

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: P249205

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249205
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: LSR8B150D010 EC8B150830 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15752.0 lumens
Efficiency: N/A
Efficacy: 99.4 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

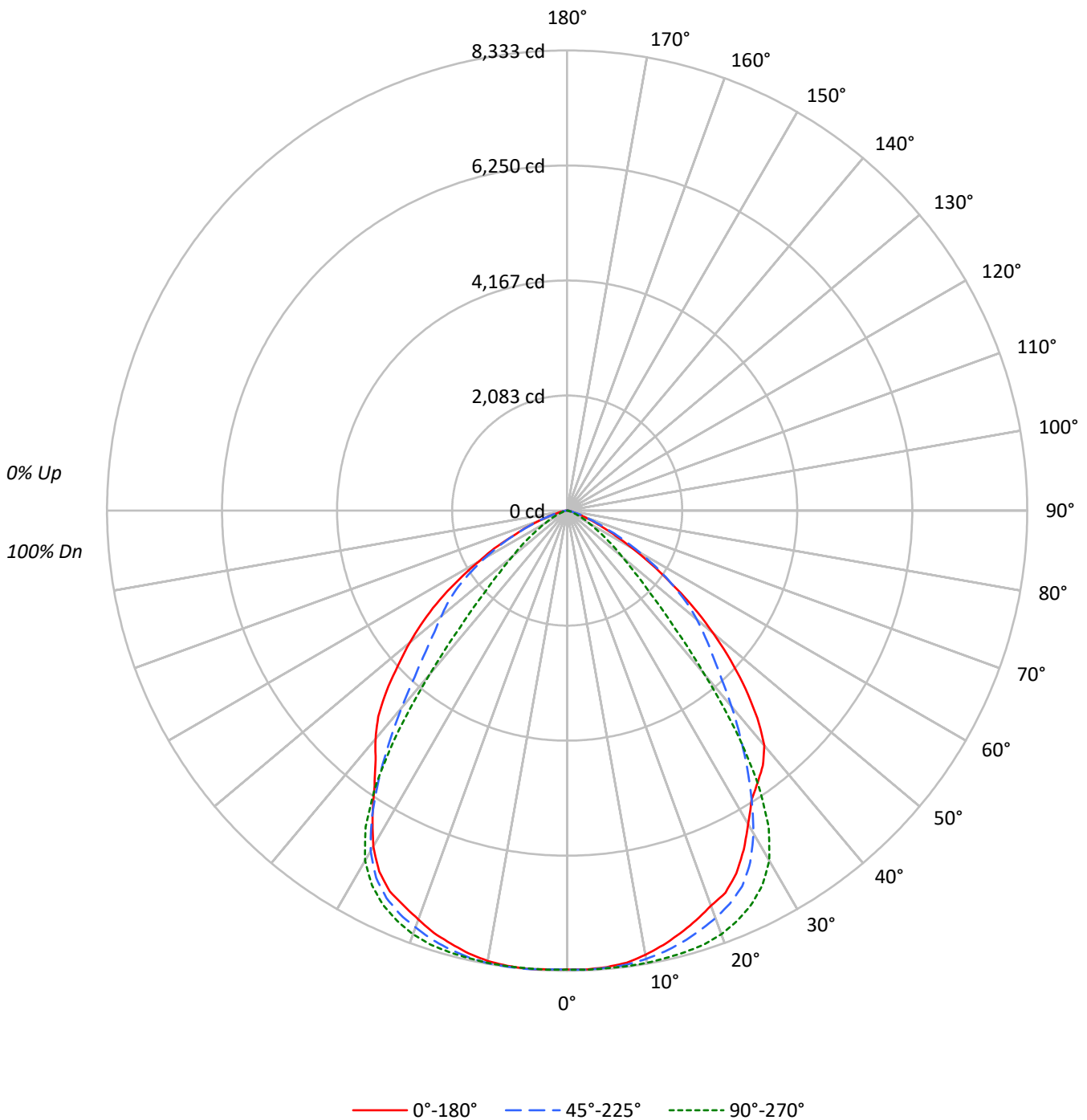
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249205

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249205

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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 | 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° | 256284 | 256284 | 256284 |
| 5° | 256845 | 257538 | 257817 |
| 10° | 255766 | 260375 | 259257 |
| 15° | 252931 | 264185 | 259201 |
| 20° | 249895 | 267898 | 258532 |
| 25° | 246651 | 268205 | 258794 |
| 30° | 233345 | 260666 | 250023 |
| 35° | 226377 | 226543 | 228899 |
| 40° | 223574 | 155871 | 217291 |
| 45° | 199215 | 93576 | 201936 |
| 50° | 165645 | 62278 | 178488 |
| 55° | 124232 | 42934 | 151333 |
| 60° | 84189 | 28610 | 114181 |
| 65° | 50784 | 18555 | 78445 |
| 70° | 28157 | 10062 | 48262 |
| 75° | 12760 | 4253 | 24984 |
| 80° | 11081 | 4741 | 17421 |
| 85° | 12631 | 6298 | 17372 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 793.2 | 5.0 |
| 10°-20° | 2303.5 | 14.6 |
| 20°-30° | 3496.3 | 22.2 |
| 30°-40° | 3672.1 | 23.3 |
| 40°-50° | 2753.1 | 17.5 |
| 50°-60° | 1766.5 | 11.2 |
| 60°-70° | 755.7 | 4.8 |
| 70°-80° | 178.5 | 1.1 |
| 80°-90° | 33.2 | 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° | 6592.9 | 41.9 |
| 0°-40° | 10265.0 | 65.2 |
| 0°-60° | 14784.6 | 93.9 |
| 0°-90° | 15752.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 15752.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 8311 | 8311 | 8311 | 8311 | 8311 | |
| 5° | 8298 | 8311 | 8320 | 8333 | 8329 | 788 |
| 15° | 7923 | 8088 | 8275 | 8222 | 8119 | 2235 |
| 25° | 7249 | 7504 | 7883 | 7740 | 7606 | 3312 |
| 35° | 6014 | 5679 | 6018 | 5947 | 6081 | 3774 |
| 45° | 4568 | 3734 | 2146 | 3627 | 4631 | 3498 |
| 55° | 2311 | 2311 | 799 | 2409 | 2815 | 2096 |
| 65° | 696 | 821 | 254 | 1057 | 1075 | 743 |
| 75° | 107 | 125 | 36 | 214 | 210 | 156 |
| 85° | 36 | 22 | 18 | 36 | 49 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249205

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 |
| 2.5° | 8315.5 | 8324.5 | 8320.0 | 8320.0 | 8315.5 | 8320.0 | 8320.0 | 8329.0 | 8329.0 | 8320.0 | 8315.5 |
| 5° | 8297.6 | 8306.6 | 8306.6 | 8297.6 | 8297.6 | 8320.0 | 8306.6 | 8315.5 | 8315.5 | 8311.1 | 8311.1 |
| 7.5° | 8257.6 | 8257.6 | 8275.4 | 8262.1 | 8262.1 | 8275.4 | 8270.9 | 8279.8 | 8288.8 | 8293.3 | 8293.3 |
| 10° | 8168.3 | 8177.2 | 8181.7 | 8181.7 | 8186.2 | 8199.5 | 8208.5 | 8226.4 | 8235.2 | 8244.2 | 8248.6 |
| 12.5° | 8056.8 | 8070.2 | 8074.6 | 8070.2 | 8083.6 | 8101.4 | 8123.8 | 8146.0 | 8159.4 | 8177.2 | 8190.7 |
| 15° | 7922.9 | 7922.9 | 7931.9 | 7945.3 | 7954.2 | 7981.0 | 8003.2 | 8030.0 | 8065.7 | 8088.1 | 8110.3 |
| 17.5° | 7775.8 | 7784.7 | 7798.0 | 7798.0 | 7815.9 | 7860.5 | 7873.9 | 7914.1 | 7954.2 | 7976.5 | 8021.1 |
| 20° | 7615.2 | 7624.0 | 7637.5 | 7646.4 | 7668.7 | 7704.4 | 7731.1 | 7766.8 | 7811.5 | 7851.6 | 7896.2 |
| 22.5° | 7490.2 | 7472.4 | 7481.3 | 7490.2 | 7512.6 | 7543.8 | 7575.0 | 7619.6 | 7664.2 | 7704.4 | 7749.0 |
| 25° | 7249.3 | 7253.8 | 7267.2 | 7276.0 | 7302.9 | 7329.6 | 7365.3 | 7418.8 | 7459.0 | 7503.6 | 7552.6 |
| 27.5° | 6923.7 | 6928.2 | 6950.4 | 6950.4 | 6972.7 | 7017.3 | 7039.6 | 7084.3 | 7137.8 | 7182.4 | 7240.5 |
| 30° | 6553.4 | 6562.3 | 6562.3 | 6580.2 | 6593.5 | 6615.9 | 6638.1 | 6682.8 | 6709.5 | 6749.7 | 6830.0 |
| 32.5° | 6214.4 | 6223.2 | 6218.8 | 6214.4 | 6201.0 | 6196.5 | 6192.0 | 6201.0 | 6209.9 | 6223.2 | 6254.4 |
| 35° | 6013.6 | 5991.3 | 5973.5 | 5942.3 | 5906.6 | 5861.9 | 5821.8 | 5768.3 | 5719.1 | 5679.0 | 5634.4 |
| 37.5° | 5821.8 | 5817.3 | 5790.5 | 5745.9 | 5674.5 | 5594.3 | 5500.6 | 5384.6 | 5268.5 | 5143.7 | 5023.3 |
| 40° | 5554.1 | 5540.7 | 5518.4 | 5456.0 | 5375.6 | 5277.5 | 5152.6 | 5009.8 | 4822.4 | 4630.6 | 4434.4 |
| 42.5° | 5099.0 | 5103.5 | 5076.8 | 5027.6 | 4951.9 | 4858.1 | 4728.8 | 4572.7 | 4371.9 | 4144.3 | 3890.1 |
| 45° | 4568.2 | 4568.2 | 4559.2 | 4519.1 | 4465.6 | 4389.7 | 4291.6 | 4162.2 | 3966.0 | 3733.9 | 3461.8 |
| 47.5° | 4015.0 | 4019.5 | 4006.0 | 3997.2 | 3974.8 | 3925.8 | 3854.4 | 3756.3 | 3618.0 | 3394.9 | 3122.8 |
| 50° | 3452.9 | 3452.9 | 3475.2 | 3470.7 | 3470.7 | 3452.9 | 3421.7 | 3363.7 | 3243.3 | 3064.8 | 2810.6 |
| 52.5° | 2890.8 | 2899.7 | 2913.2 | 2931.0 | 2953.2 | 2988.9 | 2953.2 | 2926.5 | 2850.6 | 2712.3 | 2493.8 |
| 55° | 2310.8 | 2319.8 | 2342.1 | 2373.3 | 2400.1 | 2435.8 | 2444.7 | 2444.7 | 2404.5 | 2310.8 | 2145.8 |
| 57.5° | 1815.7 | 1802.3 | 1820.2 | 1846.9 | 1882.6 | 1918.3 | 1945.1 | 1976.3 | 1971.8 | 1909.4 | 1775.5 |
| 60° | 1365.1 | 1369.6 | 1382.9 | 1409.8 | 1436.5 | 1467.7 | 1503.4 | 1530.2 | 1543.6 | 1512.4 | 1427.5 |
| 62.5° | 994.9 | 994.9 | 1012.6 | 1039.4 | 1052.8 | 1097.5 | 1119.7 | 1133.2 | 1146.5 | 1142.0 | 1088.5 |
| 65° | 696.0 | 704.8 | 713.8 | 727.2 | 740.5 | 767.3 | 780.7 | 807.4 | 816.4 | 820.9 | 780.7 |
| 67.5° | 490.8 | 477.3 | 486.3 | 495.1 | 508.6 | 526.5 | 553.2 | 553.2 | 566.5 | 566.5 | 539.8 |
| 70° | 312.3 | 312.3 | 316.8 | 330.1 | 339.0 | 343.5 | 352.5 | 361.3 | 374.7 | 370.3 | 370.3 |
| 72.5° | 209.7 | 205.2 | 209.7 | 214.2 | 218.6 | 232.0 | 232.0 | 236.4 | 245.4 | 249.9 | 232.0 |
| 75° | 107.1 | 111.6 | 120.4 | 116.0 | 129.4 | 120.4 | 124.9 | 138.3 | 133.8 | 124.9 | 124.9 |
| 77.5° | 89.2 | 89.2 | 89.2 | 84.8 | 93.7 | 93.7 | 89.2 | 98.1 | 93.7 | 93.7 | 89.2 |
| 80° | 62.4 | 66.9 | 62.4 | 58.0 | 62.4 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 53.5 |
| 82.5° | 49.1 | 40.2 | 44.6 | 40.2 | 44.6 | 44.6 | 40.2 | 35.7 | 35.7 | 40.2 | 35.7 |
| 85° | 35.7 | 26.7 | 31.2 | 31.2 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 22.3 | 22.3 |
| 87.5° | 22.3 | 13.4 | 13.4 | 13.4 | 17.8 | 17.8 | 17.8 | 13.4 | 17.8 | 17.8 | 8.9 |
| 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: P249205

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 |
| 2.5° | 8324.5 | 8320.0 | 8329.0 | 8324.5 | 8324.5 | 8320.0 | 8324.5 | 8320.0 | 8329.0 | 8311.1 | 8315.5 |
| 5° | 8324.5 | 8315.5 | 8320.0 | 8324.5 | 8329.0 | 8320.0 | 8320.0 | 8320.0 | 8329.0 | 8320.0 | 8324.5 |
| 7.5° | 8306.6 | 8302.1 | 8315.5 | 8324.5 | 8320.0 | 8315.5 | 8324.5 | 8320.0 | 8329.0 | 8324.5 | 8333.3 |
| 10° | 8270.9 | 8275.4 | 8284.3 | 8297.6 | 8302.1 | 8306.6 | 8315.5 | 8315.5 | 8329.0 | 8311.1 | 8320.0 |
| 12.5° | 8217.4 | 8235.2 | 8257.6 | 8266.4 | 8284.3 | 8284.3 | 8293.3 | 8297.6 | 8306.6 | 8302.1 | 8315.5 |
| 15° | 8150.5 | 8172.8 | 8199.5 | 8221.9 | 8244.2 | 8257.6 | 8270.9 | 8275.4 | 8288.8 | 8275.4 | 8279.8 |
| 17.5° | 8070.2 | 8096.9 | 8137.1 | 8163.8 | 8199.5 | 8212.9 | 8230.7 | 8239.7 | 8253.1 | 8244.2 | 8248.6 |
| 20° | 7958.6 | 7989.9 | 8034.5 | 8074.6 | 8096.9 | 8128.1 | 8150.5 | 8163.8 | 8172.8 | 8163.8 | 8168.3 |
| 22.5° | 7802.5 | 7847.1 | 7905.1 | 7936.3 | 7981.0 | 8007.7 | 8012.2 | 8043.4 | 8065.7 | 8043.4 | 8052.4 |
| 25° | 7619.6 | 7664.2 | 7708.8 | 7775.8 | 7815.9 | 7847.1 | 7878.4 | 7882.8 | 7905.1 | 7900.6 | 7896.2 |
| 27.5° | 7316.2 | 7374.3 | 7450.0 | 7503.6 | 7557.1 | 7606.2 | 7641.9 | 7650.8 | 7673.2 | 7664.2 | 7668.7 |
| 30° | 6901.3 | 6963.9 | 7035.2 | 7119.9 | 7195.8 | 7244.8 | 7289.5 | 7320.7 | 7343.0 | 7329.6 | 7325.2 |
| 32.5° | 6312.5 | 6375.0 | 6450.8 | 6535.5 | 6624.8 | 6696.1 | 6749.7 | 6789.9 | 6816.6 | 6807.7 | 6785.4 |
| 35° | 5638.9 | 5656.7 | 5705.8 | 5772.7 | 5848.5 | 5924.4 | 5973.5 | 6018.0 | 6049.2 | 6058.2 | 6058.2 |
| 37.5° | 4947.4 | 4889.4 | 4853.7 | 4853.7 | 4898.3 | 4929.5 | 4974.2 | 5000.9 | 5050.0 | 5067.8 | 5081.2 |
| 40° | 4278.2 | 4144.3 | 4019.5 | 3925.8 | 3863.4 | 3858.9 | 3858.9 | 3872.2 | 3916.9 | 3974.8 | 4028.4 |
| 42.5° | 3680.4 | 3466.3 | 3274.5 | 3100.5 | 2975.6 | 2904.2 | 2873.0 | 2877.5 | 2913.2 | 2966.7 | 3055.8 |
| 45° | 3203.1 | 2935.4 | 2694.5 | 2484.8 | 2315.3 | 2203.8 | 2150.3 | 2145.8 | 2172.5 | 2235.0 | 2333.2 |
| 47.5° | 2832.8 | 2547.3 | 2275.1 | 2034.2 | 1851.4 | 1730.9 | 1668.5 | 1650.7 | 1668.5 | 1726.4 | 1842.5 |
| 50° | 2525.0 | 2230.6 | 1949.5 | 1699.7 | 1503.4 | 1378.5 | 1320.5 | 1298.2 | 1320.5 | 1369.6 | 1485.5 |
| 52.5° | 2239.5 | 1936.1 | 1672.9 | 1432.0 | 1222.3 | 1115.3 | 1052.8 | 1039.4 | 1052.8 | 1110.8 | 1204.5 |
| 55° | 1909.4 | 1650.7 | 1391.9 | 1150.9 | 968.1 | 861.0 | 811.9 | 798.6 | 811.9 | 865.5 | 963.6 |
| 57.5° | 1583.7 | 1360.6 | 1133.2 | 914.5 | 758.4 | 664.7 | 620.1 | 602.2 | 633.4 | 669.1 | 785.2 |
| 60° | 1280.3 | 1101.9 | 910.0 | 718.2 | 588.9 | 504.1 | 468.4 | 463.9 | 472.9 | 517.5 | 597.7 |
| 62.5° | 1003.8 | 856.6 | 704.8 | 548.7 | 441.6 | 406.0 | 361.3 | 356.9 | 365.8 | 392.5 | 455.1 |
| 65° | 722.7 | 629.1 | 513.0 | 401.5 | 316.8 | 267.7 | 249.9 | 254.3 | 263.2 | 281.1 | 339.0 |
| 67.5° | 504.1 | 437.2 | 356.9 | 281.1 | 218.6 | 196.3 | 178.5 | 174.0 | 178.5 | 209.7 | 240.9 |
| 70° | 339.0 | 298.9 | 240.9 | 214.2 | 151.7 | 120.4 | 124.9 | 111.6 | 129.4 | 129.4 | 156.1 |
| 72.5° | 223.0 | 196.3 | 160.6 | 124.9 | 107.1 | 84.8 | 84.8 | 80.3 | 89.2 | 93.7 | 116.0 |
| 75° | 116.0 | 89.2 | 89.2 | 62.4 | 44.6 | 22.3 | 40.2 | 35.7 | 31.2 | 35.7 | 44.6 |
| 77.5° | 80.3 | 66.9 | 62.4 | 49.1 | 44.6 | 35.7 | 35.7 | 35.7 | 35.7 | 40.2 | 44.6 |
| 80° | 49.1 | 49.1 | 35.7 | 31.2 | 26.7 | 22.3 | 26.7 | 26.7 | 26.7 | 26.7 | 31.2 |
| 82.5° | 31.2 | 26.7 | 26.7 | 22.3 | 22.3 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 26.7 |
| 85° | 26.7 | 17.8 | 17.8 | 13.4 | 17.8 | 31.2 | 13.4 | 17.8 | 17.8 | 17.8 | 13.4 |
| 87.5° | 8.9 | 13.4 | 13.4 | 13.4 | 8.9 | 4.5 | 8.9 | 13.4 | 13.4 | 22.3 | 17.8 |
| 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: P249205

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 | 8311.1 |
| 2.5° | 8324.5 | 8329.0 | 8329.0 | 8324.5 | 8324.5 | 8315.5 | 8333.3 | 8320.0 | 8324.5 | 8342.3 | 8329.0 |
| 5° | 8333.3 | 8337.8 | 8337.8 | 8333.3 | 8333.3 | 8333.3 | 8337.8 | 8337.8 | 8333.3 | 8329.0 | 8337.8 |
| 7.5° | 8351.2 | 8346.8 | 8346.8 | 8337.8 | 8337.8 | 8329.0 | 8337.8 | 8324.5 | 8333.3 | 8324.5 | 8337.8 |
| 10° | 8329.0 | 8333.3 | 8329.0 | 8324.5 | 8324.5 | 8320.0 | 8320.0 | 8306.6 | 8311.1 | 8297.6 | 8306.6 |
| 12.5° | 8315.5 | 8311.1 | 8311.1 | 8302.1 | 8293.3 | 8284.3 | 8279.8 | 8266.4 | 8266.4 | 8235.2 | 8248.6 |
| 15° | 8279.8 | 8284.3 | 8270.9 | 8253.1 | 8244.2 | 8221.9 | 8212.9 | 8195.0 | 8177.2 | 8155.0 | 8159.4 |
| 17.5° | 8248.6 | 8235.2 | 8217.4 | 8199.5 | 8163.8 | 8146.0 | 8128.1 | 8101.4 | 8092.4 | 8065.7 | 8056.8 |
| 20° | 8155.0 | 8146.0 | 8123.8 | 8092.4 | 8070.2 | 8030.0 | 8012.2 | 7985.4 | 7963.1 | 7936.3 | 7922.9 |
| 22.5° | 8034.5 | 8025.5 | 7998.8 | 7967.6 | 7931.9 | 7914.1 | 7896.2 | 7847.1 | 7824.8 | 7798.0 | 7793.6 |
| 25° | 7882.8 | 7869.4 | 7842.7 | 7807.0 | 7789.1 | 7740.1 | 7722.2 | 7686.5 | 7677.6 | 7650.8 | 7646.4 |
| 27.5° | 7650.8 | 7633.0 | 7601.8 | 7557.1 | 7525.9 | 7494.7 | 7476.9 | 7450.0 | 7441.2 | 7414.3 | 7410.0 |
| 30° | 7302.9 | 7280.5 | 7218.1 | 7200.3 | 7146.7 | 7115.5 | 7115.5 | 7079.8 | 7084.3 | 7066.5 | 7066.5 |
| 32.5° | 6754.2 | 6718.5 | 6669.4 | 6633.7 | 6598.0 | 6580.2 | 6580.2 | 6566.7 | 6575.7 | 6575.7 | 6584.6 |
| 35° | 6027.0 | 5978.0 | 5951.1 | 5928.8 | 5928.8 | 5946.6 | 6000.2 | 6013.6 | 6040.4 | 6062.7 | 6080.6 |
| 37.5° | 5094.6 | 5090.2 | 5121.4 | 5148.1 | 5215.1 | 5290.9 | 5384.6 | 5464.9 | 5540.7 | 5594.3 | 5647.8 |
| 40° | 4086.4 | 4197.9 | 4287.1 | 4412.1 | 4514.6 | 4661.9 | 4831.4 | 4969.7 | 5099.0 | 5192.8 | 5290.9 |
| 42.5° | 3189.7 | 3332.4 | 3519.9 | 3702.7 | 3885.6 | 4086.4 | 4309.5 | 4501.3 | 4670.8 | 4800.2 | 4902.8 |
| 45° | 2484.8 | 2681.1 | 2908.7 | 3140.6 | 3377.1 | 3626.9 | 3858.9 | 4055.2 | 4233.6 | 4367.5 | 4470.1 |
| 47.5° | 2003.0 | 2217.2 | 2475.9 | 2730.2 | 2997.9 | 3261.1 | 3519.9 | 3689.4 | 3836.5 | 3943.6 | 4037.4 |
| 50° | 1655.0 | 1882.6 | 2154.7 | 2444.7 | 2712.3 | 2975.6 | 3198.6 | 3363.7 | 3484.2 | 3577.8 | 3635.8 |
| 52.5° | 1382.9 | 1623.8 | 1913.8 | 2203.8 | 2471.4 | 2712.3 | 2913.2 | 3038.0 | 3136.2 | 3203.1 | 3256.6 |
| 55° | 1142.0 | 1374.1 | 1646.2 | 1918.3 | 2181.5 | 2409.0 | 2574.0 | 2667.8 | 2743.5 | 2783.7 | 2814.9 |
| 57.5° | 932.4 | 1146.5 | 1396.3 | 1646.2 | 1873.7 | 2061.1 | 2190.4 | 2284.1 | 2319.8 | 2351.0 | 2346.5 |
| 60° | 731.7 | 932.4 | 1159.9 | 1374.1 | 1570.3 | 1721.9 | 1815.7 | 1869.2 | 1895.9 | 1909.4 | 1900.4 |
| 62.5° | 575.5 | 758.4 | 932.4 | 1119.7 | 1262.5 | 1391.9 | 1481.1 | 1481.1 | 1494.5 | 1498.9 | 1512.4 |
| 65° | 428.2 | 566.5 | 718.2 | 856.6 | 972.5 | 1057.3 | 1106.4 | 1119.7 | 1137.6 | 1133.2 | 1124.2 |
| 67.5° | 316.8 | 419.4 | 530.8 | 633.4 | 713.8 | 767.3 | 803.0 | 834.3 | 829.8 | 820.9 | 816.4 |
| 70° | 218.6 | 285.6 | 383.7 | 446.1 | 504.1 | 557.7 | 566.5 | 571.0 | 575.5 | 579.9 | 571.0 |
| 72.5° | 151.7 | 200.7 | 254.3 | 307.8 | 343.5 | 365.8 | 388.2 | 392.5 | 392.5 | 392.5 | 388.2 |
| 75° | 75.9 | 102.6 | 151.7 | 174.0 | 205.2 | 214.2 | 232.0 | 232.0 | 245.4 | 227.5 | 223.0 |
| 77.5° | 66.9 | 80.3 | 107.1 | 124.9 | 138.3 | 151.7 | 156.1 | 169.5 | 165.0 | 156.1 | 160.6 |
| 80° | 40.2 | 49.1 | 66.9 | 75.9 | 93.7 | 98.1 | 102.6 | 107.1 | 102.6 | 107.1 | 107.1 |
| 82.5° | 31.2 | 35.7 | 44.6 | 44.6 | 58.0 | 58.0 | 62.4 | 62.4 | 66.9 | 66.9 | 66.9 |
| 85° | 17.8 | 31.2 | 26.7 | 53.5 | 35.7 | 35.7 | 44.6 | 53.5 | 44.6 | 44.6 | 53.5 |
| 87.5° | 17.8 | 17.8 | 13.4 | 17.8 | 17.8 | 17.8 | 22.3 | 26.7 | 26.7 | 31.2 | 26.7 |
| 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: P249205

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 8311.1 | 8311.1 | 8311.1 | 8311.1 |
| 2.5° | 8324.5 | 8333.3 | 8320.0 | 8315.5 |
| 5° | 8337.8 | 8337.8 | 8329.0 | 8329.0 |
| 7.5° | 8337.8 | 8337.8 | 8324.5 | 8315.5 |
| 10° | 8302.1 | 8302.1 | 8288.8 | 8279.8 |
| 12.5° | 8235.2 | 8235.2 | 8230.7 | 8217.4 |
| 15° | 8150.5 | 8150.5 | 8132.6 | 8119.3 |
| 17.5° | 8034.5 | 8043.4 | 8021.1 | 8021.1 |
| 20° | 7909.6 | 7905.1 | 7887.3 | 7878.4 |
| 22.5° | 7780.2 | 7771.3 | 7766.8 | 7740.1 |
| 25° | 7641.9 | 7633.0 | 7619.6 | 7606.2 |
| 27.5° | 7405.5 | 7401.0 | 7387.6 | 7369.8 |
| 30° | 7044.1 | 7039.6 | 7021.8 | 7021.8 |
| 32.5° | 6575.7 | 6571.2 | 6553.4 | 6557.9 |
| 35° | 6089.4 | 6107.3 | 6098.4 | 6080.6 |
| 37.5° | 5683.5 | 5696.9 | 5705.8 | 5696.9 |
| 40° | 5344.4 | 5384.6 | 5389.1 | 5398.0 |
| 42.5° | 4983.1 | 5036.6 | 5054.5 | 5063.3 |
| 45° | 4550.3 | 4599.4 | 4639.6 | 4630.6 |
| 47.5° | 4108.7 | 4144.3 | 4180.0 | 4153.3 |
| 50° | 3684.9 | 3707.2 | 3720.6 | 3720.6 |
| 52.5° | 3283.4 | 3283.4 | 3279.0 | 3283.4 |
| 55° | 2823.9 | 2823.9 | 2806.1 | 2814.9 |
| 57.5° | 2342.1 | 2351.0 | 2337.6 | 2315.3 |
| 60° | 1895.9 | 1873.7 | 1864.7 | 1851.4 |
| 62.5° | 1476.7 | 1476.7 | 1445.4 | 1485.5 |
| 65° | 1106.4 | 1093.0 | 1079.6 | 1075.1 |
| 67.5° | 803.0 | 798.6 | 785.2 | 780.7 |
| 70° | 566.5 | 548.7 | 544.3 | 535.3 |
| 72.5° | 379.2 | 379.2 | 370.3 | 370.3 |
| 75° | 232.0 | 209.7 | 205.2 | 209.7 |
| 77.5° | 160.6 | 156.1 | 156.1 | 151.7 |
| 80° | 107.1 | 102.6 | 111.6 | 98.1 |
| 82.5° | 66.9 | 71.4 | 66.9 | 71.4 |
| 85° | 44.6 | 53.5 | 49.1 | 49.1 |
| 87.5° | 26.7 | 26.7 | 26.7 | 26.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)