

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: P249719

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249719
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: LD8B175D010 ER8B175835 8LBSW0LI
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19395.0 lumens
Efficiency: N/A
Efficacy: 109.5 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

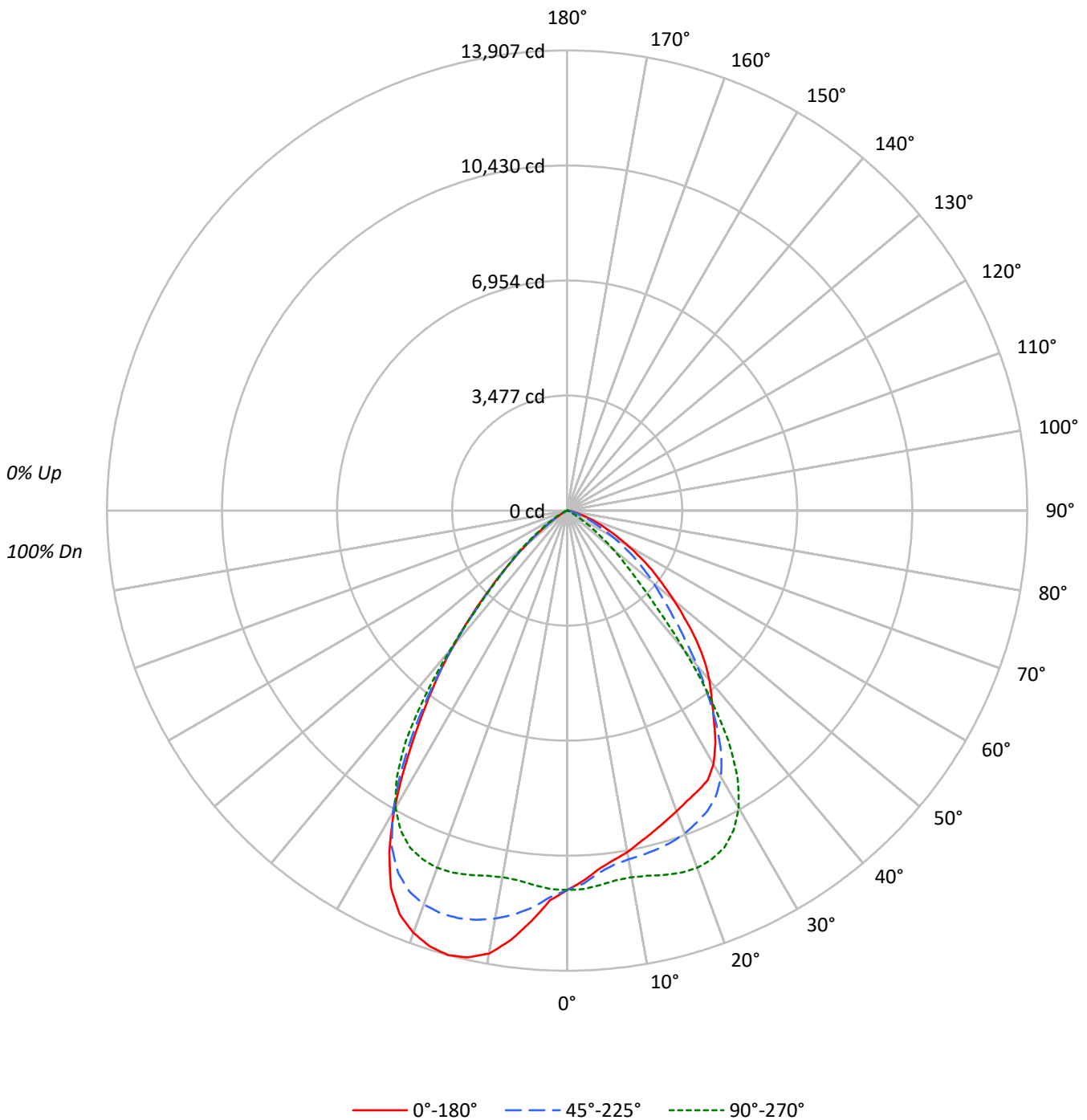
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249719

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P249719

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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 | 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° | 353640 | 353640 | 353640 |
| 5° | 336911 | 351673 | 385518 |
| 10° | 328222 | 352216 | 425546 |
| 15° | 320780 | 363890 | 443956 |
| 20° | 317249 | 377038 | 445622 |
| 25° | 317993 | 382363 | 428309 |
| 30° | 315041 | 369234 | 372478 |
| 35° | 291110 | 319550 | 291509 |
| 40° | 269009 | 221550 | 216160 |
| 45° | 239541 | 133679 | 138114 |
| 50° | 201553 | 86126 | 78157 |
| 55° | 167682 | 47246 | 35730 |
| 60° | 130882 | 20488 | 11237 |
| 65° | 96584 | 10171 | 5472 |
| 70° | 67160 | 6284 | 2407 |
| 75° | 40866 | 1287 | 0 |
| 80° | 29496 | 1918 | 0 |
| 85° | 18964 | 1875 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1102.5 | 5.7 |
| 10°-20° | 3299.6 | 17.0 |
| 20°-30° | 5053.1 | 26.1 |
| 30°-40° | 4953.7 | 25.5 |
| 40°-50° | 2983.1 | 15.4 |
| 50°-60° | 1373.0 | 7.1 |
| 60°-70° | 482.3 | 2.5 |
| 70°-80° | 126.2 | 0.7 |
| 80°-90° | 21.5 | 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° | 9455.2 | 48.8 |
| 0°-40° | 14408.9 | 74.3 |
| 0°-60° | 18765.0 | 96.8 |
| 0°-90° | 19395.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 19395.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 11468 | 11468 | 11468 | 11468 | 11468 | |
| 5° | 10884 | 10986 | 11361 | 12042 | 12454 | ### |
| 15° | 10048 | 10590 | 11399 | 12749 | 13907 | 2839 |
| 25° | 9346 | 10022 | 11238 | 12085 | 12588 | 4305 |
| 35° | 7733 | 7840 | 8489 | 8001 | 7744 | 4843 |
| 45° | 5493 | 4523 | 3065 | 3087 | 3167 | 4212 |
| 55° | 3119 | 2470 | 879 | 691 | 665 | 2783 |
| 65° | 1324 | 916 | 139 | 70 | 75 | 1348 |
| 75° | 343 | 198 | 11 | 0 | 0 | 416 |
| 85° | 54 | 27 | 5 | 0 | 0 | 74 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249719

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 |
| 2.5° | 11200.3 | 11211.1 | 11211.1 | 11211.1 | 11232.5 | 11238.0 | 11232.5 | 11238.0 | 11248.6 | 11286.1 | 11302.2 |
| 5° | 10884.2 | 10868.1 | 10878.9 | 10873.4 | 10900.3 | 10916.4 | 10905.6 | 10921.7 | 10959.2 | 10986.1 | 11012.8 |
| 7.5° | 10659.2 | 10659.2 | 10659.2 | 10669.8 | 10685.9 | 10718.1 | 10712.8 | 10723.4 | 10760.9 | 10798.4 | 10835.9 |
| 10° | 10482.3 | 10477.0 | 10477.0 | 10503.7 | 10525.1 | 10562.6 | 10573.4 | 10605.6 | 10653.7 | 10702.0 | 10744.8 |
| 12.5° | 10251.8 | 10257.3 | 10284.0 | 10310.9 | 10359.0 | 10417.9 | 10450.1 | 10493.1 | 10568.1 | 10648.4 | 10696.7 |
| 15° | 10048.2 | 10053.5 | 10075.1 | 10128.5 | 10187.6 | 10257.3 | 10326.8 | 10396.5 | 10487.6 | 10589.5 | 10675.3 |
| 17.5° | 9849.9 | 9855.2 | 9871.3 | 9930.4 | 10005.4 | 10096.5 | 10176.8 | 10267.9 | 10385.9 | 10503.7 | 10610.9 |
| 20° | 9667.7 | 9662.4 | 9689.1 | 9742.7 | 9839.3 | 9924.9 | 10005.4 | 10112.6 | 10241.2 | 10385.9 | 10509.0 |
| 22.5° | 9490.8 | 9490.8 | 9517.7 | 9571.3 | 9657.1 | 9742.7 | 9828.5 | 9941.0 | 10069.6 | 10209.0 | 10353.7 |
| 25° | 9346.1 | 9340.8 | 9378.3 | 9405.2 | 9469.4 | 9555.2 | 9646.3 | 9737.4 | 9866.0 | 10021.5 | 10160.7 |
| 27.5° | 9190.8 | 9185.5 | 9190.8 | 9223.0 | 9281.9 | 9346.1 | 9415.8 | 9496.3 | 9603.5 | 9732.1 | 9866.0 |
| 30° | 8847.8 | 8853.1 | 8853.1 | 8880.0 | 8912.2 | 8981.7 | 9019.2 | 9099.7 | 9196.1 | 9303.3 | 9421.3 |
| 32.5° | 8338.7 | 8344.0 | 8344.0 | 8354.8 | 8381.5 | 8413.7 | 8445.9 | 8504.8 | 8579.8 | 8670.9 | 8778.1 |
| 35° | 7733.2 | 7733.2 | 7727.7 | 7733.2 | 7749.3 | 7749.3 | 7776.0 | 7749.3 | 7786.8 | 7840.4 | 7920.7 |
| 37.5° | 7175.8 | 7165.0 | 7154.4 | 7143.6 | 7127.5 | 7100.8 | 7063.3 | 6998.9 | 6982.8 | 6961.4 | 6966.7 |
| 40° | 6682.8 | 6677.5 | 6645.3 | 6618.4 | 6564.8 | 6500.6 | 6409.5 | 6297.0 | 6205.9 | 6098.7 | 6007.6 |
| 42.5° | 6136.2 | 6130.6 | 6104.0 | 6055.7 | 5996.8 | 5900.4 | 5755.7 | 5605.7 | 5423.5 | 5262.7 | 5096.6 |
| 45° | 5492.9 | 5509.0 | 5471.5 | 5417.9 | 5348.2 | 5257.1 | 5096.6 | 4914.1 | 4731.9 | 4523.0 | 4313.9 |
| 47.5° | 4823.0 | 4817.7 | 4791.1 | 4758.8 | 4700.0 | 4608.9 | 4501.6 | 4303.3 | 4110.3 | 3917.5 | 3703.1 |
| 50° | 4201.4 | 4180.0 | 4169.2 | 4137.2 | 4099.7 | 4024.7 | 3912.0 | 3751.2 | 3579.8 | 3397.6 | 3199.3 |
| 52.5° | 3612.0 | 3612.0 | 3585.1 | 3563.7 | 3531.5 | 3472.6 | 3376.2 | 3247.6 | 3102.9 | 2931.3 | 2722.4 |
| 55° | 3119.0 | 3108.2 | 3081.5 | 3054.6 | 3022.4 | 2984.9 | 2899.3 | 2792.1 | 2636.6 | 2470.5 | 2288.3 |
| 57.5° | 2593.8 | 2588.3 | 2577.7 | 2545.5 | 2529.4 | 2491.9 | 2395.5 | 2288.3 | 2154.4 | 2009.7 | 1859.5 |
| 60° | 2122.2 | 2100.8 | 2079.2 | 2057.8 | 2031.1 | 1993.6 | 1929.2 | 1838.1 | 1725.6 | 1597.0 | 1447.0 |
| 62.5° | 1698.9 | 1730.9 | 1666.7 | 1666.7 | 1613.1 | 1580.9 | 1522.0 | 1468.4 | 1350.4 | 1232.6 | 1104.0 |
| 65° | 1323.7 | 1323.7 | 1296.8 | 1275.4 | 1243.2 | 1205.7 | 1146.8 | 1093.2 | 1007.4 | 916.3 | 825.2 |
| 67.5° | 1012.9 | 1007.4 | 980.7 | 959.3 | 932.4 | 911.0 | 868.2 | 803.8 | 739.6 | 664.6 | 589.4 |
| 70° | 744.9 | 739.6 | 734.1 | 696.6 | 675.2 | 648.5 | 616.3 | 573.5 | 525.2 | 471.6 | 401.9 |
| 72.5° | 535.8 | 535.8 | 519.9 | 503.8 | 482.4 | 460.8 | 428.8 | 401.9 | 359.1 | 321.6 | 273.3 |
| 75° | 343.0 | 337.7 | 337.7 | 310.8 | 310.8 | 278.6 | 257.2 | 241.1 | 219.7 | 198.3 | 155.5 |
| 77.5° | 246.6 | 241.1 | 235.8 | 225.0 | 214.4 | 203.6 | 187.5 | 166.1 | 150.0 | 128.6 | 112.5 |
| 80° | 166.1 | 155.5 | 150.0 | 150.0 | 133.9 | 128.6 | 133.9 | 101.9 | 96.4 | 80.3 | 69.7 |
| 82.5° | 101.9 | 101.9 | 96.4 | 96.4 | 91.1 | 85.8 | 69.7 | 69.7 | 64.4 | 58.9 | 48.3 |
| 85° | 53.6 | 69.7 | 48.3 | 53.6 | 48.3 | 53.6 | 48.3 | 37.5 | 32.2 | 26.7 | 26.7 |
| 87.5° | 32.2 | 21.4 | 21.4 | 32.2 | 26.7 | 21.4 | 21.4 | 21.4 | 16.1 | 10.8 | 10.8 |
| 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° | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 |
| 2.5° | 11291.6 | 11329.1 | 11323.6 | 11371.9 | 11388.0 | 11425.5 | 11425.5 | 11452.2 | 11468.3 | 11505.8 | 11538.0 |
| 5° | 11023.6 | 11082.5 | 11098.6 | 11157.5 | 11205.8 | 11264.7 | 11302.2 | 11361.1 | 11414.7 | 11495.2 | 11570.2 |
| 7.5° | 10857.5 | 10905.6 | 10937.8 | 11007.5 | 11061.1 | 11125.3 | 11189.7 | 11270.0 | 11345.0 | 11441.6 | 11548.8 |
| 10° | 10777.0 | 10841.4 | 10889.5 | 10959.2 | 11023.6 | 11093.3 | 11157.5 | 11248.6 | 11334.4 | 11457.7 | 11575.5 |
| 12.5° | 10755.6 | 10830.6 | 10889.5 | 10986.1 | 11050.3 | 11125.3 | 11200.3 | 11302.2 | 11393.3 | 11521.9 | 11656.0 |
| 15° | 10755.6 | 10857.5 | 10937.8 | 11045.0 | 11120.0 | 11216.4 | 11296.9 | 11398.6 | 11500.5 | 11634.4 | 11763.0 |
| 17.5° | 10734.2 | 10857.5 | 10959.2 | 11082.5 | 11178.9 | 11275.5 | 11377.2 | 11473.8 | 11580.8 | 11709.6 | 11854.1 |
| 20° | 10648.4 | 10803.9 | 10927.0 | 11071.7 | 11173.6 | 11280.8 | 11382.7 | 11489.7 | 11602.4 | 11736.3 | 11859.6 |
| 22.5° | 10498.4 | 10680.6 | 10820.0 | 10975.3 | 11093.3 | 11200.3 | 11302.2 | 11409.4 | 11532.7 | 11661.3 | 11789.9 |
| 25° | 10300.1 | 10471.5 | 10621.7 | 10782.3 | 10900.3 | 11018.1 | 11114.7 | 11238.0 | 11350.5 | 11473.8 | 11575.5 |
| 27.5° | 9999.9 | 10182.1 | 10326.8 | 10493.1 | 10600.1 | 10712.8 | 10793.1 | 10895.0 | 11002.2 | 11103.9 | 11184.4 |
| 30° | 9549.9 | 9716.0 | 9866.0 | 10016.0 | 10123.2 | 10203.7 | 10289.3 | 10369.8 | 10439.5 | 10509.0 | 10578.7 |
| 32.5° | 8890.6 | 9040.8 | 9185.5 | 9324.7 | 9410.5 | 9480.2 | 9544.4 | 9592.7 | 9630.2 | 9667.7 | 9673.0 |
| 35° | 7985.1 | 8108.2 | 8199.3 | 8322.6 | 8403.1 | 8467.3 | 8467.3 | 8488.7 | 8483.4 | 8467.3 | 8451.2 |
| 37.5° | 6972.2 | 7020.3 | 7057.8 | 7106.1 | 7111.4 | 7111.4 | 7079.4 | 7052.5 | 7009.7 | 6998.9 | 6966.7 |
| 40° | 5916.5 | 5852.1 | 5803.7 | 5739.6 | 5702.1 | 5621.5 | 5552.1 | 5503.8 | 5434.0 | 5423.5 | 5412.7 |
| 42.5° | 4914.1 | 4764.1 | 4630.2 | 4517.8 | 4389.2 | 4276.4 | 4174.7 | 4099.7 | 4046.1 | 4040.6 | 4046.1 |
| 45° | 4099.7 | 3928.1 | 3729.8 | 3574.5 | 3429.8 | 3290.4 | 3156.5 | 3065.4 | 3017.1 | 3006.3 | 3017.1 |
| 47.5° | 3483.4 | 3285.1 | 3092.1 | 2915.2 | 2759.9 | 2604.4 | 2470.5 | 2347.2 | 2288.3 | 2272.2 | 2266.9 |
| 50° | 2995.7 | 2792.1 | 2588.3 | 2406.1 | 2234.7 | 2079.2 | 1913.1 | 1795.3 | 1720.3 | 1693.4 | 1672.0 |
| 52.5° | 2518.8 | 2336.6 | 2127.5 | 1940.0 | 1768.4 | 1586.2 | 1414.8 | 1280.7 | 1205.7 | 1173.7 | 1152.1 |
| 55° | 2100.8 | 1918.6 | 1725.6 | 1543.4 | 1361.2 | 1179.0 | 1007.4 | 878.8 | 798.5 | 761.0 | 734.1 |
| 57.5° | 1677.3 | 1505.9 | 1339.8 | 1157.6 | 1007.4 | 830.7 | 659.1 | 546.6 | 476.9 | 434.1 | 412.7 |
| 60° | 1296.8 | 1162.9 | 1018.2 | 868.2 | 723.5 | 578.8 | 439.4 | 332.2 | 278.6 | 246.6 | 219.7 |
| 62.5° | 980.7 | 868.2 | 771.6 | 643.0 | 530.5 | 407.2 | 300.2 | 214.4 | 166.1 | 139.4 | 128.6 |
| 65° | 707.4 | 621.6 | 535.8 | 455.5 | 375.2 | 284.1 | 203.6 | 139.4 | 96.4 | 80.3 | 75.0 |
| 67.5° | 503.8 | 434.1 | 369.7 | 316.1 | 257.2 | 203.6 | 144.7 | 96.4 | 75.0 | 64.4 | 58.9 |
| 70° | 353.6 | 300.2 | 257.2 | 209.1 | 171.4 | 133.9 | 112.5 | 69.7 | 42.8 | 48.3 | 37.5 |
| 72.5° | 235.8 | 198.3 | 176.9 | 144.7 | 117.8 | 96.4 | 69.7 | 48.3 | 48.3 | 37.5 | 32.2 |
| 75° | 128.6 | 117.8 | 91.1 | 69.7 | 58.9 | 53.6 | 21.4 | 10.8 | 5.3 | 16.1 | 5.3 |
| 77.5° | 91.1 | 80.3 | 69.7 | 58.9 | 48.3 | 37.5 | 21.4 | 21.4 | 16.1 | 21.4 | 10.8 |
| 80° | 58.9 | 48.3 | 42.8 | 42.8 | 26.7 | 16.1 | 10.8 | 10.8 | 16.1 | 5.3 | 5.3 |
| 82.5° | 37.5 | 32.2 | 26.7 | 26.7 | 26.7 | 16.1 | 16.1 | 16.1 | 16.1 | 10.8 | 10.8 |
| 85° | 21.4 | 16.1 | 10.8 | 10.8 | 5.3 | 10.8 | 0.0 | 5.3 | 5.3 | 0.0 | 0.0 |
| 87.5° | 10.8 | 5.3 | 5.3 | 5.3 | 5.3 | 0.0 | 0.0 | 5.3 | 0.0 | 5.3 | 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: P249719

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 | 11468.3 |
| 2.5° | 11559.4 | 11580.8 | 11607.7 | 11629.1 | 11677.4 | 11688.0 | 11709.6 | 11731.0 | 11747.1 | 11763.0 | 11768.5 |
| 5° | 11634.4 | 11714.9 | 11789.9 | 11870.2 | 11972.1 | 12041.8 | 12122.1 | 12191.8 | 12261.5 | 12320.4 | 12363.2 |
| 7.5° | 11656.0 | 11779.1 | 11891.8 | 12031.0 | 12181.0 | 12309.8 | 12443.7 | 12577.6 | 12717.0 | 12824.2 | 12915.3 |
| 10° | 11698.8 | 11848.8 | 11993.5 | 12159.6 | 12352.6 | 12524.0 | 12690.1 | 12867.0 | 13043.9 | 13193.9 | 13328.0 |
| 12.5° | 11773.8 | 11939.9 | 12095.4 | 12277.6 | 12475.9 | 12668.7 | 12850.9 | 13049.2 | 13236.9 | 13403.0 | 13553.0 |
| 15° | 11897.1 | 12052.4 | 12202.6 | 12374.0 | 12572.3 | 12749.2 | 12931.4 | 13124.2 | 13311.9 | 13483.3 | 13622.7 |
| 17.5° | 11977.4 | 12122.1 | 12272.1 | 12427.6 | 12593.7 | 12754.5 | 12925.9 | 13097.5 | 13268.9 | 13424.4 | 13553.0 |
| 20° | 11977.4 | 12116.8 | 12229.3 | 12368.7 | 12524.0 | 12663.4 | 12802.8 | 12952.8 | 13102.8 | 13231.4 | 13354.7 |
| 22.5° | 11881.0 | 12014.9 | 12100.7 | 12207.9 | 12341.8 | 12459.8 | 12534.8 | 12700.9 | 12813.4 | 12925.9 | 13017.0 |
| 25° | 11656.0 | 11752.4 | 11822.1 | 11897.1 | 12004.3 | 12084.6 | 12149.0 | 12245.4 | 12357.9 | 12400.9 | 12465.1 |
| 27.5° | 11248.6 | 11318.3 | 11355.8 | 11371.9 | 11425.5 | 11468.3 | 11479.1 | 11521.9 | 11570.2 | 11580.8 | 11607.7 |
| 30° | 10605.6 | 10610.9 | 10594.8 | 10589.5 | 10562.6 | 10530.6 | 10525.1 | 10519.8 | 10498.4 | 10477.0 | 10482.3 |
| 32.5° | 9635.5 | 9608.8 | 9544.4 | 9474.9 | 9405.2 | 9330.2 | 9287.2 | 9233.6 | 9201.4 | 9169.4 | 9131.9 |
| 35° | 8381.5 | 8317.3 | 8226.2 | 8140.4 | 8060.1 | 8001.0 | 7904.6 | 7872.4 | 7840.4 | 7797.4 | 7786.8 |
| 37.5° | 6907.8 | 6870.3 | 6784.5 | 6720.3 | 6677.5 | 6650.6 | 6602.3 | 6570.3 | 6570.3 | 6554.2 | 6543.4 |
| 40° | 5385.7 | 5375.2 | 5342.9 | 5359.1 | 5337.7 | 5348.2 | 5342.9 | 5332.1 | 5359.1 | 5359.1 | 5369.9 |
| 42.5° | 4040.6 | 4046.1 | 4062.2 | 4072.8 | 4105.0 | 4110.3 | 4137.2 | 4137.2 | 4153.3 | 4169.2 | 4180.0 |
| 45° | 3006.3 | 3027.9 | 3027.9 | 3049.3 | 3081.5 | 3086.8 | 3097.4 | 3102.9 | 3113.5 | 3140.4 | 3151.0 |
| 47.5° | 2256.1 | 2261.4 | 2261.4 | 2266.9 | 2277.5 | 2288.3 | 2283.0 | 2288.3 | 2304.4 | 2293.6 | 2304.4 |
| 50° | 1666.7 | 1672.0 | 1655.9 | 1639.8 | 1655.9 | 1655.9 | 1650.6 | 1634.5 | 1650.6 | 1629.2 | 1639.8 |
| 52.5° | 1136.2 | 1130.7 | 1114.6 | 1120.1 | 1109.3 | 1104.0 | 1104.0 | 1093.2 | 1093.2 | 1093.2 | 1071.8 |
| 55° | 718.2 | 718.2 | 707.4 | 707.4 | 702.1 | 691.3 | 686.0 | 680.5 | 675.2 | 669.9 | 669.9 |
| 57.5° | 401.9 | 407.2 | 391.3 | 385.8 | 391.3 | 385.8 | 375.2 | 375.2 | 375.2 | 359.1 | 369.7 |
| 60° | 219.7 | 214.4 | 209.1 | 203.6 | 198.3 | 203.6 | 203.6 | 193.0 | 193.0 | 193.0 | 198.3 |
| 62.5° | 117.8 | 117.8 | 112.5 | 112.5 | 107.2 | 107.2 | 117.8 | 101.9 | 107.2 | 101.9 | 107.2 |
| 65° | 64.4 | 80.3 | 58.9 | 58.9 | 75.0 | 69.7 | 64.4 | 64.4 | 69.7 | 58.9 | 64.4 |
| 67.5° | 69.7 | 48.3 | 42.8 | 48.3 | 42.8 | 42.8 | 42.8 | 53.6 | 48.3 | 37.5 | 48.3 |
| 70° | 32.2 | 37.5 | 37.5 | 26.7 | 42.8 | 21.4 | 37.5 | 21.4 | 32.2 | 26.7 | 32.2 |
| 72.5° | 32.2 | 32.2 | 32.2 | 21.4 | 32.2 | 21.4 | 26.7 | 26.7 | 21.4 | 21.4 | 32.2 |
| 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° | 10.8 | 10.8 | 5.3 | 5.3 | 5.3 | 5.3 | 10.8 | 10.8 | 10.8 | 0.0 | 5.3 |
| 80° | 10.8 | 10.8 | 0.0 | 5.3 | 0.0 | 0.0 | 5.3 | 0.0 | 5.3 | 0.0 | 10.8 |
| 82.5° | 5.3 | 10.8 | 5.3 | 5.3 | 10.8 | 10.8 | 10.8 | 5.3 | 5.3 | 5.3 | 5.3 |
| 85° | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.0 | 0.0 | 0.0 | 5.3 |
| 87.5° | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 5.3 | 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: P249719

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|---------|---------|---------|---------|
| 0° | 11468.3 | 11468.3 | 11468.3 | 11468.3 |
| 2.5° | 11773.8 | 11779.1 | 11789.9 | 11784.6 |
| 5° | 12395.4 | 12438.4 | 12459.8 | 12454.5 |
| 7.5° | 12979.5 | 13054.7 | 13097.5 | 13097.5 |
| 10° | 13429.7 | 13515.5 | 13579.7 | 13590.5 |
| 12.5° | 13670.8 | 13767.4 | 13853.2 | 13831.6 |
| 15° | 13740.5 | 13837.1 | 13922.7 | 13906.6 |
| 17.5° | 13660.2 | 13756.6 | 13821.0 | 13810.2 |
| 20° | 13440.5 | 13520.8 | 13585.2 | 13579.7 |
| 22.5° | 13097.5 | 13167.2 | 13220.8 | 13215.3 |
| 25° | 12518.7 | 12567.0 | 12609.8 | 12588.4 |
| 27.5° | 11629.1 | 11645.2 | 11671.9 | 11639.9 |
| 30° | 10444.8 | 10455.4 | 10466.2 | 10460.9 |
| 32.5° | 9115.8 | 9110.3 | 9099.7 | 9088.9 |
| 35° | 7770.7 | 7770.7 | 7776.0 | 7743.8 |
| 37.5° | 6548.7 | 6543.4 | 6559.5 | 6543.4 |
| 40° | 5380.4 | 5375.2 | 5396.6 | 5369.9 |
| 42.5° | 4196.1 | 4212.2 | 4217.5 | 4217.5 |
| 45° | 3156.5 | 3161.8 | 3167.1 | 3167.1 |
| 47.5° | 2304.4 | 2309.7 | 2336.6 | 2304.4 |
| 50° | 1629.2 | 1634.5 | 1639.8 | 1629.2 |
| 52.5° | 1077.1 | 1082.6 | 1077.1 | 1061.0 |
| 55° | 659.1 | 664.6 | 664.6 | 664.6 |
| 57.5° | 353.6 | 359.1 | 359.1 | 353.6 |
| 60° | 193.0 | 187.5 | 193.0 | 182.2 |
| 62.5° | 101.9 | 112.5 | 107.2 | 96.4 |
| 65° | 64.4 | 64.4 | 64.4 | 75.0 |
| 67.5° | 53.6 | 42.8 | 48.3 | 37.5 |
| 70° | 32.2 | 37.5 | 37.5 | 26.7 |
| 72.5° | 26.7 | 26.7 | 26.7 | 32.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 10.8 | 10.8 | 10.8 | 5.3 |
| 80° | 5.3 | 0.0 | 5.3 | 0.0 |
| 82.5° | 5.3 | 5.3 | 10.8 | 5.3 |
| 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)