958.8 | 961.0 |
| 50° | 900.4 | 907.5 | 914.6 | 919.2 | 921.4 | 923.5 | 925.6 | 927.7 |
| 52.5° | 864.7 | 871.8 | 878.8 | 883.5 | 885.6 | 887.7 | 889.8 | 892.0 |
| 55° | 811.0 | 818.1 | 825.2 | 829.8 | 831.9 | 834.1 | 836.2 | 838.3 |
| 57.5° | 754.6 | 763.1 | 771.5 | 776.7 | 778.7 | 780.7 | 782.7 | 784.7 |
| 60° | 715.7 | 723.9 | 732.0 | 737.5 | 740.4 | 743.2 | 746.1 | 748.9 |
| 62.5° | 677.4 | 685.6 | 693.7 | 699.2 | 702.1 | 704.9 | 707.7 | 710.6 |
| 65° | 618.1 | 627.0 | 635.9 | 641.7 | 644.6 | 647.4 | 650.3 | 653.1 |
| 67.5° | 560.0 | 569.0 | 578.0 | 583.9 | 586.7 | 589.4 | 592.2 | 595.0 |
| 70° | 519.0 | 528.5 | 538.1 | 544.2 | 546.6 | 549.1 | 551.6 | 554.1 |
| 72.5° | 480.1 | 489.4 | 498.7 | 504.7 | 507.5 | 510.2 | 513.0 | 515.8 |
| 75° | 420.7 | 430.6 | 440.5 | 447.1 | 450.3 | 453.5 | 456.7 | 459.9 |
| 77.5° | 365.4 | 375.5 | 385.5 | 392.3 | 395.7 | 399.1 | 402.5 | 405.9 |
| 80° | 329.5 | 340.1 | 350.8 | 357.5 | 360.3 | 363.2 | 366.0 | 368.9 |
| 82.5° | 294.3 | 305.2 | 316.1 | 323.2 | 326.3 | 329.4 | 332.5 | 335.6 |
| 85° | 244.8 | 255.5 | 266.1 | 273.2 | 276.8 | 280.3 | 283.9 | 287.4 |
| 87.5° | 204.2 | 214.6 | 224.9 | 231.6 | 234.8 | 238.0 | 241.1 | 244.2 |
| 90° | 185.0 | 195.7 | 206.3 | 212.9 | 216.1 | 219.3 | 221.7 | 224.6 |
| 92.5° | 239.8 | 232.7 | 232.0 | 231.4 | 230.0 | 231.0 | 232.6 | 235.4 |
| 95° | 420.0 | 374.8 | 337.0 | 309.1 | 295.0 | 287.2 | 284.0 | 282.6 |
| 97.5° | 534.5 | 523.5 | 498.2 | 467.5 | 445.2 | 426.9 | 419.4 | 415.1 |
| 100° | 566.8 | 583.4 | 575.7 | 555.5 | 527.3 | 508.2 | 500.1 | 499.7 |
| 102.5° | 557.8 | 602.2 | 616.5 | 611.6 | 595.5 | 582.7 | 574.3 | 574.8 |
| 105° | 519.0 | 589.0 | 632.8 | 653.2 | 656.7 | 656.7 | 654.6 | 655.4 |
| 107.5° | 469.1 | 542.9 | 600.9 | 638.1 | 658.1 | 668.7 | 674.8 | 678.2 |
| 110° | 438.5 | 507.8 | 567.2 | 611.6 | 639.5 | 657.2 | 666.4 | 672.4 |



TEST NUMBER: P332675

CATALOG NUMBER: S124DIP-S1195D365U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 413.7 | 475.7 | 532.0 | 576.2 | 607.5 | 628.3 | 640.1 | 648.1 |
| 115° | 386.1 | 437.4 | 486.6 | 525.6 | 556.0 | 579.7 | 593.5 | 598.8 |
| 117.5° | 366.9 | 410.3 | 450.2 | 484.1 | 510.7 | 531.4 | 545.7 | 550.7 |
| 120° | 356.0 | 396.0 | 431.4 | 461.4 | 484.4 | 502.8 | 514.8 | 521.5 |
| 122.5° | 346.2 | 385.1 | 417.9 | 444.7 | 464.3 | 480.1 | 490.5 | 496.9 |
| 125° | 331.7 | 368.9 | 400.0 | 423.9 | 440.2 | 452.5 | 461.4 | 465.6 |
| 127.5° | 314.4 | 349.8 | 380.5 | 403.4 | 420.0 | 431.5 | 439.6 | 444.1 |
| 130° | 302.3 | 336.7 | 367.1 | 390.1 | 406.7 | 417.6 | 425.4 | 429.7 |
| 132.5° | 290.7 | 323.1 | 352.6 | 375.5 | 391.8 | 403.9 | 411.4 | 415.7 |
| 135° | 272.4 | 301.1 | 328.3 | 349.9 | 366.1 | 378.2 | 386.0 | 390.2 |
| 137.5° | 256.7 | 281.3 | 304.6 | 324.1 | 339.1 | 350.6 | 357.0 | 361.4 |
| 140° | 247.4 | 268.7 | 289.2 | 307.2 | 321.4 | 330.9 | 337.6 | 342.2 |
| 142.5° | 239.8 | 258.5 | 276.2 | 291.8 | 304.2 | 312.9 | 318.8 | 322.3 |
| 145° | 229.7 | 243.9 | 256.6 | 268.3 | 278.5 | 286.0 | 290.9 | 294.1 |
| 147.5° | 221.5 | 231.3 | 240.1 | 248.5 | 256.2 | 262.5 | 266.3 | 268.1 |
| 150° | 218.1 | 226.2 | 233.3 | 239.6 | 245.3 | 249.9 | 252.0 | 252.3 |
| 152.5° | 215.0 | 222.0 | 228.5 | 233.7 | 238.5 | 242.2 | 243.5 | 243.9 |
| 155° | 210.3 | 215.9 | 221.2 | 225.5 | 229.0 | 231.8 | 232.9 | 232.9 |
| 157.5° | 205.3 | 210.0 | 214.5 | 217.9 | 220.5 | 222.7 | 223.3 | 223.3 |
| 160° | 202.2 | 206.0 | 209.9 | 212.8 | 214.9 | 217.0 | 217.4 | 217.4 |
| 162.5° | 199.1 | 202.4 | 205.4 | 208.0 | 209.5 | 211.6 | 212.0 | 211.7 |
| 165° | 194.7 | 196.9 | 199.3 | 201.1 | 202.5 | 203.9 | 203.6 | 203.2 |
| 167.5° | 190.6 | 192.2 | 194.2 | 195.2 | 195.9 | 196.9 | 196.8 | 196.5 |
| 170° | 188.0 | 189.1 | 190.5 | 191.6 | 192.3 | 192.6 | 192.3 | 192.3 |
| 172.5° | 185.8 | 186.5 | 187.4 | 188.2 | 188.6 | 188.9 | 188.6 | 188.0 |
| 175° | 182.7 | 183.1 | 183.8 | 183.8 | 183.8 | 184.5 | 183.8 | 183.1 |
| 177.5° | 180.7 | 181.0 | 181.0 | 181.3 | 181.0 | 181.3 | 180.7 | 180.2 |
| 180° | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 | 179.9 |

(END OF REPORT)