

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: P246219

Luminaire Tested: **LSR8B30D010 EC8B30935 8LBDW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30935 8LBDW0MW
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

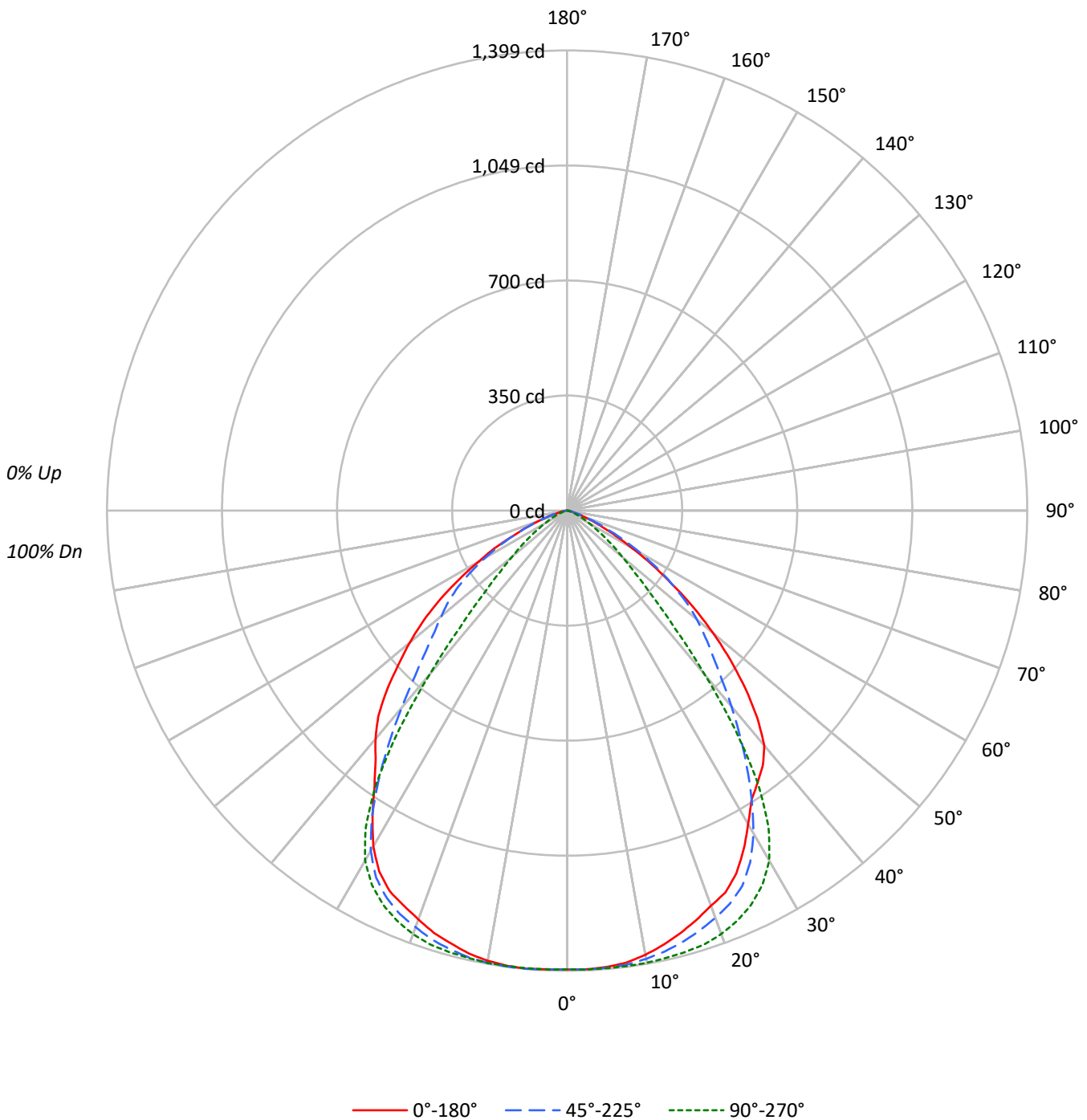
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

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 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | | | | 90 | | | |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 | | | | | 55 | | | |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | | | 50 | | | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | | | 37 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 43017 | 43017 | 43017 |
| 5° | 43113 | 43227 | 43274 |
| 10° | 42932 | 43705 | 43517 |
| 15° | 42456 | 44343 | 43506 |
| 20° | 41945 | 44967 | 43395 |
| 25° | 41401 | 45017 | 43439 |
| 30° | 39167 | 43754 | 41966 |
| 35° | 37998 | 38024 | 38420 |
| 40° | 37529 | 26165 | 36474 |
| 45° | 33439 | 15708 | 33897 |
| 50° | 27805 | 10453 | 29959 |
| 55° | 20854 | 7204 | 25402 |
| 60° | 14129 | 4804 | 19168 |
| 65° | 8522 | 3116 | 13170 |
| 70° | 4724 | 1686 | 8105 |
| 75° | 2145 | 715 | 4194 |
| 80° | 1865 | 799 | 2930 |
| 85° | 2123 | 1061 | 2901 |



TEST NUMBER: P246219

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.1 | 5.0 |
| 10°-20° | 386.6 | 14.6 |
| 20°-30° | 586.9 | 22.2 |
| 30°-40° | 616.4 | 23.3 |
| 40°-50° | 462.1 | 17.5 |
| 50°-60° | 296.5 | 11.2 |
| 60°-70° | 126.8 | 4.8 |
| 70°-80° | 30.0 | 1.1 |
| 80°-90° | 5.6 | 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° | 1106.6 | 41.9 |
| 0°-40° | 1723.0 | 65.2 |
| 0°-60° | 2481.6 | 93.9 |
| 0°-90° | 2644.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2644.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1395 | 1395 | 1395 | 1395 | 1395 | |
| 5° | 1393 | 1395 | 1396 | 1399 | 1398 | 132 |
| 15° | 1330 | 1358 | 1389 | 1380 | 1363 | 375 |
| 25° | 1217 | 1260 | 1323 | 1299 | 1277 | 556 |
| 35° | 1009 | 953 | 1010 | 998 | 1021 | 634 |
| 45° | 767 | 627 | 360 | 609 | 777 | 587 |
| 55° | 388 | 388 | 134 | 404 | 472 | 352 |
| 65° | 117 | 138 | 43 | 178 | 180 | 125 |
| 75° | 18 | 21 | 6 | 36 | 35 | 26 |
| 85° | 6 | 4 | 3 | 6 | 8 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 |
| 2.5° | 1395.8 | 1397.3 | 1396.5 | 1396.5 | 1395.8 | 1396.5 | 1396.5 | 1398.0 | 1398.0 | 1396.5 | 1395.8 |
| 5° | 1392.8 | 1394.3 | 1394.3 | 1392.8 | 1392.8 | 1396.5 | 1394.3 | 1395.8 | 1395.8 | 1395.0 | 1395.0 |
| 7.5° | 1386.0 | 1386.0 | 1389.0 | 1386.8 | 1386.8 | 1389.0 | 1388.3 | 1389.8 | 1391.3 | 1392.0 | 1392.0 |
| 10° | 1371.1 | 1372.6 | 1373.3 | 1373.3 | 1374.1 | 1376.3 | 1377.8 | 1380.8 | 1382.3 | 1383.8 | 1384.5 |
| 12.5° | 1352.4 | 1354.6 | 1355.3 | 1354.6 | 1356.8 | 1359.8 | 1363.6 | 1367.3 | 1369.6 | 1372.6 | 1374.8 |
| 15° | 1329.9 | 1329.9 | 1331.4 | 1333.6 | 1335.1 | 1339.6 | 1343.4 | 1347.8 | 1353.8 | 1357.6 | 1361.3 |
| 17.5° | 1305.2 | 1306.7 | 1308.9 | 1308.9 | 1311.9 | 1319.4 | 1321.6 | 1328.4 | 1335.1 | 1338.9 | 1346.4 |
| 20° | 1278.2 | 1279.7 | 1282.0 | 1283.5 | 1287.2 | 1293.2 | 1297.7 | 1303.7 | 1311.2 | 1317.9 | 1325.4 |
| 22.5° | 1257.2 | 1254.3 | 1255.7 | 1257.2 | 1261.0 | 1266.2 | 1271.5 | 1279.0 | 1286.4 | 1293.2 | 1300.7 |
| 25° | 1216.8 | 1217.6 | 1219.8 | 1221.3 | 1225.8 | 1230.3 | 1236.3 | 1245.3 | 1252.0 | 1259.5 | 1267.7 |
| 27.5° | 1162.2 | 1162.9 | 1166.6 | 1166.6 | 1170.4 | 1177.9 | 1181.6 | 1189.1 | 1198.1 | 1205.6 | 1215.3 |
| 30° | 1100.0 | 1101.5 | 1101.5 | 1104.5 | 1106.7 | 1110.5 | 1114.2 | 1121.7 | 1126.2 | 1132.9 | 1146.4 |
| 32.5° | 1043.1 | 1044.6 | 1043.8 | 1043.1 | 1040.8 | 1040.1 | 1039.3 | 1040.8 | 1042.3 | 1044.6 | 1049.8 |
| 35° | 1009.4 | 1005.6 | 1002.7 | 997.4 | 991.4 | 983.9 | 977.2 | 968.2 | 960.0 | 953.2 | 945.7 |
| 37.5° | 977.2 | 976.4 | 972.0 | 964.5 | 952.5 | 939.0 | 923.3 | 903.8 | 884.3 | 863.4 | 843.2 |
| 40° | 932.3 | 930.0 | 926.3 | 915.8 | 902.3 | 885.8 | 864.9 | 840.9 | 809.5 | 777.3 | 744.3 |
| 42.5° | 855.9 | 856.6 | 852.1 | 843.9 | 831.2 | 815.4 | 793.7 | 767.5 | 733.8 | 695.6 | 653.0 |
| 45° | 766.8 | 766.8 | 765.3 | 758.5 | 749.6 | 736.8 | 720.4 | 698.6 | 665.7 | 626.7 | 581.1 |
| 47.5° | 673.9 | 674.7 | 672.4 | 670.9 | 667.2 | 659.0 | 647.0 | 630.5 | 607.3 | 569.8 | 524.2 |
| 50° | 579.6 | 579.6 | 583.3 | 582.6 | 582.6 | 579.6 | 574.3 | 564.6 | 544.4 | 514.4 | 471.8 |
| 52.5° | 485.2 | 486.7 | 489.0 | 492.0 | 495.7 | 501.7 | 495.7 | 491.2 | 478.5 | 455.3 | 418.6 |
| 55° | 387.9 | 389.4 | 393.1 | 398.4 | 402.9 | 408.9 | 410.3 | 410.3 | 403.6 | 387.9 | 360.2 |
| 57.5° | 304.8 | 302.5 | 305.5 | 310.0 | 316.0 | 322.0 | 326.5 | 331.7 | 331.0 | 320.5 | 298.0 |
| 60° | 229.1 | 229.9 | 232.1 | 236.6 | 241.1 | 246.4 | 252.4 | 256.8 | 259.1 | 253.9 | 239.6 |
| 62.5° | 167.0 | 167.0 | 170.0 | 174.5 | 176.7 | 184.2 | 187.9 | 190.2 | 192.4 | 191.7 | 182.7 |
| 65° | 116.8 | 118.3 | 119.8 | 122.1 | 124.3 | 128.8 | 131.0 | 135.5 | 137.0 | 137.8 | 131.0 |
| 67.5° | 82.4 | 80.1 | 81.6 | 83.1 | 85.4 | 88.4 | 92.9 | 92.9 | 95.1 | 95.1 | 90.6 |
| 70° | 52.4 | 52.4 | 53.2 | 55.4 | 56.9 | 57.7 | 59.2 | 60.6 | 62.9 | 62.1 | 62.1 |
| 72.5° | 35.2 | 34.4 | 35.2 | 35.9 | 36.7 | 38.9 | 38.9 | 39.7 | 41.2 | 41.9 | 38.9 |
| 75° | 18.0 | 18.7 | 20.2 | 19.5 | 21.7 | 20.2 | 21.0 | 23.2 | 22.5 | 21.0 | 21.0 |
| 77.5° | 15.0 | 15.0 | 15.0 | 14.2 | 15.7 | 15.7 | 15.0 | 16.5 | 15.7 | 15.7 | 15.0 |
| 80° | 10.5 | 11.2 | 10.5 | 9.7 | 10.5 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.0 |
| 82.5° | 8.2 | 6.7 | 7.5 | 6.7 | 7.5 | 7.5 | 6.7 | 6.0 | 6.0 | 6.7 | 6.0 |
| 85° | 6.0 | 4.5 | 5.2 | 5.2 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 3.7 | 3.7 |
| 87.5° | 3.7 | 2.3 | 2.3 | 2.3 | 3.0 | 3.0 | 3.0 | 2.3 | 3.0 | 3.0 | 1.5 |
| 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: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 |
| 2.5° | 1397.3 | 1396.5 | 1398.0 | 1397.3 | 1397.3 | 1396.5 | 1397.3 | 1396.5 | 1398.0 | 1395.0 | 1395.8 |
| 5° | 1397.3 | 1395.8 | 1396.5 | 1397.3 | 1398.0 | 1396.5 | 1396.5 | 1396.5 | 1398.0 | 1396.5 | 1397.3 |
| 7.5° | 1394.3 | 1393.5 | 1395.8 | 1397.3 | 1396.5 | 1395.8 | 1397.3 | 1396.5 | 1398.0 | 1397.3 | 1398.8 |
| 10° | 1388.3 | 1389.0 | 1390.5 | 1392.8 | 1393.5 | 1394.3 | 1395.8 | 1395.8 | 1398.0 | 1395.0 | 1396.5 |
| 12.5° | 1379.3 | 1382.3 | 1386.0 | 1387.5 | 1390.5 | 1390.5 | 1392.0 | 1392.8 | 1394.3 | 1393.5 | 1395.8 |
| 15° | 1368.1 | 1371.8 | 1376.3 | 1380.1 | 1383.8 | 1386.0 | 1388.3 | 1389.0 | 1391.3 | 1389.0 | 1389.8 |
| 17.5° | 1354.6 | 1359.1 | 1365.8 | 1370.3 | 1376.3 | 1378.6 | 1381.5 | 1383.0 | 1385.3 | 1383.8 | 1384.5 |
| 20° | 1335.9 | 1341.1 | 1348.6 | 1355.3 | 1359.1 | 1364.3 | 1368.1 | 1370.3 | 1371.8 | 1370.3 | 1371.1 |
| 22.5° | 1309.7 | 1317.2 | 1326.9 | 1332.1 | 1339.6 | 1344.1 | 1344.9 | 1350.1 | 1353.8 | 1350.1 | 1351.6 |
| 25° | 1279.0 | 1286.4 | 1293.9 | 1305.2 | 1311.9 | 1317.2 | 1322.4 | 1323.1 | 1326.9 | 1326.1 | 1325.4 |
| 27.5° | 1228.0 | 1237.8 | 1250.5 | 1259.5 | 1268.5 | 1276.7 | 1282.7 | 1284.2 | 1288.0 | 1286.4 | 1287.2 |
| 30° | 1158.4 | 1168.9 | 1180.9 | 1195.1 | 1207.8 | 1216.1 | 1223.5 | 1228.8 | 1232.5 | 1230.3 | 1229.5 |
| 32.5° | 1059.6 | 1070.0 | 1082.8 | 1097.0 | 1112.0 | 1124.0 | 1132.9 | 1139.7 | 1144.2 | 1142.7 | 1138.9 |
| 35° | 946.5 | 949.5 | 957.7 | 969.0 | 981.7 | 994.4 | 1002.7 | 1010.1 | 1015.4 | 1016.9 | 1016.9 |
| 37.5° | 830.4 | 820.7 | 814.7 | 814.7 | 822.2 | 827.4 | 834.9 | 839.4 | 847.7 | 850.6 | 852.9 |
| 40° | 718.1 | 695.6 | 674.7 | 659.0 | 648.5 | 647.7 | 647.7 | 650.0 | 657.5 | 667.2 | 676.2 |
| 42.5° | 617.8 | 581.8 | 549.6 | 520.4 | 499.5 | 487.5 | 482.2 | 483.0 | 489.0 | 498.0 | 512.9 |
| 45° | 537.6 | 492.7 | 452.3 | 417.1 | 388.6 | 369.9 | 360.9 | 360.2 | 364.7 | 375.1 | 391.6 |
| 47.5° | 475.5 | 427.6 | 381.9 | 341.5 | 310.8 | 290.5 | 280.1 | 277.1 | 280.1 | 289.8 | 309.3 |
| 50° | 423.8 | 374.4 | 327.2 | 285.3 | 252.4 | 231.4 | 221.6 | 217.9 | 221.6 | 229.9 | 249.3 |
| 52.5° | 375.9 | 325.0 | 280.8 | 240.4 | 205.2 | 187.2 | 176.7 | 174.5 | 176.7 | 186.4 | 202.2 |
| 55° | 320.5 | 277.1 | 233.6 | 193.2 | 162.5 | 144.5 | 136.3 | 134.0 | 136.3 | 145.3 | 161.7 |
| 57.5° | 265.8 | 228.4 | 190.2 | 153.5 | 127.3 | 111.6 | 104.1 | 101.1 | 106.3 | 112.3 | 131.8 |
| 60° | 214.9 | 185.0 | 152.8 | 120.6 | 98.8 | 84.6 | 78.6 | 77.9 | 79.4 | 86.9 | 100.3 |
| 62.5° | 168.5 | 143.8 | 118.3 | 92.1 | 74.1 | 68.1 | 60.6 | 59.9 | 61.4 | 65.9 | 76.4 |
| 65° | 121.3 | 105.6 | 86.1 | 67.4 | 53.2 | 44.9 | 41.9 | 42.7 | 44.2 | 47.2 | 56.9 |
| 67.5° | 84.6 | 73.4 | 59.9 | 47.2 | 36.7 | 32.9 | 30.0 | 29.2 | 30.0 | 35.2 | 40.4 |
| 70° | 56.9 | 50.2 | 40.4 | 35.9 | 25.5 | 20.2 | 21.0 | 18.7 | 21.7 | 21.7 | 26.2 |
| 72.5° | 37.4 | 32.9 | 27.0 | 21.0 | 18.0 | 14.2 | 14.2 | 13.5 | 15.0 | 15.7 | 19.5 |
| 75° | 19.5 | 15.0 | 15.0 | 10.5 | 7.5 | 3.7 | 6.7 | 6.0 | 5.2 | 6.0 | 7.5 |
| 77.5° | 13.5 | 11.2 | 10.5 | 8.2 | 7.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.7 | 7.5 |
| 80° | 8.2 | 8.2 | 6.0 | 5.2 | 4.5 | 3.7 | 4.5 | 4.5 | 4.5 | 4.5 | 5.2 |
| 82.5° | 5.2 | 4.5 | 4.5 | 3.7 | 3.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.5 |
| 85° | 4.5 | 3.0 | 3.0 | 2.3 | 3.0 | 5.2 | 2.3 | 3.0 | 3.0 | 3.0 | 2.3 |
| 87.5° | 1.5 | 2.3 | 2.3 | 2.3 | 1.5 | 0.8 | 1.5 | 2.3 | 2.3 | 3.7 | 3.0 |
| 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: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1395.0 |
| 2.5° | 1397.3 | 1398.0 | 1398.0 | 1397.3 | 1397.3 | 1395.8 | 1398.8 | 1396.5 | 1397.3 | 1400.3 | 1398.0 |
| 5° | 1398.8 | 1399.5 | 1399.5 | 1398.8 | 1398.8 | 1398.8 | 1399.5 | 1399.5 | 1398.8 | 1398.0 | 1399.5 |
| 7.5° | 1401.8 | 1401.0 | 1401.0 | 1399.5 | 1399.5 | 1398.0 | 1399.5 | 1397.3 | 1398.8 | 1397.3 | 1399.5 |
| 10° | 1398.0 | 1398.8 | 1398.0 | 1397.3 | 1397.3 | 1396.5 | 1396.5 | 1394.3 | 1395.0 | 1392.8 | 1394.3 |
| 12.5° | 1395.8 | 1395.0 | 1395.0 | 1393.5 | 1392.0 | 1390.5 | 1389.8 | 1387.5 | 1387.5 | 1382.3 | 1384.5 |
| 15° | 1389.8 | 1390.5 | 1388.3 | 1385.3 | 1383.8 | 1380.1 | 1378.6 | 1375.6 | 1372.6 | 1368.8 | 1369.6 |
| 17.5° | 1384.5 | 1382.3 | 1379.3 | 1376.3 | 1370.3 | 1367.3 | 1364.3 | 1359.8 | 1358.3 | 1353.8 | 1352.4 |
| 20° | 1368.8 | 1367.3 | 1363.6 | 1358.3 | 1354.6 | 1347.8 | 1344.9 | 1340.4 | 1336.6 | 1332.1 | 1329.9 |
| 22.5° | 1348.6 | 1347.1 | 1342.6 | 1337.4 | 1331.4 | 1328.4 | 1325.4 | 1317.2 | 1313.4 | 1308.9 | 1308.2 |
| 25° | 1323.1 | 1320.9 | 1316.4 | 1310.4 | 1307.4 | 1299.2 | 1296.2 | 1290.2 | 1288.7 | 1284.2 | 1283.5 |
| 27.5° | 1284.2 | 1281.2 | 1276.0 | 1268.5 | 1263.2 | 1258.0 | 1255.0 | 1250.5 | 1249.0 | 1244.5 | 1243.8 |
| 30° | 1225.8 | 1222.0 | 1211.6 | 1208.6 | 1199.6 | 1194.3 | 1194.3 | 1188.4 | 1189.1 | 1186.1 | 1186.1 |
| 32.5° | 1133.7 | 1127.7 | 1119.5 | 1113.5 | 1107.5 | 1104.5 | 1104.5 | 1102.2 | 1103.7 | 1103.7 | 1105.2 |
| 35° | 1011.6 | 1003.4 | 998.9 | 995.2 | 995.2 | 998.2 | 1007.1 | 1009.4 | 1013.9 | 1017.6 | 1020.6 |
| 37.5° | 855.1 | 854.4 | 859.6 | 864.1 | 875.4 | 888.1 | 903.8 | 917.3 | 930.0 | 939.0 | 948.0 |
| 40° | 685.9 | 704.6 | 719.6 | 740.6 | 757.8 | 782.5 | 811.0 | 834.2 | 855.9 | 871.6 | 888.1 |
| 42.5° | 535.4 | 559.4 | 590.8 | 621.5 | 652.2 | 685.9 | 723.4 | 755.5 | 784.0 | 805.7 | 822.9 |
| 45° | 417.1 | 450.0 | 488.2 | 527.2 | 566.8 | 608.8 | 647.7 | 680.7 | 710.6 | 733.1 | 750.3 |
| 47.5° | 336.2 | 372.2 | 415.6 | 458.3 | 503.2 | 547.4 | 590.8 | 619.3 | 644.0 | 661.9 | 677.7 |
| 50° | 277.8 | 316.0 | 361.7 | 410.3 | 455.3 | 499.5 | 536.9 | 564.6 | 584.8 | 600.5 | 610.3 |
| 52.5° | 232.1 | 272.6 | 321.2 | 369.9 | 414.8 | 455.3 | 489.0 | 509.9 | 526.4 | 537.6 | 546.6 |
| 55° | 191.7 | 230.6 | 276.3 | 322.0 | 366.2 | 404.4 | 432.1 | 447.8 | 460.5 | 467.3 | 472.5 |
| 57.5° | 156.5 | 192.4 | 234.4 | 276.3 | 314.5 | 346.0 | 367.7 | 383.4 | 389.4 | 394.6 | 393.9 |
| 60° | 122.8 | 156.5 | 194.7 | 230.6 | 263.6 | 289.0 | 304.8 | 313.7 | 318.2 | 320.5 | 319.0 |
| 62.5° | 96.6 | 127.3 | 156.5 | 187.9 | 211.9 | 233.6 | 248.6 | 248.6 | 250.8 | 251.6 | 253.9 |
| 65° | 71.9 | 95.1 | 120.6 | 143.8 | 163.2 | 177.5 | 185.7 | 187.9 | 191.0 | 190.2 | 188.7 |
| 67.5° | 53.2 | 70.4 | 89.1 | 106.3 | 119.8 | 128.8 | 134.8 | 140.0 | 139.3 | 137.8 | 137.0 |
| 70° | 36.7 | 47.9 | 64.4 | 74.9 | 84.6 | 93.6 | 95.1 | 95.8 | 96.6 | 97.3 | 95.8 |
| 72.5° | 25.5 | 33.7 | 42.7 | 51.7 | 57.7 | 61.4 | 65.2 | 65.9 | 65.9 | 65.9 | 65.2 |
| 75° | 12.7 | 17.2 | 25.5 | 29.2 | 34.4 | 35.9 | 38.9 | 38.9 | 41.2 | 38.2 | 37.4 |
| 77.5° | 11.2 | 13.5 | 18.0 | 21.0 | 23.2 | 25.5 | 26.2 | 28.5 | 27.7 | 26.2 | 27.0 |
| 80° | 6.7 | 8.2 | 11.2 | 12.7 | 15.7 | 16.5 | 17.2 | 18.0 | 17.2 | 18.0 | 18.0 |
| 82.5° | 5.2 | 6.0 | 7.5 | 7.5 | 9.7 | 9.7 | 10.5 | 10.5 | 11.2 | 11.2 | 11.2 |
| 85° | 3.0 | 5.2 | 4.5 | 9.0 | 6.0 | 6.0 | 7.5 | 9.0 | 7.5 | 7.5 | 9.0 |
| 87.5° | 3.0 | 3.0 | 2.3 | 3.0 | 3.0 | 3.0 | 3.7 | 4.5 | 4.5 | 5.2 | 4.5 |
| 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: P246219

CATALOG NUMBER: LSR8B30D010 EC8B30935 8LBDW0MW

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1395.0 | 1395.0 | 1395.0 | 1395.0 |
| 2.5° | 1397.3 | 1398.8 | 1396.5 | 1395.8 |
| 5° | 1399.5 | 1399.5 | 1398.0 | 1398.0 |
| 7.5° | 1399.5 | 1399.5 | 1397.3 | 1395.8 |
| 10° | 1393.5 | 1393.5 | 1391.3 | 1389.8 |
| 12.5° | 1382.3 | 1382.3 | 1381.5 | 1379.3 |
| 15° | 1368.1 | 1368.1 | 1365.1 | 1362.8 |
| 17.5° | 1348.6 | 1350.1 | 1346.4 | 1346.4 |
| 20° | 1327.6 | 1326.9 | 1323.9 | 1322.4 |
| 22.5° | 1305.9 | 1304.4 | 1303.7 | 1299.2 |
| 25° | 1282.7 | 1281.2 | 1279.0 | 1276.7 |
| 27.5° | 1243.0 | 1242.3 | 1240.0 | 1237.0 |
| 30° | 1182.4 | 1181.6 | 1178.6 | 1178.6 |
| 32.5° | 1103.7 | 1103.0 | 1100.0 | 1100.8 |
| 35° | 1022.1 | 1025.1 | 1023.6 | 1020.6 |
| 37.5° | 954.0 | 956.2 | 957.7 | 956.2 |
| 40° | 897.1 | 903.8 | 904.6 | 906.1 |
| 42.5° | 836.4 | 845.4 | 848.4 | 849.9 |
| 45° | 763.8 | 772.0 | 778.8 | 777.3 |
| 47.5° | 689.6 | 695.6 | 701.6 | 697.1 |
| 50° | 618.5 | 622.3 | 624.5 | 624.5 |
| 52.5° | 551.1 | 551.1 | 550.4 | 551.1 |
| 55° | 474.0 | 474.0 | 471.0 | 472.5 |
| 57.5° | 393.1 | 394.6 | 392.4 | 388.6 |
| 60° | 318.2 | 314.5 | 313.0 | 310.8 |
| 62.5° | 247.9 | 247.9 | 242.6 | 249.3 |
| 65° | 185.7 | 183.5 | 181.2 | 180.5 |
| 67.5° | 134.8 | 134.0 | 131.8 | 131.0 |
| 70° | 95.1 | 92.1 | 91.4 | 89.9 |
| 72.5° | 63.7 | 63.7 | 62.1 | 62.1 |
| 75° | 38.9 | 35.2 | 34.4 | 35.2 |
| 77.5° | 27.0 | 26.2 | 26.2 | 25.5 |
| 80° | 18.0 | 17.2 | 18.7 | 16.5 |
| 82.5° | 11.2 | 12.0 | 11.2 | 12.0 |
| 85° | 7.5 | 9.0 | 8.2 | 8.2 |
| 87.5° | 4.5 | 4.5 | 4.5 | 4.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)