

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: PORTFOLIO

Report Number: P563809

Luminaire Tested: **LD4C25D010 EX4C259030 4LBSQLWWH**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P219529)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25D010 EX4C259030 4LBSQLWWH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

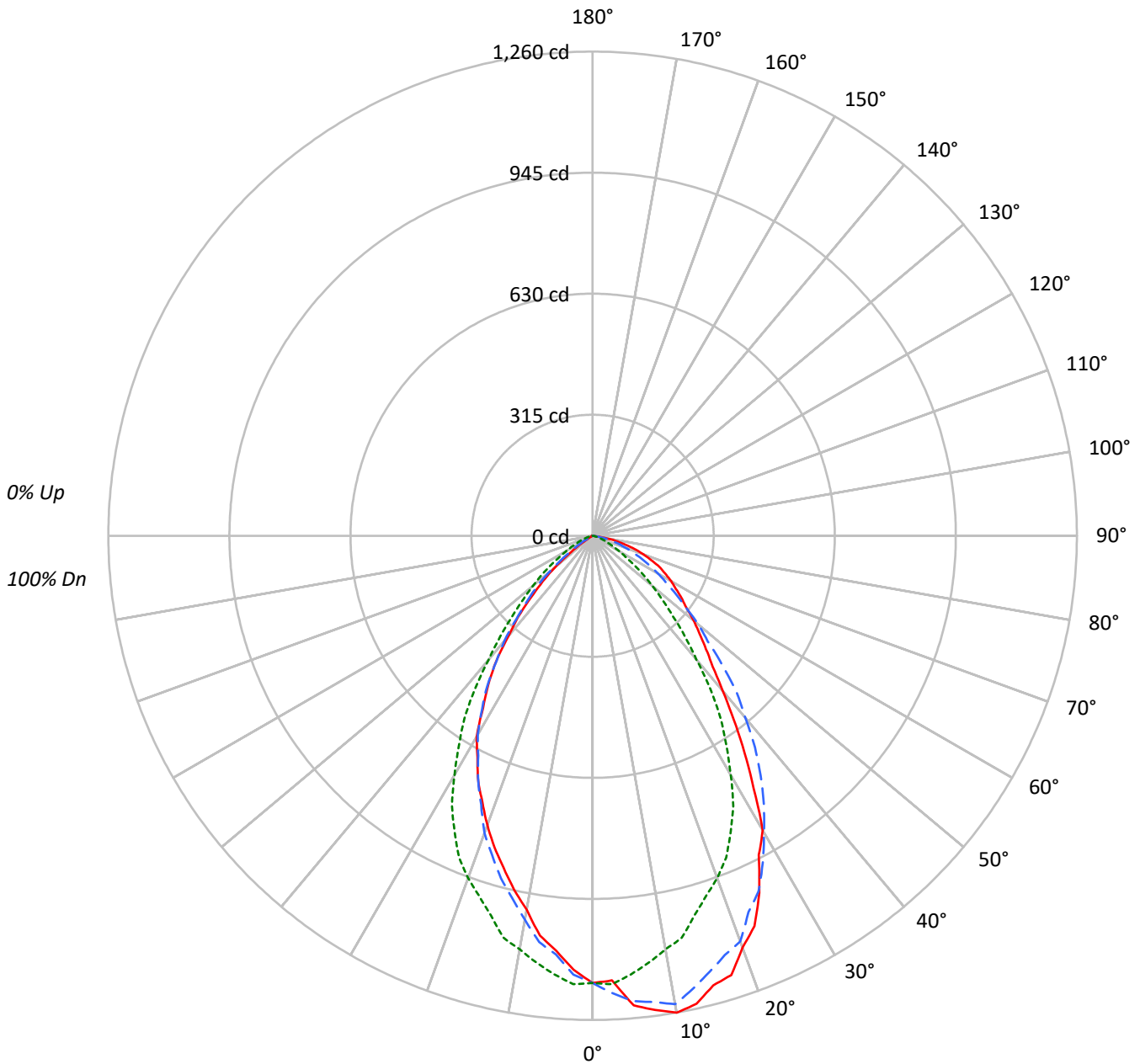
Lumens per Lamp: N/A
Luminaire Lumens: 1668.2 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1 / 1.06
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
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

TEST NUMBER: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 | | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 | | | |
| 5 | 85 | 75 | 67 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 60 | 68 | 64 | 60 | 58 | | | |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 53 | | | |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | | | |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 41 | | | |
| 10 | 62 | 51 | 44 | 40 | 61 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 38 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 112294 | 112294 | 112294 |
| 5° | 118805 | 110970 | 105023 |
| 10° | 123461 | 107060 | 96802 |
| 15° | 121000 | 102170 | 89344 |
| 20° | 117067 | 97291 | 82237 |
| 25° | 109189 | 90473 | 75025 |
| 30° | 98581 | 80075 | 67173 |
| 35° | 81205 | 68543 | 55727 |
| 40° | 66266 | 52902 | 42888 |
| 45° | 56943 | 40186 | 30839 |
| 50° | 51533 | 30577 | 19484 |
| 55° | 47422 | 22054 | 7049 |
| 60° | 45523 | 15072 | 1081 |
| 65° | 43973 | 10206 | 320 |
| 70° | 39383 | 7081 | 395 |
| 75° | 32285 | 3653 | 0 |
| 80° | 20170 | 1500 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 109.0 | 6.5 |
| 10°-20° | 293.8 | 17.6 |
| 20°-30° | 392.3 | 23.5 |
| 30°-40° | 372.4 | 22.3 |
| 40°-50° | 257.4 | 15.4 |
| 50°-60° | 142.2 | 8.5 |
| 60°-70° | 70.6 | 4.2 |
| 70°-80° | 27.8 | 1.7 |
| 80°-90° | 2.6 | 0.2 |
| 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° | 795.1 | 47.7 |
| 0°-40° | 1167.5 | 70.0 |
| 0°-60° | 1567.1 | 93.9 |
| 0°-90° | 1668.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1668.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1164 | 1164 | 1164 | 1164 | 1164 | |
| 5° | 1227 | 1216 | 1146 | 1094 | 1084 | 117 |
| 15° | 1211 | 1175 | 1023 | 922 | 894 | 343 |
| 25° | 1026 | 1022 | 850 | 705 | 705 | 468 |
| 35° | 689 | 762 | 582 | 479 | 473 | 432 |
| 45° | 417 | 479 | 294 | 241 | 226 | 325 |
| 55° | 282 | 265 | 131 | 67 | 42 | 254 |
| 65° | 193 | 140 | 45 | 1 | 1 | 187 |
| 75° | 87 | 53 | 10 | 0 | 0 | 92 |
| 85° | 0 | 1 | 0 | 0 | 0 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 |
| 2.5° | 1158.2 | 1190.3 | 1193.1 | 1190.3 | 1194.5 | 1193.1 | 1200.1 | 1193.1 | 1201.5 | 1188.9 | 1191.8 |
| 5° | 1226.6 | 1214.0 | 1240.6 | 1226.6 | 1226.6 | 1225.2 | 1221.0 | 1219.6 | 1225.2 | 1207.1 | 1215.5 |
| 7.5° | 1244.7 | 1262.9 | 1286.7 | 1257.4 | 1258.7 | 1258.7 | 1250.3 | 1247.5 | 1247.5 | 1214.0 | 1223.8 |
| 10° | 1260.1 | 1248.9 | 1261.4 | 1250.3 | 1260.1 | 1258.7 | 1264.3 | 1246.1 | 1258.7 | 1239.2 | 1237.7 |
| 12.5° | 1247.5 | 1243.3 | 1260.1 | 1242.0 | 1236.4 | 1237.7 | 1230.8 | 1226.6 | 1230.8 | 1208.4 | 1207.1 |
| 15° | 1211.3 | 1215.5 | 1240.6 | 1221.0 | 1218.2 | 1215.5 | 1207.1 | 1193.1 | 1204.3 | 1173.5 | 1175.0 |
| 17.5° | 1198.7 | 1191.8 | 1195.9 | 1179.1 | 1183.3 | 1180.6 | 1179.1 | 1166.6 | 1163.8 | 1144.2 | 1144.2 |
| 20° | 1140.1 | 1155.4 | 1155.4 | 1144.2 | 1144.2 | 1142.9 | 1124.7 | 1135.9 | 1123.3 | 1117.7 | 1123.3 |
| 22.5° | 1099.6 | 1101.0 | 1101.0 | 1091.3 | 1092.7 | 1087.1 | 1077.3 | 1070.3 | 1077.3 | 1070.3 | 1059.1 |
| 25° | 1025.6 | 1028.5 | 1045.2 | 1027.1 | 1024.2 | 1029.8 | 1021.5 | 1017.3 | 1015.9 | 999.2 | 1021.5 |
| 27.5° | 936.3 | 964.2 | 962.9 | 955.9 | 964.2 | 953.1 | 948.9 | 950.3 | 954.5 | 953.1 | 958.6 |
| 30° | 884.8 | 888.9 | 893.1 | 887.5 | 888.9 | 884.8 | 884.8 | 886.1 | 897.3 | 893.1 | 891.7 |
| 32.5° | 780.1 | 794.0 | 805.2 | 805.2 | 806.5 | 810.8 | 809.4 | 838.7 | 845.7 | 831.7 | 828.9 |
| 35° | 689.4 | 699.1 | 708.9 | 710.3 | 728.4 | 729.8 | 731.3 | 739.6 | 759.1 | 763.3 | 761.9 |
| 37.5° | 602.9 | 612.6 | 615.4 | 627.9 | 637.8 | 647.4 | 658.6 | 669.8 | 686.5 | 700.5 | 693.5 |
| 40° | 526.1 | 530.3 | 537.3 | 542.8 | 562.3 | 562.3 | 567.9 | 590.3 | 608.4 | 619.6 | 618.2 |
| 42.5° | 461.9 | 463.2 | 468.8 | 478.7 | 496.8 | 492.6 | 496.8 | 512.2 | 538.6 | 540.0 | 555.4 |
| 45° | 417.3 | 415.8 | 420.0 | 421.4 | 432.6 | 438.2 | 441.0 | 452.1 | 474.4 | 477.3 | 478.7 |
| 47.5° | 376.8 | 375.3 | 382.4 | 385.1 | 389.3 | 394.9 | 394.9 | 396.3 | 404.6 | 411.7 | 406.1 |
| 50° | 343.3 | 343.3 | 343.3 | 346.1 | 353.1 | 351.6 | 353.1 | 358.7 | 362.8 | 360.0 | 358.7 |
| 52.5° | 307.0 | 312.6 | 316.8 | 318.2 | 319.5 | 319.5 | 320.9 | 318.2 | 316.8 | 312.6 | 304.1 |
| 55° | 281.9 | 287.5 | 287.5 | 287.5 | 287.5 | 293.1 | 286.1 | 287.5 | 287.5 | 276.3 | 265.2 |
| 57.5° | 256.7 | 262.3 | 266.5 | 260.9 | 266.5 | 260.9 | 258.2 | 256.7 | 254.0 | 242.8 | 226.0 |
| 60° | 235.9 | 238.6 | 237.2 | 235.9 | 238.6 | 234.5 | 231.6 | 226.0 | 223.3 | 207.9 | 196.7 |
| 62.5° | 212.1 | 213.5 | 214.9 | 212.1 | 209.3 | 207.9 | 202.3 | 194.0 | 188.4 | 175.8 | 166.0 |
| 65° | 192.6 | 188.4 | 187.0 | 185.6 | 182.8 | 178.6 | 174.4 | 164.7 | 160.4 | 149.3 | 139.6 |
| 67.5° | 163.3 | 161.8 | 164.7 | 160.4 | 153.5 | 153.5 | 149.3 | 141.0 | 131.1 | 124.2 | 114.4 |
| 70° | 139.6 | 138.1 | 135.4 | 131.1 | 129.8 | 124.2 | 124.2 | 114.4 | 111.7 | 99.1 | 90.7 |
| 72.5° | 114.4 | 114.4 | 110.3 | 106.1 | 101.8 | 99.1 | 97.7 | 90.7 | 86.6 | 79.5 | 72.5 |
| 75° | 86.6 | 86.6 | 85.1 | 80.9 | 78.1 | 75.4 | 74.0 | 68.4 | 64.2 | 57.3 | 53.0 |
| 77.5° | 61.4 | 61.4 | 55.8 | 53.0 | 54.4 | 51.6 | 48.8 | 47.5 | 46.1 | 41.9 | 36.3 |
| 80° | 36.3 | 34.9 | 30.7 | 32.0 | 30.7 | 30.7 | 29.3 | 27.9 | 25.1 | 22.3 | 19.5 |
| 82.5° | 9.8 | 11.2 | 11.2 | 11.2 | 12.6 | 9.8 | 9.8 | 9.8 | 11.2 | 11.2 | 7.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 |
| 87.5° | 1.4 | 2.7 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 4.2 | 4.2 | 4.2 | 2.7 |
| 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: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 |
| 2.5° | 1177.8 | 1176.4 | 1177.8 | 1167.9 | 1190.3 | 1173.5 | 1170.8 | 1167.9 | 1177.8 | 1167.9 | 1154.0 |
| 5° | 1202.8 | 1188.9 | 1184.7 | 1180.6 | 1193.1 | 1173.5 | 1169.4 | 1170.8 | 1163.8 | 1145.7 | 1147.1 |
| 7.5° | 1211.3 | 1198.7 | 1186.2 | 1159.6 | 1170.8 | 1166.6 | 1155.4 | 1147.1 | 1135.9 | 1120.5 | 1117.7 |
| 10° | 1214.0 | 1200.1 | 1181.9 | 1173.5 | 1156.9 | 1151.3 | 1147.1 | 1133.1 | 1119.1 | 1092.7 | 1085.7 |
| 12.5° | 1205.7 | 1188.9 | 1166.6 | 1159.6 | 1147.1 | 1128.9 | 1119.1 | 1105.2 | 1092.7 | 1071.7 | 1056.4 |
| 15° | 1169.4 | 1155.4 | 1148.5 | 1124.7 | 1119.1 | 1107.9 | 1088.4 | 1069.0 | 1050.8 | 1022.8 | 1014.5 |
| 17.5° | 1127.6 | 1122.0 | 1115.0 | 1096.8 | 1095.4 | 1084.3 | 1066.1 | 1049.3 | 1025.6 | 982.4 | 968.5 |
| 20° | 1084.3 | 1084.3 | 1062.0 | 1054.9 | 1069.0 | 1046.6 | 1032.7 | 1017.3 | 968.5 | 947.5 | 922.4 |
| 22.5° | 1052.2 | 1036.8 | 1024.2 | 1013.1 | 1014.5 | 1000.5 | 981.0 | 950.3 | 932.2 | 907.0 | 877.7 |
| 25° | 989.4 | 994.9 | 967.1 | 962.9 | 967.1 | 934.9 | 925.2 | 900.0 | 873.6 | 849.8 | 827.5 |
| 27.5° | 950.3 | 934.9 | 916.8 | 901.4 | 901.4 | 888.9 | 861.1 | 855.5 | 814.9 | 792.6 | 764.7 |
| 30° | 891.7 | 880.5 | 865.1 | 842.9 | 840.1 | 830.2 | 808.0 | 794.0 | 752.1 | 718.7 | 703.3 |
| 32.5° | 817.7 | 813.6 | 800.9 | 775.9 | 767.5 | 756.3 | 728.4 | 704.7 | 685.2 | 647.4 | 629.3 |
| 35° | 764.7 | 749.4 | 722.8 | 702.0 | 695.0 | 675.4 | 653.0 | 636.4 | 615.4 | 581.9 | 558.2 |
| 37.5° | 685.2 | 669.8 | 644.7 | 619.6 | 619.6 | 600.0 | 569.3 | 552.6 | 523.3 | 503.7 | 484.2 |
| 40° | 615.4 | 595.9 | 570.8 | 541.5 | 537.3 | 509.3 | 496.8 | 468.8 | 450.7 | 420.0 | 417.3 |
| 42.5° | 537.3 | 519.1 | 496.8 | 474.4 | 457.7 | 443.8 | 411.7 | 390.7 | 371.2 | 355.8 | 351.6 |
| 45° | 466.1 | 442.4 | 422.9 | 394.9 | 378.2 | 361.4 | 340.5 | 326.5 | 311.2 | 294.5 | 284.7 |
| 47.5° | 404.6 | 385.1 | 357.2 | 332.1 | 315.4 | 307.0 | 283.3 | 267.9 | 255.3 | 244.2 | 237.2 |
| 50° | 341.9 | 318.2 | 302.8 | 274.8 | 272.1 | 252.6 | 233.0 | 220.5 | 213.5 | 203.7 | 194.0 |
| 52.5° | 294.5 | 272.1 | 251.1 | 230.3 | 219.1 | 212.1 | 194.0 | 181.4 | 171.7 | 164.7 | 159.1 |
| 55° | 248.4 | 228.9 | 212.1 | 191.2 | 184.2 | 174.4 | 153.5 | 150.7 | 141.0 | 131.1 | 124.2 |
| 57.5° | 213.5 | 195.3 | 175.8 | 161.8 | 149.3 | 142.4 | 125.6 | 114.4 | 108.8 | 100.5 | 93.5 |
| 60° | 181.4 | 161.8 | 146.5 | 129.8 | 124.2 | 114.4 | 101.8 | 92.2 | 85.1 | 78.1 | 71.2 |
| 62.5° | 152.1 | 135.4 | 118.6 | 104.7 | 96.2 | 90.7 | 80.9 | 72.5 | 65.6 | 60.0 | 54.4 |
| 65° | 125.6 | 110.3 | 96.2 | 82.3 | 78.1 | 71.2 | 64.2 | 57.3 | 51.6 | 44.7 | 39.1 |
| 67.5° | 103.2 | 89.3 | 75.4 | 65.6 | 61.4 | 58.6 | 50.2 | 43.2 | 39.1 | 34.9 | 29.3 |
| 70° | 80.9 | 71.2 | 60.0 | 51.6 | 47.5 | 43.2 | 37.6 | 33.5 | 27.9 | 25.1 | 21.0 |
| 72.5° | 62.9 | 54.4 | 44.7 | 37.6 | 34.9 | 32.0 | 26.5 | 22.3 | 19.5 | 16.7 | 13.9 |
| 75° | 44.7 | 37.6 | 32.0 | 25.1 | 23.7 | 22.3 | 18.1 | 15.4 | 12.6 | 9.8 | 8.3 |
| 77.5° | 30.7 | 25.1 | 19.5 | 16.7 | 15.4 | 12.6 | 11.2 | 8.3 | 7.0 | 5.6 | 4.2 |
| 80° | 16.7 | 12.6 | 9.8 | 8.3 | 7.0 | 5.6 | 5.6 | 4.2 | 2.7 | 2.7 | 1.4 |
| 82.5° | 5.6 | 4.2 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 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 |



TEST NUMBER: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 |
| 2.5° | 1162.5 | 1147.1 | 1151.3 | 1151.3 | 1148.5 | 1148.5 | 1145.7 | 1141.5 | 1142.9 | 1134.5 | 1116.4 |
| 5° | 1149.8 | 1130.3 | 1127.6 | 1130.3 | 1119.1 | 1116.4 | 1110.8 | 1119.1 | 1094.0 | 1103.8 | 1092.7 |
| 7.5° | 1113.6 | 1095.4 | 1091.3 | 1101.0 | 1087.1 | 1078.6 | 1077.3 | 1088.4 | 1066.1 | 1054.9 | 1042.4 |
| 10° | 1073.0 | 1066.1 | 1053.5 | 1046.6 | 1042.4 | 1043.7 | 1032.7 | 1018.7 | 1014.5 | 1011.7 | 1000.5 |
| 12.5° | 1036.8 | 1021.5 | 1010.3 | 1001.9 | 999.2 | 999.2 | 981.0 | 978.2 | 965.6 | 962.9 | 946.1 |
| 15° | 993.5 | 975.4 | 968.5 | 957.3 | 947.5 | 953.1 | 932.2 | 926.6 | 922.4 | 904.3 | 907.0 |
| 17.5° | 955.9 | 936.3 | 919.7 | 912.6 | 904.3 | 895.8 | 876.3 | 880.5 | 870.7 | 870.7 | 845.7 |
| 20° | 907.0 | 886.1 | 873.6 | 859.6 | 859.6 | 848.4 | 834.5 | 835.8 | 823.3 | 810.8 | 788.4 |
| 22.5° | 855.5 | 833.1 | 817.7 | 812.1 | 798.2 | 795.5 | 778.7 | 774.5 | 757.7 | 759.1 | 739.6 |
| 25° | 800.9 | 778.7 | 757.7 | 759.1 | 746.6 | 741.0 | 731.3 | 711.7 | 704.7 | 696.4 | 690.8 |
| 27.5° | 736.8 | 721.4 | 703.3 | 702.0 | 678.2 | 679.6 | 667.1 | 661.5 | 644.7 | 648.9 | 636.4 |
| 30° | 678.2 | 655.9 | 639.1 | 634.9 | 625.2 | 622.4 | 602.9 | 594.5 | 597.3 | 586.1 | 579.1 |
| 32.5° | 618.2 | 584.7 | 577.7 | 569.3 | 563.7 | 556.8 | 542.8 | 548.4 | 535.9 | 538.6 | 527.4 |
| 35° | 538.6 | 524.7 | 506.6 | 506.6 | 501.0 | 495.4 | 485.6 | 491.2 | 478.7 | 473.1 | 461.9 |
| 37.5° | 471.7 | 459.2 | 441.0 | 446.6 | 436.8 | 428.4 | 420.0 | 421.4 | 410.2 | 408.9 | 397.7 |
| 40° | 399.0 | 392.1 | 379.6 | 379.6 | 372.6 | 372.6 | 368.3 | 364.3 | 357.2 | 348.9 | 336.3 |
| 42.5° | 330.7 | 325.1 | 319.5 | 320.9 | 311.2 | 319.5 | 308.4 | 315.4 | 293.1 | 291.6 | 283.3 |
| 45° | 280.4 | 267.9 | 269.4 | 263.8 | 258.2 | 260.9 | 251.1 | 254.0 | 241.4 | 238.6 | 230.3 |
| 47.5° | 227.4 | 223.3 | 214.9 | 212.1 | 212.1 | 207.9 | 203.7 | 202.3 | 196.7 | 189.8 | 178.6 |
| 50° | 187.0 | 171.7 | 168.9 | 164.7 | 161.8 | 161.8 | 156.3 | 147.9 | 149.3 | 142.4 | 131.1 |
| 52.5° | 146.5 | 134.0 | 128.4 | 127.0 | 121.5 | 118.6 | 111.7 | 106.1 | 101.8 | 99.1 | 92.2 |
| 55° | 113.0 | 101.8 | 94.9 | 94.9 | 86.6 | 86.6 | 76.8 | 72.5 | 66.9 | 61.4 | 57.3 |
| 57.5° | 85.1 | 79.5 | 72.5 | 66.9 | 64.2 | 57.3 | 51.6 | 44.7 | 40.5 | 32.0 | 26.5 |
| 60° | 64.2 | 58.6 | 51.6 | 47.5 | 44.7 | 37.6 | 30.7 | 25.1 | 15.4 | 12.6 | 11.2 |
| 62.5° | 47.5 | 41.9 | 34.9 | 32.0 | 29.3 | 23.7 | 16.7 | 8.3 | 4.2 | 4.2 | 4.2 |
| 65° | 34.9 | 27.9 | 22.3 | 19.5 | 16.7 | 12.6 | 5.6 | 2.7 | 1.4 | 1.4 | 1.4 |
| 67.5° | 23.7 | 18.1 | 12.6 | 11.2 | 8.3 | 4.2 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 70° | 15.4 | 11.2 | 5.6 | 4.2 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 72.5° | 9.8 | 5.6 | 2.7 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 5.6 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.7 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 |
| 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: P563809

CATALOG NUMBER: LD4C25D010 EX4C259030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 | 1163.8 |
| 2.5° | 1135.9 | 1126.1 | 1131.7 | 1119.1 | 1124.7 | 1134.5 | 1127.6 | 1130.3 |
| 5° | 1096.8 | 1091.3 | 1084.3 | 1066.1 | 1080.1 | 1091.3 | 1085.7 | 1084.3 |
| 7.5° | 1054.9 | 1035.4 | 1045.2 | 1039.6 | 1036.8 | 1048.0 | 1035.4 | 1049.3 |
| 10° | 1011.7 | 997.8 | 996.3 | 986.6 | 986.6 | 994.9 | 996.3 | 988.0 |
| 12.5° | 947.5 | 940.6 | 940.6 | 939.2 | 937.8 | 946.1 | 947.5 | 943.4 |
| 15° | 901.4 | 898.7 | 891.7 | 890.4 | 881.9 | 894.4 | 895.8 | 894.4 |
| 17.5° | 845.7 | 847.0 | 840.1 | 840.1 | 845.7 | 849.8 | 838.7 | 849.8 |
| 20° | 808.0 | 800.9 | 798.2 | 785.6 | 792.6 | 799.6 | 799.6 | 800.9 |
| 22.5° | 753.5 | 742.4 | 746.6 | 739.6 | 735.3 | 745.2 | 745.2 | 749.4 |
| 25° | 692.1 | 692.1 | 695.0 | 690.8 | 693.5 | 699.1 | 695.0 | 704.7 |
| 27.5° | 633.5 | 639.1 | 639.1 | 633.5 | 636.4 | 653.0 | 660.1 | 648.9 |
| 30° | 579.1 | 580.5 | 584.7 | 581.9 | 590.3 | 595.9 | 594.5 | 602.9 |
| 32.5° | 517.8 | 524.7 | 527.4 | 523.3 | 526.1 | 538.6 | 531.7 | 530.3 |
| 35° | 470.3 | 457.7 | 456.3 | 457.7 | 463.2 | 466.1 | 463.2 | 473.1 |
| 37.5° | 401.9 | 397.7 | 392.1 | 393.6 | 397.7 | 403.3 | 406.1 | 413.1 |
| 40° | 336.3 | 330.7 | 330.7 | 329.4 | 325.1 | 340.5 | 340.5 | 340.5 |
| 42.5° | 279.1 | 277.7 | 270.8 | 270.8 | 276.3 | 280.4 | 277.7 | 287.5 |
| 45° | 228.9 | 223.3 | 219.1 | 219.1 | 223.3 | 223.3 | 227.4 | 226.0 |
| 47.5° | 180.0 | 174.4 | 175.8 | 171.7 | 175.8 | 181.4 | 174.4 | 175.8 |
| 50° | 135.4 | 135.4 | 132.5 | 135.4 | 134.0 | 135.4 | 132.5 | 129.8 |
| 52.5° | 92.2 | 104.7 | 106.1 | 100.5 | 87.9 | 76.8 | 69.8 | 75.4 |
| 55° | 53.0 | 47.5 | 47.5 | 46.1 | 43.2 | 41.9 | 37.6 | 41.9 |
| 57.5° | 26.5 | 23.7 | 23.7 | 23.7 | 22.3 | 21.0 | 18.1 | 18.1 |
| 60° | 11.2 | 9.8 | 9.8 | 8.3 | 7.0 | 5.6 | 4.2 | 5.6 |
| 62.5° | 4.2 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 65° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 70° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 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 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)