

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: P250267

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250267
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 EC8B80950 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7868.0 lumens
Efficiency: N/A
Efficacy: 105.8 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

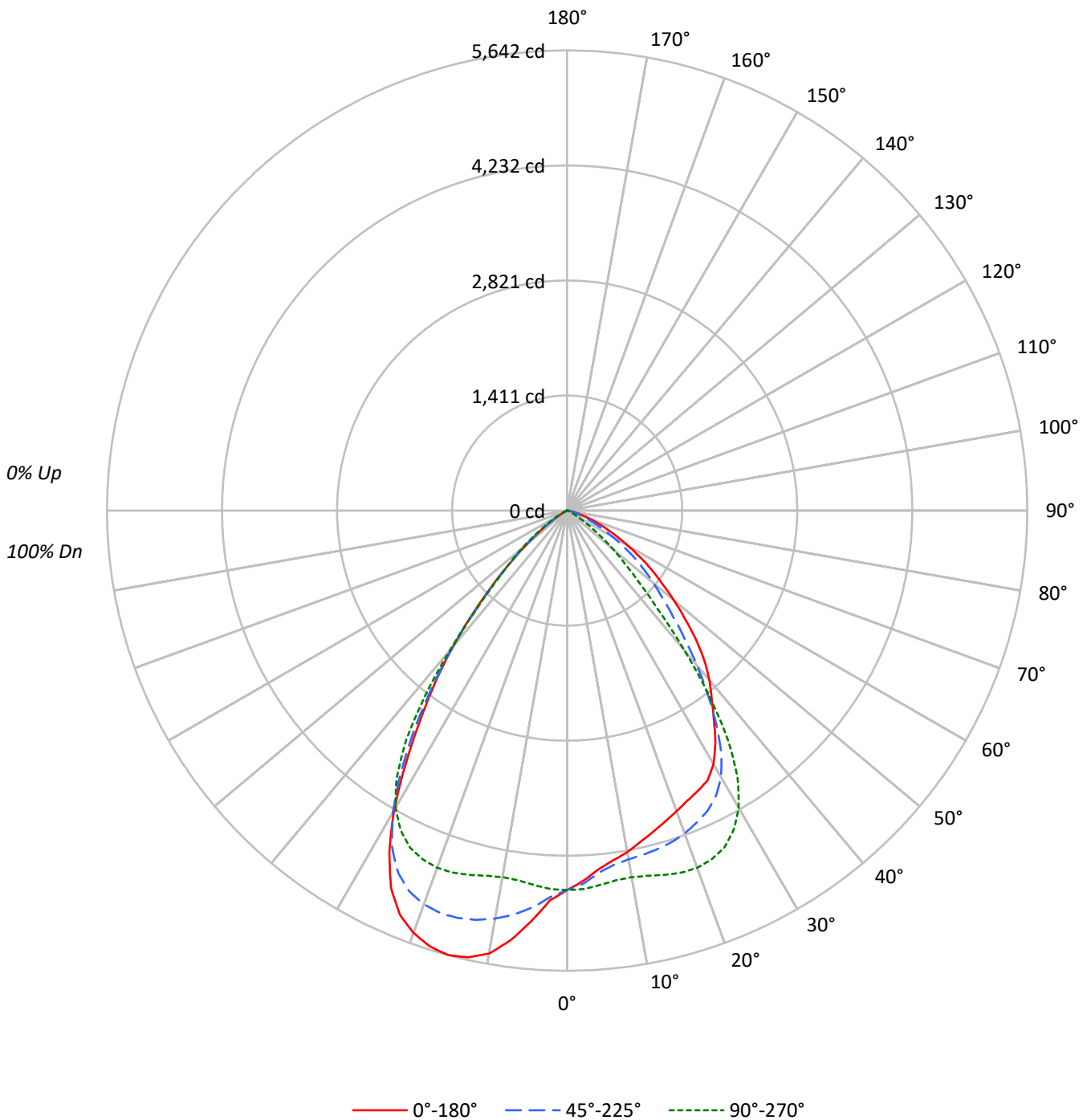
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 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° | 143463 | 143463 | 143463 |
| 5° | 136675 | 142664 | 156393 |
| 10° | 133151 | 142883 | 172633 |
| 15° | 130132 | 147620 | 180100 |
| 20° | 128698 | 152952 | 180776 |
| 25° | 128999 | 155113 | 173754 |
| 30° | 127803 | 149787 | 151104 |
| 35° | 118094 | 129632 | 118255 |
| 40° | 109128 | 89875 | 87689 |
| 45° | 97174 | 54232 | 56029 |
| 50° | 81765 | 34939 | 31705 |
| 55° | 68024 | 19166 | 14494 |
| 60° | 53094 | 8313 | 4558 |
| 65° | 39182 | 4130 | 2218 |
| 70° | 27246 | 2552 | 974 |
| 75° | 16573 | 524 | 0 |
| 80° | 11969 | 781 | 0 |
| 85° | 7678 | 743 | 0 |



TEST NUMBER: P250267

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 447.3 | 5.7 |
| 10°-20° | 1338.6 | 17.0 |
| 20°-30° | 2049.9 | 26.1 |
| 30°-40° | 2009.6 | 25.5 |
| 40°-50° | 1210.2 | 15.4 |
| 50°-60° | 557.0 | 7.1 |
| 60°-70° | 195.7 | 2.5 |
| 70°-80° | 51.2 | 0.7 |
| 80°-90° | 8.7 | 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° | 3835.7 | 48.8 |
| 0°-40° | 5845.3 | 74.3 |
| 0°-60° | 7612.4 | 96.8 |
| 0°-90° | 7868.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7868.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4652 | 4652 | 4652 | 4652 | 4652 | |
| 5° | 4415 | 4457 | 4609 | 4885 | 5052 | 417 |
| 15° | 4076 | 4296 | 4624 | 5172 | 5642 | 1152 |
| 25° | 3791 | 4065 | 4559 | 4902 | 5107 | 1746 |
| 35° | 3137 | 3181 | 3444 | 3246 | 3141 | 1965 |
| 45° | 2228 | 1835 | 1244 | 1252 | 1285 | 1709 |
| 55° | 1265 | 1002 | 356 | 280 | 270 | 1129 |
| 65° | 537 | 372 | 57 | 28 | 30 | 547 |
| 75° | 139 | 80 | 4 | 0 | 0 | 169 |
| 85° | 22 | 11 | 2 | 0 | 0 | 30 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 |
| 2.5° | 4543.6 | 4548.0 | 4548.0 | 4548.0 | 4556.7 | 4558.9 | 4556.7 | 4558.9 | 4563.2 | 4578.5 | 4585.0 |
| 5° | 4415.4 | 4408.9 | 4413.3 | 4411.0 | 4421.9 | 4428.5 | 4424.1 | 4430.6 | 4445.8 | 4456.8 | 4467.6 |
| 7.5° | 4324.1 | 4324.1 | 4324.1 | 4328.4 | 4335.0 | 4348.0 | 4345.9 | 4350.2 | 4365.4 | 4380.6 | 4395.8 |
| 10° | 4252.4 | 4250.2 | 4250.2 | 4261.1 | 4269.7 | 4284.9 | 4289.3 | 4302.4 | 4321.9 | 4341.5 | 4358.9 |
| 12.5° | 4158.9 | 4161.1 | 4171.9 | 4182.8 | 4202.3 | 4226.2 | 4239.3 | 4256.8 | 4287.2 | 4319.8 | 4339.3 |
| 15° | 4076.3 | 4078.4 | 4087.2 | 4108.8 | 4132.8 | 4161.1 | 4189.3 | 4217.6 | 4254.5 | 4295.9 | 4330.7 |
| 17.5° | 3995.8 | 3998.0 | 4004.5 | 4028.5 | 4058.9 | 4095.9 | 4128.4 | 4165.4 | 4213.3 | 4261.1 | 4304.5 |
| 20° | 3921.9 | 3919.8 | 3930.6 | 3952.3 | 3991.5 | 4026.2 | 4058.9 | 4102.4 | 4154.6 | 4213.3 | 4263.2 |
| 22.5° | 3850.1 | 3850.1 | 3861.1 | 3882.8 | 3917.6 | 3952.3 | 3987.1 | 4032.8 | 4084.9 | 4141.5 | 4200.2 |
| 25° | 3791.4 | 3789.3 | 3804.5 | 3815.4 | 3841.5 | 3876.3 | 3913.2 | 3950.2 | 4002.4 | 4065.4 | 4121.9 |
| 27.5° | 3728.4 | 3726.3 | 3728.4 | 3741.5 | 3765.4 | 3791.4 | 3819.7 | 3852.4 | 3895.9 | 3948.0 | 4002.4 |
| 30° | 3589.3 | 3591.4 | 3591.4 | 3602.4 | 3615.4 | 3643.6 | 3658.8 | 3691.5 | 3730.6 | 3774.1 | 3822.0 |
| 32.5° | 3382.8 | 3384.9 | 3384.9 | 3389.3 | 3400.1 | 3413.2 | 3426.3 | 3450.1 | 3480.6 | 3517.5 | 3561.0 |
| 35° | 3137.1 | 3137.1 | 3134.9 | 3137.1 | 3143.7 | 3143.7 | 3154.5 | 3143.7 | 3158.9 | 3180.6 | 3213.2 |
| 37.5° | 2911.0 | 2906.6 | 2902.3 | 2897.9 | 2891.4 | 2880.6 | 2865.4 | 2839.2 | 2832.7 | 2824.0 | 2826.2 |
| 40° | 2711.0 | 2708.9 | 2695.8 | 2684.9 | 2663.1 | 2637.1 | 2600.1 | 2554.5 | 2517.5 | 2474.1 | 2437.1 |
| 42.5° | 2489.3 | 2487.0 | 2476.2 | 2456.6 | 2432.7 | 2393.6 | 2334.9 | 2274.1 | 2200.1 | 2134.9 | 2067.5 |
| 45° | 2228.3 | 2234.9 | 2219.7 | 2197.9 | 2169.6 | 2132.7 | 2067.5 | 1993.5 | 1919.6 | 1834.9 | 1750.0 |
| 47.5° | 1956.6 | 1954.4 | 1943.6 | 1930.5 | 1906.6 | 1869.7 | 1826.2 | 1745.7 | 1667.4 | 1589.2 | 1502.3 |
| 50° | 1704.4 | 1695.7 | 1691.3 | 1678.4 | 1663.2 | 1632.7 | 1587.0 | 1521.8 | 1452.2 | 1378.3 | 1297.9 |
| 52.5° | 1465.3 | 1465.3 | 1454.4 | 1445.7 | 1432.6 | 1408.7 | 1369.6 | 1317.5 | 1258.8 | 1189.2 | 1104.4 |
| 55° | 1265.3 | 1260.9 | 1250.1 | 1239.2 | 1226.1 | 1210.9 | 1176.2 | 1132.7 | 1069.6 | 1002.2 | 928.3 |
| 57.5° | 1052.2 | 1050.0 | 1045.7 | 1032.6 | 1026.1 | 1010.9 | 971.8 | 928.3 | 874.0 | 815.3 | 754.4 |
| 60° | 860.9 | 852.2 | 843.5 | 834.8 | 824.0 | 808.8 | 782.6 | 745.7 | 700.0 | 647.9 | 587.0 |
| 62.5° | 689.2 | 702.2 | 676.1 | 676.1 | 654.4 | 641.3 | 617.4 | 595.7 | 547.8 | 500.0 | 447.9 |
| 65° | 537.0 | 537.0 | 526.1 | 517.4 | 504.3 | 489.1 | 465.2 | 443.5 | 408.7 | 371.7 | 334.8 |
| 67.5° | 410.9 | 408.7 | 397.8 | 389.2 | 378.2 | 369.6 | 352.2 | 326.1 | 300.0 | 269.6 | 239.1 |
| 70° | 302.2 | 300.0 | 297.8 | 282.6 | 273.9 | 263.1 | 250.0 | 232.7 | 213.1 | 191.3 | 163.0 |
| 72.5° | 217.4 | 217.4 | 210.9 | 204.4 | 195.7 | 186.9 | 174.0 | 163.0 | 145.7 | 130.5 | 110.9 |
| 75° | 139.1 | 137.0 | 137.0 | 126.1 | 126.1 | 113.0 | 104.3 | 97.8 | 89.1 | 80.4 | 63.1 |
| 77.5° | 100.0 | 97.8 | 95.7 | 91.3 | 87.0 | 82.6 | 76.1 | 67.4 | 60.8 | 52.2 | 45.6 |
| 80° | 67.4 | 63.1 | 60.8 | 60.8 | 54.3 | 52.2 | 54.3 | 41.3 | 39.1 | 32.6 | 28.3 |
| 82.5° | 41.3 | 41.3 | 39.1 | 39.1 | 37.0 | 34.8 | 28.3 | 28.3 | 26.1 | 23.9 | 19.6 |
| 85° | 21.7 | 28.3 | 19.6 | 21.7 | 19.6 | 21.7 | 19.6 | 15.2 | 13.1 | 10.8 | 10.8 |
| 87.5° | 13.1 | 8.7 | 8.7 | 13.1 | 10.8 | 8.7 | 8.7 | 8.7 | 6.5 | 4.4 | 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: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 |
| 2.5° | 4580.7 | 4595.9 | 4593.7 | 4613.3 | 4619.8 | 4635.0 | 4635.0 | 4645.8 | 4652.4 | 4667.6 | 4680.6 |
| 5° | 4472.0 | 4495.9 | 4502.4 | 4526.3 | 4545.9 | 4569.8 | 4585.0 | 4608.9 | 4630.6 | 4663.3 | 4693.7 |
| 7.5° | 4404.6 | 4424.1 | 4437.2 | 4465.4 | 4487.2 | 4513.2 | 4539.3 | 4571.9 | 4602.3 | 4641.5 | 4685.0 |
| 10° | 4371.9 | 4398.1 | 4417.6 | 4445.8 | 4472.0 | 4500.2 | 4526.3 | 4563.2 | 4598.0 | 4648.1 | 4695.9 |
| 12.5° | 4363.2 | 4393.7 | 4417.6 | 4456.8 | 4482.8 | 4513.2 | 4543.6 | 4585.0 | 4621.9 | 4674.1 | 4728.5 |
| 15° | 4363.2 | 4404.6 | 4437.2 | 4480.6 | 4511.1 | 4550.2 | 4582.8 | 4624.1 | 4665.4 | 4719.7 | 4771.9 |
| 17.5° | 4354.6 | 4404.6 | 4445.8 | 4495.9 | 4535.0 | 4574.2 | 4615.4 | 4654.6 | 4698.0 | 4750.3 | 4808.9 |
| 20° | 4319.8 | 4382.8 | 4432.8 | 4491.5 | 4532.8 | 4576.3 | 4617.6 | 4661.0 | 4706.8 | 4761.1 | 4811.1 |
| 22.5° | 4258.9 | 4332.8 | 4389.4 | 4452.4 | 4500.2 | 4543.6 | 4585.0 | 4628.5 | 4678.5 | 4730.7 | 4782.8 |
| 25° | 4178.5 | 4248.0 | 4308.9 | 4374.1 | 4421.9 | 4469.7 | 4508.9 | 4558.9 | 4604.6 | 4654.6 | 4695.9 |
| 27.5° | 4056.7 | 4130.6 | 4189.3 | 4256.8 | 4300.2 | 4345.9 | 4378.5 | 4419.8 | 4463.3 | 4504.5 | 4537.2 |
| 30° | 3874.1 | 3941.5 | 4002.4 | 4063.2 | 4106.7 | 4139.4 | 4174.1 | 4206.7 | 4235.0 | 4263.2 | 4291.5 |
| 32.5° | 3606.7 | 3667.6 | 3726.3 | 3782.8 | 3817.6 | 3845.8 | 3871.9 | 3891.5 | 3906.7 | 3921.9 | 3924.1 |
| 35° | 3239.3 | 3289.3 | 3326.2 | 3376.2 | 3408.9 | 3434.9 | 3434.9 | 3443.6 | 3441.5 | 3434.9 | 3428.4 |
| 37.5° | 2828.4 | 2847.9 | 2863.1 | 2882.7 | 2884.9 | 2884.9 | 2871.9 | 2861.0 | 2843.6 | 2839.2 | 2826.2 |
| 40° | 2400.1 | 2374.0 | 2354.4 | 2328.4 | 2313.2 | 2280.5 | 2252.3 | 2232.7 | 2204.4 | 2200.1 | 2195.8 |
| 42.5° | 1993.5 | 1932.7 | 1878.4 | 1832.7 | 1780.6 | 1734.8 | 1693.6 | 1663.2 | 1641.4 | 1639.2 | 1641.4 |
| 45° | 1663.2 | 1593.5 | 1513.1 | 1450.1 | 1391.4 | 1334.8 | 1280.5 | 1243.6 | 1224.0 | 1219.6 | 1224.0 |
| 47.5° | 1413.1 | 1332.7 | 1254.4 | 1182.6 | 1119.6 | 1056.5 | 1002.2 | 952.2 | 928.3 | 921.8 | 919.6 |
| 50° | 1215.3 | 1132.7 | 1050.0 | 976.1 | 906.6 | 843.5 | 776.1 | 728.3 | 697.9 | 687.0 | 678.3 |
| 52.5° | 1021.8 | 947.9 | 863.1 | 787.0 | 717.4 | 643.5 | 574.0 | 519.5 | 489.1 | 476.1 | 467.4 |
| 55° | 852.2 | 778.3 | 700.0 | 626.1 | 552.2 | 478.3 | 408.7 | 356.5 | 323.9 | 308.7 | 297.8 |
| 57.5° | 680.4 | 610.9 | 543.5 | 469.6 | 408.7 | 337.0 | 267.4 | 221.7 | 193.5 | 176.1 | 167.4 |
| 60° | 526.1 | 471.8 | 413.1 | 352.2 | 293.5 | 234.8 | 178.3 | 134.8 | 113.0 | 100.0 | 89.1 |
| 62.5° | 397.8 | 352.2 | 313.0 | 260.8 | 215.2 | 165.2 | 121.8 | 87.0 | 67.4 | 56.6 | 52.2 |
| 65° | 287.0 | 252.2 | 217.4 | 184.8 | 152.2 | 115.3 | 82.6 | 56.6 | 39.1 | 32.6 | 30.4 |
| 67.5° | 204.4 | 176.1 | 150.0 | 128.2 | 104.3 | 82.6 | 58.7 | 39.1 | 30.4 | 26.1 | 23.9 |
| 70° | 143.4 | 121.8 | 104.3 | 84.8 | 69.5 | 54.3 | 45.6 | 28.3 | 17.4 | 19.6 | 15.2 |
| 72.5° | 95.7 | 80.4 | 71.8 | 58.7 | 47.8 | 39.1 | 28.3 | 19.6 | 19.6 | 15.2 | 13.1 |
| 75° | 52.2 | 47.8 | 37.0 | 28.3 | 23.9 | 21.7 | 8.7 | 4.4 | 2.1 | 6.5 | 2.1 |
| 77.5° | 37.0 | 32.6 | 28.3 | 23.9 | 19.6 | 15.2 | 8.7 | 8.7 | 6.5 | 8.7 | 4.4 |
| 80° | 23.9 | 19.6 | 17.4 | 17.4 | 10.8 | 6.5 | 4.4 | 4.4 | 6.5 | 2.1 | 2.1 |
| 82.5° | 15.2 | 13.1 | 10.8 | 10.8 | 10.8 | 6.5 | 6.5 | 6.5 | 6.5 | 4.4 | 4.4 |
| 85° | 8.7 | 6.5 | 4.4 | 4.4 | 2.1 | 4.4 | 0.0 | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 4.4 | 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: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 | 4652.4 |
| 2.5° | 4689.3 | 4698.0 | 4708.9 | 4717.6 | 4737.2 | 4741.5 | 4750.3 | 4758.9 | 4765.5 | 4771.9 | 4774.2 |
| 5° | 4719.7 | 4752.4 | 4782.8 | 4815.4 | 4856.7 | 4885.0 | 4917.6 | 4945.9 | 4974.1 | 4998.0 | 5015.4 |
| 7.5° | 4728.5 | 4778.4 | 4824.2 | 4880.6 | 4941.5 | 4993.7 | 5048.1 | 5102.4 | 5158.9 | 5202.4 | 5239.4 |
| 10° | 4745.9 | 4806.7 | 4865.4 | 4932.8 | 5011.1 | 5080.6 | 5148.0 | 5219.8 | 5291.5 | 5352.4 | 5406.8 |
| 12.5° | 4776.3 | 4843.7 | 4906.8 | 4980.7 | 5061.1 | 5139.3 | 5213.3 | 5293.7 | 5369.8 | 5437.2 | 5498.1 |
| 15° | 4826.3 | 4889.3 | 4950.3 | 5019.8 | 5100.2 | 5172.0 | 5245.9 | 5324.1 | 5400.3 | 5469.8 | 5526.4 |
| 17.5° | 4858.9 | 4917.6 | 4978.4 | 5041.5 | 5108.9 | 5174.1 | 5243.7 | 5313.3 | 5382.8 | 5445.9 | 5498.1 |
| 20° | 4858.9 | 4915.4 | 4961.1 | 5017.6 | 5080.6 | 5137.2 | 5193.7 | 5254.6 | 5315.4 | 5367.6 | 5417.6 |
| 22.5° | 4819.8 | 4874.1 | 4908.9 | 4952.4 | 5006.7 | 5054.6 | 5085.0 | 5152.4 | 5198.0 | 5243.7 | 5280.6 |
| 25° | 4728.5 | 4767.6 | 4795.9 | 4826.3 | 4869.8 | 4902.4 | 4928.5 | 4967.6 | 5013.3 | 5030.7 | 5056.7 |
| 27.5° | 4563.2 | 4591.5 | 4606.7 | 4613.3 | 4635.0 | 4652.4 | 4656.7 | 4674.1 | 4693.7 | 4698.0 | 4708.9 |
| 30° | 4302.4 | 4304.5 | 4298.0 | 4295.9 | 4284.9 | 4272.0 | 4269.7 | 4267.6 | 4258.9 | 4250.2 | 4252.4 |
| 32.5° | 3908.8 | 3898.0 | 3871.9 | 3843.7 | 3815.4 | 3785.0 | 3767.5 | 3745.8 | 3732.7 | 3719.8 | 3704.6 |
| 35° | 3400.1 | 3374.1 | 3337.1 | 3302.3 | 3269.7 | 3245.8 | 3206.7 | 3193.6 | 3180.6 | 3163.2 | 3158.9 |
| 37.5° | 2802.3 | 2787.1 | 2752.3 | 2726.2 | 2708.9 | 2697.9 | 2678.3 | 2665.4 | 2665.4 | 2658.8 | 2654.5 |
| 40° | 2184.8 | 2180.5 | 2167.5 | 2174.0 | 2165.3 | 2169.6 | 2167.5 | 2163.1 | 2174.0 | 2174.0 | 2178.4 |
| 42.5° | 1639.2 | 1641.4 | 1647.9 | 1652.2 | 1665.3 | 1667.4 | 1678.4 | 1678.4 | 1684.9 | 1691.3 | 1695.7 |
| 45° | 1219.6 | 1228.3 | 1228.3 | 1237.0 | 1250.1 | 1252.2 | 1256.5 | 1258.8 | 1263.1 | 1274.0 | 1278.3 |
| 47.5° | 915.2 | 917.4 | 917.4 | 919.6 | 923.9 | 928.3 | 926.2 | 928.3 | 934.8 | 930.5 | 934.8 |
| 50° | 676.1 | 678.3 | 671.8 | 665.2 | 671.8 | 671.8 | 669.6 | 663.1 | 669.6 | 660.9 | 665.2 |
| 52.5° | 460.9 | 458.7 | 452.2 | 454.4 | 450.0 | 447.9 | 447.9 | 443.5 | 443.5 | 443.5 | 434.8 |
| 55° | 291.4 | 291.4 | 287.0 | 287.0 | 284.8 | 280.4 | 278.3 | 276.1 | 273.9 | 271.8 | 271.8 |
| 57.5° | 163.0 | 165.2 | 158.7 | 156.5 | 158.7 | 156.5 | 152.2 | 152.2 | 152.2 | 145.7 | 150.0 |
| 60° | 89.1 | 87.0 | 84.8 | 82.6 | 80.4 | 82.6 | 82.6 | 78.3 | 78.3 | 78.3 | 80.4 |
| 62.5° | 47.8 | 47.8 | 45.6 | 45.6 | 43.5 | 43.5 | 47.8 | 41.3 | 43.5 | 41.3 | 43.5 |
| 65° | 26.1 | 32.6 | 23.9 | 23.9 | 30.4 | 28.3 | 26.1 | 26.1 | 28.3 | 23.9 | 26.1 |
| 67.5° | 28.3 | 19.6 | 17.4 | 19.6 | 17.4 | 17.4 | 17.4 | 21.7 | 19.6 | 15.2 | 19.6 |
| 70° | 13.1 | 15.2 | 15.2 | 10.8 | 17.4 | 8.7 | 15.2 | 8.7 | 13.1 | 10.8 | 13.1 |
| 72.5° | 13.1 | 13.1 | 13.1 | 8.7 | 13.1 | 8.7 | 10.8 | 10.8 | 8.7 | 8.7 | 13.1 |
| 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° | 4.4 | 4.4 | 2.1 | 2.1 | 2.1 | 2.1 | 4.4 | 4.4 | 4.4 | 0.0 | 2.1 |
| 80° | 4.4 | 4.4 | 0.0 | 2.1 | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 | 0.0 | 4.4 |
| 82.5° | 2.1 | 4.4 | 2.1 | 2.1 | 4.4 | 4.4 | 4.4 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 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: P250267

CATALOG NUMBER: LSR8B80D010 EC8B80950 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 4652.4 | 4652.4 | 4652.4 | 4652.4 |
| 2.5° | 4776.3 | 4778.4 | 4782.8 | 4780.7 |
| 5° | 5028.5 | 5045.9 | 5054.6 | 5052.4 |
| 7.5° | 5265.4 | 5295.9 | 5313.3 | 5313.3 |
| 10° | 5448.1 | 5482.9 | 5508.9 | 5513.3 |
| 12.5° | 5545.9 | 5585.1 | 5619.9 | 5611.1 |
| 15° | 5574.1 | 5613.3 | 5648.1 | 5641.5 |
| 17.5° | 5541.6 | 5580.7 | 5606.8 | 5602.4 |
| 20° | 5452.4 | 5485.0 | 5511.1 | 5508.9 |
| 22.5° | 5313.3 | 5341.6 | 5363.3 | 5361.1 |
| 25° | 5078.5 | 5098.1 | 5115.4 | 5106.8 |
| 27.5° | 4717.6 | 4724.1 | 4735.0 | 4722.0 |
| 30° | 4237.2 | 4241.5 | 4245.8 | 4243.7 |
| 32.5° | 3698.0 | 3695.8 | 3691.5 | 3687.1 |
| 35° | 3152.3 | 3152.3 | 3154.5 | 3141.4 |
| 37.5° | 2656.6 | 2654.5 | 2661.0 | 2654.5 |
| 40° | 2182.7 | 2180.5 | 2189.2 | 2178.4 |
| 42.5° | 1702.3 | 1708.8 | 1710.9 | 1710.9 |
| 45° | 1280.5 | 1282.7 | 1284.8 | 1284.8 |
| 47.5° | 934.8 | 937.0 | 947.9 | 934.8 |
| 50° | 660.9 | 663.1 | 665.2 | 660.9 |
| 52.5° | 437.0 | 439.2 | 437.0 | 430.4 |
| 55° | 267.4 | 269.6 | 269.6 | 269.6 |
| 57.5° | 143.4 | 145.7 | 145.7 | 143.4 |
| 60° | 78.3 | 76.1 | 78.3 | 73.9 |
| 62.5° | 41.3 | 45.6 | 43.5 | 39.1 |
| 65° | 26.1 | 26.1 | 26.1 | 30.4 |
| 67.5° | 21.7 | 17.4 | 19.6 | 15.2 |
| 70° | 13.1 | 15.2 | 15.2 | 10.8 |
| 72.5° | 10.8 | 10.8 | 10.8 | 13.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.4 | 4.4 | 4.4 | 2.1 |
| 80° | 2.1 | 0.0 | 2.1 | 0.0 |
| 82.5° | 2.1 | 2.1 | 4.4 | 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)