

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: P249160

Luminaire Tested: **LD8B150D010 ER8B150940 8LBDW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249160
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: LD8B150D010 ER8B150940 8LBDW0H
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14666.0 lumens
Efficiency: N/A
Efficacy: 92.5 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

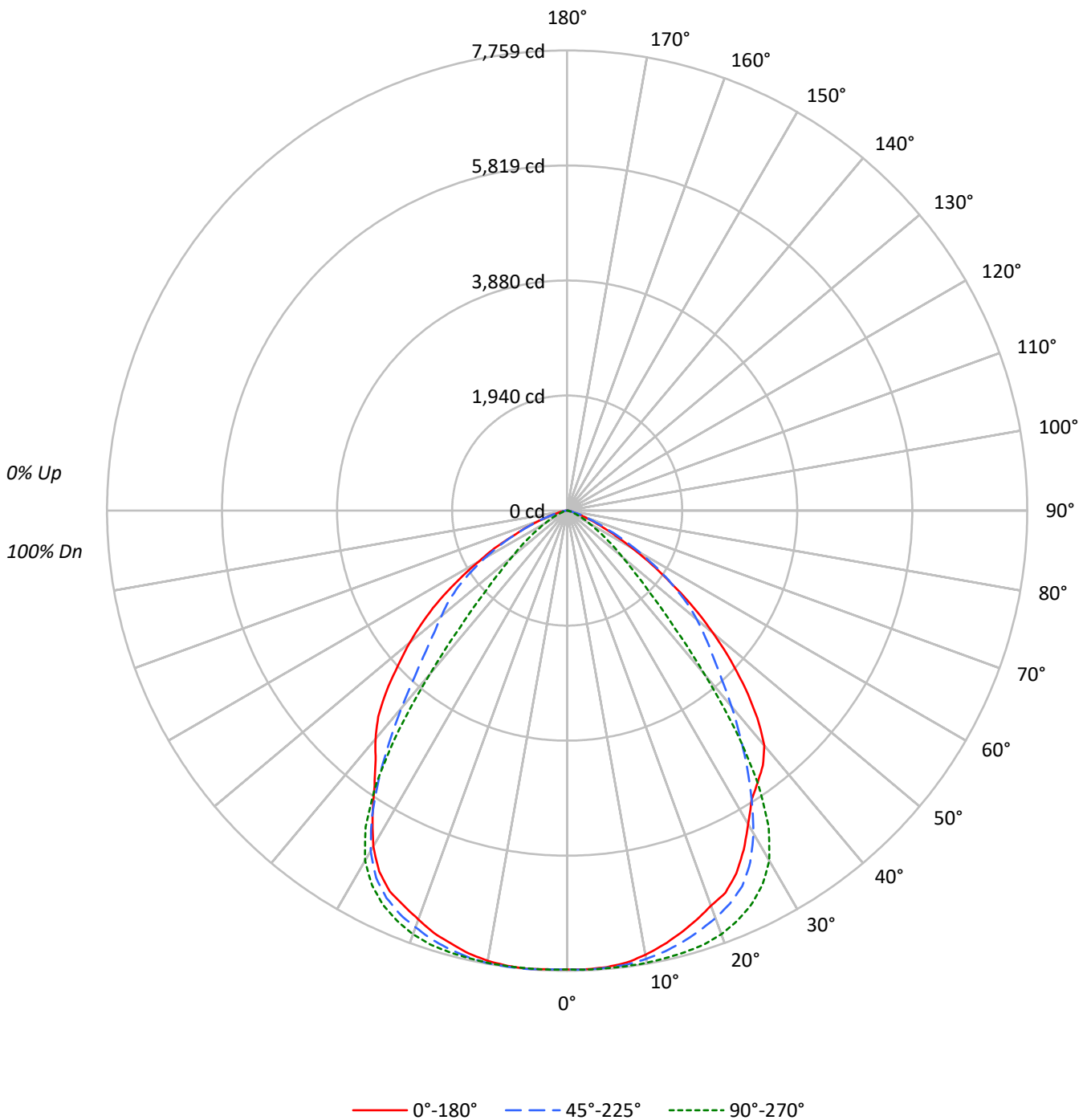
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

Luminous Intensity Polar Plot





TEST NUMBER: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

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° | 238614 | 238614 | 238614 |
| 5° | 239139 | 239783 | 240040 |
| 10° | 238131 | 242424 | 241384 |
| 15° | 235495 | 245969 | 241330 |
| 20° | 232667 | 249429 | 240707 |
| 25° | 229646 | 249717 | 240952 |
| 30° | 217258 | 242695 | 232786 |
| 35° | 210770 | 210924 | 213115 |
| 40° | 208161 | 145128 | 202308 |
| 45° | 185478 | 87127 | 188016 |
| 50° | 154228 | 57985 | 166183 |
| 55° | 115668 | 39972 | 140903 |
| 60° | 78386 | 26636 | 106311 |
| 65° | 47281 | 17278 | 73038 |
| 70° | 26218 | 9368 | 44935 |
| 75° | 11878 | 3956 | 23257 |
| 80° | 10317 | 4422 | 16231 |
| 85° | 11746 | 5873 | 16169 |



TEST NUMBER: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 738.5 | 5.0 |
| 10°-20° | 2144.7 | 14.6 |
| 20°-30° | 3255.2 | 22.2 |
| 30°-40° | 3418.9 | 23.3 |
| 40°-50° | 2563.3 | 17.5 |
| 50°-60° | 1644.7 | 11.2 |
| 60°-70° | 703.6 | 4.8 |
| 70°-80° | 166.2 | 1.1 |
| 80°-90° | 30.9 | 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° | 6138.4 | 41.9 |
| 0°-40° | 9557.3 | 65.2 |
| 0°-60° | 13765.3 | 93.9 |
| 0°-90° | 14666.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 14666.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 7738 | 7738 | 7738 | 7738 | 7738 | |
| 5° | 7726 | 7738 | 7746 | 7759 | 7755 | 734 |
| 15° | 7377 | 7530 | 7705 | 7655 | 7560 | 2081 |
| 25° | 6750 | 6986 | 7339 | 7206 | 7082 | 3083 |
| 35° | 5599 | 5287 | 5603 | 5537 | 5661 | 3514 |
| 45° | 4253 | 3476 | 1998 | 3377 | 4311 | 3257 |
| 55° | 2152 | 2152 | 744 | 2243 | 2621 | 1952 |
| 65° | 648 | 764 | 237 | 984 | 1001 | 692 |
| 75° | 100 | 116 | 33 | 199 | 195 | 145 |
| 85° | 33 | 21 | 17 | 33 | 46 | 35 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 |
| 2.5° | 7742.2 | 7750.6 | 7746.4 | 7746.4 | 7742.2 | 7746.4 | 7746.4 | 7754.7 | 7754.7 | 7746.4 | 7742.2 |
| 5° | 7725.6 | 7733.9 | 7733.9 | 7725.6 | 7725.6 | 7746.4 | 7733.9 | 7742.2 | 7742.2 | 7738.1 | 7738.1 |
| 7.5° | 7688.3 | 7688.3 | 7704.8 | 7692.4 | 7692.4 | 7704.8 | 7700.7 | 7709.0 | 7717.3 | 7721.5 | 7721.5 |
| 10° | 7605.1 | 7613.5 | 7617.6 | 7617.6 | 7621.8 | 7634.2 | 7642.5 | 7659.2 | 7667.4 | 7675.8 | 7679.9 |
| 12.5° | 7501.4 | 7513.8 | 7517.9 | 7513.8 | 7526.3 | 7542.8 | 7563.7 | 7584.4 | 7596.9 | 7613.5 | 7626.0 |
| 15° | 7376.7 | 7376.7 | 7385.0 | 7397.5 | 7405.8 | 7430.7 | 7451.5 | 7476.4 | 7509.6 | 7530.4 | 7551.2 |
| 17.5° | 7239.7 | 7248.0 | 7260.4 | 7260.4 | 7277.1 | 7318.5 | 7331.0 | 7368.4 | 7405.8 | 7426.6 | 7468.1 |
| 20° | 7090.2 | 7098.4 | 7110.9 | 7119.2 | 7140.0 | 7173.2 | 7198.1 | 7231.3 | 7272.9 | 7310.3 | 7351.8 |
| 22.5° | 6973.8 | 6957.2 | 6965.5 | 6973.8 | 6994.6 | 7023.7 | 7052.8 | 7094.2 | 7135.8 | 7173.2 | 7214.8 |
| 25° | 6749.5 | 6753.7 | 6766.2 | 6774.4 | 6799.4 | 6824.3 | 6857.5 | 6907.3 | 6944.7 | 6986.3 | 7031.9 |
| 27.5° | 6446.3 | 6450.5 | 6471.2 | 6471.2 | 6492.0 | 6533.5 | 6554.3 | 6595.8 | 6645.7 | 6687.2 | 6741.3 |
| 30° | 6101.6 | 6109.8 | 6109.8 | 6126.5 | 6138.9 | 6159.7 | 6180.5 | 6222.0 | 6246.9 | 6284.3 | 6359.1 |
| 32.5° | 5785.9 | 5794.2 | 5790.0 | 5785.9 | 5773.4 | 5769.3 | 5765.1 | 5773.4 | 5781.8 | 5794.2 | 5823.2 |
| 35° | 5599.0 | 5578.2 | 5561.6 | 5532.6 | 5499.3 | 5457.8 | 5420.4 | 5370.6 | 5324.8 | 5287.4 | 5246.0 |
| 37.5° | 5420.4 | 5416.2 | 5391.3 | 5349.7 | 5283.3 | 5208.6 | 5121.4 | 5013.3 | 4905.3 | 4789.0 | 4676.9 |
| 40° | 5171.2 | 5158.7 | 5137.9 | 5079.8 | 5005.0 | 4913.6 | 4797.4 | 4664.4 | 4490.0 | 4311.4 | 4128.7 |
| 42.5° | 4747.5 | 4751.6 | 4726.7 | 4681.0 | 4610.5 | 4523.2 | 4402.8 | 4257.4 | 4070.5 | 3858.6 | 3621.9 |
| 45° | 4253.2 | 4253.2 | 4244.9 | 4207.5 | 4157.7 | 4087.1 | 3995.7 | 3875.3 | 3692.6 | 3476.5 | 3223.1 |
| 47.5° | 3738.2 | 3742.4 | 3729.9 | 3721.6 | 3700.8 | 3655.2 | 3588.7 | 3497.3 | 3368.6 | 3160.8 | 2907.5 |
| 50° | 3214.9 | 3214.9 | 3235.6 | 3231.5 | 3231.5 | 3214.9 | 3185.8 | 3131.8 | 3019.7 | 2853.5 | 2616.8 |
| 52.5° | 2691.5 | 2699.8 | 2712.3 | 2728.9 | 2749.6 | 2782.9 | 2749.6 | 2724.7 | 2654.1 | 2525.3 | 2321.9 |
| 55° | 2151.5 | 2159.9 | 2180.6 | 2209.7 | 2234.7 | 2267.9 | 2276.1 | 2276.1 | 2238.7 | 2151.5 | 1997.9 |
| 57.5° | 1690.5 | 1678.0 | 1694.7 | 1719.6 | 1752.8 | 1786.1 | 1811.0 | 1840.0 | 1835.9 | 1777.7 | 1653.1 |
| 60° | 1271.0 | 1275.2 | 1287.6 | 1312.6 | 1337.5 | 1366.5 | 1399.8 | 1424.7 | 1437.2 | 1408.1 | 1329.1 |
| 62.5° | 926.3 | 926.3 | 942.8 | 967.7 | 980.2 | 1021.8 | 1042.5 | 1055.0 | 1067.4 | 1063.3 | 1013.5 |
| 65° | 648.0 | 656.2 | 664.6 | 677.1 | 689.5 | 714.4 | 726.9 | 751.8 | 760.1 | 764.3 | 726.9 |
| 67.5° | 456.9 | 444.4 | 452.8 | 461.0 | 473.5 | 490.2 | 515.1 | 515.1 | 527.5 | 527.5 | 502.6 |
| 70° | 290.8 | 290.8 | 294.9 | 307.3 | 315.7 | 319.8 | 328.2 | 336.4 | 348.9 | 344.7 | 344.7 |
| 72.5° | 195.2 | 191.1 | 195.2 | 199.4 | 203.6 | 216.0 | 216.0 | 220.1 | 228.5 | 232.6 | 216.0 |
| 75° | 99.7 | 103.9 | 112.1 | 108.0 | 120.4 | 112.1 | 116.3 | 128.8 | 124.6 | 116.3 | 116.3 |
| 77.5° | 83.0 | 83.0 | 83.0 | 79.0 | 87.2 | 87.2 | 83.0 | 91.4 | 87.2 | 87.2 | 83.0 |
| 80° | 58.1 | 62.3 | 58.1 | 54.0 | 58.1 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 49.8 |
| 82.5° | 45.7 | 37.4 | 41.6 | 37.4 | 41.6 | 41.6 | 37.4 | 33.2 | 33.2 | 37.4 | 33.2 |
| 85° | 33.2 | 24.9 | 29.1 | 29.1 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 20.7 | 20.7 |
| 87.5° | 20.7 | 12.5 | 12.5 | 12.5 | 16.6 | 16.6 | 16.6 | 12.5 | 16.6 | 16.6 | 8.3 |
| 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: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 |
| 2.5° | 7750.6 | 7746.4 | 7754.7 | 7750.6 | 7750.6 | 7746.4 | 7750.6 | 7746.4 | 7754.7 | 7738.1 | 7742.2 |
| 5° | 7750.6 | 7742.2 | 7746.4 | 7750.6 | 7754.7 | 7746.4 | 7746.4 | 7746.4 | 7754.7 | 7746.4 | 7750.6 |
| 7.5° | 7733.9 | 7729.7 | 7742.2 | 7750.6 | 7746.4 | 7742.2 | 7750.6 | 7746.4 | 7754.7 | 7750.6 | 7758.8 |
| 10° | 7700.7 | 7704.8 | 7713.2 | 7725.6 | 7729.7 | 7733.9 | 7742.2 | 7742.2 | 7754.7 | 7738.1 | 7746.4 |
| 12.5° | 7650.9 | 7667.4 | 7688.3 | 7696.5 | 7713.2 | 7713.2 | 7721.5 | 7725.6 | 7733.9 | 7729.7 | 7742.2 |
| 15° | 7588.6 | 7609.3 | 7634.2 | 7655.0 | 7675.8 | 7688.3 | 7700.7 | 7704.8 | 7717.3 | 7704.8 | 7709.0 |
| 17.5° | 7513.8 | 7538.7 | 7576.1 | 7601.0 | 7634.2 | 7646.7 | 7663.3 | 7671.6 | 7684.1 | 7675.8 | 7679.9 |
| 20° | 7409.9 | 7439.1 | 7480.5 | 7517.9 | 7538.7 | 7567.7 | 7588.6 | 7601.0 | 7609.3 | 7601.0 | 7605.1 |
| 22.5° | 7264.6 | 7306.1 | 7360.1 | 7389.2 | 7430.7 | 7455.6 | 7459.8 | 7488.9 | 7509.6 | 7488.9 | 7497.2 |
| 25° | 7094.2 | 7135.8 | 7177.4 | 7239.7 | 7277.1 | 7306.1 | 7335.2 | 7339.4 | 7360.1 | 7355.9 | 7351.8 |
| 27.5° | 6811.8 | 6865.9 | 6936.4 | 6986.3 | 7036.1 | 7081.8 | 7115.1 | 7123.3 | 7144.1 | 7135.8 | 7140.0 |
| 30° | 6425.5 | 6483.7 | 6550.2 | 6629.1 | 6699.7 | 6745.3 | 6786.9 | 6816.0 | 6836.7 | 6824.3 | 6820.1 |
| 32.5° | 5877.3 | 5935.4 | 6006.1 | 6084.9 | 6168.1 | 6234.4 | 6284.3 | 6321.7 | 6346.6 | 6338.3 | 6317.6 |
| 35° | 5250.1 | 5266.7 | 5312.4 | 5374.7 | 5445.3 | 5515.9 | 5561.6 | 5603.1 | 5632.2 | 5640.5 | 5640.5 |
| 37.5° | 4606.3 | 4552.3 | 4519.1 | 4519.1 | 4560.6 | 4589.6 | 4631.2 | 4656.1 | 4701.8 | 4718.4 | 4730.9 |
| 40° | 3983.2 | 3858.6 | 3742.4 | 3655.2 | 3597.0 | 3592.9 | 3592.9 | 3605.3 | 3646.8 | 3700.8 | 3750.7 |
| 42.5° | 3426.7 | 3227.3 | 3048.7 | 2886.7 | 2770.5 | 2704.0 | 2674.9 | 2679.1 | 2712.3 | 2762.1 | 2845.2 |
| 45° | 2982.3 | 2733.1 | 2508.8 | 2313.5 | 2155.7 | 2051.8 | 2002.0 | 1997.9 | 2022.8 | 2080.9 | 2172.4 |
| 47.5° | 2637.5 | 2371.7 | 2118.3 | 1894.0 | 1723.8 | 1611.6 | 1553.4 | 1536.9 | 1553.4 | 1607.4 | 1715.4 |
| 50° | 2350.9 | 2076.8 | 1815.1 | 1582.5 | 1399.8 | 1283.5 | 1229.4 | 1208.7 | 1229.4 | 1275.2 | 1383.1 |
| 52.5° | 2085.1 | 1802.6 | 1557.6 | 1333.3 | 1138.1 | 1038.4 | 980.2 | 967.7 | 980.2 | 1034.2 | 1121.5 |
| 55° | 1777.7 | 1536.9 | 1295.9 | 1071.6 | 901.4 | 801.7 | 755.9 | 743.5 | 755.9 | 805.8 | 897.2 |
| 57.5° | 1474.6 | 1266.8 | 1055.0 | 851.5 | 706.1 | 618.8 | 577.4 | 560.7 | 589.8 | 623.0 | 731.0 |
| 60° | 1192.0 | 1026.0 | 847.3 | 668.7 | 548.3 | 469.3 | 436.1 | 431.9 | 440.3 | 481.8 | 556.5 |
| 62.5° | 934.6 | 797.5 | 656.2 | 510.9 | 411.2 | 378.0 | 336.4 | 332.3 | 340.6 | 365.5 | 423.7 |
| 65° | 672.9 | 585.7 | 477.7 | 373.8 | 294.9 | 249.2 | 232.6 | 236.8 | 245.0 | 261.7 | 315.7 |
| 67.5° | 469.3 | 407.0 | 332.3 | 261.7 | 203.6 | 182.7 | 166.2 | 162.0 | 166.2 | 195.2 | 224.3 |
| 70° | 315.7 | 278.3 | 224.3 | 199.4 | 141.3 | 112.1 | 116.3 | 103.9 | 120.4 | 120.4 | 145.3 |
| 72.5° | 207.6 | 182.7 | 149.5 | 116.3 | 99.7 | 79.0 | 79.0 | 74.8 | 83.0 | 87.2 | 108.0 |
| 75° | 108.0 | 83.0 | 83.0 | 58.1 | 41.6 | 20.7 | 37.4 | 33.2 | 29.1 | 33.2 | 41.6 |
| 77.5° | 74.8 | 62.3 | 58.1 | 45.7 | 41.6 | 33.2 | 33.2 | 33.2 | 33.2 | 37.4 | 41.6 |
| 80° | 45.7 | 45.7 | 33.2 | 29.1 | 24.9 | 20.7 | 24.9 | 24.9 | 24.9 | 24.9 | 29.1 |
| 82.5° | 29.1 | 24.9 | 24.9 | 20.7 | 20.7 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 24.9 |
| 85° | 24.9 | 16.6 | 16.6 | 12.5 | 16.6 | 29.1 | 12.5 | 16.6 | 16.6 | 16.6 | 12.5 |
| 87.5° | 8.3 | 12.5 | 12.5 | 12.5 | 8.3 | 4.2 | 8.3 | 12.5 | 12.5 | 20.7 | 16.6 |
| 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: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 | 7738.1 |
| 2.5° | 7750.6 | 7754.7 | 7754.7 | 7750.6 | 7750.6 | 7742.2 | 7758.8 | 7746.4 | 7750.6 | 7767.1 | 7754.7 |
| 5° | 7758.8 | 7763.0 | 7763.0 | 7758.8 | 7758.8 | 7758.8 | 7763.0 | 7763.0 | 7758.8 | 7754.7 | 7763.0 |
| 7.5° | 7775.5 | 7771.3 | 7771.3 | 7763.0 | 7763.0 | 7754.7 | 7763.0 | 7750.6 | 7758.8 | 7750.6 | 7763.0 |
| 10° | 7754.7 | 7758.8 | 7754.7 | 7750.6 | 7750.6 | 7746.4 | 7746.4 | 7733.9 | 7738.1 | 7725.6 | 7733.9 |
| 12.5° | 7742.2 | 7738.1 | 7738.1 | 7729.7 | 7721.5 | 7713.2 | 7709.0 | 7696.5 | 7696.5 | 7667.4 | 7679.9 |
| 15° | 7709.0 | 7713.2 | 7700.7 | 7684.1 | 7675.8 | 7655.0 | 7646.7 | 7630.0 | 7613.5 | 7592.7 | 7596.9 |
| 17.5° | 7679.9 | 7667.4 | 7650.9 | 7634.2 | 7601.0 | 7584.4 | 7567.7 | 7542.8 | 7534.5 | 7509.6 | 7501.4 |
| 20° | 7592.7 | 7584.4 | 7563.7 | 7534.5 | 7513.8 | 7476.4 | 7459.8 | 7434.9 | 7414.1 | 7389.2 | 7376.7 |
| 22.5° | 7480.5 | 7472.2 | 7447.3 | 7418.2 | 7385.0 | 7368.4 | 7351.8 | 7306.1 | 7285.3 | 7260.4 | 7256.2 |
| 25° | 7339.4 | 7326.9 | 7302.0 | 7268.7 | 7252.1 | 7206.4 | 7189.8 | 7156.5 | 7148.3 | 7123.3 | 7119.2 |
| 27.5° | 7123.3 | 7106.7 | 7077.7 | 7036.1 | 7007.0 | 6978.0 | 6961.4 | 6936.4 | 6928.2 | 6903.2 | 6899.1 |
| 30° | 6799.4 | 6778.6 | 6720.4 | 6703.9 | 6654.0 | 6624.9 | 6624.9 | 6591.7 | 6595.8 | 6579.3 | 6579.3 |
| 32.5° | 6288.5 | 6255.3 | 6209.5 | 6176.3 | 6143.1 | 6126.5 | 6126.5 | 6114.0 | 6122.3 | 6122.3 | 6130.7 |
| 35° | 5611.4 | 5565.8 | 5540.8 | 5520.1 | 5520.1 | 5536.6 | 5586.5 | 5599.0 | 5623.9 | 5644.7 | 5661.3 |
| 37.5° | 4743.3 | 4739.2 | 4768.3 | 4793.2 | 4855.5 | 4926.1 | 5013.3 | 5088.1 | 5158.7 | 5208.6 | 5258.4 |
| 40° | 3804.7 | 3908.5 | 3991.6 | 4107.9 | 4203.4 | 4340.5 | 4498.3 | 4627.0 | 4747.5 | 4834.8 | 4926.1 |
| 42.5° | 2969.8 | 3102.7 | 3277.2 | 3447.4 | 3617.8 | 3804.7 | 4012.4 | 4191.0 | 4348.8 | 4469.2 | 4564.7 |
| 45° | 2313.5 | 2496.3 | 2708.2 | 2924.1 | 3144.3 | 3376.9 | 3592.9 | 3775.6 | 3941.8 | 4066.4 | 4161.9 |
| 47.5° | 1864.9 | 2064.3 | 2305.2 | 2542.0 | 2791.2 | 3036.2 | 3277.2 | 3435.0 | 3572.0 | 3671.7 | 3759.0 |
| 50° | 1540.9 | 1752.8 | 2006.2 | 2276.1 | 2525.3 | 2770.5 | 2978.1 | 3131.8 | 3244.0 | 3331.2 | 3385.1 |
| 52.5° | 1287.6 | 1511.9 | 1781.9 | 2051.8 | 2301.0 | 2525.3 | 2712.3 | 2828.6 | 2920.0 | 2982.3 | 3032.1 |
| 55° | 1063.3 | 1279.3 | 1532.7 | 1786.1 | 2031.1 | 2242.9 | 2396.6 | 2483.9 | 2554.4 | 2591.8 | 2620.9 |
| 57.5° | 868.1 | 1067.4 | 1300.1 | 1532.7 | 1744.5 | 1919.0 | 2039.4 | 2126.6 | 2159.9 | 2188.9 | 2184.8 |
| 60° | 681.2 | 868.1 | 1079.9 | 1279.3 | 1462.1 | 1603.2 | 1690.5 | 1740.3 | 1765.2 | 1777.7 | 1769.4 |
| 62.5° | 535.8 | 706.1 | 868.1 | 1042.5 | 1175.5 | 1295.9 | 1379.0 | 1379.0 | 1391.4 | 1395.6 | 1408.1 |
| 65° | 398.7 | 527.5 | 668.7 | 797.5 | 905.4 | 984.4 | 1030.1 | 1042.5 | 1059.2 | 1055.0 | 1046.7 |
| 67.5° | 294.9 | 390.5 | 494.2 | 589.8 | 664.6 | 714.4 | 747.6 | 776.8 | 772.6 | 764.3 | 760.1 |
| 70° | 203.6 | 265.9 | 357.2 | 415.4 | 469.3 | 519.2 | 527.5 | 531.6 | 535.8 | 540.0 | 531.6 |
| 72.5° | 141.3 | 186.9 | 236.8 | 286.6 | 319.8 | 340.6 | 361.4 | 365.5 | 365.5 | 365.5 | 361.4 |
| 75° | 70.6 | 95.5 | 141.3 | 162.0 | 191.1 | 199.4 | 216.0 | 216.0 | 228.5 | 211.8 | 207.6 |
| 77.5° | 62.3 | 74.8 | 99.7 | 116.3 | 128.8 | 141.3 | 145.3 | 157.8 | 153.7 | 145.3 | 149.5 |
| 80° | 37.4 | 45.7 | 62.3 | 70.6 | 87.2 | 91.4 | 95.5 | 99.7 | 95.5 | 99.7 | 99.7 |
| 82.5° | 29.1 | 33.2 | 41.6 | 41.6 | 54.0 | 54.0 | 58.1 | 58.1 | 62.3 | 62.3 | 62.3 |
| 85° | 16.6 | 29.1 | 24.9 | 49.8 | 33.2 | 33.2 | 41.6 | 49.8 | 41.6 | 41.6 | 49.8 |
| 87.5° | 16.6 | 16.6 | 12.5 | 16.6 | 16.6 | 16.6 | 20.7 | 24.9 | 24.9 | 29.1 | 24.9 |
| 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: P249160

CATALOG NUMBER: LD8B150D010 ER8B150940 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 7738.1 | 7738.1 | 7738.1 | 7738.1 |
| 2.5° | 7750.6 | 7758.8 | 7746.4 | 7742.2 |
| 5° | 7763.0 | 7763.0 | 7754.7 | 7754.7 |
| 7.5° | 7763.0 | 7763.0 | 7750.6 | 7742.2 |
| 10° | 7729.7 | 7729.7 | 7717.3 | 7709.0 |
| 12.5° | 7667.4 | 7667.4 | 7663.3 | 7650.9 |
| 15° | 7588.6 | 7588.6 | 7571.9 | 7559.5 |
| 17.5° | 7480.5 | 7488.9 | 7468.1 | 7468.1 |
| 20° | 7364.3 | 7360.1 | 7343.5 | 7335.2 |
| 22.5° | 7243.8 | 7235.5 | 7231.3 | 7206.4 |
| 25° | 7115.1 | 7106.7 | 7094.2 | 7081.8 |
| 27.5° | 6894.9 | 6890.8 | 6878.3 | 6861.7 |
| 30° | 6558.4 | 6554.3 | 6537.7 | 6537.7 |
| 32.5° | 6122.3 | 6118.2 | 6101.6 | 6105.8 |
| 35° | 5669.6 | 5686.2 | 5677.9 | 5661.3 |
| 37.5° | 5291.6 | 5304.1 | 5312.4 | 5304.1 |
| 40° | 4975.9 | 5013.3 | 5017.5 | 5025.8 |
| 42.5° | 4639.5 | 4689.3 | 4706.0 | 4714.2 |
| 45° | 4236.6 | 4282.3 | 4319.7 | 4311.4 |
| 47.5° | 3825.4 | 3858.6 | 3891.9 | 3867.0 |
| 50° | 3430.9 | 3451.6 | 3464.1 | 3464.1 |
| 52.5° | 3057.1 | 3057.1 | 3052.9 | 3057.1 |
| 55° | 2629.2 | 2629.2 | 2612.6 | 2620.9 |
| 57.5° | 2180.6 | 2188.9 | 2176.4 | 2155.7 |
| 60° | 1765.2 | 1744.5 | 1736.2 | 1723.8 |
| 62.5° | 1374.9 | 1374.9 | 1345.8 | 1383.1 |
| 65° | 1030.1 | 1017.6 | 1005.1 | 1001.0 |
| 67.5° | 747.6 | 743.5 | 731.0 | 726.9 |
| 70° | 527.5 | 510.9 | 506.7 | 498.4 |
| 72.5° | 353.1 | 353.1 | 344.7 | 344.7 |
| 75° | 216.0 | 195.2 | 191.1 | 195.2 |
| 77.5° | 149.5 | 145.3 | 145.3 | 141.3 |
| 80° | 99.7 | 95.5 | 103.9 | 91.4 |
| 82.5° | 62.3 | 66.5 | 62.3 | 66.5 |
| 85° | 41.6 | 49.8 | 45.7 | 45.7 |
| 87.5° | 24.9 | 24.9 | 24.9 | 24.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)