

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: P246105

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBDW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246105  
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 EC8B30827 8LBDW0B  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2604.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 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

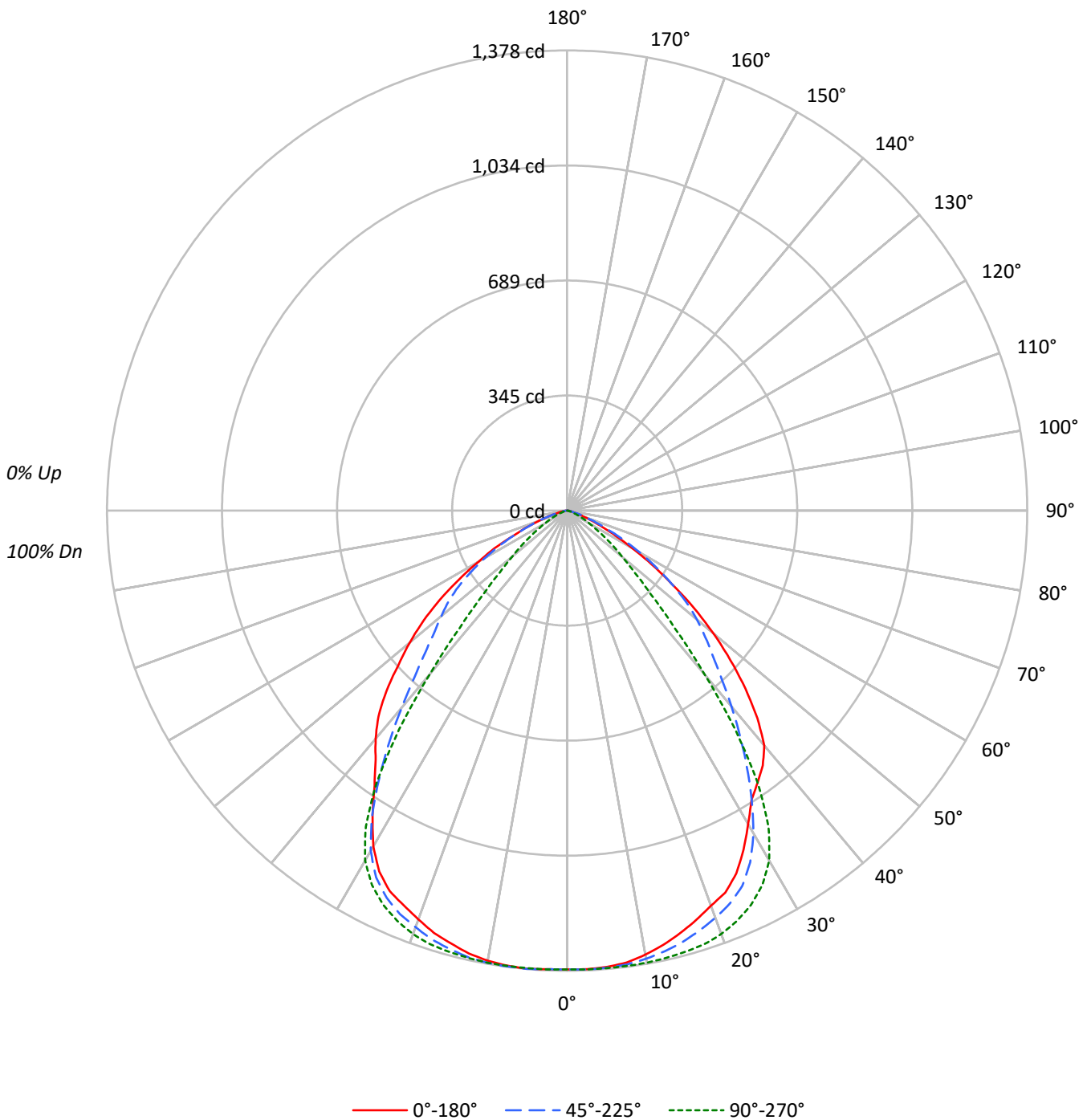
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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  | 52  | 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°  | 42366 | 42366 | 42366 |
| 5°  | 42460 | 42574 | 42621 |
| 10° | 42281 | 43045 | 42860 |
| 15° | 41814 | 43672 | 42849 |
| 20° | 41311 | 44288 | 42739 |
| 25° | 40774 | 44337 | 42782 |
| 30° | 38576 | 43091 | 41332 |
| 35° | 37422 | 37452 | 37840 |
| 40° | 36961 | 25767 | 35923 |
| 45° | 32934 | 15468 | 33383 |
| 50° | 27383 | 10295 | 29508 |
| 55° | 20537 | 7097  | 25015 |
| 60° | 13920 | 4730  | 18878 |
| 65° | 8398  | 3065  | 12966 |
| 70° | 4652  | 1659  | 7979  |
| 75° | 2109  | 703   | 4134  |
| 80° | 1829  | 781   | 2877  |
| 85° | 2087  | 1026  | 2866  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.1  | 5.0       |
| 10°-20°   | 380.8  | 14.6      |
| 20°-30°   | 578.0  | 22.2      |
| 30°-40°   | 607.0  | 23.3      |
| 40°-50°   | 455.1  | 17.5      |
| 50°-60°   | 292.0  | 11.2      |
| 60°-70°   | 124.9  | 4.8       |
| 70°-80°   | 29.5   | 1.1       |
| 80°-90°   | 5.5    | 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°    | 1089.9 | 41.9      |
| 0°-40°    | 1696.9 | 65.2      |
| 0°-60°    | 2444.1 | 93.9      |
| 0°-90°    | 2604.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2604.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1374 | 1374 | 1374 | 1374 | 1374 |      |
| 5°  | 1372 | 1374 | 1375 | 1378 | 1377 | 130  |
| 15° | 1310 | 1337 | 1368 | 1359 | 1342 | 369  |
| 25° | 1198 | 1240 | 1303 | 1280 | 1257 | 547  |
| 35° | 994  | 939  | 995  | 983  | 1005 | 624  |
| 45° | 755  | 617  | 355  | 600  | 766  | 578  |
| 55° | 382  | 382  | 132  | 398  | 465  | 347  |
| 65° | 115  | 136  | 42   | 175  | 178  | 123  |
| 75° | 18   | 21   | 6    | 35   | 35   | 26   |
| 85° | 6    | 4    | 3    | 6    | 8    | 6    |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 |
| 2.5°  | 1374.7 | 1376.1 | 1375.4 | 1375.4 | 1374.7 | 1375.4 | 1375.4 | 1376.9 | 1376.9 | 1375.4 | 1374.7 |
| 5°    | 1371.7 | 1373.2 | 1373.2 | 1371.7 | 1371.7 | 1375.4 | 1373.2 | 1374.7 | 1374.7 | 1373.9 | 1373.9 |
| 7.5°  | 1365.1 | 1365.1 | 1368.0 | 1365.8 | 1365.8 | 1368.0 | 1367.3 | 1368.8 | 1370.2 | 1371.0 | 1371.0 |
| 10°   | 1350.3 | 1351.8 | 1352.5 | 1352.5 | 1353.3 | 1355.5 | 1357.0 | 1359.9 | 1361.4 | 1362.9 | 1363.6 |
| 12.5° | 1331.9 | 1334.1 | 1334.8 | 1334.1 | 1336.3 | 1339.3 | 1343.0 | 1346.6 | 1348.9 | 1351.8 | 1354.0 |
| 15°   | 1309.8 | 1309.8 | 1311.2 | 1313.5 | 1314.9 | 1319.4 | 1323.0 | 1327.5 | 1333.4 | 1337.1 | 1340.7 |
| 17.5° | 1285.4 | 1286.9 | 1289.1 | 1289.1 | 1292.1 | 1299.4 | 1301.7 | 1308.3 | 1314.9 | 1318.6 | 1326.0 |
| 20°   | 1258.9 | 1260.3 | 1262.6 | 1264.0 | 1267.7 | 1273.6 | 1278.0 | 1283.9 | 1291.3 | 1298.0 | 1305.3 |
| 22.5° | 1238.2 | 1235.3 | 1236.7 | 1238.2 | 1241.9 | 1247.1 | 1252.2 | 1259.6 | 1267.0 | 1273.6 | 1281.0 |
| 25°   | 1198.4 | 1199.1 | 1201.4 | 1202.8 | 1207.3 | 1211.7 | 1217.6 | 1226.4 | 1233.1 | 1240.4 | 1248.5 |
| 27.5° | 1144.6 | 1145.3 | 1149.0 | 1149.0 | 1152.7 | 1160.1 | 1163.7 | 1171.1 | 1180.0 | 1187.3 | 1196.9 |
| 30°   | 1083.4 | 1084.8 | 1084.8 | 1087.8 | 1090.0 | 1093.7 | 1097.4 | 1104.7 | 1109.2 | 1115.8 | 1129.1 |
| 32.5° | 1027.3 | 1028.8 | 1028.0 | 1027.3 | 1025.1 | 1024.4 | 1023.6 | 1025.1 | 1026.6 | 1028.8 | 1033.9 |
| 35°   | 994.1  | 990.4  | 987.5  | 982.3  | 976.4  | 969.0  | 962.4  | 953.6  | 945.4  | 938.8  | 931.4  |
| 37.5° | 962.4  | 961.7  | 957.2  | 949.9  | 938.1  | 924.8  | 909.3  | 890.1  | 871.0  | 850.3  | 830.4  |
| 40°   | 918.2  | 915.9  | 912.3  | 901.9  | 888.7  | 872.4  | 851.8  | 828.2  | 797.2  | 765.5  | 733.1  |
| 42.5° | 842.9  | 843.7  | 839.3  | 831.1  | 818.6  | 803.1  | 781.7  | 755.9  | 722.7  | 685.1  | 643.1  |
| 45°   | 755.2  | 755.2  | 753.7  | 747.1  | 738.2  | 725.7  | 709.5  | 688.1  | 655.6  | 617.3  | 572.3  |
| 47.5° | 663.7  | 664.5  | 662.2  | 660.8  | 657.1  | 649.0  | 637.2  | 621.0  | 598.1  | 561.2  | 516.2  |
| 50°   | 570.8  | 570.8  | 574.5  | 573.8  | 573.8  | 570.8  | 565.7  | 556.1  | 536.2  | 506.6  | 464.6  |
| 52.5° | 477.9  | 479.4  | 481.6  | 484.5  | 488.2  | 494.1  | 488.2  | 483.8  | 471.2  | 448.4  | 412.3  |
| 55°   | 382.0  | 383.5  | 387.2  | 392.3  | 396.8  | 402.7  | 404.1  | 404.1  | 397.5  | 382.0  | 354.7  |
| 57.5° | 300.2  | 297.9  | 300.9  | 305.3  | 311.2  | 317.1  | 321.5  | 326.7  | 326.0  | 315.6  | 293.5  |
| 60°   | 225.7  | 226.4  | 228.6  | 233.0  | 237.5  | 242.6  | 248.5  | 253.0  | 255.2  | 250.0  | 236.0  |
| 62.5° | 164.5  | 164.5  | 167.4  | 171.8  | 174.0  | 181.4  | 185.1  | 187.3  | 189.5  | 188.8  | 179.9  |
| 65°   | 115.1  | 116.5  | 118.0  | 120.2  | 122.4  | 126.8  | 129.1  | 133.5  | 135.0  | 135.7  | 129.1  |
| 67.5° | 81.1   | 78.9   | 80.4   | 81.9   | 84.1   | 87.0   | 91.5   | 91.5   | 93.7   | 93.7   | 89.2   |
| 70°   | 51.6   | 51.6   | 52.4   | 54.6   | 56.0   | 56.8   | 58.3   | 59.7   | 61.9   | 61.2   | 61.2   |
| 72.5° | 34.7   | 33.9   | 34.7   | 35.4   | 36.1   | 38.3   | 38.3   | 39.1   | 40.6   | 41.3   | 38.3   |
| 75°   | 17.7   | 18.4   | 19.9   | 19.2   | 21.4   | 19.9   | 20.6   | 22.9   | 22.1   | 20.6   | 20.6   |
| 77.5° | 14.7   | 14.7   | 14.7   | 14.0   | 15.5   | 15.5   | 14.7   | 16.2   | 15.5   | 15.5   | 14.7   |
| 80°   | 10.3   | 11.1   | 10.3   | 9.6    | 10.3   | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 8.8    |
| 82.5° | 8.1    | 6.6    | 7.4    | 6.6    | 7.4    | 7.4    | 6.6    | 5.9    | 5.9    | 6.6    | 5.9    |
| 85°   | 5.9    | 4.4    | 5.2    | 5.2    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 3.7    | 3.7    |
| 87.5° | 3.7    | 2.2    | 2.2    | 2.2    | 2.9    | 2.9    | 2.9    | 2.2    | 2.9    | 2.9    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 |
| 2.5°  | 1376.1 | 1375.4 | 1376.9 | 1376.1 | 1376.1 | 1375.4 | 1376.1 | 1375.4 | 1376.9 | 1373.9 | 1374.7 |
| 5°    | 1376.1 | 1374.7 | 1375.4 | 1376.1 | 1376.9 | 1375.4 | 1375.4 | 1375.4 | 1376.9 | 1375.4 | 1376.1 |
| 7.5°  | 1373.2 | 1372.4 | 1374.7 | 1376.1 | 1375.4 | 1374.7 | 1376.1 | 1375.4 | 1376.9 | 1376.1 | 1377.6 |
| 10°   | 1367.3 | 1368.0 | 1369.5 | 1371.7 | 1372.4 | 1373.2 | 1374.7 | 1374.7 | 1376.9 | 1373.9 | 1375.4 |
| 12.5° | 1358.4 | 1361.4 | 1365.1 | 1366.5 | 1369.5 | 1369.5 | 1371.0 | 1371.7 | 1373.2 | 1372.4 | 1374.7 |
| 15°   | 1347.4 | 1351.1 | 1355.5 | 1359.2 | 1362.9 | 1365.1 | 1367.3 | 1368.0 | 1370.2 | 1368.0 | 1368.8 |
| 17.5° | 1334.1 | 1338.5 | 1345.2 | 1349.6 | 1355.5 | 1357.7 | 1360.6 | 1362.1 | 1364.3 | 1362.9 | 1363.6 |
| 20°   | 1315.7 | 1320.8 | 1328.2 | 1334.8 | 1338.5 | 1343.7 | 1347.4 | 1349.6 | 1351.1 | 1349.6 | 1350.3 |
| 22.5° | 1289.9 | 1297.2 | 1306.8 | 1312.0 | 1319.4 | 1323.8 | 1324.5 | 1329.7 | 1333.4 | 1329.7 | 1331.2 |
| 25°   | 1259.6 | 1267.0 | 1274.4 | 1285.4 | 1292.1 | 1297.2 | 1302.4 | 1303.1 | 1306.8 | 1306.1 | 1305.3 |
| 27.5° | 1209.5 | 1219.1 | 1231.6 | 1240.4 | 1249.3 | 1257.4 | 1263.3 | 1264.8 | 1268.5 | 1267.0 | 1267.7 |
| 30°   | 1140.9 | 1151.2 | 1163.0 | 1177.0 | 1189.6 | 1197.7 | 1205.0 | 1210.2 | 1213.9 | 1211.7 | 1210.9 |
| 32.5° | 1043.5 | 1053.9 | 1066.4 | 1080.4 | 1095.2 | 1106.9 | 1115.8 | 1122.4 | 1126.9 | 1125.4 | 1121.7 |
| 35°   | 932.2  | 935.1  | 943.2  | 954.3  | 966.8  | 979.4  | 987.5  | 994.9  | 1000.0 | 1001.5 | 1001.5 |
| 37.5° | 817.9  | 808.3  | 802.4  | 802.4  | 809.7  | 814.9  | 822.3  | 826.7  | 834.8  | 837.8  | 840.0  |
| 40°   | 707.2  | 685.1  | 664.5  | 649.0  | 638.7  | 637.9  | 637.9  | 640.1  | 647.5  | 657.1  | 665.9  |
| 42.5° | 608.4  | 573.0  | 541.3  | 512.5  | 491.9  | 480.1  | 474.9  | 475.7  | 481.6  | 490.4  | 505.2  |
| 45°   | 529.5  | 485.3  | 445.4  | 410.8  | 382.8  | 364.3  | 355.5  | 354.7  | 359.1  | 369.5  | 385.7  |
| 47.5° | 468.3  | 421.1  | 376.1  | 336.3  | 306.1  | 286.1  | 275.8  | 272.9  | 275.8  | 285.4  | 304.6  |
| 50°   | 417.4  | 368.7  | 322.3  | 281.0  | 248.5  | 227.9  | 218.3  | 214.6  | 218.3  | 226.4  | 245.6  |
| 52.5° | 370.2  | 320.1  | 276.6  | 236.7  | 202.1  | 184.4  | 174.0  | 171.8  | 174.0  | 183.6  | 199.1  |
| 55°   | 315.6  | 272.9  | 230.1  | 190.3  | 160.0  | 142.3  | 134.2  | 132.0  | 134.2  | 143.1  | 159.3  |
| 57.5° | 261.8  | 224.9  | 187.3  | 151.2  | 125.4  | 109.9  | 102.5  | 99.6   | 104.7  | 110.6  | 129.8  |
| 60°   | 211.6  | 182.2  | 150.4  | 118.7  | 97.4   | 83.3   | 77.4   | 76.7   | 78.2   | 85.6   | 98.8   |
| 62.5° | 165.9  | 141.6  | 116.5  | 90.7   | 73.0   | 67.1   | 59.7   | 59.0   | 60.5   | 64.9   | 75.2   |
| 65°   | 119.5  | 104.0  | 84.8   | 66.4   | 52.4   | 44.2   | 41.3   | 42.0   | 43.5   | 46.5   | 56.0   |
| 67.5° | 83.3   | 72.3   | 59.0   | 46.5   | 36.1   | 32.4   | 29.5   | 28.8   | 29.5   | 34.7   | 39.8   |
| 70°   | 56.0   | 49.4   | 39.8   | 35.4   | 25.1   | 19.9   | 20.6   | 18.4   | 21.4   | 21.4   | 25.8   |
| 72.5° | 36.9   | 32.4   | 26.5   | 20.6   | 17.7   | 14.0   | 14.0   | 13.3   | 14.7   | 15.5   | 19.2   |
| 75°   | 19.2   | 14.7   | 14.7   | 10.3   | 7.4    | 3.7    | 6.6    | 5.9    | 5.2    | 5.9    | 7.4    |
| 77.5° | 13.3   | 11.1   | 10.3   | 8.1    | 7.4    | 5.9    | 5.9    | 5.9    | 5.9    | 6.6    | 7.4    |
| 80°   | 8.1    | 8.1    | 5.9    | 5.2    | 4.4    | 3.7    | 4.4    | 4.4    | 4.4    | 4.4    | 5.2    |
| 82.5° | 5.2    | 4.4    | 4.4    | 3.7    | 3.7    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.4    |
| 85°   | 4.4    | 2.9    | 2.9    | 2.2    | 2.9    | 5.2    | 2.2    | 2.9    | 2.9    | 2.9    | 2.2    |
| 87.5° | 1.5    | 2.2    | 2.2    | 2.2    | 1.5    | 0.7    | 1.5    | 2.2    | 2.2    | 3.7    | 2.9    |
| 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: LSR8B30D010 EC8B30827 8LBDW0B

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 | 1373.9 |
| 2.5°  | 1376.1 | 1376.9 | 1376.9 | 1376.1 | 1376.1 | 1374.7 | 1377.6 | 1375.4 | 1376.1 | 1379.1 | 1376.9 |
| 5°    | 1377.6 | 1378.3 | 1378.3 | 1377.6 | 1377.6 | 1377.6 | 1378.3 | 1378.3 | 1377.6 | 1376.9 | 1378.3 |
| 7.5°  | 1380.6 | 1379.8 | 1379.8 | 1378.3 | 1378.3 | 1376.9 | 1378.3 | 1376.1 | 1377.6 | 1376.1 | 1378.3 |
| 10°   | 1376.9 | 1377.6 | 1376.9 | 1376.1 | 1376.1 | 1375.4 | 1375.4 | 1373.2 | 1373.9 | 1371.7 | 1373.2 |
| 12.5° | 1374.7 | 1373.9 | 1373.9 | 1372.4 | 1371.0 | 1369.5 | 1368.8 | 1366.5 | 1366.5 | 1361.4 | 1363.6 |
| 15°   | 1368.8 | 1369.5 | 1367.3 | 1364.3 | 1362.9 | 1359.2 | 1357.7 | 1354.7 | 1351.8 | 1348.1 | 1348.9 |
| 17.5° | 1363.6 | 1361.4 | 1358.4 | 1355.5 | 1349.6 | 1346.6 | 1343.7 | 1339.3 | 1337.8 | 1333.4 | 1331.9 |
| 20°   | 1348.1 | 1346.6 | 1343.0 | 1337.8 | 1334.1 | 1327.5 | 1324.5 | 1320.1 | 1316.4 | 1312.0 | 1309.8 |
| 22.5° | 1328.2 | 1326.7 | 1322.3 | 1317.1 | 1311.2 | 1308.3 | 1305.3 | 1297.2 | 1293.5 | 1289.1 | 1288.4 |
| 25°   | 1303.1 | 1300.9 | 1296.5 | 1290.6 | 1287.6 | 1279.5 | 1276.6 | 1270.7 | 1269.2 | 1264.8 | 1264.0 |
| 27.5° | 1264.8 | 1261.8 | 1256.7 | 1249.3 | 1244.1 | 1239.0 | 1236.0 | 1231.6 | 1230.1 | 1225.7 | 1225.0 |
| 30°   | 1207.3 | 1203.6 | 1193.2 | 1190.3 | 1181.4 | 1176.3 | 1176.3 | 1170.4 | 1171.1 | 1168.2 | 1168.2 |
| 32.5° | 1116.5 | 1110.6 | 1102.5 | 1096.6 | 1090.7 | 1087.8 | 1087.8 | 1085.6 | 1087.0 | 1087.0 | 1088.5 |
| 35°   | 996.3  | 988.2  | 983.8  | 980.1  | 980.1  | 983.1  | 991.9  | 994.1  | 998.6  | 1002.2 | 1005.2 |
| 37.5° | 842.2  | 841.5  | 846.6  | 851.1  | 862.1  | 874.7  | 890.1  | 903.4  | 915.9  | 924.8  | 933.6  |
| 40°   | 675.5  | 694.0  | 708.7  | 729.4  | 746.3  | 770.7  | 798.7  | 821.5  | 842.9  | 858.4  | 874.7  |
| 42.5° | 527.3  | 550.9  | 581.9  | 612.1  | 642.3  | 675.5  | 712.4  | 744.1  | 772.1  | 793.5  | 810.5  |
| 45°   | 410.8  | 443.2  | 480.8  | 519.2  | 558.3  | 599.6  | 637.9  | 670.4  | 699.9  | 722.0  | 739.0  |
| 47.5° | 331.1  | 366.5  | 409.3  | 451.3  | 495.6  | 539.1  | 581.9  | 609.9  | 634.2  | 651.9  | 667.4  |
| 50°   | 273.6  | 311.2  | 356.2  | 404.1  | 448.4  | 491.9  | 528.8  | 556.1  | 576.0  | 591.5  | 601.0  |
| 52.5° | 228.6  | 268.4  | 316.4  | 364.3  | 408.6  | 448.4  | 481.6  | 502.2  | 518.4  | 529.5  | 538.4  |
| 55°   | 188.8  | 227.1  | 272.1  | 317.1  | 360.6  | 398.2  | 425.5  | 441.0  | 453.5  | 460.2  | 465.3  |
| 57.5° | 154.1  | 189.5  | 230.8  | 272.1  | 309.7  | 340.7  | 362.1  | 377.6  | 383.5  | 388.7  | 387.9  |
| 60°   | 121.0  | 154.1  | 191.7  | 227.1  | 259.6  | 284.7  | 300.2  | 309.0  | 313.4  | 315.6  | 314.2  |
| 62.5° | 95.1   | 125.4  | 154.1  | 185.1  | 208.7  | 230.1  | 244.9  | 244.9  | 247.1  | 247.8  | 250.0  |
| 65°   | 70.8   | 93.7   | 118.7  | 141.6  | 160.8  | 174.8  | 182.9  | 185.1  | 188.1  | 187.3  | 185.8  |
| 67.5° | 52.4   | 69.3   | 87.8   | 104.7  | 118.0  | 126.8  | 132.7  | 137.9  | 137.2  | 135.7  | 135.0  |
| 70°   | 36.1   | 47.2   | 63.4   | 73.7   | 83.3   | 92.2   | 93.7   | 94.4   | 95.1   | 95.9   | 94.4   |
| 72.5° | 25.1   | 33.2   | 42.0   | 50.9   | 56.8   | 60.5   | 64.2   | 64.9   | 64.9   | 64.9   | 64.2   |
| 75°   | 12.5   | 17.0   | 25.1   | 28.8   | 33.9   | 35.4   | 38.3   | 38.3   | 40.6   | 37.6   | 36.9   |
| 77.5° | 11.1   | 13.3   | 17.7   | 20.6   | 22.9   | 25.1   | 25.8   | 28.0   | 27.3   | 25.8   | 26.5   |
| 80°   | 6.6    | 8.1    | 11.1   | 12.5   | 15.5   | 16.2   | 17.0   | 17.7   | 17.0   | 17.7   | 17.7   |
| 82.5° | 5.2    | 5.9    | 7.4    | 7.4    | 9.6    | 9.6    | 10.3   | 10.3   | 11.1   | 11.1   | 11.1   |
| 85°   | 2.9    | 5.2    | 4.4    | 8.8    | 5.9    | 5.9    | 7.4    | 8.8    | 7.4    | 7.4    | 8.8    |
| 87.5° | 2.9    | 2.9    | 2.2    | 2.9    | 2.9    | 2.9    | 3.7    | 4.4    | 4.4    | 5.2    | 4.4    |
| 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: P246105

CATALOG NUMBER: LSR8B30D010 EC8B30827 8LBDW0B

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1373.9 | 1373.9 | 1373.9 | 1373.9 |
| 2.5°  | 1376.1 | 1377.6 | 1375.4 | 1374.7 |
| 5°    | 1378.3 | 1378.3 | 1376.9 | 1376.9 |
| 7.5°  | 1378.3 | 1378.3 | 1376.1 | 1374.7 |
| 10°   | 1372.4 | 1372.4 | 1370.2 | 1368.8 |
| 12.5° | 1361.4 | 1361.4 | 1360.6 | 1358.4 |
| 15°   | 1347.4 | 1347.4 | 1344.4 | 1342.2 |
| 17.5° | 1328.2 | 1329.7 | 1326.0 | 1326.0 |
| 20°   | 1307.6 | 1306.8 | 1303.9 | 1302.4 |
| 22.5° | 1286.2 | 1284.7 | 1283.9 | 1279.5 |
| 25°   | 1263.3 | 1261.8 | 1259.6 | 1257.4 |
| 27.5° | 1224.2 | 1223.5 | 1221.3 | 1218.3 |
| 30°   | 1164.5 | 1163.7 | 1160.8 | 1160.8 |
| 32.5° | 1087.0 | 1086.3 | 1083.4 | 1084.1 |
| 35°   | 1006.7 | 1009.6 | 1008.1 | 1005.2 |
| 37.5° | 939.5  | 941.8  | 943.2  | 941.8  |
| 40°   | 883.5  | 890.1  | 890.9  | 892.4  |
| 42.5° | 823.8  | 832.6  | 835.6  | 837.0  |
| 45°   | 752.2  | 760.3  | 767.0  | 765.5  |
| 47.5° | 679.2  | 685.1  | 691.0  | 686.6  |
| 50°   | 609.2  | 612.8  | 615.1  | 615.1  |
| 52.5° | 542.8  | 542.8  | 542.1  | 542.8  |
| 55°   | 466.8  | 466.8  | 463.9  | 465.3  |
| 57.5° | 387.2  | 388.7  | 386.4  | 382.8  |
| 60°   | 313.4  | 309.7  | 308.3  | 306.1  |
| 62.5° | 244.1  | 244.1  | 239.0  | 245.6  |
| 65°   | 182.9  | 180.7  | 178.5  | 177.7  |
| 67.5° | 132.7  | 132.0  | 129.8  | 129.1  |
| 70°   | 93.7   | 90.7   | 90.0   | 88.5   |
| 72.5° | 62.7   | 62.7   | 61.2   | 61.2   |
| 75°   | 38.3   | 34.7   | 33.9   | 34.7   |
| 77.5° | 26.5   | 25.8   | 25.8   | 25.1   |
| 80°   | 17.7   | 17.0   | 18.4   | 16.2   |
| 82.5° | 11.1   | 11.8   | 11.1   | 11.8   |
| 85°   | 7.4    | 8.8    | 8.1    | 8.1    |
| 87.5° | 4.4    | 4.4    | 4.4    | 4.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)