

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: P250260

Luminaire Tested: **LSR8B80D010 EC8B80940 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13955)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80940 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7600.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

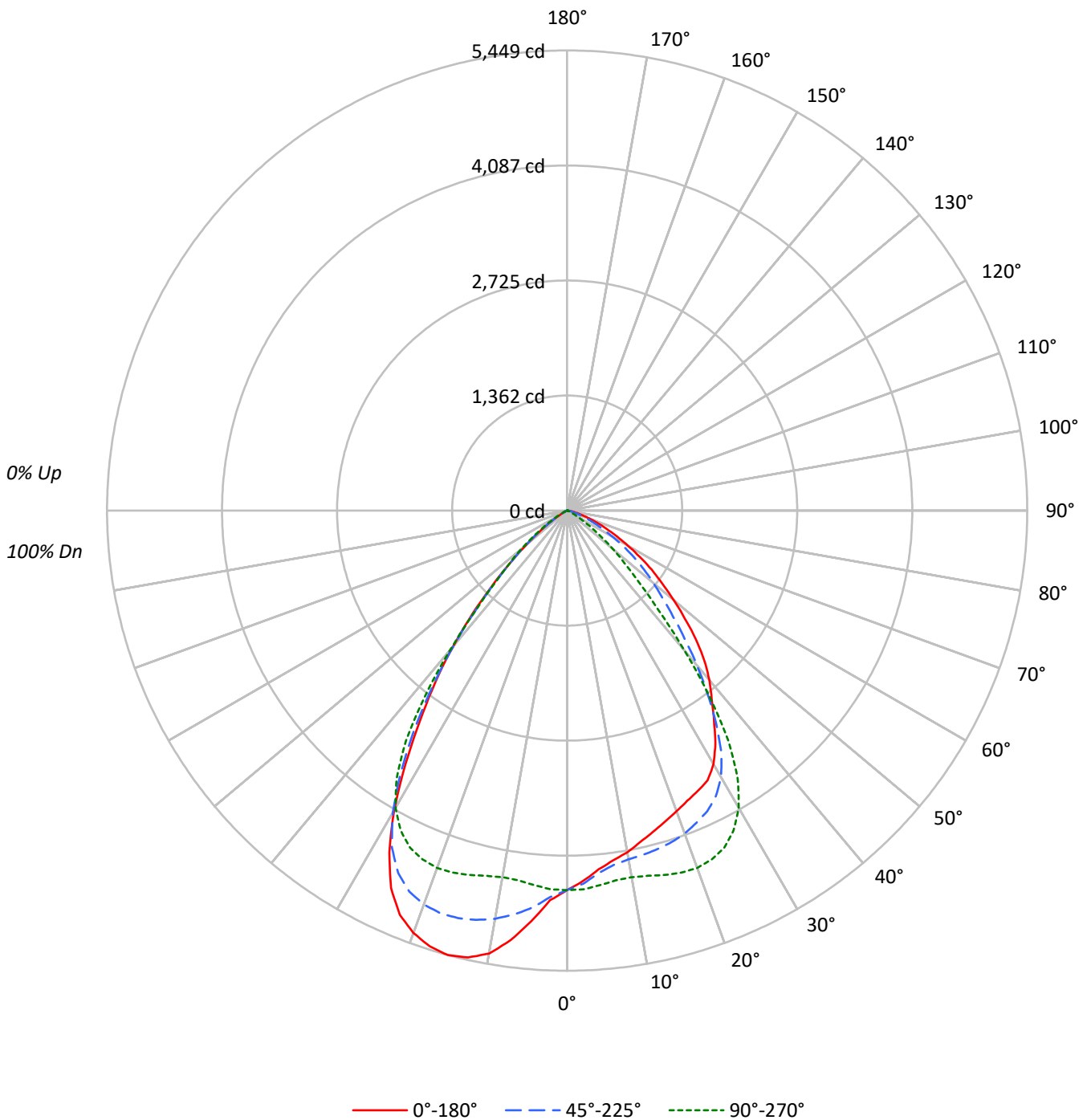
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

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 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 96 | 95 | 94 | 93 | 91 | | | | | 91 | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 83 | 82 | | | | | 82 | | | |
| 3 | 98 | 90 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | | | | 73 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 70 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | | | 66 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | | | | | 60 | | | |
| 6 | 80 | 70 | 63 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 64 | 60 | 56 | 54 | | | | | 54 | | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | | 49 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 9 | 67 | 55 | 48 | 44 | 66 | 55 | 48 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 42 | | | | | 42 | | | |
| 10 | 63 | 52 | 45 | 40 | 62 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 49 | 43 | 40 | 38 | | | | | 38 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 138575 | 138575 | 138575 |
| 5° | 132019 | 137805 | 151068 |
| 10° | 128614 | 138017 | 166752 |
| 15° | 125698 | 142592 | 173967 |
| 20° | 124314 | 147744 | 174620 |
| 25° | 124606 | 149832 | 167834 |
| 30° | 123448 | 144684 | 145955 |
| 35° | 114073 | 125216 | 114228 |
| 40° | 105413 | 86816 | 84702 |
| 45° | 93864 | 52383 | 54119 |
| 50° | 78978 | 33749 | 30626 |
| 55° | 65707 | 18515 | 13999 |
| 60° | 51287 | 8030 | 4403 |
| 65° | 37847 | 3984 | 2145 |
| 70° | 26318 | 2461 | 947 |
| 75° | 16013 | 500 | 0 |
| 80° | 11560 | 746 | 0 |
| 85° | 7430 | 743 | 0 |



TEST NUMBER: P250260

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 432.0 | 5.7 |
| 10°-20° | 1293.0 | 17.0 |
| 20°-30° | 1980.1 | 26.1 |
| 30°-40° | 1941.1 | 25.5 |
| 40°-50° | 1168.9 | 15.4 |
| 50°-60° | 538.0 | 7.1 |
| 60°-70° | 189.0 | 2.5 |
| 70°-80° | 49.4 | 0.7 |
| 80°-90° | 8.4 | 0.1 |
| 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° | 3705.0 | 48.8 |
| 0°-40° | 5646.2 | 74.3 |
| 0°-60° | 7353.1 | 96.8 |
| 0°-90° | 7600.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7600.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4494 | 4494 | 4494 | 4494 | 4494 | |
| 5° | 4265 | 4305 | 4452 | 4719 | 4880 | 403 |
| 15° | 3937 | 4150 | 4467 | 4996 | 5449 | 1112 |
| 25° | 3662 | 3927 | 4404 | 4735 | 4933 | 1687 |
| 35° | 3030 | 3072 | 3326 | 3135 | 3034 | 1898 |
| 45° | 2152 | 1772 | 1201 | 1210 | 1241 | 1651 |
| 55° | 1222 | 968 | 344 | 271 | 260 | 1091 |
| 65° | 519 | 359 | 55 | 27 | 29 | 528 |
| 75° | 134 | 78 | 4 | 0 | 0 | 163 |
| 85° | 21 | 10 | 2 | 0 | 0 | 29 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 |
| 2.5° | 4388.9 | 4393.1 | 4393.1 | 4393.1 | 4401.5 | 4403.7 | 4401.5 | 4403.7 | 4407.8 | 4422.5 | 4428.8 |
| 5° | 4265.0 | 4258.7 | 4262.9 | 4260.8 | 4271.3 | 4277.6 | 4273.4 | 4279.7 | 4294.4 | 4304.9 | 4315.4 |
| 7.5° | 4176.8 | 4176.8 | 4176.8 | 4181.0 | 4187.3 | 4199.9 | 4197.9 | 4202.0 | 4216.7 | 4231.4 | 4246.1 |
| 10° | 4107.5 | 4105.5 | 4105.5 | 4115.9 | 4124.3 | 4139.0 | 4143.2 | 4155.8 | 4174.7 | 4193.6 | 4210.4 |
| 12.5° | 4017.2 | 4019.4 | 4029.8 | 4040.4 | 4059.2 | 4082.3 | 4094.9 | 4111.8 | 4141.2 | 4172.6 | 4191.5 |
| 15° | 3937.4 | 3939.5 | 3948.0 | 3968.9 | 3992.0 | 4019.4 | 4046.6 | 4073.9 | 4109.6 | 4149.5 | 4183.2 |
| 17.5° | 3859.7 | 3861.8 | 3868.1 | 3891.3 | 3920.7 | 3956.4 | 3987.8 | 4023.5 | 4069.8 | 4115.9 | 4157.9 |
| 20° | 3788.3 | 3786.2 | 3796.7 | 3817.7 | 3855.6 | 3889.1 | 3920.7 | 3962.7 | 4013.1 | 4069.8 | 4118.0 |
| 22.5° | 3719.0 | 3719.0 | 3729.5 | 3750.5 | 3784.2 | 3817.7 | 3851.3 | 3895.4 | 3945.8 | 4000.4 | 4057.1 |
| 25° | 3662.3 | 3660.2 | 3674.9 | 3685.5 | 3710.6 | 3744.2 | 3779.9 | 3815.6 | 3866.0 | 3927.0 | 3981.5 |
| 27.5° | 3601.4 | 3599.4 | 3601.4 | 3614.1 | 3637.1 | 3662.3 | 3689.6 | 3721.2 | 3763.2 | 3813.6 | 3866.0 |
| 30° | 3467.0 | 3469.1 | 3469.1 | 3479.7 | 3492.3 | 3519.5 | 3534.2 | 3565.7 | 3603.5 | 3645.5 | 3691.8 |
| 32.5° | 3267.5 | 3269.6 | 3269.6 | 3273.9 | 3284.3 | 3296.9 | 3309.5 | 3332.6 | 3362.0 | 3397.7 | 3439.7 |
| 35° | 3030.3 | 3030.3 | 3028.1 | 3030.3 | 3036.6 | 3036.6 | 3047.0 | 3036.6 | 3051.3 | 3072.3 | 3103.7 |
| 37.5° | 2811.9 | 2807.6 | 2803.5 | 2799.2 | 2792.9 | 2782.5 | 2767.8 | 2742.5 | 2736.2 | 2727.8 | 2729.9 |
| 40° | 2618.7 | 2616.6 | 2604.0 | 2593.4 | 2572.4 | 2547.3 | 2511.6 | 2467.5 | 2431.8 | 2389.8 | 2354.1 |
| 42.5° | 2404.5 | 2402.3 | 2391.9 | 2372.9 | 2349.9 | 2312.1 | 2255.4 | 2196.6 | 2125.2 | 2062.2 | 1997.1 |
| 45° | 2152.4 | 2158.7 | 2144.0 | 2123.0 | 2095.7 | 2060.0 | 1997.1 | 1925.6 | 1854.2 | 1772.4 | 1690.4 |
| 47.5° | 1889.9 | 1887.8 | 1877.4 | 1864.8 | 1841.7 | 1806.0 | 1764.0 | 1686.3 | 1610.6 | 1535.1 | 1451.1 |
| 50° | 1646.3 | 1638.0 | 1633.7 | 1621.2 | 1606.5 | 1577.1 | 1532.9 | 1469.9 | 1402.8 | 1331.4 | 1253.7 |
| 52.5° | 1415.4 | 1415.4 | 1404.8 | 1396.5 | 1383.8 | 1360.8 | 1323.0 | 1272.6 | 1215.9 | 1148.6 | 1066.8 |
| 55° | 1222.2 | 1218.0 | 1207.5 | 1197.0 | 1184.3 | 1169.7 | 1136.1 | 1094.1 | 1033.2 | 968.1 | 896.7 |
| 57.5° | 1016.4 | 1014.2 | 1010.1 | 997.5 | 991.2 | 976.5 | 938.7 | 896.7 | 844.2 | 787.5 | 728.7 |
| 60° | 831.6 | 823.2 | 814.7 | 806.4 | 795.9 | 781.2 | 756.0 | 720.3 | 676.2 | 625.8 | 567.0 |
| 62.5° | 665.7 | 678.3 | 653.1 | 653.1 | 632.1 | 619.5 | 596.4 | 575.4 | 529.2 | 483.0 | 432.6 |
| 65° | 518.7 | 518.7 | 508.2 | 499.8 | 487.2 | 472.5 | 449.4 | 428.4 | 394.8 | 359.1 | 323.4 |
| 67.5° | 396.9 | 394.8 | 384.3 | 375.9 | 365.4 | 357.0 | 340.2 | 315.0 | 289.8 | 260.4 | 231.0 |
| 70° | 291.9 | 289.8 | 287.7 | 273.0 | 264.6 | 254.1 | 241.5 | 224.7 | 205.8 | 184.8 | 157.5 |
| 72.5° | 210.0 | 210.0 | 203.7 | 197.4 | 189.0 | 180.6 | 168.0 | 157.5 | 140.7 | 126.0 | 107.1 |
| 75° | 134.4 | 132.3 | 132.3 | 121.8 | 121.8 | 109.2 | 100.8 | 94.5 | 86.1 | 77.7 | 60.9 |
| 77.5° | 96.6 | 94.5 | 92.4 | 88.2 | 84.0 | 79.8 | 73.5 | 65.1 | 58.8 | 50.4 | 44.1 |
| 80° | 65.1 | 60.9 | 58.8 | 58.8 | 52.5 | 50.4 | 52.5 | 39.9 | 37.8 | 31.5 | 27.3 |
| 82.5° | 39.9 | 39.9 | 37.8 | 37.8 | 35.7 | 33.6 | 27.3 | 27.3 | 25.2 | 23.1 | 18.9 |
| 85° | 21.0 | 27.3 | 18.9 | 21.0 | 18.9 | 21.0 | 18.9 | 14.7 | 12.6 | 10.5 | 10.5 |
| 87.5° | 12.6 | 8.4 | 8.4 | 12.6 | 10.5 | 8.4 | 8.4 | 8.4 | 6.3 | 4.2 | 4.2 |
| 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: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 |
| 2.5° | 4424.7 | 4439.4 | 4437.2 | 4456.1 | 4462.4 | 4477.1 | 4477.1 | 4487.6 | 4493.9 | 4508.6 | 4521.2 |
| 5° | 4319.6 | 4342.7 | 4349.0 | 4372.1 | 4391.0 | 4414.1 | 4428.8 | 4451.9 | 4472.9 | 4504.4 | 4533.8 |
| 7.5° | 4254.6 | 4273.4 | 4286.0 | 4313.3 | 4334.3 | 4359.5 | 4384.7 | 4416.2 | 4445.6 | 4483.4 | 4525.4 |
| 10° | 4223.0 | 4248.2 | 4267.1 | 4294.4 | 4319.6 | 4347.0 | 4372.1 | 4407.8 | 4441.4 | 4489.7 | 4535.9 |
| 12.5° | 4214.6 | 4244.0 | 4267.1 | 4304.9 | 4330.1 | 4359.5 | 4388.9 | 4428.8 | 4464.5 | 4514.9 | 4567.5 |
| 15° | 4214.6 | 4254.6 | 4286.0 | 4328.0 | 4357.4 | 4395.2 | 4426.7 | 4466.6 | 4506.5 | 4559.0 | 4609.4 |
| 17.5° | 4206.2 | 4254.6 | 4294.4 | 4342.7 | 4380.5 | 4418.4 | 4458.2 | 4496.1 | 4538.0 | 4588.5 | 4645.1 |
| 20° | 4172.6 | 4233.6 | 4281.8 | 4338.5 | 4378.4 | 4420.4 | 4460.4 | 4502.3 | 4546.4 | 4598.9 | 4647.2 |
| 22.5° | 4113.8 | 4185.2 | 4239.9 | 4300.7 | 4347.0 | 4388.9 | 4428.8 | 4470.8 | 4519.1 | 4569.5 | 4619.9 |
| 25° | 4036.1 | 4103.3 | 4162.2 | 4225.1 | 4271.3 | 4317.5 | 4355.3 | 4403.7 | 4447.7 | 4496.1 | 4535.9 |
| 27.5° | 3918.5 | 3989.9 | 4046.6 | 4111.8 | 4153.7 | 4197.9 | 4229.3 | 4269.2 | 4311.3 | 4351.1 | 4382.7 |
| 30° | 3742.2 | 3807.2 | 3866.0 | 3924.8 | 3966.8 | 3998.4 | 4031.9 | 4063.4 | 4090.8 | 4118.0 | 4145.3 |
| 32.5° | 3483.8 | 3542.7 | 3599.4 | 3653.9 | 3687.5 | 3714.8 | 3740.0 | 3758.9 | 3773.6 | 3788.3 | 3790.4 |
| 35° | 3129.0 | 3177.2 | 3212.9 | 3261.2 | 3292.8 | 3317.9 | 3317.9 | 3326.3 | 3324.2 | 3317.9 | 3311.6 |
| 37.5° | 2732.1 | 2750.9 | 2765.6 | 2784.5 | 2786.6 | 2786.6 | 2774.1 | 2763.5 | 2746.8 | 2742.5 | 2729.9 |
| 40° | 2318.4 | 2293.1 | 2274.2 | 2249.1 | 2234.4 | 2202.8 | 2175.6 | 2156.7 | 2129.4 | 2125.2 | 2121.0 |
| 42.5° | 1925.6 | 1866.8 | 1814.4 | 1770.3 | 1719.9 | 1675.7 | 1635.9 | 1606.5 | 1585.5 | 1583.3 | 1585.5 |
| 45° | 1606.5 | 1539.3 | 1461.5 | 1400.7 | 1344.0 | 1289.4 | 1236.9 | 1201.2 | 1182.3 | 1178.0 | 1182.3 |
| 47.5° | 1365.0 | 1287.3 | 1211.7 | 1142.3 | 1081.5 | 1020.6 | 968.1 | 919.8 | 896.7 | 890.4 | 888.3 |
| 50° | 1173.9 | 1094.1 | 1014.2 | 942.8 | 875.7 | 814.7 | 749.7 | 703.5 | 674.1 | 663.6 | 655.2 |
| 52.5° | 987.0 | 915.6 | 833.7 | 760.2 | 693.0 | 621.6 | 554.4 | 501.8 | 472.5 | 459.9 | 451.5 |
| 55° | 823.2 | 751.8 | 676.2 | 604.8 | 533.4 | 462.0 | 394.8 | 344.4 | 312.9 | 298.2 | 287.7 |
| 57.5° | 657.3 | 590.1 | 525.0 | 453.6 | 394.8 | 325.5 | 258.3 | 214.2 | 186.9 | 170.1 | 161.7 |
| 60° | 508.2 | 455.7 | 399.0 | 340.2 | 283.5 | 226.8 | 172.2 | 130.2 | 109.2 | 96.6 | 86.1 |
| 62.5° | 384.3 | 340.2 | 302.4 | 252.0 | 207.9 | 159.6 | 117.6 | 84.0 | 65.1 | 54.6 | 50.4 |
| 65° | 277.2 | 243.6 | 210.0 | 178.5 | 147.0 | 111.3 | 79.8 | 54.6 | 37.8 | 31.5 | 29.4 |
| 67.5° | 197.4 | 170.1 | 144.9 | 123.9 | 100.8 | 79.8 | 56.7 | 37.8 | 29.4 | 25.2 | 23.1 |
| 70° | 138.6 | 117.6 | 100.8 | 81.9 | 67.2 | 52.5 | 44.1 | 27.3 | 16.8 | 18.9 | 14.7 |
| 72.5° | 92.4 | 77.7 | 69.3 | 56.7 | 46.2 | 37.8 | 27.3 | 18.9 | 18.9 | 14.7 | 12.6 |
| 75° | 50.4 | 46.2 | 35.7 | 27.3 | 23.1 | 21.0 | 8.4 | 4.2 | 2.1 | 6.3 | 2.1 |
| 77.5° | 35.7 | 31.5 | 27.3 | 23.1 | 18.9 | 14.7 | 8.4 | 8.4 | 6.3 | 8.4 | 4.2 |
| 80° | 23.1 | 18.9 | 16.8 | 16.8 | 10.5 | 6.3 | 4.2 | 4.2 | 6.3 | 2.1 | 2.1 |
| 82.5° | 14.7 | 12.6 | 10.5 | 10.5 | 10.5 | 6.3 | 6.3 | 6.3 | 6.3 | 4.2 | 4.2 |
| 85° | 8.4 | 6.3 | 4.2 | 4.2 | 2.1 | 4.2 | 0.0 | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 4.2 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 | 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: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 | 4493.9 |
| 2.5° | 4529.6 | 4538.0 | 4548.5 | 4556.9 | 4575.8 | 4580.0 | 4588.5 | 4596.8 | 4603.2 | 4609.4 | 4611.5 |
| 5° | 4559.0 | 4590.5 | 4619.9 | 4651.4 | 4691.3 | 4718.6 | 4750.1 | 4777.4 | 4804.7 | 4827.8 | 4844.6 |
| 7.5° | 4567.5 | 4615.7 | 4659.9 | 4714.4 | 4773.2 | 4823.6 | 4876.1 | 4928.6 | 4983.2 | 5025.2 | 5060.9 |
| 10° | 4584.2 | 4643.0 | 4699.7 | 4764.8 | 4840.4 | 4907.6 | 4972.7 | 5042.0 | 5111.3 | 5170.1 | 5222.6 |
| 12.5° | 4613.6 | 4678.7 | 4739.6 | 4811.0 | 4888.7 | 4964.3 | 5035.7 | 5113.4 | 5186.9 | 5252.0 | 5310.8 |
| 15° | 4661.9 | 4722.8 | 4781.6 | 4848.8 | 4926.5 | 4995.8 | 5067.2 | 5142.8 | 5216.3 | 5283.5 | 5338.1 |
| 17.5° | 4693.4 | 4750.1 | 4808.9 | 4869.8 | 4934.9 | 4997.9 | 5065.1 | 5132.3 | 5199.5 | 5260.4 | 5310.8 |
| 20° | 4693.4 | 4748.0 | 4792.1 | 4846.7 | 4907.6 | 4962.2 | 5016.8 | 5075.6 | 5134.4 | 5184.8 | 5233.1 |
| 22.5° | 4655.6 | 4708.1 | 4741.7 | 4783.7 | 4836.2 | 4882.4 | 4911.8 | 4976.9 | 5021.0 | 5065.1 | 5100.8 |
| 25° | 4567.5 | 4605.2 | 4632.5 | 4661.9 | 4703.9 | 4735.4 | 4760.6 | 4798.4 | 4842.5 | 4859.3 | 4884.5 |
| 27.5° | 4407.8 | 4435.1 | 4449.8 | 4456.1 | 4477.1 | 4493.9 | 4498.1 | 4514.9 | 4533.8 | 4538.0 | 4548.5 |
| 30° | 4155.8 | 4157.9 | 4151.6 | 4149.5 | 4139.0 | 4126.5 | 4124.3 | 4122.2 | 4113.8 | 4105.5 | 4107.5 |
| 32.5° | 3775.7 | 3765.2 | 3740.0 | 3712.8 | 3685.5 | 3656.1 | 3639.2 | 3618.2 | 3605.6 | 3593.1 | 3578.4 |
| 35° | 3284.3 | 3259.2 | 3223.5 | 3189.8 | 3158.4 | 3135.2 | 3097.4 | 3084.8 | 3072.3 | 3055.4 | 3051.3 |
| 37.5° | 2706.8 | 2692.1 | 2658.5 | 2633.4 | 2616.6 | 2606.0 | 2587.1 | 2574.6 | 2574.6 | 2568.3 | 2564.0 |
| 40° | 2110.4 | 2106.3 | 2093.7 | 2100.0 | 2091.6 | 2095.7 | 2093.7 | 2089.4 | 2100.0 | 2100.0 | 2104.2 |
| 42.5° | 1583.3 | 1585.5 | 1591.8 | 1596.0 | 1608.6 | 1610.6 | 1621.2 | 1621.2 | 1627.5 | 1633.7 | 1638.0 |
| 45° | 1178.0 | 1186.5 | 1186.5 | 1194.9 | 1207.5 | 1209.6 | 1213.7 | 1215.9 | 1220.0 | 1230.6 | 1234.7 |
| 47.5° | 884.1 | 886.1 | 886.1 | 888.3 | 892.5 | 896.7 | 894.6 | 896.7 | 903.0 | 898.8 | 903.0 |
| 50° | 653.1 | 655.2 | 648.9 | 642.6 | 648.9 | 648.9 | 646.8 | 640.5 | 646.8 | 638.4 | 642.6 |
| 52.5° | 445.2 | 443.1 | 436.8 | 438.9 | 434.7 | 432.6 | 432.6 | 428.4 | 428.4 | 428.4 | 420.0 |
| 55° | 281.4 | 281.4 | 277.2 | 277.2 | 275.1 | 270.9 | 268.8 | 266.7 | 264.6 | 262.5 | 262.5 |
| 57.5° | 157.5 | 159.6 | 153.3 | 151.2 | 153.3 | 151.2 | 147.0 | 147.0 | 147.0 | 140.7 | 144.9 |
| 60° | 86.1 | 84.0 | 81.9 | 79.8 | 77.7 | 79.8 | 79.8 | 75.6 | 75.6 | 75.6 | 77.7 |
| 62.5° | 46.2 | 46.2 | 44.1 | 44.1 | 42.0 | 42.0 | 46.2 | 39.9 | 42.0 | 39.9 | 42.0 |
| 65° | 25.2 | 31.5 | 23.1 | 23.1 | 29.4 | 27.3 | 25.2 | 25.2 | 27.3 | 23.1 | 25.2 |
| 67.5° | 27.3 | 18.9 | 16.8 | 18.9 | 16.8 | 16.8 | 16.8 | 21.0 | 18.9 | 14.7 | 18.9 |
| 70° | 12.6 | 14.7 | 14.7 | 10.5 | 16.8 | 8.4 | 14.7 | 8.4 | 12.6 | 10.5 | 12.6 |
| 72.5° | 12.6 | 12.6 | 12.6 | 8.4 | 12.6 | 8.4 | 10.5 | 10.5 | 8.4 | 8.4 | 12.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 2.1 | 4.2 | 4.2 | 4.2 | 0.0 | 2.1 |
| 80° | 4.2 | 4.2 | 0.0 | 2.1 | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 | 0.0 | 4.2 |
| 82.5° | 2.1 | 4.2 | 2.1 | 2.1 | 4.2 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 0.0 | 0.0 | 0.0 | 2.1 |
| 87.5° | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 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: P250260

CATALOG NUMBER: LSR8B80D010 EC8B80940 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 4493.9 | 4493.9 | 4493.9 | 4493.9 |
| 2.5° | 4613.6 | 4615.7 | 4619.9 | 4617.8 |
| 5° | 4857.2 | 4874.0 | 4882.4 | 4880.4 |
| 7.5° | 5086.1 | 5115.5 | 5132.3 | 5132.3 |
| 10° | 5262.5 | 5296.1 | 5321.3 | 5325.5 |
| 12.5° | 5357.0 | 5394.8 | 5428.4 | 5420.0 |
| 15° | 5384.3 | 5422.1 | 5455.7 | 5449.4 |
| 17.5° | 5352.8 | 5390.6 | 5415.8 | 5411.6 |
| 20° | 5266.7 | 5298.2 | 5323.4 | 5321.3 |
| 22.5° | 5132.3 | 5159.6 | 5180.6 | 5178.5 |
| 25° | 4905.5 | 4924.4 | 4941.2 | 4932.8 |
| 27.5° | 4556.9 | 4563.2 | 4573.7 | 4561.1 |
| 30° | 4092.8 | 4097.0 | 4101.2 | 4099.1 |
| 32.5° | 3572.1 | 3569.9 | 3565.7 | 3561.5 |
| 35° | 3045.0 | 3045.0 | 3047.0 | 3034.4 |
| 37.5° | 2566.1 | 2564.0 | 2570.3 | 2564.0 |
| 40° | 2108.3 | 2106.3 | 2114.7 | 2104.2 |
| 42.5° | 1644.3 | 1650.6 | 1652.7 | 1652.7 |
| 45° | 1236.9 | 1239.0 | 1241.0 | 1241.0 |
| 47.5° | 903.0 | 905.1 | 915.6 | 903.0 |
| 50° | 638.4 | 640.5 | 642.6 | 638.4 |
| 52.5° | 422.1 | 424.2 | 422.1 | 415.8 |
| 55° | 258.3 | 260.4 | 260.4 | 260.4 |
| 57.5° | 138.6 | 140.7 | 140.7 | 138.6 |
| 60° | 75.6 | 73.5 | 75.6 | 71.4 |
| 62.5° | 39.9 | 44.1 | 42.0 | 37.8 |
| 65° | 25.2 | 25.2 | 25.2 | 29.4 |
| 67.5° | 21.0 | 16.8 | 18.9 | 14.7 |
| 70° | 12.6 | 14.7 | 14.7 | 10.5 |
| 72.5° | 10.5 | 10.5 | 10.5 | 12.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.2 | 4.2 | 4.2 | 2.1 |
| 80° | 2.1 | 0.0 | 2.1 | 0.0 |
| 82.5° | 2.1 | 2.1 | 4.2 | 2.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)