

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: P249230

Luminaire Tested: **LD8B100D010 ER8B100850 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249230
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: LD8B100D010 ER8B100850 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11114.0 lumens
Efficiency: N/A
Efficacy: 104.6 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

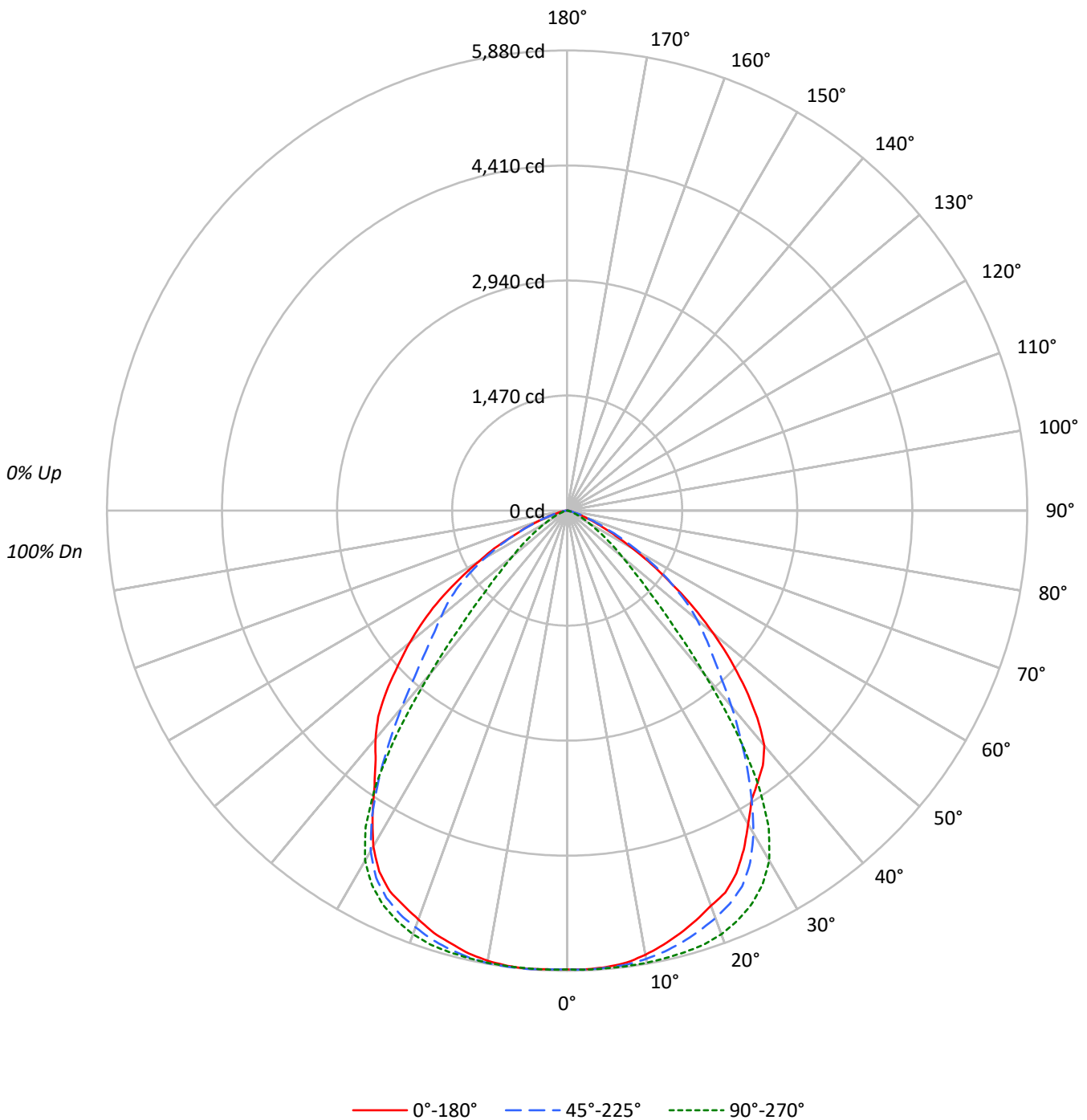
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 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° | 180824 | 180824 | 180824 |
| 5° | 181221 | 181710 | 181905 |
| 10° | 180457 | 183711 | 182922 |
| 15° | 178459 | 186398 | 182880 |
| 20° | 176317 | 189020 | 182411 |
| 25° | 174027 | 189235 | 182597 |
| 30° | 164638 | 183916 | 176406 |
| 35° | 159724 | 159841 | 161501 |
| 40° | 157747 | 109978 | 153311 |
| 45° | 140557 | 66024 | 142480 |
| 50° | 116876 | 43943 | 125933 |
| 55° | 87653 | 30295 | 106776 |
| 60° | 59403 | 20185 | 80563 |
| 65° | 35833 | 13090 | 55344 |
| 70° | 19862 | 7096 | 34053 |
| 75° | 9007 | 3002 | 17621 |
| 80° | 7831 | 3356 | 12288 |
| 85° | 8916 | 4458 | 12277 |



TEST NUMBER: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 559.6 | 5.0 |
| 10°-20° | 1625.3 | 14.6 |
| 20°-30° | 2466.8 | 22.2 |
| 30°-40° | 2590.9 | 23.3 |
| 40°-50° | 1942.5 | 17.5 |
| 50°-60° | 1246.3 | 11.2 |
| 60°-70° | 533.2 | 4.8 |
| 70°-80° | 126.0 | 1.1 |
| 80°-90° | 23.4 | 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° | 4651.7 | 41.9 |
| 0°-40° | 7242.6 | 65.2 |
| 0°-60° | 10431.4 | 93.9 |
| 0°-90° | 11114.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 11114.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5864 | 5864 | 5864 | 5864 | 5864 | |
| 5° | 5854 | 5864 | 5870 | 5880 | 5877 | 556 |
| 15° | 5590 | 5707 | 5839 | 5801 | 5729 | 1577 |
| 25° | 5115 | 5294 | 5562 | 5461 | 5367 | 2337 |
| 35° | 4243 | 4007 | 4246 | 4196 | 4290 | 2663 |
| 45° | 3223 | 2634 | 1514 | 2559 | 3267 | 2468 |
| 55° | 1630 | 1630 | 564 | 1700 | 1986 | 1479 |
| 65° | 491 | 579 | 179 | 746 | 758 | 524 |
| 75° | 76 | 88 | 25 | 151 | 148 | 110 |
| 85° | 25 | 16 | 13 | 25 | 35 | 27 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 |
| 2.5° | 5867.1 | 5873.4 | 5870.3 | 5870.3 | 5867.1 | 5870.3 | 5870.3 | 5876.6 | 5876.6 | 5870.3 | 5867.1 |
| 5° | 5854.5 | 5860.8 | 5860.8 | 5854.5 | 5854.5 | 5870.3 | 5860.8 | 5867.1 | 5867.1 | 5864.0 | 5864.0 |
| 7.5° | 5826.2 | 5826.2 | 5838.8 | 5829.4 | 5829.4 | 5838.8 | 5835.6 | 5841.9 | 5848.3 | 5851.4 | 5851.4 |
| 10° | 5763.2 | 5769.5 | 5772.7 | 5772.7 | 5775.9 | 5785.3 | 5791.6 | 5804.2 | 5810.4 | 5816.8 | 5819.9 |
| 12.5° | 5684.6 | 5694.0 | 5697.1 | 5694.0 | 5703.5 | 5716.0 | 5731.8 | 5747.5 | 5757.0 | 5769.5 | 5779.0 |
| 15° | 5590.1 | 5590.1 | 5596.4 | 5605.9 | 5612.2 | 5631.1 | 5646.8 | 5665.6 | 5690.8 | 5706.6 | 5722.3 |
| 17.5° | 5486.3 | 5492.6 | 5502.0 | 5502.0 | 5514.6 | 5546.0 | 5555.5 | 5583.9 | 5612.2 | 5627.9 | 5659.4 |
| 20° | 5373.0 | 5379.2 | 5388.7 | 5395.0 | 5410.7 | 5435.9 | 5454.8 | 5480.0 | 5511.5 | 5539.8 | 5571.2 |
| 22.5° | 5284.8 | 5272.2 | 5278.5 | 5284.8 | 5300.6 | 5322.6 | 5344.6 | 5376.1 | 5407.6 | 5435.9 | 5467.4 |
| 25° | 5114.8 | 5118.0 | 5127.5 | 5133.7 | 5152.6 | 5171.5 | 5196.7 | 5234.4 | 5262.8 | 5294.3 | 5328.9 |
| 27.5° | 4885.1 | 4888.2 | 4904.0 | 4904.0 | 4919.7 | 4951.2 | 4966.9 | 4998.4 | 5036.2 | 5067.6 | 5108.6 |
| 30° | 4623.8 | 4630.1 | 4630.1 | 4642.7 | 4652.1 | 4667.9 | 4683.6 | 4715.1 | 4734.0 | 4762.3 | 4819.0 |
| 32.5° | 4384.6 | 4390.9 | 4387.7 | 4384.6 | 4375.2 | 4372.0 | 4368.8 | 4375.2 | 4381.5 | 4390.9 | 4412.9 |
| 35° | 4243.0 | 4227.2 | 4214.7 | 4192.6 | 4167.4 | 4135.9 | 4107.6 | 4069.9 | 4035.2 | 4006.9 | 3975.4 |
| 37.5° | 4107.6 | 4104.4 | 4085.6 | 4054.1 | 4003.7 | 3947.1 | 3881.0 | 3799.2 | 3717.3 | 3629.2 | 3544.2 |
| 40° | 3918.8 | 3909.3 | 3893.6 | 3849.5 | 3792.8 | 3723.6 | 3635.5 | 3534.8 | 3402.5 | 3267.2 | 3128.7 |
| 42.5° | 3597.7 | 3600.8 | 3582.0 | 3547.3 | 3493.9 | 3427.7 | 3336.4 | 3226.3 | 3084.7 | 2924.1 | 2744.7 |
| 45° | 3223.1 | 3223.1 | 3216.8 | 3188.5 | 3150.7 | 3097.2 | 3028.0 | 2936.7 | 2798.2 | 2634.5 | 2442.5 |
| 47.5° | 2832.8 | 2836.0 | 2826.5 | 2820.3 | 2804.5 | 2769.9 | 2719.5 | 2650.3 | 2552.7 | 2395.3 | 2203.3 |
| 50° | 2436.3 | 2436.3 | 2452.0 | 2448.8 | 2448.8 | 2436.3 | 2414.2 | 2373.3 | 2288.3 | 2162.4 | 1983.0 |
| 52.5° | 2039.6 | 2045.9 | 2055.4 | 2068.0 | 2083.7 | 2108.9 | 2083.7 | 2064.8 | 2011.3 | 1913.7 | 1759.5 |
| 55° | 1630.4 | 1636.8 | 1652.5 | 1674.5 | 1693.4 | 1718.6 | 1724.9 | 1724.9 | 1696.5 | 1630.4 | 1514.0 |
| 57.5° | 1281.1 | 1271.6 | 1284.2 | 1303.1 | 1328.3 | 1353.5 | 1372.4 | 1394.4 | 1391.2 | 1347.2 | 1252.8 |
| 60° | 963.2 | 966.3 | 975.7 | 994.7 | 1013.5 | 1035.6 | 1060.7 | 1079.6 | 1089.1 | 1067.1 | 1007.2 |
| 62.5° | 701.9 | 701.9 | 714.5 | 733.4 | 742.8 | 774.3 | 790.0 | 799.5 | 808.9 | 805.7 | 768.0 |
| 65° | 491.1 | 497.3 | 503.6 | 513.1 | 522.5 | 541.4 | 550.8 | 569.7 | 576.0 | 579.2 | 550.8 |
| 67.5° | 346.3 | 336.8 | 343.1 | 349.3 | 358.8 | 371.4 | 390.3 | 390.3 | 399.7 | 399.7 | 380.8 |
| 70° | 220.3 | 220.3 | 223.5 | 232.9 | 239.2 | 242.4 | 248.7 | 254.9 | 264.4 | 261.2 | 261.2 |
| 72.5° | 147.9 | 144.8 | 147.9 | 151.1 | 154.3 | 163.7 | 163.7 | 166.8 | 173.1 | 176.3 | 163.7 |
| 75° | 75.6 | 78.7 | 85.0 | 81.9 | 91.3 | 85.0 | 88.1 | 97.6 | 94.4 | 88.1 | 88.1 |
| 77.5° | 62.9 | 62.9 | 62.9 | 59.8 | 66.1 | 66.1 | 62.9 | 69.2 | 66.1 | 66.1 | 62.9 |
| 80° | 44.1 | 47.2 | 44.1 | 40.9 | 44.1 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 37.7 |
| 82.5° | 34.7 | 28.3 | 31.5 | 28.3 | 31.5 | 31.5 | 28.3 | 25.2 | 25.2 | 28.3 | 25.2 |
| 85° | 25.2 | 18.9 | 22.0 | 22.0 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 15.7 | 15.7 |
| 87.5° | 15.7 | 9.5 | 9.5 | 9.5 | 12.6 | 12.6 | 12.6 | 9.5 | 12.6 | 12.6 | 6.3 |
| 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: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 |
| 2.5° | 5873.4 | 5870.3 | 5876.6 | 5873.4 | 5873.4 | 5870.3 | 5873.4 | 5870.3 | 5876.6 | 5864.0 | 5867.1 |
| 5° | 5873.4 | 5867.1 | 5870.3 | 5873.4 | 5876.6 | 5870.3 | 5870.3 | 5870.3 | 5876.6 | 5870.3 | 5873.4 |
| 7.5° | 5860.8 | 5857.7 | 5867.1 | 5873.4 | 5870.3 | 5867.1 | 5873.4 | 5870.3 | 5876.6 | 5873.4 | 5879.7 |
| 10° | 5835.6 | 5838.8 | 5845.1 | 5854.5 | 5857.7 | 5860.8 | 5867.1 | 5867.1 | 5876.6 | 5864.0 | 5870.3 |
| 12.5° | 5797.9 | 5810.4 | 5826.2 | 5832.5 | 5845.1 | 5845.1 | 5851.4 | 5854.5 | 5860.8 | 5857.7 | 5867.1 |
| 15° | 5750.7 | 5766.4 | 5785.3 | 5801.0 | 5816.8 | 5826.2 | 5835.6 | 5838.8 | 5848.3 | 5838.8 | 5841.9 |
| 17.5° | 5694.0 | 5712.9 | 5741.2 | 5760.1 | 5785.3 | 5794.7 | 5807.3 | 5813.6 | 5823.1 | 5816.8 | 5819.9 |
| 20° | 5615.3 | 5637.4 | 5668.8 | 5697.1 | 5712.9 | 5734.9 | 5750.7 | 5760.1 | 5766.4 | 5760.1 | 5763.2 |
| 22.5° | 5505.1 | 5536.6 | 5577.5 | 5599.6 | 5631.1 | 5649.9 | 5653.1 | 5675.1 | 5690.8 | 5675.1 | 5681.4 |
| 25° | 5376.1 | 5407.6 | 5439.1 | 5486.3 | 5514.6 | 5536.6 | 5558.7 | 5561.8 | 5577.5 | 5574.4 | 5571.2 |
| 27.5° | 5162.0 | 5203.0 | 5256.5 | 5294.3 | 5332.0 | 5366.7 | 5391.9 | 5398.1 | 5413.9 | 5407.6 | 5410.7 |
| 30° | 4869.3 | 4913.4 | 4963.8 | 5023.6 | 5077.1 | 5111.7 | 5143.2 | 5165.2 | 5180.9 | 5171.5 | 5168.4 |
| 32.5° | 4453.9 | 4497.9 | 4551.4 | 4611.2 | 4674.2 | 4724.5 | 4762.3 | 4790.7 | 4809.5 | 4803.2 | 4787.5 |
| 35° | 3978.6 | 3991.2 | 4025.8 | 4073.0 | 4126.5 | 4180.0 | 4214.7 | 4246.1 | 4268.1 | 4274.4 | 4274.4 |
| 37.5° | 3490.7 | 3449.8 | 3424.6 | 3424.6 | 3456.0 | 3478.1 | 3509.6 | 3528.4 | 3563.1 | 3575.6 | 3585.1 |
| 40° | 3018.5 | 2924.1 | 2836.0 | 2769.9 | 2725.8 | 2722.7 | 2722.7 | 2732.1 | 2763.6 | 2804.5 | 2842.3 |
| 42.5° | 2596.8 | 2445.7 | 2310.3 | 2187.6 | 2099.5 | 2049.1 | 2027.1 | 2030.2 | 2055.4 | 2093.2 | 2156.1 |
| 45° | 2260.0 | 2071.1 | 1901.2 | 1753.2 | 1633.6 | 1554.9 | 1517.1 | 1514.0 | 1532.9 | 1576.9 | 1646.2 |
| 47.5° | 1998.7 | 1797.3 | 1605.3 | 1435.3 | 1306.3 | 1221.3 | 1177.2 | 1164.6 | 1177.2 | 1218.1 | 1300.0 |
| 50° | 1781.5 | 1573.8 | 1375.5 | 1199.2 | 1060.7 | 972.6 | 931.7 | 916.0 | 931.7 | 966.3 | 1048.1 |
| 52.5° | 1580.1 | 1366.0 | 1180.4 | 1010.4 | 862.4 | 786.9 | 742.8 | 733.4 | 742.8 | 783.7 | 849.9 |
| 55° | 1347.2 | 1164.6 | 982.0 | 812.1 | 683.1 | 607.5 | 572.8 | 563.5 | 572.8 | 610.7 | 679.9 |
| 57.5° | 1117.4 | 960.0 | 799.5 | 645.2 | 535.1 | 469.0 | 437.5 | 424.9 | 446.9 | 472.1 | 554.0 |
| 60° | 903.3 | 777.5 | 642.1 | 506.8 | 415.5 | 355.7 | 330.5 | 327.3 | 333.6 | 365.1 | 421.7 |
| 62.5° | 708.2 | 604.3 | 497.3 | 387.2 | 311.6 | 286.4 | 254.9 | 251.8 | 258.1 | 277.0 | 321.1 |
| 65° | 509.9 | 443.8 | 362.0 | 283.3 | 223.5 | 188.8 | 176.3 | 179.4 | 185.7 | 198.3 | 239.2 |
| 67.5° | 355.7 | 308.5 | 251.8 | 198.3 | 154.3 | 138.5 | 125.9 | 122.8 | 125.9 | 147.9 | 170.0 |
| 70° | 239.2 | 210.9 | 170.0 | 151.1 | 107.1 | 85.0 | 88.1 | 78.7 | 91.3 | 91.3 | 110.1 |
| 72.5° | 157.3 | 138.5 | 113.3 | 88.1 | 75.6 | 59.8 | 59.8 | 56.7 | 62.9 | 66.1 | 81.9 |
| 75° | 81.9 | 62.9 | 62.9 | 44.1 | 31.5 | 15.7 | 28.3 | 25.2 | 22.0 | 25.2 | 31.5 |
| 77.5° | 56.7 | 47.2 | 44.1 | 34.7 | 31.5 | 25.2 | 25.2 | 25.2 | 25.2 | 28.3 | 31.5 |
| 80° | 34.7 | 34.7 | 25.2 | 22.0 | 18.9 | 15.7 | 18.9 | 18.9 | 18.9 | 18.9 | 22.0 |
| 82.5° | 22.0 | 18.9 | 18.9 | 15.7 | 15.7 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 18.9 |
| 85° | 18.9 | 12.6 | 12.6 | 9.5 | 12.6 | 22.0 | 9.5 | 12.6 | 12.6 | 12.6 | 9.5 |
| 87.5° | 6.3 | 9.5 | 9.5 | 9.5 | 6.3 | 3.2 | 6.3 | 9.5 | 9.5 | 15.7 | 12.6 |
| 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: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 | 5864.0 |
| 2.5° | 5873.4 | 5876.6 | 5876.6 | 5873.4 | 5873.4 | 5867.1 | 5879.7 | 5870.3 | 5873.4 | 5886.0 | 5876.6 |
| 5° | 5879.7 | 5882.8 | 5882.8 | 5879.7 | 5879.7 | 5879.7 | 5882.8 | 5882.8 | 5879.7 | 5876.6 | 5882.8 |
| 7.5° | 5892.3 | 5889.1 | 5889.1 | 5882.8 | 5882.8 | 5876.6 | 5882.8 | 5873.4 | 5879.7 | 5873.4 | 5882.8 |
| 10° | 5876.6 | 5879.7 | 5876.6 | 5873.4 | 5873.4 | 5870.3 | 5870.3 | 5860.8 | 5864.0 | 5854.5 | 5860.8 |
| 12.5° | 5867.1 | 5864.0 | 5864.0 | 5857.7 | 5851.4 | 5845.1 | 5841.9 | 5832.5 | 5832.5 | 5810.4 | 5819.9 |
| 15° | 5841.9 | 5845.1 | 5835.6 | 5823.1 | 5816.8 | 5801.0 | 5794.7 | 5782.1 | 5769.5 | 5753.8 | 5757.0 |
| 17.5° | 5819.9 | 5810.4 | 5797.9 | 5785.3 | 5760.1 | 5747.5 | 5734.9 | 5716.0 | 5709.7 | 5690.8 | 5684.6 |
| 20° | 5753.8 | 5747.5 | 5731.8 | 5709.7 | 5694.0 | 5665.6 | 5653.1 | 5634.2 | 5618.4 | 5599.6 | 5590.1 |
| 22.5° | 5668.8 | 5662.5 | 5643.6 | 5621.6 | 5596.4 | 5583.9 | 5571.2 | 5536.6 | 5520.9 | 5502.0 | 5498.8 |
| 25° | 5561.8 | 5552.4 | 5533.5 | 5508.3 | 5495.7 | 5461.1 | 5448.5 | 5423.3 | 5417.0 | 5398.1 | 5395.0 |
| 27.5° | 5398.1 | 5385.5 | 5363.5 | 5332.0 | 5310.0 | 5288.0 | 5275.4 | 5256.5 | 5250.2 | 5231.3 | 5228.2 |
| 30° | 5152.6 | 5136.9 | 5092.8 | 5080.2 | 5042.4 | 5020.4 | 5020.4 | 4995.2 | 4998.4 | 4985.8 | 4985.8 |
| 32.5° | 4765.5 | 4740.3 | 4705.6 | 4680.5 | 4655.3 | 4642.7 | 4642.7 | 4633.2 | 4639.6 | 4639.6 | 4645.9 |
| 35° | 4252.4 | 4217.8 | 4198.9 | 4183.2 | 4183.2 | 4195.7 | 4233.5 | 4243.0 | 4261.9 | 4277.6 | 4290.2 |
| 37.5° | 3594.5 | 3591.4 | 3613.5 | 3632.3 | 3679.5 | 3733.1 | 3799.2 | 3855.8 | 3909.3 | 3947.1 | 3984.8 |
| 40° | 2883.2 | 2961.9 | 3024.8 | 3113.0 | 3185.3 | 3289.2 | 3408.8 | 3506.4 | 3597.7 | 3663.8 | 3733.1 |
| 42.5° | 2250.5 | 2351.2 | 2483.5 | 2612.5 | 2741.6 | 2883.2 | 3040.6 | 3175.9 | 3295.5 | 3386.8 | 3459.2 |
| 45° | 1753.2 | 1891.7 | 2052.3 | 2215.9 | 2382.7 | 2559.0 | 2722.7 | 2861.2 | 2987.1 | 3081.5 | 3153.9 |
| 47.5° | 1413.3 | 1564.4 | 1746.9 | 1926.3 | 2115.2 | 2300.9 | 2483.5 | 2603.1 | 2706.9 | 2782.5 | 2848.6 |
| 50° | 1167.7 | 1328.3 | 1520.3 | 1724.9 | 1913.7 | 2099.5 | 2256.8 | 2373.3 | 2458.3 | 2524.4 | 2565.3 |
| 52.5° | 975.7 | 1145.7 | 1350.3 | 1554.9 | 1743.7 | 1913.7 | 2055.4 | 2143.5 | 2212.8 | 2260.0 | 2297.7 |
| 55° | 805.7 | 969.5 | 1161.5 | 1353.5 | 1539.2 | 1699.7 | 1816.1 | 1882.3 | 1935.7 | 1964.1 | 1986.1 |
| 57.5° | 657.9 | 808.9 | 985.2 | 1161.5 | 1322.0 | 1454.2 | 1545.5 | 1611.6 | 1636.8 | 1658.8 | 1655.6 |
| 60° | 516.2 | 657.9 | 818.4 | 969.5 | 1108.0 | 1214.9 | 1281.1 | 1318.8 | 1337.7 | 1347.2 | 1340.9 |
| 62.5° | 406.0 | 535.1 | 657.9 | 790.0 | 890.8 | 982.0 | 1045.0 | 1045.0 | 1054.4 | 1057.6 | 1067.1 |
| 65° | 302.1 | 399.7 | 506.8 | 604.3 | 686.1 | 746.0 | 780.6 | 790.0 | 802.7 | 799.5 | 793.2 |
| 67.5° | 223.5 | 295.9 | 374.5 | 446.9 | 503.6 | 541.4 | 566.5 | 588.6 | 585.5 | 579.2 | 576.0 |
| 70° | 154.3 | 201.5 | 270.7 | 314.8 | 355.7 | 393.5 | 399.7 | 402.9 | 406.0 | 409.2 | 402.9 |
| 72.5° | 107.1 | 141.6 | 179.4 | 217.2 | 242.4 | 258.1 | 273.9 | 277.0 | 277.0 | 277.0 | 273.9 |
| 75° | 53.5 | 72.4 | 107.1 | 122.8 | 144.8 | 151.1 | 163.7 | 163.7 | 173.1 | 160.5 | 157.3 |
| 77.5° | 47.2 | 56.7 | 75.6 | 88.1 | 97.6 | 107.1 | 110.1 | 119.6 | 116.4 | 110.1 | 113.3 |
| 80° | 28.3 | 34.7 | 47.2 | 53.5 | 66.1 | 69.2 | 72.4 | 75.6 | 72.4 | 75.6 | 75.6 |
| 82.5° | 22.0 | 25.2 | 31.5 | 31.5 | 40.9 | 40.9 | 44.1 | 44.1 | 47.2 | 47.2 | 47.2 |
| 85° | 12.6 | 22.0 | 18.9 | 37.7 | 25.2 | 25.2 | 31.5 | 37.7 | 31.5 | 31.5 | 37.7 |
| 87.5° | 12.6 | 12.6 | 9.5 | 12.6 | 12.6 | 12.6 | 15.7 | 18.9 | 18.9 | 22.0 | 18.9 |
| 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: P249230

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 5864.0 | 5864.0 | 5864.0 | 5864.0 |
| 2.5° | 5873.4 | 5879.7 | 5870.3 | 5867.1 |
| 5° | 5882.8 | 5882.8 | 5876.6 | 5876.6 |
| 7.5° | 5882.8 | 5882.8 | 5873.4 | 5867.1 |
| 10° | 5857.7 | 5857.7 | 5848.3 | 5841.9 |
| 12.5° | 5810.4 | 5810.4 | 5807.3 | 5797.9 |
| 15° | 5750.7 | 5750.7 | 5738.0 | 5728.6 |
| 17.5° | 5668.8 | 5675.1 | 5659.4 | 5659.4 |
| 20° | 5580.7 | 5577.5 | 5565.0 | 5558.7 |
| 22.5° | 5489.4 | 5483.1 | 5480.0 | 5461.1 |
| 25° | 5391.9 | 5385.5 | 5376.1 | 5366.7 |
| 27.5° | 5225.0 | 5221.9 | 5212.4 | 5199.8 |
| 30° | 4970.0 | 4966.9 | 4954.3 | 4954.3 |
| 32.5° | 4639.6 | 4636.4 | 4623.8 | 4627.0 |
| 35° | 4296.4 | 4309.1 | 4302.8 | 4290.2 |
| 37.5° | 4010.0 | 4019.5 | 4025.8 | 4019.5 |
| 40° | 3770.8 | 3799.2 | 3802.3 | 3808.6 |
| 42.5° | 3515.9 | 3553.6 | 3566.3 | 3572.5 |
| 45° | 3210.5 | 3245.2 | 3273.5 | 3267.2 |
| 47.5° | 2898.9 | 2924.1 | 2949.3 | 2930.4 |
| 50° | 2599.9 | 2615.6 | 2625.1 | 2625.1 |
| 52.5° | 2316.7 | 2316.7 | 2313.5 | 2316.7 |
| 55° | 1992.4 | 1992.4 | 1979.9 | 1986.1 |
| 57.5° | 1652.5 | 1658.8 | 1649.3 | 1633.6 |
| 60° | 1337.7 | 1322.0 | 1315.7 | 1306.3 |
| 62.5° | 1041.9 | 1041.9 | 1019.9 | 1048.1 |
| 65° | 780.6 | 771.2 | 761.7 | 758.5 |
| 67.5° | 566.5 | 563.5 | 554.0 | 550.8 |
| 70° | 399.7 | 387.2 | 384.0 | 377.7 |
| 72.5° | 267.6 | 267.6 | 261.2 | 261.2 |
| 75° | 163.7 | 147.9 | 144.8 | 147.9 |
| 77.5° | 113.3 | 110.1 | 110.1 | 107.1 |
| 80° | 75.6 | 72.4 | 78.7 | 69.2 |
| 82.5° | 47.2 | 50.4 | 47.2 | 50.4 |
| 85° | 31.5 | 37.7 | 34.7 | 34.7 |
| 87.5° | 18.9 | 18.9 | 18.9 | 18.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)