

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: P250287

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250287
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: LD8B200D010 ER8B2009730 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16241.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

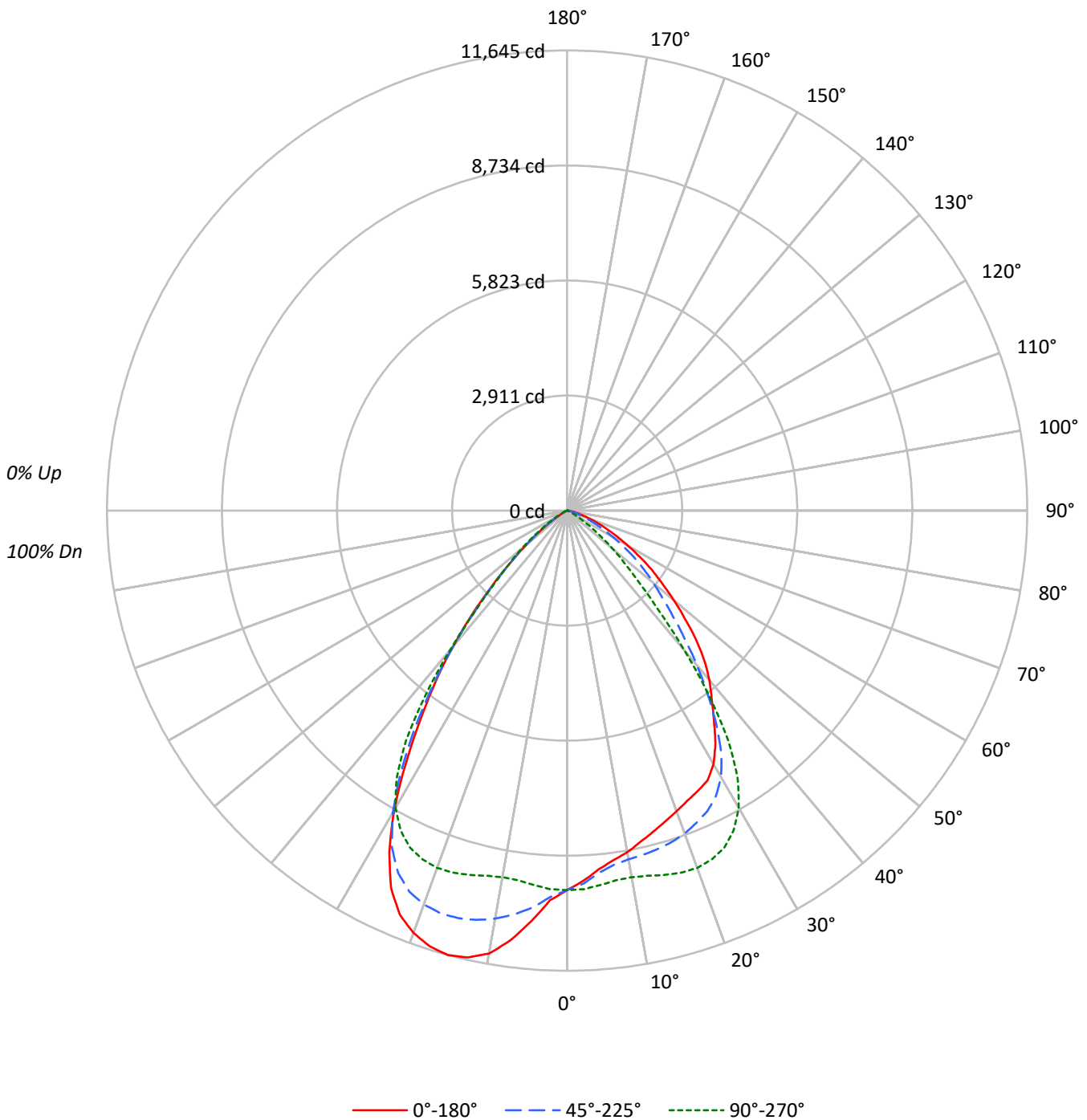
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 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 | 0 | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | | | |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 96 | 95 | 94 | 93 | 91 | 91 | 91 | 91 | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 83 | 82 | 82 | 82 | 82 | | | |
| 3 | 98 | 90 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | 73 | 73 | 73 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 70 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | 66 | 66 | 66 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | 60 | 60 | 60 | | | |
| 6 | 80 | 70 | 63 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 64 | 60 | 56 | 54 | 54 | 54 | 54 | | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | 49 | 49 | 49 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | 45 | 45 | 45 | | | |
| 9 | 67 | 55 | 48 | 44 | 66 | 55 | 48 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 42 | 42 | 42 | 42 | | | |
| 10 | 63 | 52 | 45 | 40 | 62 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 49 | 43 | 40 | 38 | 38 | 38 | 38 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--|-----|------|
| 0° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



TEST NUMBER: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 923.2 | 5.7 |
| 10°-20° | 2763.1 | 17.0 |
| 20°-30° | 4231.3 | 26.1 |
| 30°-40° | 4148.1 | 25.5 |
| 40°-50° | 2498.0 | 15.4 |
| 50°-60° | 1149.7 | 7.1 |
| 60°-70° | 403.9 | 2.5 |
| 70°-80° | 105.7 | 0.7 |
| 80°-90° | 18.0 | 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° | 7917.6 | 48.8 |
| 0°-40° | 12065.7 | 74.3 |
| 0°-60° | 15713.5 | 96.8 |
| 0°-90° | 16241.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 16241.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|-------|-------|------|
| 0° | 9603 | 9603 | 9603 | 9603 | 9603 | |
| 5° | 9114 | 9200 | 9514 | 10084 | 10429 | 861 |
| 15° | 8414 | 8867 | 9545 | 10676 | 11645 | 2377 |
| 25° | 7826 | 8392 | 9410 | 10119 | 10541 | 3605 |
| 35° | 6476 | 6565 | 7108 | 6700 | 6484 | 4056 |
| 45° | 4600 | 3788 | 2567 | 2585 | 2652 | 3527 |
| 55° | 2612 | 2069 | 736 | 579 | 556 | 2330 |
| 65° | 1108 | 767 | 117 | 58 | 63 | 1129 |
| 75° | 287 | 166 | 9 | 0 | 0 | 348 |
| 85° | 45 | 22 | 4 | 0 | 0 | 62 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 |
| 2.5° | 9378.9 | 9388.0 | 9388.0 | 9388.0 | 9405.9 | 9410.5 | 9405.9 | 9410.5 | 9419.4 | 9450.8 | 9464.2 |
| 5° | 9114.2 | 9100.7 | 9109.8 | 9105.2 | 9127.7 | 9141.2 | 9132.1 | 9145.6 | 9177.0 | 9199.6 | 9221.9 |
| 7.5° | 8925.8 | 8925.8 | 8925.8 | 8934.7 | 8948.2 | 8975.1 | 8970.7 | 8979.6 | 9011.0 | 9042.4 | 9073.8 |
| 10° | 8777.7 | 8773.2 | 8773.2 | 8795.6 | 8813.5 | 8844.9 | 8854.0 | 8880.9 | 8921.2 | 8961.6 | 8997.5 |
| 12.5° | 8584.7 | 8589.3 | 8611.6 | 8634.2 | 8674.4 | 8723.7 | 8750.7 | 8786.7 | 8849.5 | 8916.8 | 8957.2 |
| 15° | 8414.2 | 8418.6 | 8436.7 | 8481.4 | 8530.9 | 8589.3 | 8647.5 | 8705.8 | 8782.1 | 8867.4 | 8939.3 |
| 17.5° | 8248.1 | 8252.5 | 8266.0 | 8315.5 | 8378.3 | 8454.6 | 8521.9 | 8598.1 | 8697.0 | 8795.6 | 8885.4 |
| 20° | 8095.5 | 8091.1 | 8113.5 | 8158.3 | 8239.2 | 8310.9 | 8378.3 | 8468.1 | 8575.8 | 8697.0 | 8800.0 |
| 22.5° | 7947.4 | 7947.4 | 7969.9 | 8014.8 | 8086.7 | 8158.3 | 8230.2 | 8324.4 | 8432.1 | 8548.8 | 8670.0 |
| 25° | 7826.2 | 7821.8 | 7853.2 | 7875.7 | 7929.5 | 8001.3 | 8077.6 | 8153.9 | 8261.6 | 8391.8 | 8508.4 |
| 27.5° | 7696.2 | 7691.8 | 7696.2 | 7723.2 | 7772.5 | 7826.2 | 7884.6 | 7952.0 | 8041.8 | 8149.5 | 8261.6 |
| 30° | 7409.0 | 7413.4 | 7413.4 | 7435.9 | 7462.9 | 7521.1 | 7552.5 | 7619.9 | 7700.6 | 7790.4 | 7889.2 |
| 32.5° | 6982.7 | 6987.1 | 6987.1 | 6996.1 | 7018.5 | 7045.5 | 7072.4 | 7121.7 | 7184.5 | 7260.8 | 7350.6 |
| 35° | 6475.6 | 6475.6 | 6471.0 | 6475.6 | 6489.1 | 6489.1 | 6511.5 | 6489.1 | 6520.5 | 6565.4 | 6632.6 |
| 37.5° | 6008.9 | 5999.8 | 5990.9 | 5981.9 | 5968.4 | 5946.0 | 5914.6 | 5860.7 | 5847.2 | 5829.3 | 5833.7 |
| 40° | 5596.0 | 5591.6 | 5564.6 | 5542.1 | 5497.2 | 5443.4 | 5367.2 | 5273.0 | 5196.7 | 5106.9 | 5030.6 |
| 42.5° | 5138.3 | 5133.7 | 5111.3 | 5070.9 | 5021.6 | 4940.8 | 4819.7 | 4694.1 | 4541.5 | 4406.8 | 4267.8 |
| 45° | 4599.7 | 4613.2 | 4581.8 | 4536.9 | 4478.5 | 4402.2 | 4267.8 | 4115.0 | 3962.4 | 3787.5 | 3612.4 |
| 47.5° | 4038.7 | 4034.3 | 4011.9 | 3985.0 | 3935.6 | 3859.4 | 3769.6 | 3603.5 | 3441.9 | 3280.5 | 3100.9 |
| 50° | 3518.2 | 3500.3 | 3491.2 | 3464.4 | 3433.0 | 3370.2 | 3275.9 | 3141.2 | 2997.7 | 2845.1 | 2679.1 |
| 52.5° | 3024.7 | 3024.7 | 3002.1 | 2984.2 | 2957.2 | 2907.9 | 2827.2 | 2719.5 | 2598.3 | 2454.6 | 2279.7 |
| 55° | 2611.8 | 2602.8 | 2580.4 | 2557.9 | 2530.9 | 2499.5 | 2427.8 | 2338.1 | 2207.9 | 2068.8 | 1916.2 |
| 57.5° | 2172.0 | 2167.4 | 2158.5 | 2131.6 | 2118.1 | 2086.7 | 2006.0 | 1916.2 | 1804.1 | 1682.9 | 1557.1 |
| 60° | 1777.1 | 1759.2 | 1741.1 | 1723.2 | 1700.8 | 1669.4 | 1615.5 | 1539.2 | 1445.0 | 1337.3 | 1211.7 |
| 62.5° | 1422.6 | 1449.4 | 1395.7 | 1395.7 | 1350.8 | 1323.8 | 1274.5 | 1229.6 | 1130.8 | 1032.2 | 924.5 |
| 65° | 1108.5 | 1108.5 | 1085.9 | 1068.0 | 1041.0 | 1009.6 | 960.3 | 915.4 | 843.6 | 767.3 | 691.0 |
| 67.5° | 848.2 | 843.6 | 821.2 | 803.3 | 780.8 | 762.9 | 727.0 | 673.1 | 619.3 | 556.5 | 493.5 |
| 70° | 623.8 | 619.3 | 614.7 | 583.3 | 565.4 | 543.1 | 516.1 | 480.3 | 439.8 | 394.9 | 336.5 |
| 72.5° | 448.7 | 448.7 | 435.4 | 421.9 | 404.0 | 385.9 | 359.1 | 336.5 | 300.7 | 269.3 | 228.9 |
| 75° | 287.2 | 282.8 | 282.8 | 260.3 | 260.3 | 233.3 | 215.4 | 201.9 | 184.0 | 166.1 | 130.2 |
| 77.5° | 206.5 | 201.9 | 197.5 | 188.4 | 179.5 | 170.5 | 157.0 | 139.1 | 125.6 | 107.7 | 94.2 |
| 80° | 139.1 | 130.2 | 125.6 | 125.6 | 112.1 | 107.7 | 112.1 | 85.3 | 80.7 | 67.2 | 58.4 |
| 82.5° | 85.3 | 85.3 | 80.7 | 80.7 | 76.3 | 71.9 | 58.4 | 58.4 | 53.9 | 49.3 | 40.5 |
| 85° | 44.9 | 58.4 | 40.5 | 44.9 | 40.5 | 44.9 | 40.5 | 31.4 | 27.0 | 22.4 | 22.4 |
| 87.5° | 27.0 | 17.9 | 17.9 | 27.0 | 22.4 | 17.9 | 17.9 | 17.9 | 13.5 | 9.1 | 9.1 |
| 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: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 |
| 2.5° | 9455.4 | 9486.8 | 9482.2 | 9522.6 | 9536.1 | 9567.5 | 9567.5 | 9589.9 | 9603.3 | 9634.7 | 9661.7 |
| 5° | 9231.0 | 9280.3 | 9293.8 | 9343.1 | 9383.5 | 9432.8 | 9464.2 | 9513.6 | 9558.5 | 9625.9 | 9688.7 |
| 7.5° | 9091.9 | 9132.1 | 9159.1 | 9217.5 | 9262.4 | 9316.1 | 9370.0 | 9437.3 | 9500.1 | 9581.0 | 9670.8 |
| 10° | 9024.5 | 9078.4 | 9118.7 | 9177.0 | 9231.0 | 9289.3 | 9343.1 | 9419.4 | 9491.2 | 9594.5 | 9693.1 |
| 12.5° | 9006.5 | 9069.3 | 9118.7 | 9199.6 | 9253.3 | 9316.1 | 9378.9 | 9464.2 | 9540.5 | 9648.2 | 9760.5 |
| 15° | 9006.5 | 9091.9 | 9159.1 | 9248.9 | 9311.7 | 9392.4 | 9459.8 | 9545.0 | 9630.3 | 9742.4 | 9850.1 |
| 17.5° | 8988.6 | 9091.9 | 9177.0 | 9280.3 | 9361.0 | 9441.9 | 9527.1 | 9608.0 | 9697.5 | 9805.4 | 9926.4 |
| 20° | 8916.8 | 9047.0 | 9150.1 | 9271.2 | 9356.6 | 9446.3 | 9531.7 | 9621.3 | 9715.6 | 9827.8 | 9931.0 |
| 22.5° | 8791.2 | 8943.7 | 9060.5 | 9190.5 | 9289.3 | 9378.9 | 9464.2 | 9554.0 | 9657.3 | 9765.0 | 9872.6 |
| 25° | 8625.1 | 8768.6 | 8894.4 | 9028.9 | 9127.7 | 9226.3 | 9307.2 | 9410.5 | 9504.7 | 9608.0 | 9693.1 |
| 27.5° | 8373.7 | 8526.3 | 8647.5 | 8786.7 | 8876.3 | 8970.7 | 9037.9 | 9123.3 | 9213.0 | 9298.2 | 9365.6 |
| 30° | 7996.9 | 8136.0 | 8261.6 | 8387.2 | 8477.0 | 8544.4 | 8616.1 | 8683.5 | 8741.8 | 8800.0 | 8858.4 |
| 32.5° | 7444.8 | 7570.6 | 7691.8 | 7808.3 | 7880.2 | 7938.5 | 7992.3 | 8032.7 | 8064.1 | 8095.5 | 8100.0 |
| 35° | 6686.6 | 6789.6 | 6865.9 | 6969.2 | 7036.6 | 7090.3 | 7090.3 | 7108.3 | 7103.8 | 7090.3 | 7076.9 |
| 37.5° | 5838.4 | 5878.6 | 5910.0 | 5950.5 | 5954.9 | 5954.9 | 5928.1 | 5905.6 | 5869.8 | 5860.7 | 5833.7 |
| 40° | 4954.3 | 4900.4 | 4859.9 | 4806.2 | 4774.8 | 4707.4 | 4649.2 | 4608.7 | 4550.4 | 4541.5 | 4532.5 |
| 42.5° | 4115.0 | 3989.4 | 3877.3 | 3783.1 | 3675.4 | 3581.0 | 3495.9 | 3433.0 | 3388.2 | 3383.5 | 3388.2 |
| 45° | 3433.0 | 3289.3 | 3123.3 | 2993.3 | 2872.1 | 2755.3 | 2643.2 | 2566.9 | 2526.5 | 2517.4 | 2526.5 |
| 47.5° | 2917.0 | 2750.9 | 2589.3 | 2441.1 | 2311.1 | 2180.9 | 2068.8 | 1965.5 | 1916.2 | 1902.7 | 1898.3 |
| 50° | 2508.6 | 2338.1 | 2167.4 | 2014.8 | 1871.3 | 1741.1 | 1602.0 | 1503.4 | 1440.6 | 1418.0 | 1400.1 |
| 52.5° | 2109.2 | 1956.6 | 1781.5 | 1624.5 | 1480.8 | 1328.3 | 1184.7 | 1072.4 | 1009.6 | 982.9 | 964.7 |
| 55° | 1759.2 | 1606.6 | 1445.0 | 1292.4 | 1139.9 | 987.3 | 843.6 | 735.9 | 668.7 | 637.3 | 614.7 |
| 57.5° | 1404.5 | 1261.0 | 1121.9 | 969.4 | 843.6 | 695.6 | 551.9 | 457.7 | 399.3 | 363.5 | 345.6 |
| 60° | 1085.9 | 973.8 | 852.6 | 727.0 | 605.9 | 484.7 | 367.9 | 278.2 | 233.3 | 206.5 | 184.0 |
| 62.5° | 821.2 | 727.0 | 646.1 | 538.4 | 444.2 | 341.0 | 251.4 | 179.5 | 139.1 | 116.7 | 107.7 |
| 65° | 592.4 | 520.5 | 448.7 | 381.4 | 314.2 | 237.9 | 170.5 | 116.7 | 80.7 | 67.2 | 62.8 |
| 67.5° | 421.9 | 363.5 | 309.6 | 264.7 | 215.4 | 170.5 | 121.2 | 80.7 | 62.8 | 53.9 | 49.3 |
| 70° | 296.1 | 251.4 | 215.4 | 175.1 | 143.5 | 112.1 | 94.2 | 58.4 | 35.8 | 40.5 | 31.4 |
| 72.5° | 197.5 | 166.1 | 148.1 | 121.2 | 98.6 | 80.7 | 58.4 | 40.5 | 40.5 | 31.4 | 27.0 |
| 75° | 107.7 | 98.6 | 76.3 | 58.4 | 49.3 | 44.9 | 17.9 | 9.1 | 4.4 | 13.5 | 4.4 |
| 77.5° | 76.3 | 67.2 | 58.4 | 49.3 | 40.5 | 31.4 | 17.9 | 17.9 | 13.5 | 17.9 | 9.1 |
| 80° | 49.3 | 40.5 | 35.8 | 35.8 | 22.4 | 13.5 | 9.1 | 9.1 | 13.5 | 4.4 | 4.4 |
| 82.5° | 31.4 | 27.0 | 22.4 | 22.4 | 22.4 | 13.5 | 13.5 | 13.5 | 13.5 | 9.1 | 9.1 |
| 85° | 17.9 | 13.5 | 9.1 | 9.1 | 4.4 | 9.1 | 0.0 | 4.4 | 4.4 | 0.0 | 0.0 |
| 87.5° | 9.1 | 4.4 | 4.4 | 4.4 | 4.4 | 0.0 | 0.0 | 4.4 | 0.0 | 4.4 | 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: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 | 9603.3 |
| 2.5° | 9679.6 | 9697.5 | 9720.1 | 9738.0 | 9778.4 | 9787.3 | 9805.4 | 9823.3 | 9836.8 | 9850.1 | 9854.7 |
| 5° | 9742.4 | 9809.8 | 9872.6 | 9939.9 | 10025.2 | 10083.6 | 10150.8 | 10209.2 | 10267.6 | 10316.9 | 10352.7 |
| 7.5° | 9760.5 | 9863.6 | 9958.0 | 10074.5 | 10200.1 | 10308.0 | 10420.1 | 10532.3 | 10649.0 | 10738.8 | 10815.0 |
| 10° | 9796.4 | 9922.0 | 10043.1 | 10182.2 | 10343.8 | 10487.4 | 10626.5 | 10774.6 | 10922.7 | 11048.3 | 11160.6 |
| 12.5° | 9859.2 | 9998.3 | 10128.5 | 10281.0 | 10447.1 | 10608.5 | 10761.1 | 10927.2 | 11084.4 | 11223.4 | 11349.0 |
| 15° | 9962.4 | 10092.5 | 10218.2 | 10361.8 | 10527.8 | 10676.0 | 10828.5 | 10990.0 | 11147.2 | 11290.7 | 11407.4 |
| 17.5° | 10029.7 | 10150.8 | 10276.4 | 10406.6 | 10545.7 | 10680.4 | 10823.9 | 10967.6 | 11111.1 | 11241.4 | 11349.0 |
| 20° | 10029.7 | 10146.4 | 10240.6 | 10357.3 | 10487.4 | 10604.1 | 10720.8 | 10846.4 | 10972.1 | 11079.7 | 11183.0 |
| 22.5° | 9948.9 | 10061.1 | 10132.9 | 10222.7 | 10334.8 | 10433.6 | 10496.4 | 10635.5 | 10729.7 | 10823.9 | 10900.2 |
| 25° | 9760.5 | 9841.2 | 9899.6 | 9962.4 | 10052.2 | 10119.4 | 10173.4 | 10254.1 | 10348.3 | 10384.3 | 10438.0 |
| 27.5° | 9419.4 | 9477.7 | 9509.1 | 9522.6 | 9567.5 | 9603.3 | 9612.4 | 9648.2 | 9688.7 | 9697.5 | 9720.1 |
| 30° | 8880.9 | 8885.4 | 8871.9 | 8867.4 | 8844.9 | 8818.1 | 8813.5 | 8809.1 | 8791.2 | 8773.2 | 8777.7 |
| 32.5° | 8068.6 | 8046.2 | 7992.3 | 7934.1 | 7875.7 | 7812.9 | 7776.9 | 7732.0 | 7705.1 | 7678.3 | 7646.9 |
| 35° | 7018.5 | 6964.7 | 6888.4 | 6816.6 | 6749.4 | 6699.9 | 6619.1 | 6592.2 | 6565.4 | 6529.4 | 6520.5 |
| 37.5° | 5784.4 | 5753.0 | 5681.2 | 5627.4 | 5591.6 | 5569.1 | 5528.6 | 5501.8 | 5501.8 | 5488.3 | 5479.3 |
| 40° | 4509.9 | 4501.1 | 4474.1 | 4487.6 | 4469.6 | 4478.5 | 4474.1 | 4465.0 | 4487.6 | 4487.6 | 4496.6 |
| 42.5° | 3383.5 | 3388.2 | 3401.6 | 3410.5 | 3437.5 | 3441.9 | 3464.4 | 3464.4 | 3477.9 | 3491.2 | 3500.3 |
| 45° | 2517.4 | 2535.5 | 2535.5 | 2553.5 | 2580.4 | 2584.9 | 2593.7 | 2598.3 | 2607.2 | 2629.7 | 2638.6 |
| 47.5° | 1889.2 | 1893.7 | 1893.7 | 1898.3 | 1907.1 | 1916.2 | 1911.8 | 1916.2 | 1929.7 | 1920.6 | 1929.7 |
| 50° | 1395.7 | 1400.1 | 1386.6 | 1373.1 | 1386.6 | 1386.6 | 1382.2 | 1368.7 | 1382.2 | 1364.3 | 1373.1 |
| 52.5° | 951.4 | 946.8 | 933.3 | 938.0 | 928.9 | 924.5 | 924.5 | 915.4 | 915.4 | 915.4 | 897.5 |
| 55° | 601.4 | 601.4 | 592.4 | 592.4 | 587.9 | 578.9 | 574.5 | 569.8 | 565.4 | 561.0 | 561.0 |
| 57.5° | 336.5 | 341.0 | 327.7 | 323.1 | 327.7 | 323.1 | 314.2 | 314.2 | 314.2 | 300.7 | 309.6 |
| 60° | 184.0 | 179.5 | 175.1 | 170.5 | 166.1 | 170.5 | 170.5 | 161.6 | 161.6 | 161.6 | 166.1 |
| 62.5° | 98.6 | 98.6 | 94.2 | 94.2 | 89.8 | 89.8 | 98.6 | 85.3 | 89.8 | 85.3 | 89.8 |
| 65° | 53.9 | 67.2 | 49.3 | 49.3 | 62.8 | 58.4 | 53.9 | 53.9 | 58.4 | 49.3 | 53.9 |
| 67.5° | 58.4 | 40.5 | 35.8 | 40.5 | 35.8 | 35.8 | 35.8 | 44.9 | 40.5 | 31.4 | 40.5 |
| 70° | 27.0 | 31.4 | 31.4 | 22.4 | 35.8 | 17.9 | 31.4 | 17.9 | 27.0 | 22.4 | 27.0 |
| 72.5° | 27.0 | 27.0 | 27.0 | 17.9 | 27.0 | 17.9 | 22.4 | 22.4 | 17.9 | 17.9 | 27.0 |
| 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° | 9.1 | 9.1 | 4.4 | 4.4 | 4.4 | 4.4 | 9.1 | 9.1 | 9.1 | 0.0 | 4.4 |
| 80° | 9.1 | 9.1 | 0.0 | 4.4 | 0.0 | 0.0 | 4.4 | 0.0 | 4.4 | 0.0 | 9.1 |
| 82.5° | 4.4 | 9.1 | 4.4 | 4.4 | 9.1 | 9.1 | 9.1 | 4.4 | 4.4 | 4.4 | 4.4 |
| 85° | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 4.4 |
| 87.5° | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 4.4 | 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: P250287

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|---------|---------|---------|---------|
| 0° | 9603.3 | 9603.3 | 9603.3 | 9603.3 |
| 2.5° | 9859.2 | 9863.6 | 9872.6 | 9868.2 |
| 5° | 10379.7 | 10415.7 | 10433.6 | 10429.2 |
| 7.5° | 10868.8 | 10931.8 | 10967.6 | 10967.6 |
| 10° | 11245.8 | 11317.6 | 11371.4 | 11380.4 |
| 12.5° | 11447.7 | 11528.6 | 11600.4 | 11582.3 |
| 15° | 11506.1 | 11587.0 | 11658.6 | 11645.1 |
| 17.5° | 11438.8 | 11519.5 | 11573.5 | 11564.4 |
| 20° | 11254.8 | 11322.1 | 11376.0 | 11371.4 |
| 22.5° | 10967.6 | 11026.0 | 11070.9 | 11066.3 |
| 25° | 10482.9 | 10523.4 | 10559.2 | 10541.3 |
| 27.5° | 9738.0 | 9751.5 | 9773.8 | 9747.0 |
| 30° | 8746.3 | 8755.1 | 8764.2 | 8759.8 |
| 32.5° | 7633.4 | 7628.8 | 7619.9 | 7610.9 |
| 35° | 6507.0 | 6507.0 | 6511.5 | 6484.5 |
| 37.5° | 5483.7 | 5479.3 | 5492.8 | 5479.3 |
| 40° | 4505.5 | 4501.1 | 4519.0 | 4496.6 |
| 42.5° | 3513.8 | 3527.3 | 3531.7 | 3531.7 |
| 45° | 2643.2 | 2647.7 | 2652.1 | 2652.1 |
| 47.5° | 1929.7 | 1934.1 | 1956.6 | 1929.7 |
| 50° | 1364.3 | 1368.7 | 1373.1 | 1364.3 |
| 52.5° | 901.9 | 906.6 | 901.9 | 888.5 |
| 55° | 551.9 | 556.5 | 556.5 | 556.5 |
| 57.5° | 296.1 | 300.7 | 300.7 | 296.1 |
| 60° | 161.6 | 157.0 | 161.6 | 152.6 |
| 62.5° | 85.3 | 94.2 | 89.8 | 80.7 |
| 65° | 53.9 | 53.9 | 53.9 | 62.8 |
| 67.5° | 44.9 | 35.8 | 40.5 | 31.4 |
| 70° | 27.0 | 31.4 | 31.4 | 22.4 |
| 72.5° | 22.4 | 22.4 | 22.4 | 27.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 9.1 | 9.1 | 9.1 | 4.4 |
| 80° | 4.4 | 0.0 | 4.4 | 0.0 |
| 82.5° | 4.4 | 4.4 | 9.1 | 4.4 |
| 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)