

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: P248349

Luminaire Tested: **LD8B120D010 ER8B120835 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13956)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120835 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE 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: 12958.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

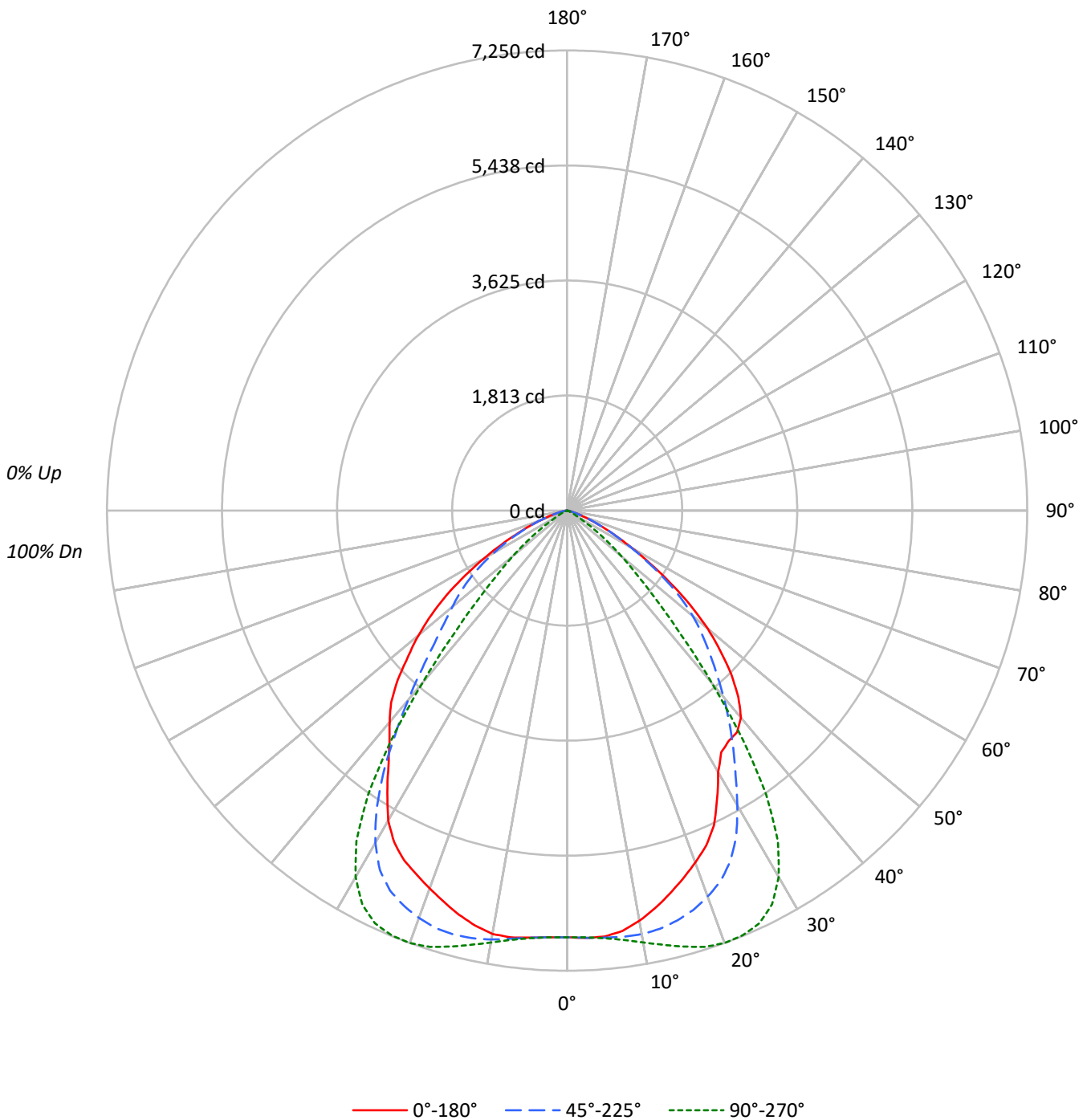
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248349

CATALOG NUMBER: LD8B120D010 ER8B120835 8LBDW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P248349

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 92 | 90 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 207288 | 207288 | 207288 |
| 5° | 208522 | 209293 | 209073 |
| 10° | 205457 | 216297 | 212051 |
| 15° | 199452 | 227015 | 210383 |
| 20° | 193663 | 237921 | 207829 |
| 25° | 186228 | 244014 | 206863 |
| 30° | 169477 | 237322 | 200733 |
| 35° | 166952 | 205639 | 184686 |
| 40° | 171494 | 142624 | 175081 |
| 45° | 159644 | 86202 | 164624 |
| 50° | 138473 | 53231 | 146691 |
| 55° | 106270 | 27816 | 124495 |
| 60° | 72397 | 11218 | 93958 |
| 65° | 45034 | 5728 | 64822 |
| 70° | 24451 | 3543 | 39571 |
| 75° | 12748 | 1692 | 23388 |
| 80° | 5700 | 1900 | 12661 |
| 85° | 3786 | 1274 | 11357 |



TEST NUMBER: P248349

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 646.5 | 5.0 |
| 10°-20° | 1915.1 | 14.8 |
| 20°-30° | 2921.6 | 22.5 |
| 30°-40° | 3048.7 | 23.5 |
| 40°-50° | 2290.0 | 17.7 |
| 50°-60° | 1409.0 | 10.9 |
| 60°-70° | 573.4 | 4.4 |
| 70°-80° | 135.1 | 1.0 |
| 80°-90° | 18.6 | 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° | 5483.1 | 42.3 |
| 0°-40° | 8531.9 | 65.8 |
| 0°-60° | 12230.9 | 94.4 |
| 0°-90° | 12958.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 12958.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6722 | 6722 | 6722 | 6722 | 6722 | |
| 5° | 6736 | 6754 | 6761 | 6754 | 6754 | 637 |
| 15° | 6248 | 6686 | 7111 | 6915 | 6590 | 1760 |
| 25° | 5473 | 6087 | 7172 | 6604 | 6080 | 2488 |
| 35° | 4435 | 4560 | 5463 | 5049 | 4906 | 2800 |
| 45° | 3661 | 3168 | 1977 | 2951 | 3775 | 2793 |
| 55° | 1977 | 1877 | 517 | 1877 | 2316 | 1777 |
| 65° | 617 | 624 | 78 | 838 | 888 | 644 |
| 75° | 107 | 107 | 14 | 189 | 196 | 129 |
| 85° | 11 | 11 | 4 | 25 | 32 | 15 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248349

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 |
| 2.5° | 6740.0 | 6729.3 | 6740.0 | 6740.0 | 6743.6 | 6736.5 | 6740.0 | 6743.6 | 6736.5 | 6736.5 | 6736.5 |
| 5° | 6736.5 | 6729.3 | 6736.5 | 6732.9 | 6740.0 | 6740.0 | 6747.2 | 6747.2 | 6754.3 | 6754.3 | 6765.0 |
| 7.5° | 6679.4 | 6665.1 | 6679.4 | 6690.1 | 6697.2 | 6711.5 | 6729.3 | 6743.6 | 6757.9 | 6772.2 | 6790.0 |
| 10° | 6561.6 | 6561.6 | 6572.3 | 6593.7 | 6615.1 | 6640.1 | 6672.2 | 6707.9 | 6743.6 | 6775.7 | 6807.8 |
| 12.5° | 6415.4 | 6404.6 | 6426.0 | 6454.6 | 6486.7 | 6526.0 | 6575.9 | 6629.4 | 6686.5 | 6750.7 | 6800.7 |
| 15° | 6247.7 | 6236.9 | 6261.9 | 6290.4 | 6329.7 | 6386.8 | 6447.5 | 6518.8 | 6600.9 | 6686.5 | 6768.6 |
| 17.5° | 6076.4 | 6072.8 | 6097.8 | 6137.0 | 6169.2 | 6229.8 | 6308.3 | 6393.9 | 6486.7 | 6600.9 | 6707.9 |
| 20° | 5901.6 | 5898.0 | 5923.0 | 5955.1 | 5997.9 | 6055.0 | 6133.5 | 6233.3 | 6344.0 | 6472.5 | 6597.3 |
| 22.5° | 5719.6 | 5723.1 | 5744.5 | 5780.2 | 5815.9 | 5876.5 | 5958.6 | 6058.6 | 6179.8 | 6319.0 | 6458.1 |
| 25° | 5473.4 | 5455.5 | 5484.1 | 5519.8 | 5580.4 | 5630.3 | 5708.9 | 5815.9 | 5940.8 | 6087.1 | 6251.2 |
| 27.5° | 5116.5 | 5113.0 | 5138.0 | 5170.1 | 5223.6 | 5284.3 | 5369.9 | 5480.5 | 5612.5 | 5773.1 | 5933.6 |
| 30° | 4759.7 | 4766.9 | 4777.6 | 4809.8 | 4845.4 | 4906.1 | 4991.7 | 5084.5 | 5209.3 | 5362.7 | 5534.0 |
| 32.5° | 4517.1 | 4517.1 | 4531.4 | 4552.8 | 4577.8 | 4609.9 | 4670.6 | 4738.3 | 4834.7 | 4941.8 | 5066.6 |
| 35° | 4435.0 | 4420.8 | 4435.0 | 4438.6 | 4442.2 | 4449.4 | 4460.0 | 4481.5 | 4513.5 | 4560.0 | 4606.3 |
| 37.5° | 4399.4 | 4388.7 | 4388.7 | 4374.5 | 4356.6 | 4335.2 | 4306.6 | 4274.5 | 4238.9 | 4192.4 | 4156.8 |
| 40° | 4260.3 | 4253.1 | 4245.9 | 4231.7 | 4192.4 | 4149.6 | 4103.2 | 4028.3 | 3946.2 | 3832.0 | 3717.9 |
| 42.5° | 3992.7 | 3985.5 | 3981.9 | 3953.4 | 3917.7 | 3867.7 | 3814.2 | 3735.7 | 3632.3 | 3486.0 | 3321.8 |
| 45° | 3660.8 | 3646.5 | 3635.9 | 3610.9 | 3585.8 | 3543.1 | 3493.1 | 3421.7 | 3318.3 | 3168.4 | 2972.2 |
| 47.5° | 3275.5 | 3268.3 | 3264.7 | 3254.1 | 3229.1 | 3204.1 | 3172.0 | 3114.9 | 3022.1 | 2879.4 | 2676.0 |
| 50° | 2886.5 | 2872.3 | 2879.4 | 2875.9 | 2865.1 | 2847.3 | 2825.9 | 2786.7 | 2715.2 | 2586.8 | 2401.3 |
| 52.5° | 2440.5 | 2440.5 | 2437.0 | 2447.7 | 2451.2 | 2447.7 | 2451.2 | 2408.5 | 2347.8 | 2251.4 | 2094.4 |
| 55° | 1976.7 | 1976.7 | 1987.4 | 2001.7 | 2015.9 | 2019.5 | 2015.9 | 1998.1 | 1955.3 | 1876.8 | 1737.6 |
| 57.5° | 1541.4 | 1534.3 | 1555.7 | 1577.1 | 1591.4 | 1605.6 | 1594.9 | 1580.6 | 1555.7 | 1491.4 | 1384.4 |
| 60° | 1173.9 | 1173.9 | 1188.1 | 1202.4 | 1216.7 | 1231.0 | 1227.4 | 1223.8 | 1202.4 | 1159.6 | 1074.0 |
| 62.5° | 863.4 | 867.0 | 867.0 | 877.8 | 892.0 | 906.3 | 917.0 | 906.3 | 895.6 | 867.0 | 809.9 |
| 65° | 617.2 | 613.7 | 617.2 | 628.0 | 638.7 | 652.9 | 660.1 | 656.5 | 645.8 | 624.4 | 581.6 |
| 67.5° | 413.9 | 410.3 | 424.6 | 428.1 | 435.3 | 449.6 | 446.0 | 449.6 | 446.0 | 428.1 | 392.5 |
| 70° | 271.2 | 264.0 | 271.2 | 267.6 | 278.3 | 281.9 | 289.0 | 292.6 | 289.0 | 278.3 | 267.6 |
| 72.5° | 167.7 | 164.1 | 167.7 | 171.3 | 174.9 | 178.4 | 185.5 | 185.5 | 181.9 | 174.9 | 160.6 |
| 75° | 107.0 | 96.3 | 99.9 | 92.8 | 99.9 | 99.9 | 107.0 | 110.6 | 107.0 | 107.0 | 99.9 |
| 77.5° | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 67.8 | 71.3 | 64.3 | 60.7 |
| 80° | 32.1 | 32.1 | 35.7 | 35.7 | 35.7 | 39.3 | 35.7 | 35.7 | 35.7 | 39.3 | 28.5 |
| 82.5° | 25.0 | 21.4 | 21.4 | 21.4 | 25.0 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 |
| 85° | 10.7 | 14.2 | 10.7 | 7.2 | 10.7 | 10.7 | 14.2 | 10.7 | 10.7 | 10.7 | 14.2 |
| 87.5° | 3.6 | 3.6 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 3.6 | 3.6 | 7.2 | 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: P248349

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 |
| 2.5° | 6740.0 | 6732.9 | 6732.9 | 6729.3 | 6736.5 | 6729.3 | 6732.9 | 6729.3 | 6729.3 | 6736.5 | 6729.3 |
| 5° | 6765.0 | 6768.6 | 6761.4 | 6757.9 | 6768.6 | 6768.6 | 6768.6 | 6761.4 | 6761.4 | 6765.0 | 6761.4 |
| 7.5° | 6800.7 | 6807.8 | 6811.4 | 6815.0 | 6822.1 | 6825.7 | 6825.7 | 6822.1 | 6818.5 | 6829.3 | 6815.0 |
| 10° | 6839.9 | 6850.7 | 6872.1 | 6882.8 | 6900.6 | 6900.6 | 6907.8 | 6907.8 | 6900.6 | 6907.8 | 6904.2 |
| 12.5° | 6825.7 | 6889.9 | 6925.6 | 6950.5 | 6975.5 | 6996.9 | 7004.1 | 7007.6 | 7004.1 | 7018.4 | 7004.1 |
| 15° | 6850.7 | 6904.2 | 6961.3 | 7004.1 | 7050.4 | 7075.4 | 7082.5 | 7111.1 | 7118.3 | 7121.8 | 7100.4 |
| 17.5° | 6811.4 | 6907.8 | 6968.4 | 7032.6 | 7100.4 | 7146.8 | 7189.6 | 7207.5 | 7211.1 | 7218.1 | 7189.6 |
| 20° | 6722.2 | 6829.3 | 6922.0 | 7014.8 | 7093.3 | 7164.6 | 7200.3 | 7250.3 | 7236.0 | 7264.6 | 7225.3 |
| 22.5° | 6600.9 | 6722.2 | 6839.9 | 6961.3 | 7043.3 | 7129.0 | 7203.9 | 7239.5 | 7257.4 | 7257.4 | 7214.5 |
| 25° | 6408.2 | 6550.9 | 6679.4 | 6804.2 | 6929.1 | 7032.6 | 7118.3 | 7171.8 | 7182.5 | 7178.9 | 7129.0 |
| 27.5° | 6108.5 | 6261.9 | 6411.8 | 6554.5 | 6707.9 | 6829.3 | 6929.1 | 6993.3 | 7011.2 | 7011.2 | 6957.7 |
| 30° | 5694.6 | 5858.7 | 6005.0 | 6176.2 | 6333.3 | 6468.9 | 6608.0 | 6665.1 | 6697.2 | 6697.2 | 6636.6 |
| 32.5° | 5202.2 | 5341.4 | 5476.9 | 5644.6 | 5815.9 | 5969.3 | 6101.3 | 6179.8 | 6219.1 | 6215.5 | 6162.0 |
| 35° | 4667.0 | 4734.8 | 4838.3 | 4963.1 | 5116.5 | 5259.3 | 5387.7 | 5462.7 | 5530.5 | 5526.9 | 5476.9 |
| 37.5° | 4131.8 | 4113.9 | 4124.7 | 4171.0 | 4267.3 | 4367.3 | 4467.2 | 4538.6 | 4595.6 | 4620.7 | 4609.9 |
| 40° | 3607.3 | 3514.5 | 3425.3 | 3393.2 | 3400.3 | 3436.0 | 3489.5 | 3543.1 | 3607.3 | 3639.4 | 3653.7 |
| 42.5° | 3136.3 | 2979.3 | 2822.3 | 2704.6 | 2636.8 | 2615.4 | 2640.3 | 2658.1 | 2697.4 | 2743.8 | 2790.2 |
| 45° | 2758.1 | 2547.6 | 2340.6 | 2158.7 | 2044.5 | 1976.7 | 1962.4 | 1976.7 | 1998.1 | 2044.5 | 2105.2 |
| 47.5° | 2447.7 | 2201.5 | 1969.6 | 1766.2 | 1598.5 | 1509.3 | 1484.3 | 1477.2 | 1498.6 | 1541.4 | 1623.4 |
| 50° | 2172.9 | 1926.7 | 1669.9 | 1434.3 | 1259.5 | 1159.6 | 1124.0 | 1109.6 | 1134.6 | 1166.7 | 1241.6 |
| 52.5° | 1873.2 | 1630.6 | 1366.6 | 1138.2 | 956.2 | 852.8 | 813.5 | 792.1 | 806.3 | 849.2 | 924.1 |
| 55° | 1548.5 | 1323.7 | 1084.7 | 849.2 | 674.3 | 578.0 | 531.6 | 517.4 | 531.6 | 578.0 | 652.9 |
| 57.5° | 1223.8 | 1034.7 | 834.9 | 613.7 | 456.7 | 360.4 | 313.9 | 299.7 | 339.0 | 356.8 | 435.3 |
| 60° | 956.2 | 802.8 | 631.6 | 449.6 | 313.9 | 239.0 | 192.7 | 181.9 | 199.8 | 231.9 | 296.1 |
| 62.5° | 717.2 | 620.8 | 485.2 | 321.1 | 231.9 | 153.4 | 128.4 | 117.8 | 128.4 | 153.4 | 203.4 |
| 65° | 520.9 | 446.0 | 339.0 | 235.5 | 157.0 | 114.2 | 85.6 | 78.5 | 89.2 | 107.0 | 149.9 |
| 67.5° | 356.8 | 299.7 | 235.5 | 164.1 | 107.0 | 71.3 | 60.7 | 60.7 | 64.3 | 78.5 | 110.6 |
| 70° | 231.9 | 196.3 | 149.9 | 107.0 | 71.3 | 53.5 | 46.4 | 39.3 | 46.4 | 57.1 | 74.9 |
| 72.5° | 146.3 | 124.8 | 96.3 | 74.9 | 53.5 | 39.3 | 32.1 | 28.5 | 35.7 | 42.8 | 57.1 |
| 75° | 89.2 | 67.8 | 49.9 | 39.3 | 28.5 | 28.5 | 28.5 | 14.2 | 17.8 | 28.5 | 35.7 |
| 77.5° | 53.5 | 46.4 | 39.3 | 32.1 | 25.0 | 14.2 | 14.2 | 14.2 | 17.8 | 21.4 | 32.1 |
| 80° | 28.5 | 25.0 | 17.8 | 17.8 | 14.2 | 10.7 | 14.2 | 10.7 | 7.2 | 17.8 | 21.4 |
| 82.5° | 17.8 | 14.2 | 14.2 | 14.2 | 17.8 | 7.2 | 10.7 | 7.2 | 10.7 | 14.2 | 10.7 |
| 85° | 10.7 | 10.7 | 10.7 | 7.2 | 17.8 | 7.2 | 7.2 | 3.6 | 3.6 | 7.2 | 7.2 |
| 87.5° | 0.0 | 3.6 | 3.6 | 0.0 | 3.6 | 0.0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 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: P248349

CATALOG NUMBER: LD8B120D010 ER8B120835 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 | 6722.2 |
| 2.5° | 6732.9 | 6729.3 | 6732.9 | 6729.3 | 6729.3 | 6729.3 | 6732.9 | 6732.9 | 6729.3 | 6729.3 | 6736.5 |
| 5° | 6761.4 | 6761.4 | 6761.4 | 6757.9 | 6754.3 | 6754.3 | 6761.4 | 6761.4 | 6750.7 | 6761.4 | 6761.4 |
| 7.5° | 6822.1 | 6811.4 | 6822.1 | 6807.8 | 6800.7 | 6804.2 | 6807.8 | 6800.7 | 6793.6 | 6797.1 | 6797.1 |
| 10° | 6900.6 | 6889.9 | 6889.9 | 6879.2 | 6868.5 | 6861.3 | 6854.2 | 6836.3 | 6818.5 | 6815.0 | 6800.7 |
| 12.5° | 6993.3 | 6975.5 | 6964.9 | 6943.4 | 6925.6 | 6900.6 | 6879.2 | 6850.7 | 6815.0 | 6790.0 | 6765.0 |
| 15° | 7086.1 | 7057.6 | 7032.6 | 6996.9 | 6957.7 | 6914.8 | 6868.5 | 6822.1 | 6765.0 | 6715.1 | 6672.2 |
| 17.5° | 7161.0 | 7121.8 | 7075.4 | 7018.4 | 6961.3 | 6897.0 | 6829.3 | 6761.4 | 6679.4 | 6615.1 | 6565.2 |
| 20° | 7186.0 | 7129.0 | 7068.3 | 6993.3 | 6918.4 | 6829.3 | 6743.6 | 6654.4 | 6561.6 | 6493.9 | 6436.8 |
| 22.5° | 7154.0 | 7086.1 | 7011.2 | 6932.7 | 6832.8 | 6736.5 | 6636.6 | 6533.1 | 6451.0 | 6358.3 | 6304.8 |
| 25° | 7064.7 | 6982.7 | 6900.6 | 6807.8 | 6711.5 | 6604.5 | 6497.4 | 6390.4 | 6290.4 | 6240.5 | 6172.7 |
| 27.5° | 6882.8 | 6793.6 | 6704.3 | 6608.0 | 6497.4 | 6390.4 | 6279.8 | 6176.2 | 6090.7 | 6022.8 | 5983.6 |
| 30° | 6561.6 | 6458.1 | 6354.7 | 6251.2 | 6154.9 | 6044.2 | 5940.8 | 5855.1 | 5769.5 | 5716.0 | 5676.8 |
| 32.5° | 6069.2 | 5976.5 | 5873.0 | 5773.1 | 5683.9 | 5591.1 | 5505.5 | 5430.6 | 5369.9 | 5334.2 | 5305.6 |
| 35° | 5405.6 | 5312.8 | 5234.3 | 5163.0 | 5088.0 | 5048.8 | 4995.3 | 4952.4 | 4927.4 | 4913.2 | 4909.6 |
| 37.5° | 4570.6 | 4517.1 | 4492.1 | 4477.9 | 4463.6 | 4452.9 | 4460.0 | 4477.9 | 4492.1 | 4517.1 | 4545.7 |
| 40° | 3678.6 | 3725.0 | 3739.3 | 3789.3 | 3835.6 | 3896.3 | 3964.1 | 4042.6 | 4106.8 | 4188.9 | 4245.9 |
| 42.5° | 2865.1 | 2950.8 | 3050.7 | 3157.7 | 3271.9 | 3382.5 | 3518.1 | 3642.9 | 3757.1 | 3860.6 | 3949.8 |
| 45° | 2201.5 | 2333.5 | 2483.4 | 2636.8 | 2790.2 | 2950.8 | 3114.9 | 3268.3 | 3403.9 | 3514.5 | 3607.3 |
| 47.5° | 1716.2 | 1862.5 | 2055.2 | 2244.3 | 2429.8 | 2618.9 | 2800.9 | 2961.4 | 3075.6 | 3182.7 | 3264.7 |
| 50° | 1359.4 | 1527.1 | 1737.6 | 1955.3 | 2158.7 | 2358.4 | 2551.1 | 2701.0 | 2815.2 | 2900.9 | 2961.4 |
| 52.5° | 1052.5 | 1252.4 | 1466.4 | 1694.8 | 1912.5 | 2130.1 | 2308.5 | 2447.7 | 2540.5 | 2615.4 | 2661.7 |
| 55° | 785.0 | 981.2 | 1209.6 | 1445.1 | 1666.3 | 1876.8 | 2044.5 | 2165.8 | 2247.9 | 2290.7 | 2315.7 |
| 57.5° | 567.3 | 745.8 | 974.1 | 1209.6 | 1409.4 | 1609.2 | 1744.8 | 1855.4 | 1901.7 | 1926.7 | 1937.5 |
| 60° | 413.9 | 578.0 | 781.4 | 984.8 | 1173.9 | 1334.4 | 1452.2 | 1527.1 | 1562.8 | 1577.1 | 1573.5 |
| 62.5° | 303.3 | 446.0 | 620.8 | 792.1 | 945.5 | 1077.5 | 1170.3 | 1220.3 | 1238.1 | 1245.2 | 1234.6 |
| 65° | 231.9 | 342.5 | 492.4 | 624.4 | 742.2 | 838.5 | 906.3 | 938.4 | 949.1 | 945.5 | 938.4 |
| 67.5° | 171.3 | 256.9 | 367.5 | 467.4 | 553.1 | 628.0 | 663.7 | 692.2 | 699.3 | 688.7 | 677.9 |
| 70° | 121.4 | 189.1 | 267.6 | 335.4 | 399.6 | 442.5 | 481.7 | 485.2 | 485.2 | 481.7 | 474.6 |
| 72.5° | 85.6 | 132.0 | 181.9 | 228.4 | 267.6 | 299.7 | 313.9 | 324.7 | 321.1 | 317.5 | 310.5 |
| 75° | 57.1 | 82.1 | 132.0 | 142.7 | 178.4 | 189.1 | 203.4 | 203.4 | 206.9 | 196.3 | 196.3 |
| 77.5° | 35.7 | 57.1 | 78.5 | 92.8 | 107.0 | 121.4 | 128.4 | 128.4 | 132.0 | 128.4 | 128.4 |
| 80° | 21.4 | 35.7 | 42.8 | 64.3 | 64.3 | 74.9 | 78.5 | 82.1 | 74.9 | 85.6 | 74.9 |
| 82.5° | 14.2 | 21.4 | 32.1 | 32.1 | 39.3 | 46.4 | 46.4 | 49.9 | 49.9 | 46.4 | 46.4 |
| 85° | 10.7 | 14.2 | 17.8 | 21.4 | 21.4 | 25.0 | 21.4 | 21.4 | 25.0 | 28.5 | 25.0 |
| 87.5° | 3.6 | 7.2 | 3.6 | 7.2 | 7.2 | 14.2 | 10.7 | 10.7 | 10.7 | 14.2 | 14.2 |
| 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: P248349

CATALOG NUMBER: LD8B120D010 ER8B120835 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 6722.2 | 6722.2 | 6722.2 | 6722.2 |
| 2.5° | 6729.3 | 6732.9 | 6729.3 | 6729.3 |
| 5° | 6761.4 | 6757.9 | 6761.4 | 6754.3 |
| 7.5° | 6786.4 | 6786.4 | 6782.8 | 6782.8 |
| 10° | 6786.4 | 6772.2 | 6772.2 | 6772.2 |
| 12.5° | 6732.9 | 6715.1 | 6704.3 | 6697.2 |
| 15° | 6640.1 | 6608.0 | 6593.7 | 6590.1 |
| 17.5° | 6518.8 | 6490.3 | 6472.5 | 6461.7 |
| 20° | 6379.7 | 6351.1 | 6329.7 | 6333.3 |
| 22.5° | 6258.3 | 6226.3 | 6211.9 | 6204.8 |
| 25° | 6137.0 | 6097.8 | 6087.1 | 6079.9 |
| 27.5° | 5940.8 | 5919.4 | 5908.7 | 5898.0 |
| 30° | 5641.1 | 5630.3 | 5612.5 | 5637.5 |
| 32.5° | 5295.0 | 5277.1 | 5262.9 | 5273.6 |
| 35° | 4913.2 | 4902.5 | 4913.2 | 4906.1 |
| 37.5° | 4563.6 | 4574.2 | 4588.5 | 4595.6 |
| 40° | 4288.8 | 4328.0 | 4342.3 | 4349.4 |
| 42.5° | 4014.1 | 4060.4 | 4089.0 | 4106.8 |
| 45° | 3675.1 | 3721.4 | 3753.6 | 3775.0 |
| 47.5° | 3325.4 | 3364.7 | 3396.7 | 3393.2 |
| 50° | 3007.9 | 3029.3 | 3043.5 | 3057.8 |
| 52.5° | 2686.7 | 2686.7 | 2690.3 | 2690.3 |
| 55° | 2322.8 | 2315.7 | 2312.1 | 2315.7 |
| 57.5° | 1923.1 | 1916.1 | 1912.5 | 1901.7 |
| 60° | 1559.3 | 1537.9 | 1523.5 | 1523.5 |
| 62.5° | 1220.3 | 1195.3 | 1184.6 | 1181.0 |
| 65° | 917.0 | 913.4 | 892.0 | 888.4 |
| 67.5° | 663.7 | 649.4 | 635.1 | 638.7 |
| 70° | 467.4 | 446.0 | 446.0 | 438.9 |
| 72.5° | 303.3 | 292.6 | 289.0 | 289.0 |
| 75° | 189.1 | 189.1 | 181.9 | 196.3 |
| 77.5° | 124.8 | 124.8 | 121.4 | 124.8 |
| 80° | 74.9 | 74.9 | 74.9 | 71.3 |
| 82.5° | 46.4 | 49.9 | 46.4 | 46.4 |
| 85° | 25.0 | 28.5 | 21.4 | 32.1 |
| 87.5° | 14.2 | 17.8 | 14.2 | 17.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)