

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: P249278

Luminaire Tested: **LD8B175D010 ER8B175950 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249278
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: LD8B175D010 ER8B175950 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17054.0 lumens
Efficiency: N/A
Efficacy: 96.2 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

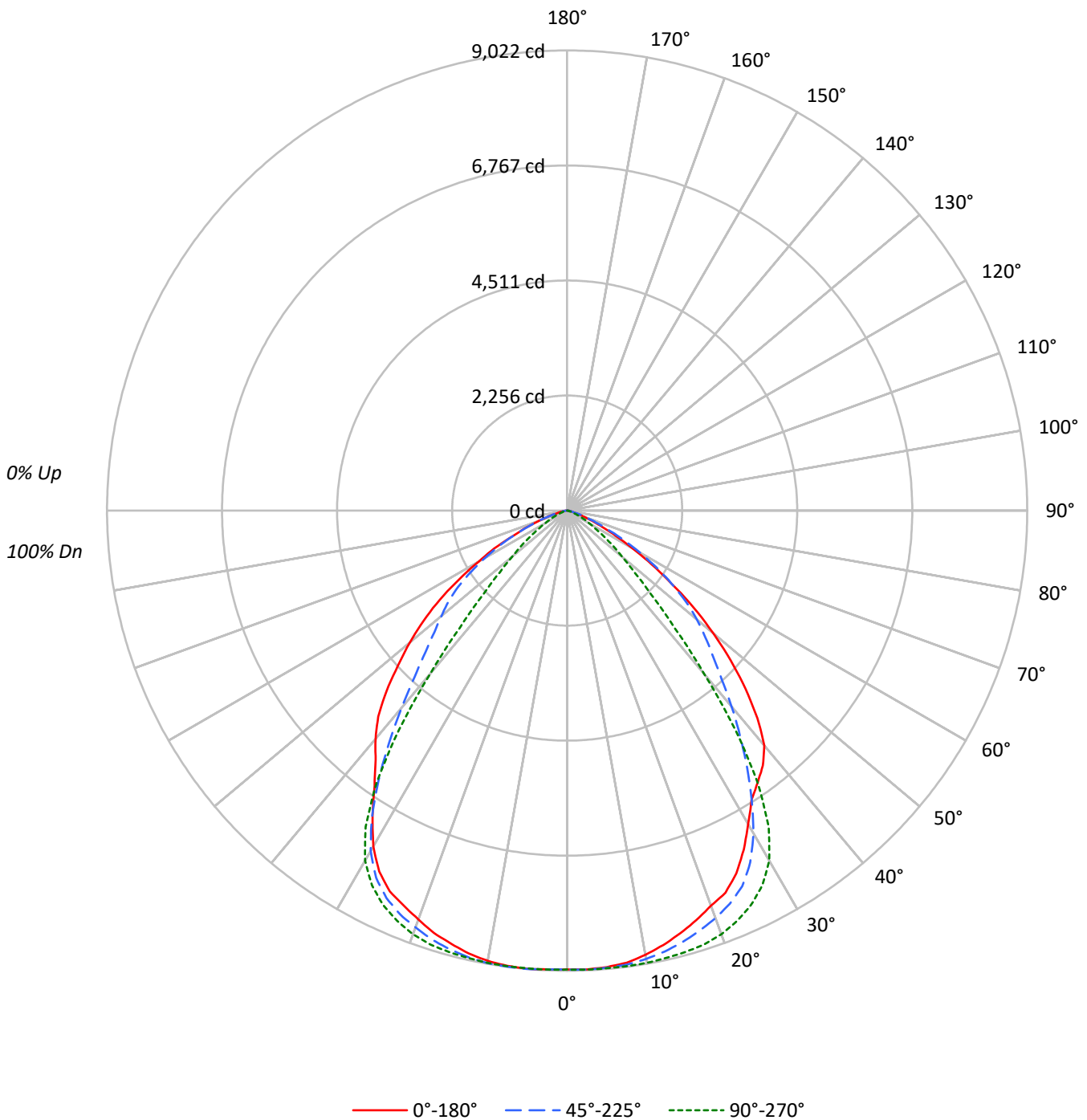
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

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° | 277465 | 277465 | 277465 |
| 5° | 278076 | 278825 | 279126 |
| 10° | 276905 | 281899 | 280687 |
| 15° | 273839 | 286021 | 280626 |
| 20° | 270549 | 290041 | 279902 |
| 25° | 267038 | 290375 | 280185 |
| 30° | 252633 | 282212 | 270689 |
| 35° | 245090 | 245267 | 247819 |
| 40° | 242055 | 168757 | 235252 |
| 45° | 215682 | 101313 | 218630 |
| 50° | 179341 | 67426 | 193239 |
| 55° | 134500 | 46482 | 163843 |
| 60° | 91146 | 30978 | 123617 |
| 65° | 54979 | 20095 | 84924 |
| 70° | 30483 | 10891 | 52256 |
| 75° | 13809 | 4599 | 27045 |
| 80° | 12004 | 5150 | 18859 |
| 85° | 13657 | 6828 | 18823 |



TEST NUMBER: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 858.7 | 5.0 |
| 10°-20° | 2493.9 | 14.6 |
| 20°-30° | 3785.2 | 22.2 |
| 30°-40° | 3975.6 | 23.3 |
| 40°-50° | 2980.7 | 17.5 |
| 50°-60° | 1912.5 | 11.2 |
| 60°-70° | 818.1 | 4.8 |
| 70°-80° | 193.3 | 1.1 |
| 80°-90° | 36.0 | 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° | 7137.9 | 41.9 |
| 0°-40° | 11113.5 | 65.2 |
| 0°-60° | 16006.6 | 93.9 |
| 0°-90° | 17054.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 17054.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 8998 | 8998 | 8998 | 8998 | 8998 | |
| 5° | 8984 | 8998 | 9008 | 9022 | 9017 | 853 |
| 15° | 8578 | 8757 | 8959 | 8902 | 8790 | 2419 |
| 25° | 7848 | 8124 | 8534 | 8380 | 8235 | 3586 |
| 35° | 6511 | 6148 | 6515 | 6438 | 6583 | 4086 |
| 45° | 4946 | 4042 | 2323 | 3927 | 5013 | 3788 |
| 55° | 2502 | 2502 | 865 | 2608 | 3048 | 2269 |
| 65° | 754 | 889 | 275 | 1145 | 1164 | 804 |
| 75° | 116 | 135 | 39 | 232 | 227 | 169 |
| 85° | 39 | 24 | 19 | 39 | 53 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 |
| 2.5° | 9002.9 | 9012.6 | 9007.7 | 9007.7 | 9002.9 | 9007.7 | 9007.7 | 9017.4 | 9017.4 | 9007.7 | 9002.9 |
| 5° | 8983.5 | 8993.2 | 8993.2 | 8983.5 | 8983.5 | 9007.7 | 8993.2 | 9002.9 | 9002.9 | 8998.0 | 8998.0 |
| 7.5° | 8940.1 | 8940.1 | 8959.4 | 8945.0 | 8945.0 | 8959.4 | 8954.5 | 8964.2 | 8973.9 | 8978.8 | 8978.8 |
| 10° | 8843.4 | 8853.1 | 8858.0 | 8858.0 | 8862.8 | 8877.2 | 8886.9 | 8906.3 | 8915.9 | 8925.6 | 8930.4 |
| 12.5° | 8722.8 | 8737.2 | 8742.1 | 8737.2 | 8751.7 | 8771.0 | 8795.2 | 8819.3 | 8833.9 | 8853.1 | 8867.7 |
| 15° | 8577.8 | 8577.8 | 8587.5 | 8602.0 | 8611.7 | 8640.7 | 8664.8 | 8693.7 | 8732.4 | 8756.6 | 8780.7 |
| 17.5° | 8418.5 | 8428.2 | 8442.6 | 8442.6 | 8462.0 | 8510.2 | 8524.7 | 8568.2 | 8611.7 | 8635.8 | 8684.1 |
| 20° | 8244.6 | 8254.2 | 8268.7 | 8278.4 | 8302.5 | 8341.2 | 8370.1 | 8408.8 | 8457.1 | 8500.6 | 8548.8 |
| 22.5° | 8109.3 | 8090.1 | 8099.6 | 8109.3 | 8133.5 | 8167.3 | 8201.1 | 8249.4 | 8297.7 | 8341.2 | 8389.5 |
| 25° | 7848.5 | 7853.3 | 7867.9 | 7877.5 | 7906.5 | 7935.5 | 7974.1 | 8032.0 | 8075.5 | 8123.9 | 8176.9 |
| 27.5° | 7496.0 | 7500.8 | 7524.9 | 7524.9 | 7549.0 | 7597.4 | 7621.5 | 7669.8 | 7727.8 | 7776.1 | 7838.9 |
| 30° | 7095.1 | 7104.7 | 7104.7 | 7124.1 | 7138.5 | 7162.7 | 7186.8 | 7235.1 | 7264.1 | 7307.6 | 7394.6 |
| 32.5° | 6728.0 | 6737.6 | 6732.8 | 6728.0 | 6713.5 | 6708.7 | 6703.8 | 6713.5 | 6723.2 | 6737.6 | 6771.4 |
| 35° | 6510.7 | 6486.5 | 6467.2 | 6433.4 | 6394.8 | 6346.4 | 6303.0 | 6245.0 | 6191.9 | 6148.4 | 6100.2 |
| 37.5° | 6303.0 | 6298.1 | 6269.2 | 6220.8 | 6143.5 | 6056.7 | 5955.3 | 5829.6 | 5704.0 | 5568.8 | 5438.5 |
| 40° | 6013.2 | 5998.6 | 5974.5 | 5906.9 | 5820.0 | 5713.7 | 5578.5 | 5423.9 | 5221.0 | 5013.4 | 4800.9 |
| 42.5° | 5520.5 | 5525.3 | 5496.4 | 5443.2 | 5361.2 | 5259.7 | 5119.6 | 4950.6 | 4733.3 | 4486.9 | 4211.7 |
| 45° | 4945.8 | 4945.8 | 4936.1 | 4892.6 | 4834.7 | 4752.6 | 4646.3 | 4506.3 | 4293.8 | 4042.5 | 3747.9 |
| 47.5° | 4346.9 | 4351.7 | 4337.2 | 4327.6 | 4303.4 | 4250.3 | 4173.0 | 4066.8 | 3917.0 | 3675.5 | 3380.9 |
| 50° | 3738.4 | 3738.4 | 3762.5 | 3757.6 | 3757.6 | 3738.4 | 3704.6 | 3641.7 | 3511.3 | 3318.1 | 3042.9 |
| 52.5° | 3129.7 | 3139.4 | 3154.0 | 3173.2 | 3197.3 | 3236.0 | 3197.3 | 3168.4 | 3086.2 | 2936.5 | 2699.9 |
| 55° | 2501.8 | 2511.5 | 2535.6 | 2569.4 | 2598.5 | 2637.2 | 2646.7 | 2646.7 | 2603.2 | 2501.8 | 2323.2 |
| 57.5° | 1965.8 | 1951.3 | 1970.6 | 1999.6 | 2038.2 | 2076.9 | 2105.8 | 2139.6 | 2134.8 | 2067.2 | 1922.3 |
| 60° | 1477.9 | 1482.8 | 1497.2 | 1526.3 | 1555.2 | 1589.0 | 1627.7 | 1656.6 | 1671.2 | 1637.4 | 1545.5 |
| 62.5° | 1077.1 | 1077.1 | 1096.3 | 1125.3 | 1139.8 | 1188.2 | 1212.3 | 1226.8 | 1241.2 | 1236.4 | 1178.5 |
| 65° | 753.5 | 763.1 | 772.8 | 787.3 | 801.7 | 830.7 | 845.2 | 874.2 | 883.9 | 888.7 | 845.2 |
| 67.5° | 531.3 | 516.8 | 526.5 | 536.1 | 550.6 | 570.0 | 598.9 | 598.9 | 613.4 | 613.4 | 584.4 |
| 70° | 338.1 | 338.1 | 343.0 | 357.4 | 367.1 | 371.9 | 381.6 | 391.2 | 405.7 | 400.9 | 400.9 |
| 72.5° | 227.0 | 222.2 | 227.0 | 231.9 | 236.7 | 251.1 | 251.1 | 256.0 | 265.7 | 270.5 | 251.1 |
| 75° | 115.9 | 120.8 | 130.4 | 125.6 | 140.0 | 130.4 | 135.2 | 149.7 | 144.9 | 135.2 | 135.2 |
| 77.5° | 96.6 | 96.6 | 96.6 | 91.8 | 101.4 | 101.4 | 96.6 | 106.2 | 101.4 | 101.4 | 96.6 |
| 80° | 67.6 | 72.4 | 67.6 | 62.8 | 67.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 57.9 |
| 82.5° | 53.2 | 43.5 | 48.3 | 43.5 | 48.3 | 48.3 | 43.5 | 38.6 | 38.6 | 43.5 | 38.6 |
| 85° | 38.6 | 29.0 | 33.8 | 33.8 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 24.1 | 24.1 |
| 87.5° | 24.1 | 14.5 | 14.5 | 14.5 | 19.3 | 19.3 | 19.3 | 14.5 | 19.3 | 19.3 | 9.7 |
| 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: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 |
| 2.5° | 9012.6 | 9007.7 | 9017.4 | 9012.6 | 9012.6 | 9007.7 | 9012.6 | 9007.7 | 9017.4 | 8998.0 | 9002.9 |
| 5° | 9012.6 | 9002.9 | 9007.7 | 9012.6 | 9017.4 | 9007.7 | 9007.7 | 9007.7 | 9017.4 | 9007.7 | 9012.6 |
| 7.5° | 8993.2 | 8988.3 | 9002.9 | 9012.6 | 9007.7 | 9002.9 | 9012.6 | 9007.7 | 9017.4 | 9012.6 | 9022.1 |
| 10° | 8954.5 | 8959.4 | 8969.1 | 8983.5 | 8988.3 | 8993.2 | 9002.9 | 9002.9 | 9017.4 | 8998.0 | 9007.7 |
| 12.5° | 8896.6 | 8915.9 | 8940.1 | 8949.7 | 8969.1 | 8969.1 | 8978.8 | 8983.5 | 8993.2 | 8988.3 | 9002.9 |
| 15° | 8824.2 | 8848.3 | 8877.2 | 8901.5 | 8925.6 | 8940.1 | 8954.5 | 8959.4 | 8973.9 | 8959.4 | 8964.2 |
| 17.5° | 8737.2 | 8766.2 | 8809.6 | 8838.6 | 8877.2 | 8891.8 | 8911.0 | 8920.7 | 8935.3 | 8925.6 | 8930.4 |
| 20° | 8616.4 | 8650.3 | 8698.6 | 8742.1 | 8766.2 | 8800.0 | 8824.2 | 8838.6 | 8848.3 | 8838.6 | 8843.4 |
| 22.5° | 8447.4 | 8495.8 | 8558.5 | 8592.3 | 8640.7 | 8669.6 | 8674.5 | 8708.3 | 8732.4 | 8708.3 | 8717.9 |
| 25° | 8249.4 | 8297.7 | 8346.0 | 8418.5 | 8462.0 | 8495.8 | 8529.6 | 8534.4 | 8558.5 | 8553.7 | 8548.8 |
| 27.5° | 7920.9 | 7983.8 | 8065.8 | 8123.9 | 8181.8 | 8234.9 | 8273.6 | 8283.2 | 8307.4 | 8297.7 | 8302.5 |
| 30° | 7471.7 | 7539.5 | 7616.7 | 7708.5 | 7790.6 | 7843.7 | 7892.0 | 7925.8 | 7949.9 | 7935.5 | 7930.6 |
| 32.5° | 6834.3 | 6901.9 | 6984.0 | 7075.7 | 7172.4 | 7249.6 | 7307.6 | 7351.1 | 7380.0 | 7370.3 | 7346.2 |
| 35° | 6105.0 | 6124.3 | 6177.4 | 6249.9 | 6331.9 | 6414.0 | 6467.2 | 6515.4 | 6549.2 | 6558.9 | 6558.9 |
| 37.5° | 5356.3 | 5293.6 | 5254.9 | 5254.9 | 5303.2 | 5337.0 | 5385.3 | 5414.3 | 5467.4 | 5486.7 | 5501.2 |
| 40° | 4631.8 | 4486.9 | 4351.7 | 4250.3 | 4182.7 | 4177.9 | 4177.9 | 4192.3 | 4240.6 | 4303.4 | 4361.4 |
| 42.5° | 3984.6 | 3752.8 | 3545.1 | 3356.8 | 3221.6 | 3144.3 | 3110.5 | 3115.3 | 3154.0 | 3211.9 | 3308.4 |
| 45° | 3467.8 | 3178.1 | 2917.2 | 2690.2 | 2506.7 | 2385.9 | 2328.0 | 2323.2 | 2352.1 | 2419.7 | 2526.1 |
| 47.5° | 3067.0 | 2757.8 | 2463.2 | 2202.4 | 2004.4 | 1874.0 | 1806.4 | 1787.1 | 1806.4 | 1869.1 | 1994.7 |
| 50° | 2733.7 | 2415.0 | 2110.7 | 1840.2 | 1627.7 | 1492.5 | 1429.6 | 1405.5 | 1429.6 | 1482.8 | 1608.3 |
| 52.5° | 2424.6 | 2096.1 | 1811.2 | 1550.4 | 1323.4 | 1207.4 | 1139.8 | 1125.3 | 1139.8 | 1202.6 | 1304.1 |
| 55° | 2067.2 | 1787.1 | 1506.9 | 1246.1 | 1048.1 | 932.2 | 879.0 | 864.6 | 879.0 | 937.0 | 1043.3 |
| 57.5° | 1714.7 | 1473.1 | 1226.8 | 990.1 | 821.1 | 719.6 | 671.4 | 652.0 | 685.8 | 724.4 | 850.1 |
| 60° | 1386.1 | 1193.0 | 985.3 | 777.6 | 637.6 | 545.8 | 507.1 | 502.3 | 512.0 | 560.3 | 647.2 |
| 62.5° | 1086.8 | 927.3 | 763.1 | 594.1 | 478.2 | 439.5 | 391.2 | 386.4 | 396.0 | 425.0 | 492.7 |
| 65° | 782.5 | 681.1 | 555.4 | 434.7 | 343.0 | 289.8 | 270.5 | 275.4 | 284.9 | 304.3 | 367.1 |
| 67.5° | 545.8 | 473.3 | 386.4 | 304.3 | 236.7 | 212.5 | 193.2 | 188.4 | 193.2 | 227.0 | 260.8 |
| 70° | 367.1 | 323.6 | 260.8 | 231.9 | 164.3 | 130.4 | 135.2 | 120.8 | 140.0 | 140.0 | 169.0 |
| 72.5° | 241.4 | 212.5 | 173.8 | 135.2 | 115.9 | 91.8 | 91.8 | 87.0 | 96.6 | 101.4 | 125.6 |
| 75° | 125.6 | 96.6 | 96.6 | 67.6 | 48.3 | 24.1 | 43.5 | 38.6 | 33.8 | 38.6 | 48.3 |
| 77.5° | 87.0 | 72.4 | 67.6 | 53.2 | 48.3 | 38.6 | 38.6 | 38.6 | 38.6 | 43.5 | 48.3 |
| 80° | 53.2 | 53.2 | 38.6 | 33.8 | 29.0 | 24.1 | 29.0 | 29.0 | 29.0 | 29.0 | 33.8 |
| 82.5° | 33.8 | 29.0 | 29.0 | 24.1 | 24.1 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 29.0 |
| 85° | 29.0 | 19.3 | 19.3 | 14.5 | 19.3 | 33.8 | 14.5 | 19.3 | 19.3 | 19.3 | 14.5 |
| 87.5° | 9.7 | 14.5 | 14.5 | 14.5 | 9.7 | 4.8 | 9.7 | 14.5 | 14.5 | 24.1 | 19.3 |
| 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: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 | 8998.0 |
| 2.5° | 9012.6 | 9017.4 | 9017.4 | 9012.6 | 9012.6 | 9002.9 | 9022.1 | 9007.7 | 9012.6 | 9031.8 | 9017.4 |
| 5° | 9022.1 | 9027.0 | 9027.0 | 9022.1 | 9022.1 | 9022.1 | 9027.0 | 9027.0 | 9022.1 | 9017.4 | 9027.0 |
| 7.5° | 9041.5 | 9036.7 | 9036.7 | 9027.0 | 9027.0 | 9017.4 | 9027.0 | 9012.6 | 9022.1 | 9012.6 | 9027.0 |
| 10° | 9017.4 | 9022.1 | 9017.4 | 9012.6 | 9012.6 | 9007.7 | 9007.7 | 8993.2 | 8998.0 | 8983.5 | 8993.2 |
| 12.5° | 9002.9 | 8998.0 | 8998.0 | 8988.3 | 8978.8 | 8969.1 | 8964.2 | 8949.7 | 8949.7 | 8915.9 | 8930.4 |
| 15° | 8964.2 | 8969.1 | 8954.5 | 8935.3 | 8925.6 | 8901.5 | 8891.8 | 8872.4 | 8853.1 | 8829.0 | 8833.9 |
| 17.5° | 8930.4 | 8915.9 | 8896.6 | 8877.2 | 8838.6 | 8819.3 | 8800.0 | 8771.0 | 8761.3 | 8732.4 | 8722.8 |
| 20° | 8829.0 | 8819.3 | 8795.2 | 8761.3 | 8737.2 | 8693.7 | 8674.5 | 8645.5 | 8621.3 | 8592.3 | 8577.8 |
| 22.5° | 8698.6 | 8688.9 | 8659.9 | 8626.1 | 8587.5 | 8568.2 | 8548.8 | 8495.8 | 8471.5 | 8442.6 | 8437.7 |
| 25° | 8534.4 | 8519.9 | 8490.9 | 8452.3 | 8432.9 | 8379.8 | 8360.5 | 8321.8 | 8312.2 | 8283.2 | 8278.4 |
| 27.5° | 8283.2 | 8263.9 | 8230.1 | 8181.8 | 8148.0 | 8114.2 | 8094.9 | 8065.8 | 8056.3 | 8027.2 | 8022.5 |
| 30° | 7906.5 | 7882.3 | 7814.7 | 7795.4 | 7737.4 | 7703.6 | 7703.6 | 7665.0 | 7669.8 | 7650.5 | 7650.5 |
| 32.5° | 7312.4 | 7273.8 | 7220.6 | 7182.0 | 7143.3 | 7124.1 | 7124.1 | 7109.5 | 7119.2 | 7119.2 | 7128.9 |
| 35° | 6525.1 | 6472.1 | 6443.0 | 6418.9 | 6418.9 | 6438.2 | 6496.2 | 6510.7 | 6539.7 | 6563.8 | 6583.2 |
| 37.5° | 5515.6 | 5510.9 | 5544.7 | 5573.7 | 5646.1 | 5728.2 | 5829.6 | 5916.6 | 5998.6 | 6056.7 | 6114.6 |
| 40° | 4424.1 | 4544.9 | 4641.5 | 4776.8 | 4887.8 | 5047.2 | 5230.7 | 5380.5 | 5520.5 | 5622.0 | 5728.2 |
| 42.5° | 3453.3 | 3607.9 | 3810.8 | 4008.7 | 4206.8 | 4424.1 | 4665.7 | 4873.3 | 5056.9 | 5196.9 | 5308.0 |
| 45° | 2690.2 | 2902.7 | 3149.1 | 3400.2 | 3656.2 | 3926.7 | 4177.9 | 4390.3 | 4583.6 | 4728.5 | 4839.5 |
| 47.5° | 2168.6 | 2400.5 | 2680.5 | 2955.9 | 3245.7 | 3530.6 | 3810.8 | 3994.3 | 4153.6 | 4269.6 | 4371.1 |
| 50° | 1791.8 | 2038.2 | 2332.9 | 2646.7 | 2936.5 | 3221.6 | 3463.0 | 3641.7 | 3772.2 | 3873.6 | 3936.3 |
| 52.5° | 1497.2 | 1758.0 | 2072.0 | 2385.9 | 2675.7 | 2936.5 | 3154.0 | 3289.2 | 3395.4 | 3467.8 | 3525.8 |
| 55° | 1236.4 | 1487.6 | 1782.3 | 2076.9 | 2361.8 | 2608.1 | 2786.8 | 2888.3 | 2970.3 | 3013.8 | 3047.6 |
| 57.5° | 1009.5 | 1241.2 | 1511.7 | 1782.3 | 2028.5 | 2231.5 | 2371.5 | 2472.9 | 2511.5 | 2545.3 | 2540.5 |
| 60° | 792.2 | 1009.5 | 1255.8 | 1487.6 | 1700.1 | 1864.3 | 1965.8 | 2023.7 | 2052.7 | 2067.2 | 2057.5 |
| 62.5° | 623.0 | 821.1 | 1009.5 | 1212.3 | 1366.9 | 1506.9 | 1603.6 | 1603.6 | 1618.0 | 1622.8 | 1637.4 |
| 65° | 463.6 | 613.4 | 777.6 | 927.3 | 1052.9 | 1144.7 | 1197.9 | 1212.3 | 1231.7 | 1226.8 | 1217.1 |
| 67.5° | 343.0 | 454.0 | 574.7 | 685.8 | 772.8 | 830.7 | 869.3 | 903.2 | 898.4 | 888.7 | 883.9 |
| 70° | 236.7 | 309.2 | 415.4 | 483.0 | 545.8 | 603.8 | 613.4 | 618.2 | 623.0 | 627.9 | 618.2 |
| 72.5° | 164.3 | 217.3 | 275.4 | 333.3 | 371.9 | 396.0 | 420.2 | 425.0 | 425.0 | 425.0 | 420.2 |
| 75° | 82.1 | 111.1 | 164.3 | 188.4 | 222.2 | 231.9 | 251.1 | 251.1 | 265.7 | 246.3 | 241.4 |
| 77.5° | 72.4 | 87.0 | 115.9 | 135.2 | 149.7 | 164.3 | 169.0 | 183.5 | 178.7 | 169.0 | 173.8 |
| 80° | 43.5 | 53.2 | 72.4 | 82.1 | 101.4 | 106.2 | 111.1 | 115.9 | 111.1 | 115.9 | 115.9 |
| 82.5° | 33.8 | 38.6 | 48.3 | 48.3 | 62.8 | 62.8 | 67.6 | 67.6 | 72.4 | 72.4 | 72.4 |
| 85° | 19.3 | 33.8 | 29.0 | 57.9 | 38.6 | 38.6 | 48.3 | 57.9 | 48.3 | 48.3 | 57.9 |
| 87.5° | 19.3 | 19.3 | 14.5 | 19.3 | 19.3 | 19.3 | 24.1 | 29.0 | 29.0 | 33.8 | 29.0 |
| 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: P249278

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 8998.0 | 8998.0 | 8998.0 | 8998.0 |
| 2.5° | 9012.6 | 9022.1 | 9007.7 | 9002.9 |
| 5° | 9027.0 | 9027.0 | 9017.4 | 9017.4 |
| 7.5° | 9027.0 | 9027.0 | 9012.6 | 9002.9 |
| 10° | 8988.3 | 8988.3 | 8973.9 | 8964.2 |
| 12.5° | 8915.9 | 8915.9 | 8911.0 | 8896.6 |
| 15° | 8824.2 | 8824.2 | 8804.8 | 8790.4 |
| 17.5° | 8698.6 | 8708.3 | 8684.1 | 8684.1 |
| 20° | 8563.4 | 8558.5 | 8539.3 | 8529.6 |
| 22.5° | 8423.3 | 8413.6 | 8408.8 | 8379.8 |
| 25° | 8273.6 | 8263.9 | 8249.4 | 8234.9 |
| 27.5° | 8017.6 | 8012.8 | 7998.2 | 7979.0 |
| 30° | 7626.3 | 7621.5 | 7602.2 | 7602.2 |
| 32.5° | 7119.2 | 7114.4 | 7095.1 | 7100.0 |
| 35° | 6592.7 | 6612.1 | 6602.4 | 6583.2 |
| 37.5° | 6153.2 | 6167.8 | 6177.4 | 6167.8 |
| 40° | 5786.2 | 5829.6 | 5834.5 | 5844.2 |
| 42.5° | 5395.0 | 5452.9 | 5472.3 | 5481.9 |
| 45° | 4926.4 | 4979.6 | 5023.1 | 5013.4 |
| 47.5° | 4448.3 | 4486.9 | 4525.5 | 4496.6 |
| 50° | 3989.5 | 4013.6 | 4028.1 | 4028.1 |
| 52.5° | 3554.8 | 3554.8 | 3550.0 | 3554.8 |
| 55° | 3057.3 | 3057.3 | 3038.0 | 3047.6 |
| 57.5° | 2535.6 | 2545.3 | 2530.8 | 2506.7 |
| 60° | 2052.7 | 2028.5 | 2018.9 | 2004.4 |
| 62.5° | 1598.7 | 1598.7 | 1564.9 | 1608.3 |
| 65° | 1197.9 | 1183.3 | 1168.8 | 1163.9 |
| 67.5° | 869.3 | 864.6 | 850.1 | 845.2 |
| 70° | 613.4 | 594.1 | 589.2 | 579.6 |
| 72.5° | 410.6 | 410.6 | 400.9 | 400.9 |
| 75° | 251.1 | 227.0 | 222.2 | 227.0 |
| 77.5° | 173.8 | 169.0 | 169.0 | 164.3 |
| 80° | 115.9 | 111.1 | 120.8 | 106.2 |
| 82.5° | 72.4 | 77.3 | 72.4 | 77.3 |
| 85° | 48.3 | 57.9 | 53.2 | 53.2 |
| 87.5° | 29.0 | 29.0 | 29.0 | 29.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)