

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: P251199

Luminaire Tested: **LD8B70D010 ER8B70830 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70830 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7380.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

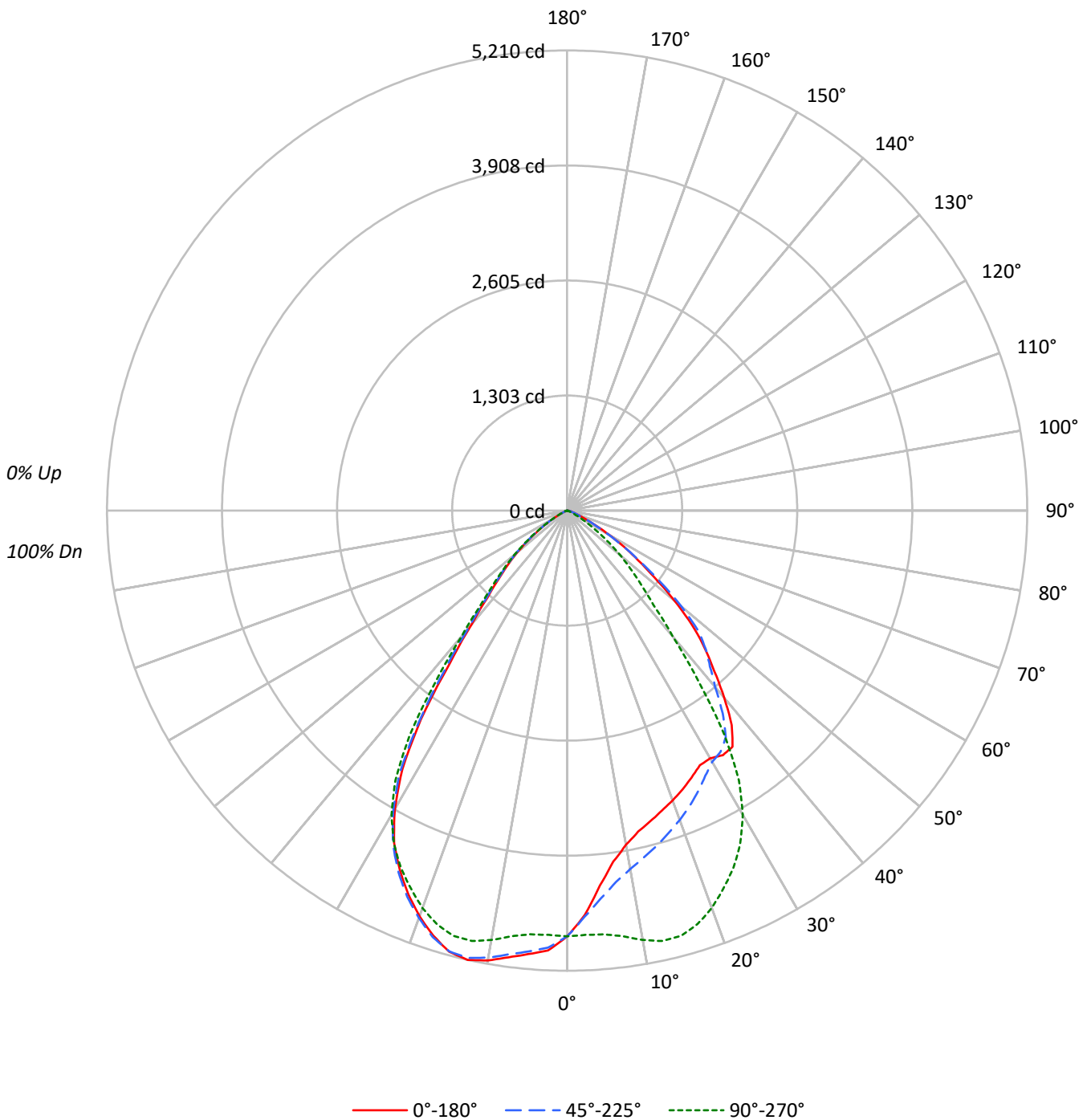
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 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 | 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 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | | 91 | | | |
| 2 | 105 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 88 | 86 | 84 | 82 | | | | | 82 | | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | | | | | 74 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 68 | 67 | | | | | 67 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 66 | 63 | 70 | 65 | 62 | 60 | | | | | 60 | | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | | | 55 | | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | | 50 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 47 | 46 | | | | | 46 | | | |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | | | | 42 | | | |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 49 | 44 | 40 | 39 | | | | | 39 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 148668 | 148668 | 148668 |
| 5° | 131905 | 149041 | 156018 |
| 10° | 120260 | 154572 | 161949 |
| 15° | 116223 | 159087 | 165035 |
| 20° | 114562 | 157130 | 160372 |
| 25° | 113440 | 151710 | 152659 |
| 30° | 115287 | 141583 | 138966 |
| 35° | 122886 | 117164 | 108675 |
| 40° | 111367 | 75009 | 67920 |
| 45° | 96119 | 51319 | 47783 |
| 50° | 75840 | 37433 | 35246 |
| 55° | 52643 | 23021 | 21655 |
| 60° | 33513 | 11638 | 10392 |
| 65° | 16731 | 4619 | 3510 |
| 70° | 9250 | 2281 | 1253 |
| 75° | 6636 | 1656 | 608 |
| 80° | 5398 | 1119 | 231 |
| 85° | 5838 | 885 | 0 |



TEST NUMBER: P251199

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 449.3 | 6.1 |
| 10°-20° | 1297.9 | 17.6 |
| 20°-30° | 1883.7 | 25.5 |
| 30°-40° | 1855.3 | 25.1 |
| 40°-50° | 1163.0 | 15.8 |
| 50°-60° | 561.2 | 7.6 |
| 60°-70° | 135.8 | 1.8 |
| 70°-80° | 27.4 | 0.4 |
| 80°-90° | 6.3 | 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° | 3631.0 | 49.2 |
| 0°-40° | 5486.3 | 74.3 |
| 0°-60° | 7210.5 | 97.7 |
| 0°-90° | 7380.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7380.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4821 | 4821 | 4821 | 4821 | 4821 | |
| 5° | 4261 | 4406 | 4815 | 5010 | 5040 | 394 |
| 15° | 3641 | 3927 | 4983 | 5166 | 5170 | 1029 |
| 25° | 3334 | 3508 | 4459 | 4520 | 4487 | 1543 |
| 35° | 3264 | 3131 | 3112 | 2935 | 2887 | 1975 |
| 45° | 2204 | 2219 | 1177 | 1127 | 1096 | 1685 |
| 55° | 979 | 1011 | 428 | 423 | 403 | 901 |
| 65° | 229 | 227 | 63 | 54 | 48 | 262 |
| 75° | 56 | 48 | 14 | 6 | 5 | 63 |
| 85° | 16 | 13 | 2 | 0 | 0 | 17 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 |
| 2.5° | 4583.1 | 4553.9 | 4499.5 | 4565.3 | 4565.3 | 4528.6 | 4602.1 | 4557.7 | 4593.2 | 4648.9 | 4599.5 |
| 5° | 4261.3 | 4237.2 | 4191.6 | 4261.3 | 4270.2 | 4236.0 | 4324.6 | 4291.7 | 4343.6 | 4412.0 | 4405.7 |
| 7.5° | 4006.7 | 3976.3 | 3934.5 | 4006.7 | 4020.6 | 3997.8 | 4082.7 | 4067.5 | 4135.9 | 4224.6 | 4239.8 |
| 10° | 3840.7 | 3809.1 | 3772.3 | 3838.2 | 3848.3 | 3833.1 | 3919.3 | 3910.4 | 3977.6 | 4080.2 | 4120.7 |
| 12.5° | 3722.9 | 3696.3 | 3655.8 | 3725.5 | 3736.9 | 3715.3 | 3796.4 | 3792.6 | 3862.3 | 3970.0 | 4020.6 |
| 15° | 3640.6 | 3608.9 | 3572.2 | 3631.7 | 3646.9 | 3622.9 | 3700.1 | 3692.5 | 3763.5 | 3869.9 | 3926.9 |
| 17.5° | 3563.3 | 3534.2 | 3496.2 | 3551.9 | 3567.1 | 3541.8 | 3617.8 | 3605.1 | 3665.9 | 3767.3 | 3825.5 |
| 20° | 3491.1 | 3459.5 | 3425.3 | 3482.3 | 3491.1 | 3462.0 | 3538.0 | 3521.5 | 3576.0 | 3669.7 | 3726.7 |
| 22.5° | 3416.4 | 3383.5 | 3348.0 | 3403.7 | 3412.6 | 3383.5 | 3453.1 | 3434.1 | 3484.8 | 3569.7 | 3621.6 |
| 25° | 3334.1 | 3303.7 | 3268.2 | 3320.1 | 3327.7 | 3296.1 | 3369.5 | 3345.5 | 3389.8 | 3464.5 | 3507.6 |
| 27.5° | 3251.7 | 3222.6 | 3183.3 | 3236.5 | 3240.3 | 3209.9 | 3277.1 | 3244.1 | 3280.9 | 3349.3 | 3386.0 |
| 30° | 3237.8 | 3204.8 | 3164.3 | 3207.4 | 3208.6 | 3169.4 | 3232.7 | 3193.4 | 3213.7 | 3264.4 | 3285.9 |
| 32.5° | 3282.1 | 3249.2 | 3207.4 | 3242.8 | 3239.0 | 3196.0 | 3256.8 | 3208.6 | 3215.0 | 3241.6 | 3236.5 |
| 35° | 3264.4 | 3225.1 | 3175.7 | 3213.7 | 3213.7 | 3161.8 | 3222.6 | 3165.6 | 3159.2 | 3163.0 | 3131.4 |
| 37.5° | 3063.0 | 3032.6 | 2985.7 | 3022.4 | 3018.6 | 2979.4 | 3026.2 | 2979.4 | 2957.8 | 2949.0 | 2892.0 |
| 40° | 2766.6 | 2729.8 | 2694.4 | 2733.6 | 2737.4 | 2695.6 | 2756.4 | 2703.2 | 2696.9 | 2671.6 | 2604.4 |
| 42.5° | 2466.3 | 2453.7 | 2419.5 | 2452.4 | 2470.1 | 2434.7 | 2485.3 | 2460.0 | 2463.8 | 2457.5 | 2394.1 |
| 45° | 2204.1 | 2182.6 | 2157.3 | 2195.3 | 2206.7 | 2188.9 | 2239.6 | 2224.4 | 2239.6 | 2271.3 | 2219.3 |
| 47.5° | 1921.6 | 1900.1 | 1872.2 | 1912.8 | 1933.0 | 1900.1 | 1943.2 | 1938.1 | 1960.9 | 2015.4 | 2010.3 |
| 50° | 1580.9 | 1565.7 | 1560.6 | 1565.7 | 1578.4 | 1563.2 | 1593.6 | 1594.8 | 1610.0 | 1684.8 | 1689.8 |
| 52.5° | 1251.5 | 1247.7 | 1230.0 | 1246.5 | 1246.5 | 1222.4 | 1252.8 | 1238.9 | 1254.1 | 1304.7 | 1337.7 |
| 55° | 979.2 | 975.4 | 964.0 | 979.2 | 962.7 | 953.9 | 962.7 | 948.8 | 937.4 | 976.7 | 1010.9 |
| 57.5° | 762.6 | 749.9 | 736.0 | 742.3 | 741.0 | 722.0 | 732.2 | 715.7 | 706.8 | 720.8 | 751.2 |
| 60° | 543.4 | 539.6 | 527.0 | 533.3 | 538.4 | 524.4 | 534.6 | 527.0 | 511.8 | 523.2 | 524.4 |
| 62.5° | 361.0 | 363.6 | 356.0 | 357.2 | 353.4 | 350.9 | 357.2 | 361.0 | 357.2 | 352.2 | 353.4 |
| 65° | 229.3 | 228.0 | 226.7 | 228.0 | 230.5 | 225.5 | 229.3 | 231.8 | 228.0 | 228.0 | 226.7 |
| 67.5° | 152.0 | 148.2 | 144.4 | 146.9 | 149.5 | 145.7 | 149.5 | 148.2 | 149.5 | 148.2 | 144.4 |
| 70° | 102.6 | 101.3 | 100.1 | 101.3 | 101.3 | 98.8 | 101.3 | 100.1 | 101.3 | 100.1 | 96.3 |
| 72.5° | 74.7 | 74.7 | 73.5 | 74.7 | 74.7 | 72.2 | 73.5 | 70.9 | 72.2 | 70.9 | 68.4 |
| 75° | 55.7 | 55.7 | 54.5 | 55.7 | 54.5 | 53.2 | 54.5 | 53.2 | 50.7 | 50.7 | 48.1 |
| 77.5° | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 39.3 | 39.3 | 38.0 | 36.7 | 35.5 | 35.5 |
| 80° | 30.4 | 29.1 | 29.1 | 29.1 | 29.1 | 27.9 | 29.1 | 27.9 | 26.6 | 25.3 | 24.1 |
| 82.5° | 21.5 | 22.8 | 21.5 | 21.5 | 21.5 | 20.3 | 21.5 | 20.3 | 20.3 | 19.0 | 16.5 |
| 85° | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 15.2 | 15.2 | 15.2 | 13.9 | 13.9 | 12.7 |
| 87.5° | 8.9 | 8.9 | 8.9 | 10.1 | 8.9 | 8.9 | 8.9 | 7.6 | 7.6 | 6.3 | 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: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 |
| 2.5° | 4665.4 | 4671.7 | 4657.8 | 4679.3 | 4762.9 | 4695.8 | 4723.7 | 4732.5 | 4795.9 | 4807.3 | 4799.7 |
| 5° | 4488.1 | 4515.9 | 4533.7 | 4581.8 | 4674.3 | 4626.1 | 4675.5 | 4707.2 | 4788.3 | 4814.9 | 4821.2 |
| 7.5° | 4348.7 | 4407.0 | 4450.1 | 4528.6 | 4637.5 | 4600.8 | 4675.5 | 4727.5 | 4826.3 | 4860.5 | 4876.9 |
| 10° | 4244.8 | 4333.5 | 4408.2 | 4515.9 | 4638.8 | 4614.7 | 4712.3 | 4785.7 | 4895.9 | 4936.5 | 4956.7 |
| 12.5° | 4166.3 | 4274.0 | 4374.0 | 4510.9 | 4643.9 | 4632.5 | 4750.3 | 4833.9 | 4950.4 | 4990.9 | 5015.0 |
| 15° | 4080.2 | 4204.3 | 4320.8 | 4474.1 | 4617.3 | 4614.7 | 4741.4 | 4830.1 | 4949.1 | 4983.3 | 5006.1 |
| 17.5° | 3977.6 | 4110.6 | 4238.5 | 4404.4 | 4546.3 | 4548.9 | 4676.8 | 4764.2 | 4880.7 | 4908.6 | 4923.8 |
| 20° | 3873.7 | 4005.4 | 4133.4 | 4304.4 | 4443.7 | 4447.5 | 4572.9 | 4654.0 | 4765.5 | 4788.3 | 4792.1 |
| 22.5° | 3763.5 | 3886.4 | 4014.3 | 4184.0 | 4318.3 | 4320.8 | 4445.0 | 4521.0 | 4616.0 | 4627.4 | 4637.5 |
| 25° | 3638.1 | 3758.4 | 3878.8 | 4047.2 | 4175.2 | 4182.8 | 4295.5 | 4362.6 | 4450.1 | 4458.9 | 4462.7 |
| 27.5° | 3507.6 | 3606.4 | 3721.7 | 3866.1 | 3995.3 | 3990.2 | 4096.6 | 4172.6 | 4251.2 | 4246.1 | 4244.8 |
| 30° | 3375.9 | 3458.2 | 3529.1 | 3668.5 | 3763.5 | 3767.3 | 3867.4 | 3904.1 | 3986.4 | 3976.3 | 3975.0 |
| 32.5° | 3283.4 | 3304.9 | 3323.9 | 3394.9 | 3484.8 | 3453.1 | 3521.5 | 3567.1 | 3624.1 | 3620.3 | 3621.6 |
| 35° | 3113.6 | 3074.4 | 3017.4 | 3027.5 | 3082.0 | 3032.6 | 3069.3 | 3068.0 | 3126.3 | 3112.4 | 3128.8 |
| 37.5° | 2823.6 | 2712.1 | 2585.4 | 2513.2 | 2523.3 | 2461.3 | 2448.6 | 2479.0 | 2499.3 | 2460.0 | 2473.9 |
| 40° | 2514.5 | 2349.8 | 2152.2 | 1987.5 | 1978.6 | 1901.4 | 1887.4 | 1857.0 | 1896.3 | 1863.4 | 1873.5 |
| 42.5° | 2286.5 | 2068.6 | 1808.9 | 1608.8 | 1565.7 | 1501.1 | 1463.1 | 1458.0 | 1469.4 | 1446.6 | 1440.3 |
| 45° | 2111.7 | 1879.8 | 1582.2 | 1352.9 | 1304.7 | 1235.1 | 1197.1 | 1183.1 | 1184.4 | 1176.8 | 1170.5 |
| 47.5° | 1906.4 | 1673.4 | 1371.9 | 1137.5 | 1083.1 | 1017.2 | 979.2 | 970.3 | 975.4 | 965.3 | 957.7 |
| 50° | 1622.7 | 1413.7 | 1138.8 | 924.7 | 876.6 | 828.4 | 798.0 | 789.2 | 787.9 | 780.3 | 775.2 |
| 52.5° | 1317.4 | 1143.9 | 905.7 | 727.1 | 684.0 | 637.2 | 615.6 | 604.2 | 605.5 | 597.9 | 590.3 |
| 55° | 1019.7 | 912.1 | 701.8 | 549.8 | 510.5 | 473.8 | 453.5 | 439.6 | 435.8 | 428.2 | 424.4 |
| 57.5° | 758.8 | 686.6 | 525.7 | 396.5 | 373.7 | 338.2 | 318.0 | 301.5 | 299.0 | 295.1 | 293.9 |
| 60° | 532.0 | 480.1 | 369.9 | 282.5 | 255.9 | 234.3 | 214.1 | 197.6 | 190.0 | 188.7 | 184.9 |
| 62.5° | 344.6 | 312.9 | 243.2 | 188.7 | 168.5 | 153.3 | 133.0 | 121.6 | 116.5 | 111.5 | 112.7 |
| 65° | 214.1 | 190.0 | 152.0 | 121.6 | 110.2 | 98.8 | 83.6 | 73.5 | 68.4 | 63.3 | 64.6 |
| 67.5° | 133.0 | 119.1 | 96.3 | 78.5 | 70.9 | 62.1 | 50.7 | 43.1 | 39.3 | 35.5 | 32.9 |
| 70° | 89.9 | 77.3 | 65.9 | 55.7 | 50.7 | 44.3 | 36.7 | 30.4 | 27.9 | 25.3 | 22.8 |
| 72.5° | 63.3 | 57.0 | 48.1 | 41.8 | 38.0 | 32.9 | 27.9 | 24.1 | 21.5 | 19.0 | 16.5 |
| 75° | 45.6 | 40.5 | 35.5 | 30.4 | 27.9 | 25.3 | 21.5 | 19.0 | 16.5 | 13.9 | 11.4 |
| 77.5° | 32.9 | 29.1 | 25.3 | 22.8 | 21.5 | 17.7 | 15.2 | 13.9 | 12.7 | 10.1 | 7.6 |
| 80° | 22.8 | 20.3 | 16.5 | 15.2 | 15.2 | 12.7 | 11.4 | 10.1 | 8.9 | 6.3 | 5.1 |
| 82.5° | 15.2 | 13.9 | 12.7 | 11.4 | 10.1 | 8.9 | 8.9 | 6.3 | 5.1 | 3.8 | 2.5 |
| 85° | 11.4 | 10.1 | 8.9 | 7.6 | 7.6 | 6.3 | 5.1 | 3.8 | 3.8 | 2.5 | 1.3 |
| 87.5° | 6.3 | 6.3 | 5.1 | 3.8 | 3.8 | 2.5 | 2.5 | 1.3 | 1.3 | 1.3 | 1.3 |
| 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: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 |
| 2.5° | 4864.3 | 4868.1 | 4889.6 | 4873.1 | 4914.9 | 4945.3 | 4930.1 | 4964.3 | 4952.9 | 4950.4 | 4989.7 |
| 5° | 4897.2 | 4906.1 | 4935.2 | 4920.0 | 4965.6 | 4998.5 | 4983.3 | 5021.3 | 5009.9 | 5007.4 | 5048.0 |
| 7.5° | 4960.5 | 4969.4 | 4994.7 | 4982.1 | 5030.2 | 5059.4 | 5040.3 | 5082.2 | 5067.0 | 5065.7 | 5105.0 |
| 10° | 5040.3 | 5053.0 | 5074.6 | 5061.9 | 5106.2 | 5131.6 | 5112.6 | 5153.1 | 5139.2 | 5132.8 | 5175.9 |
| 12.5° | 5099.9 | 5108.8 | 5130.3 | 5120.2 | 5163.2 | 5182.2 | 5165.8 | 5205.0 | 5187.3 | 5182.2 | 5220.2 |
| 15° | 5086.0 | 5094.8 | 5112.6 | 5103.7 | 5144.2 | 5162.0 | 5140.4 | 5183.5 | 5165.8 | 5155.6 | 5189.8 |
| 17.5° | 4997.3 | 5002.3 | 5015.0 | 5006.1 | 5049.2 | 5060.6 | 5036.5 | 5079.6 | 5063.2 | 5045.4 | 5078.4 |
| 20° | 4866.8 | 4864.3 | 4871.9 | 4868.1 | 4903.5 | 4909.9 | 4894.7 | 4926.3 | 4907.3 | 4897.2 | 4916.2 |
| 22.5° | 4704.7 | 4702.1 | 4707.2 | 4697.1 | 4732.5 | 4736.3 | 4713.5 | 4751.5 | 4732.5 | 4713.5 | 4745.2 |
| 25° | 4524.8 | 4510.9 | 4508.3 | 4512.1 | 4536.2 | 4540.0 | 4515.9 | 4543.8 | 4519.7 | 4504.5 | 4534.9 |
| 27.5° | 4303.1 | 4285.4 | 4281.6 | 4285.4 | 4309.4 | 4291.7 | 4271.4 | 4291.7 | 4267.6 | 4253.7 | 4272.7 |
| 30° | 4029.5 | 4004.2 | 3992.8 | 3985.2 | 4010.5 | 4004.2 | 3957.3 | 3980.1 | 3942.1 | 3921.8 | 3935.8 |
| 32.5° | 3660.9 | 3646.9 | 3616.5 | 3598.8 | 3622.9 | 3574.7 | 3545.6 | 3545.6 | 3530.4 | 3496.2 | 3503.8 |
| 35° | 3149.1 | 3127.6 | 3099.7 | 3084.5 | 3088.3 | 3023.7 | 2975.6 | 2985.7 | 2935.0 | 2926.2 | 2930.0 |
| 37.5° | 2501.8 | 2466.3 | 2456.2 | 2424.5 | 2432.1 | 2375.1 | 2309.3 | 2310.5 | 2283.9 | 2256.1 | 2247.2 |
| 40° | 1879.8 | 1873.5 | 1863.4 | 1836.8 | 1846.9 | 1784.8 | 1759.5 | 1760.8 | 1743.0 | 1722.8 | 1732.9 |
| 42.5° | 1452.9 | 1432.7 | 1426.3 | 1417.5 | 1420.0 | 1409.9 | 1376.9 | 1380.7 | 1365.5 | 1360.5 | 1355.4 |
| 45° | 1180.6 | 1159.1 | 1143.9 | 1151.5 | 1151.5 | 1140.1 | 1127.4 | 1135.0 | 1127.4 | 1117.3 | 1122.3 |
| 47.5° | 972.9 | 952.6 | 945.0 | 943.7 | 952.6 | 945.0 | 932.3 | 934.9 | 933.6 | 929.8 | 927.3 |
| 50° | 776.5 | 771.4 | 765.1 | 761.3 | 765.1 | 762.6 | 751.2 | 757.5 | 761.3 | 748.6 | 752.4 |
| 52.5° | 591.6 | 591.6 | 590.3 | 581.4 | 589.0 | 581.4 | 580.2 | 582.7 | 578.9 | 573.8 | 572.6 |
| 55° | 433.2 | 429.4 | 423.1 | 421.8 | 424.4 | 421.8 | 419.3 | 420.6 | 423.1 | 410.4 | 410.4 |
| 57.5° | 296.4 | 293.9 | 290.1 | 290.1 | 295.1 | 288.8 | 285.0 | 290.1 | 285.0 | 279.9 | 279.9 |
| 60° | 190.0 | 188.7 | 184.9 | 184.9 | 184.9 | 183.7 | 179.9 | 181.1 | 183.7 | 176.1 | 177.3 |
| 62.5° | 114.0 | 110.2 | 108.9 | 107.7 | 108.9 | 107.7 | 107.7 | 106.4 | 105.1 | 105.1 | 101.3 |
| 65° | 62.1 | 59.5 | 57.0 | 58.3 | 58.3 | 57.0 | 57.0 | 57.0 | 54.5 | 53.2 | 51.9 |
| 67.5° | 31.7 | 29.1 | 29.1 | 27.9 | 27.9 | 27.9 | 27.9 | 26.6 | 26.6 | 26.6 | 25.3 |
| 70° | 20.3 | 19.0 | 17.7 | 17.7 | 17.7 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 15.2 |
| 72.5° | 13.9 | 12.7 | 11.4 | 11.4 | 11.4 | 10.1 | 10.1 | 10.1 | 10.1 | 8.9 | 8.9 |
| 75° | 10.1 | 8.9 | 7.6 | 7.6 | 7.6 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 77.5° | 6.3 | 5.1 | 5.1 | 5.1 | 5.1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 2.5 |
| 80° | 3.8 | 3.8 | 2.5 | 2.5 | 2.5 | 2.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 82.5° | 2.5 | 2.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 |
| 85° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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: P251199

CATALOG NUMBER: LD8B70D010 ER8B70830 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 | 4821.2 |
| 2.5° | 4975.7 | 4965.6 | 4971.9 | 5018.8 | 4998.5 | 4992.2 | 4939.0 | 4985.9 |
| 5° | 5035.3 | 5027.7 | 5027.7 | 5080.9 | 5056.8 | 5051.8 | 4999.8 | 5040.3 |
| 7.5° | 5091.0 | 5083.4 | 5084.7 | 5139.2 | 5120.2 | 5112.6 | 5060.6 | 5101.2 |
| 10° | 5163.2 | 5158.2 | 5159.4 | 5211.4 | 5191.1 | 5183.5 | 5130.3 | 5172.1 |
| 12.5° | 5206.3 | 5198.7 | 5198.7 | 5254.4 | 5231.6 | 5220.2 | 5169.6 | 5210.1 |
| 15° | 5173.4 | 5162.0 | 5162.0 | 5217.7 | 5192.4 | 5175.9 | 5131.6 | 5169.6 |
| 17.5° | 5060.6 | 5049.2 | 5049.2 | 5097.4 | 5078.4 | 5054.3 | 5008.7 | 5044.2 |
| 20° | 4903.5 | 4889.6 | 4885.8 | 4941.5 | 4914.9 | 4893.4 | 4852.9 | 4887.1 |
| 22.5° | 4726.2 | 4719.9 | 4708.5 | 4764.2 | 4740.1 | 4717.3 | 4674.3 | 4700.9 |
| 25° | 4513.4 | 4503.3 | 4491.9 | 4546.3 | 4522.3 | 4499.5 | 4465.3 | 4486.8 |
| 27.5° | 4248.6 | 4249.9 | 4243.6 | 4286.6 | 4262.6 | 4249.9 | 4208.1 | 4243.6 |
| 30° | 3928.2 | 3914.2 | 3909.2 | 3959.8 | 3937.0 | 3920.6 | 3868.6 | 3902.8 |
| 32.5° | 3510.1 | 3489.9 | 3463.3 | 3520.3 | 3481.0 | 3467.1 | 3422.7 | 3472.1 |
| 35° | 2902.1 | 2895.8 | 2871.7 | 2919.8 | 2898.3 | 2873.0 | 2845.1 | 2886.9 |
| 37.5° | 2243.4 | 2248.5 | 2245.9 | 2258.6 | 2245.9 | 2229.5 | 2199.1 | 2183.9 |
| 40° | 1712.6 | 1700.0 | 1689.8 | 1712.6 | 1686.0 | 1686.0 | 1668.3 | 1687.3 |
| 42.5° | 1342.7 | 1337.7 | 1350.3 | 1355.4 | 1340.2 | 1337.7 | 1335.1 | 1333.9 |
| 45° | 1108.4 | 1108.4 | 1110.9 | 1116.0 | 1110.9 | 1108.4 | 1100.8 | 1095.7 |
| 47.5° | 913.3 | 918.4 | 913.3 | 929.8 | 920.9 | 918.4 | 903.2 | 909.5 |
| 50° | 739.8 | 733.4 | 739.8 | 744.8 | 746.1 | 738.5 | 730.9 | 734.7 |
| 52.5° | 573.8 | 563.7 | 561.2 | 568.8 | 563.7 | 563.7 | 558.6 | 557.4 |
| 55° | 404.1 | 407.9 | 401.6 | 407.9 | 405.4 | 401.6 | 397.8 | 402.8 |
| 57.5° | 273.6 | 274.9 | 272.3 | 276.1 | 269.8 | 271.1 | 269.8 | 268.5 |
| 60° | 177.3 | 172.3 | 172.3 | 176.1 | 169.7 | 169.7 | 168.5 | 168.5 |
| 62.5° | 101.3 | 100.1 | 100.1 | 98.8 | 97.5 | 97.5 | 97.5 | 95.0 |
| 65° | 51.9 | 50.7 | 49.4 | 49.4 | 49.4 | 49.4 | 48.1 | 48.1 |
| 67.5° | 25.3 | 24.1 | 24.1 | 25.3 | 24.1 | 24.1 | 24.1 | 24.1 |
| 70° | 15.2 | 15.2 | 13.9 | 15.2 | 13.9 | 13.9 | 13.9 | 13.9 |
| 72.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 75° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 77.5° | 3.8 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 80° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)