

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: P249210

Luminaire Tested: **LD8B80D010 ER8B80835 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249210
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: LD8B80D010 ER8B80835 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8444.0 lumens
Efficiency: N/A
Efficacy: 113.5 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

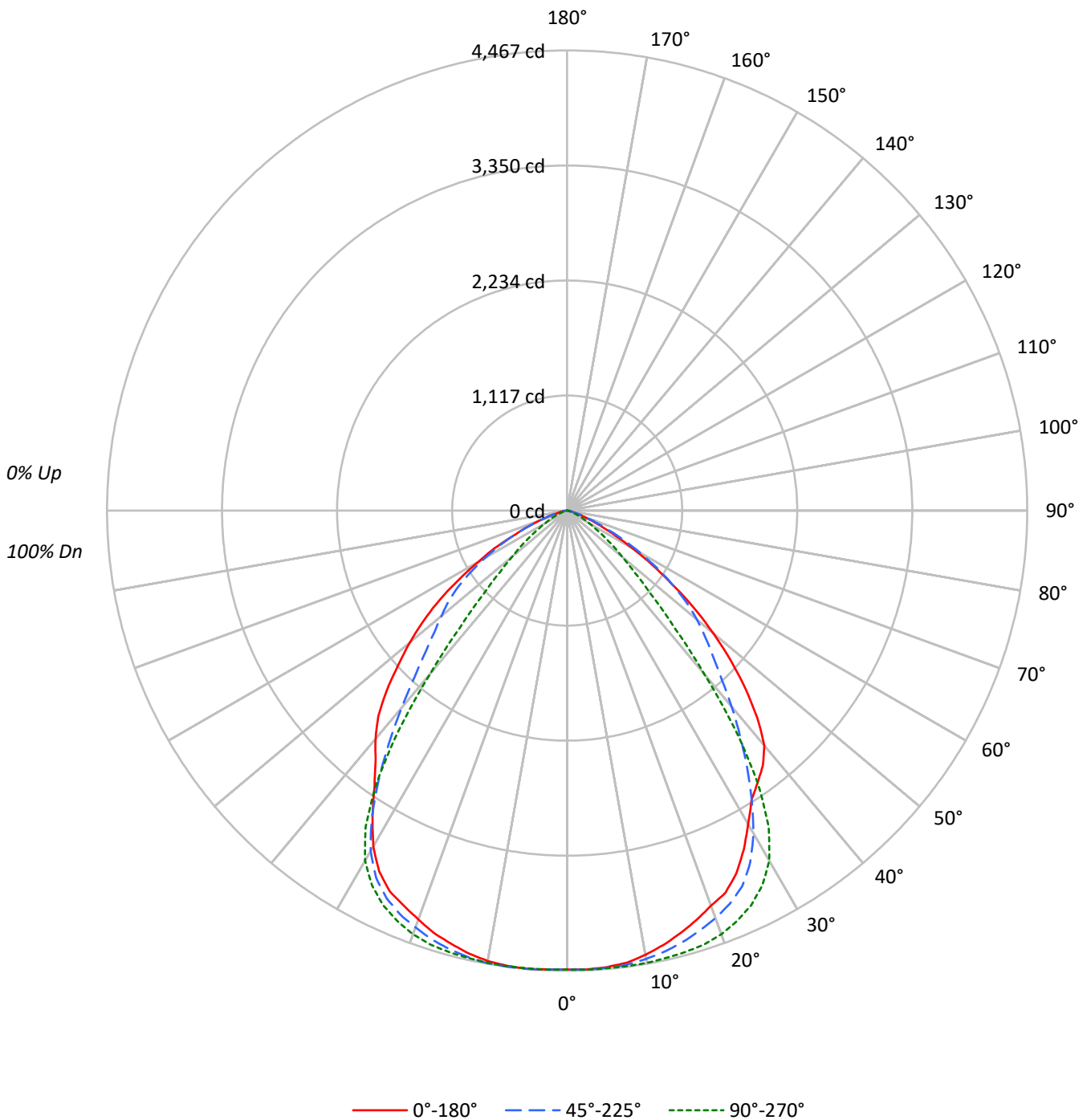
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 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 | 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 | 91 | 90 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 137382 | 137382 | 137382 |
| 5° | 137684 | 138055 | 138204 |
| 10° | 137106 | 139576 | 138978 |
| 15° | 135585 | 141619 | 138946 |
| 20° | 133959 | 143610 | 138589 |
| 25° | 132221 | 143776 | 138730 |
| 30° | 125086 | 139731 | 134027 |
| 35° | 121354 | 121440 | 122701 |
| 40° | 119848 | 83555 | 116479 |
| 45° | 106790 | 50164 | 108251 |
| 50° | 88798 | 33384 | 95682 |
| 55° | 66594 | 23015 | 81126 |
| 60° | 45132 | 15338 | 61210 |
| 65° | 27223 | 9945 | 42050 |
| 70° | 15093 | 5392 | 25876 |
| 75° | 6839 | 2276 | 13392 |
| 80° | 5949 | 2539 | 9341 |
| 85° | 6758 | 3361 | 9305 |



TEST NUMBER: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 425.2 | 5.0 |
| 10°-20° | 1234.8 | 14.6 |
| 20°-30° | 1874.2 | 22.2 |
| 30°-40° | 1968.5 | 23.3 |
| 40°-50° | 1475.8 | 17.5 |
| 50°-60° | 946.9 | 11.2 |
| 60°-70° | 405.1 | 4.8 |
| 70°-80° | 95.7 | 1.1 |
| 80°-90° | 17.8 | 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° | 3534.2 | 41.9 |
| 0°-40° | 5502.7 | 65.2 |
| 0°-60° | 7925.4 | 93.9 |
| 0°-90° | 8444.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8444.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4455 | 4455 | 4455 | 4455 | 4455 | |
| 5° | 4448 | 4455 | 4460 | 4467 | 4465 | 423 |
| 15° | 4247 | 4336 | 4436 | 4407 | 4352 | 1198 |
| 25° | 3886 | 4022 | 4226 | 4149 | 4077 | 1775 |
| 35° | 3224 | 3044 | 3226 | 3188 | 3260 | 2023 |
| 45° | 2449 | 2002 | 1150 | 1944 | 2482 | 1875 |
| 55° | 1239 | 1239 | 428 | 1291 | 1509 | 1124 |
| 65° | 373 | 440 | 136 | 567 | 576 | 398 |
| 75° | 57 | 67 | 19 | 115 | 112 | 84 |
| 85° | 19 | 12 | 10 | 19 | 26 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 |
| 2.5° | 4457.6 | 4462.4 | 4460.0 | 4460.0 | 4457.6 | 4460.0 | 4460.0 | 4464.8 | 4464.8 | 4460.0 | 4457.6 |
| 5° | 4448.0 | 4452.8 | 4452.8 | 4448.0 | 4448.0 | 4460.0 | 4452.8 | 4457.6 | 4457.6 | 4455.2 | 4455.2 |
| 7.5° | 4426.5 | 4426.5 | 4436.1 | 4428.9 | 4428.9 | 4436.1 | 4433.7 | 4438.5 | 4443.3 | 4445.7 | 4445.7 |
| 10° | 4378.7 | 4383.5 | 4385.9 | 4385.9 | 4388.3 | 4395.4 | 4400.2 | 4409.8 | 4414.6 | 4419.4 | 4421.7 |
| 12.5° | 4318.9 | 4326.1 | 4328.5 | 4326.1 | 4333.3 | 4342.8 | 4354.8 | 4366.7 | 4373.9 | 4383.5 | 4390.7 |
| 15° | 4247.1 | 4247.1 | 4251.9 | 4259.1 | 4263.9 | 4278.3 | 4290.2 | 4304.5 | 4323.7 | 4335.7 | 4347.6 |
| 17.5° | 4168.3 | 4173.1 | 4180.2 | 4180.2 | 4189.8 | 4213.7 | 4220.9 | 4242.4 | 4263.9 | 4275.9 | 4299.8 |
| 20° | 4082.2 | 4086.9 | 4094.1 | 4098.9 | 4110.9 | 4130.0 | 4144.3 | 4163.5 | 4187.4 | 4208.9 | 4232.8 |
| 22.5° | 4015.2 | 4005.7 | 4010.4 | 4015.2 | 4027.2 | 4043.9 | 4060.7 | 4084.5 | 4108.5 | 4130.0 | 4153.9 |
| 25° | 3886.1 | 3888.5 | 3895.6 | 3900.4 | 3914.8 | 3929.1 | 3948.3 | 3976.9 | 3998.5 | 4022.4 | 4048.7 |
| 27.5° | 3711.5 | 3713.9 | 3725.8 | 3725.8 | 3737.8 | 3761.7 | 3773.6 | 3797.6 | 3826.3 | 3850.2 | 3881.3 |
| 30° | 3513.0 | 3517.8 | 3517.8 | 3527.4 | 3534.5 | 3546.5 | 3558.4 | 3582.4 | 3596.7 | 3618.2 | 3661.3 |
| 32.5° | 3331.3 | 3336.0 | 3333.6 | 3331.3 | 3324.1 | 3321.7 | 3319.3 | 3324.1 | 3328.9 | 3336.0 | 3352.8 |
| 35° | 3223.7 | 3211.7 | 3202.1 | 3185.4 | 3166.3 | 3142.3 | 3120.8 | 3092.1 | 3065.8 | 3044.3 | 3020.4 |
| 37.5° | 3120.8 | 3118.4 | 3104.1 | 3080.1 | 3041.9 | 2998.9 | 2948.7 | 2886.5 | 2824.3 | 2757.3 | 2692.8 |
| 40° | 2977.3 | 2970.1 | 2958.2 | 2924.7 | 2881.7 | 2829.0 | 2762.1 | 2685.6 | 2585.1 | 2482.3 | 2377.1 |
| 42.5° | 2733.4 | 2735.8 | 2721.4 | 2695.1 | 2654.5 | 2604.2 | 2534.9 | 2451.2 | 2343.6 | 2221.6 | 2085.3 |
| 45° | 2448.8 | 2448.8 | 2444.0 | 2422.5 | 2393.8 | 2353.2 | 2300.5 | 2231.2 | 2126.0 | 2001.6 | 1855.7 |
| 47.5° | 2152.3 | 2154.7 | 2147.5 | 2142.7 | 2130.7 | 2104.5 | 2066.2 | 2013.6 | 1939.5 | 1819.9 | 1674.0 |
| 50° | 1851.0 | 1851.0 | 1862.9 | 1860.5 | 1860.5 | 1851.0 | 1834.2 | 1803.1 | 1738.6 | 1642.9 | 1506.6 |
| 52.5° | 1549.6 | 1554.4 | 1561.6 | 1571.2 | 1583.1 | 1602.2 | 1583.1 | 1568.8 | 1528.1 | 1454.0 | 1336.8 |
| 55° | 1238.7 | 1243.5 | 1255.5 | 1272.2 | 1286.6 | 1305.7 | 1310.5 | 1310.5 | 1289.0 | 1238.7 | 1150.3 |
| 57.5° | 973.3 | 966.1 | 975.7 | 990.1 | 1009.2 | 1028.3 | 1042.7 | 1059.4 | 1057.0 | 1023.5 | 951.8 |
| 60° | 731.8 | 734.2 | 741.3 | 755.7 | 770.0 | 786.8 | 805.9 | 820.3 | 827.4 | 810.7 | 765.3 |
| 62.5° | 533.3 | 533.3 | 542.8 | 557.2 | 564.4 | 588.3 | 600.2 | 607.4 | 614.6 | 612.2 | 583.5 |
| 65° | 373.1 | 377.8 | 382.6 | 389.8 | 397.0 | 411.3 | 418.5 | 432.8 | 437.6 | 440.0 | 418.5 |
| 67.5° | 263.1 | 255.9 | 260.7 | 265.4 | 272.6 | 282.2 | 296.5 | 296.5 | 303.7 | 303.7 | 289.4 |
| 70° | 167.4 | 167.4 | 169.8 | 176.9 | 181.7 | 184.1 | 188.9 | 193.7 | 200.9 | 198.5 | 198.5 |
| 72.5° | 112.4 | 110.0 | 112.4 | 114.8 | 117.2 | 124.3 | 124.3 | 126.7 | 131.5 | 133.9 | 124.3 |
| 75° | 57.4 | 59.8 | 64.5 | 62.2 | 69.3 | 64.5 | 66.9 | 74.1 | 71.7 | 66.9 | 66.9 |
| 77.5° | 47.8 | 47.8 | 47.8 | 45.5 | 50.2 | 50.2 | 47.8 | 52.6 | 50.2 | 50.2 | 47.8 |
| 80° | 33.5 | 35.9 | 33.5 | 31.1 | 33.5 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 28.7 |
| 82.5° | 26.3 | 21.5 | 23.9 | 21.5 | 23.9 | 23.9 | 21.5 | 19.1 | 19.1 | 21.5 | 19.1 |
| 85° | 19.1 | 14.3 | 16.7 | 16.7 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 11.9 | 11.9 |
| 87.5° | 11.9 | 7.2 | 7.2 | 7.2 | 9.5 | 9.5 | 9.5 | 7.2 | 9.5 | 9.5 | 4.8 |
| 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: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 |
| 2.5° | 4462.4 | 4460.0 | 4464.8 | 4462.4 | 4462.4 | 4460.0 | 4462.4 | 4460.0 | 4464.8 | 4455.2 | 4457.6 |
| 5° | 4462.4 | 4457.6 | 4460.0 | 4462.4 | 4464.8 | 4460.0 | 4460.0 | 4460.0 | 4464.8 | 4460.0 | 4462.4 |
| 7.5° | 4452.8 | 4450.4 | 4457.6 | 4462.4 | 4460.0 | 4457.6 | 4462.4 | 4460.0 | 4464.8 | 4462.4 | 4467.2 |
| 10° | 4433.7 | 4436.1 | 4440.9 | 4448.0 | 4450.4 | 4452.8 | 4457.6 | 4457.6 | 4464.8 | 4455.2 | 4460.0 |
| 12.5° | 4405.0 | 4414.6 | 4426.5 | 4431.3 | 4440.9 | 4440.9 | 4445.7 | 4448.0 | 4452.8 | 4450.4 | 4457.6 |
| 15° | 4369.1 | 4381.1 | 4395.4 | 4407.4 | 4419.4 | 4426.5 | 4433.7 | 4436.1 | 4443.3 | 4436.1 | 4438.5 |
| 17.5° | 4326.1 | 4340.4 | 4361.9 | 4376.3 | 4395.4 | 4402.6 | 4412.2 | 4417.0 | 4424.1 | 4419.4 | 4421.7 |
| 20° | 4266.3 | 4283.1 | 4306.9 | 4328.5 | 4340.4 | 4357.2 | 4369.1 | 4376.3 | 4381.1 | 4376.3 | 4378.7 |
| 22.5° | 4182.6 | 4206.5 | 4237.6 | 4254.3 | 4278.3 | 4292.6 | 4295.0 | 4311.7 | 4323.7 | 4311.7 | 4316.5 |
| 25° | 4084.5 | 4108.5 | 4132.4 | 4168.3 | 4189.8 | 4206.5 | 4223.3 | 4225.7 | 4237.6 | 4235.2 | 4232.8 |
| 27.5° | 3921.9 | 3953.0 | 3993.7 | 4022.4 | 4051.1 | 4077.4 | 4096.5 | 4101.3 | 4113.3 | 4108.5 | 4110.9 |
| 30° | 3699.5 | 3733.0 | 3771.3 | 3816.7 | 3857.4 | 3883.7 | 3907.6 | 3924.3 | 3936.3 | 3929.1 | 3926.7 |
| 32.5° | 3383.9 | 3417.4 | 3458.0 | 3503.4 | 3551.3 | 3589.5 | 3618.2 | 3639.8 | 3654.1 | 3649.3 | 3637.4 |
| 35° | 3022.8 | 3032.3 | 3058.7 | 3094.5 | 3135.1 | 3175.8 | 3202.1 | 3226.0 | 3242.7 | 3247.5 | 3247.5 |
| 37.5° | 2652.1 | 2621.0 | 2601.9 | 2601.9 | 2625.8 | 2642.5 | 2666.4 | 2680.8 | 2707.1 | 2716.6 | 2723.8 |
| 40° | 2293.4 | 2221.6 | 2154.7 | 2104.5 | 2071.0 | 2068.6 | 2068.6 | 2075.7 | 2099.7 | 2130.7 | 2159.5 |
| 42.5° | 1972.9 | 1858.1 | 1755.3 | 1662.0 | 1595.1 | 1556.8 | 1540.1 | 1542.5 | 1561.6 | 1590.3 | 1638.1 |
| 45° | 1717.0 | 1573.6 | 1444.4 | 1332.0 | 1241.1 | 1181.3 | 1152.7 | 1150.3 | 1164.6 | 1198.1 | 1250.7 |
| 47.5° | 1518.6 | 1365.5 | 1219.6 | 1090.5 | 992.5 | 927.9 | 894.4 | 884.9 | 894.4 | 925.5 | 987.7 |
| 50° | 1353.6 | 1195.7 | 1045.1 | 911.1 | 805.9 | 739.0 | 707.8 | 695.9 | 707.8 | 734.2 | 796.3 |
| 52.5° | 1200.5 | 1037.9 | 896.8 | 767.6 | 655.2 | 597.8 | 564.4 | 557.2 | 564.4 | 595.4 | 645.7 |
| 55° | 1023.5 | 884.9 | 746.1 | 617.0 | 519.0 | 461.6 | 435.2 | 428.1 | 435.2 | 464.0 | 516.6 |
| 57.5° | 849.0 | 729.4 | 607.4 | 490.2 | 406.6 | 356.3 | 332.4 | 322.8 | 339.6 | 358.7 | 420.9 |
| 60° | 686.3 | 590.7 | 487.8 | 385.0 | 315.7 | 270.2 | 251.1 | 248.7 | 253.5 | 277.4 | 320.4 |
| 62.5° | 538.1 | 459.2 | 377.8 | 294.2 | 236.7 | 217.6 | 193.7 | 191.3 | 196.1 | 210.4 | 243.9 |
| 65° | 387.4 | 337.2 | 275.0 | 215.2 | 169.8 | 143.5 | 133.9 | 136.3 | 141.1 | 150.7 | 181.7 |
| 67.5° | 270.2 | 234.4 | 191.3 | 150.7 | 117.2 | 105.2 | 95.7 | 93.3 | 95.7 | 112.4 | 129.1 |
| 70° | 181.7 | 160.2 | 129.1 | 114.8 | 81.3 | 64.5 | 66.9 | 59.8 | 69.3 | 69.3 | 83.7 |
| 72.5° | 119.5 | 105.2 | 86.1 | 66.9 | 57.4 | 45.5 | 45.5 | 43.1 | 47.8 | 50.2 | 62.2 |
| 75° | 62.2 | 47.8 | 47.8 | 33.5 | 23.9 | 11.9 | 21.5 | 19.1 | 16.7 | 19.1 | 23.9 |
| 77.5° | 43.1 | 35.9 | 33.5 | 26.3 | 23.9 | 19.1 | 19.1 | 19.1 | 19.1 | 21.5 | 23.9 |
| 80° | 26.3 | 26.3 | 19.1 | 16.7 | 14.3 | 11.9 | 14.3 | 14.3 | 14.3 | 14.3 | 16.7 |
| 82.5° | 16.7 | 14.3 | 14.3 | 11.9 | 11.9 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 14.3 |
| 85° | 14.3 | 9.5 | 9.5 | 7.2 | 9.5 | 16.7 | 7.2 | 9.5 | 9.5 | 9.5 | 7.2 |
| 87.5° | 4.8 | 7.2 | 7.2 | 7.2 | 4.8 | 2.4 | 4.8 | 7.2 | 7.2 | 11.9 | 9.5 |
| 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: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 | 4455.2 |
| 2.5° | 4462.4 | 4464.8 | 4464.8 | 4462.4 | 4462.4 | 4457.6 | 4467.2 | 4460.0 | 4462.4 | 4472.0 | 4464.8 |
| 5° | 4467.2 | 4469.6 | 4469.6 | 4467.2 | 4467.2 | 4467.2 | 4469.6 | 4469.6 | 4467.2 | 4464.8 | 4469.6 |
| 7.5° | 4476.8 | 4474.4 | 4474.4 | 4469.6 | 4469.6 | 4464.8 | 4469.6 | 4462.4 | 4467.2 | 4462.4 | 4469.6 |
| 10° | 4464.8 | 4467.2 | 4464.8 | 4462.4 | 4462.4 | 4460.0 | 4460.0 | 4452.8 | 4455.2 | 4448.0 | 4452.8 |
| 12.5° | 4457.6 | 4455.2 | 4455.2 | 4450.4 | 4445.7 | 4440.9 | 4438.5 | 4431.3 | 4431.3 | 4414.6 | 4421.7 |
| 15° | 4438.5 | 4440.9 | 4433.7 | 4424.1 | 4419.4 | 4407.4 | 4402.6 | 4393.0 | 4383.5 | 4371.5 | 4373.9 |
| 17.5° | 4421.7 | 4414.6 | 4405.0 | 4395.4 | 4376.3 | 4366.7 | 4357.2 | 4342.8 | 4338.0 | 4323.7 | 4318.9 |
| 20° | 4371.5 | 4366.7 | 4354.8 | 4338.0 | 4326.1 | 4304.5 | 4295.0 | 4280.7 | 4268.7 | 4254.3 | 4247.1 |
| 22.5° | 4306.9 | 4302.1 | 4287.8 | 4271.1 | 4251.9 | 4242.4 | 4232.8 | 4206.5 | 4194.5 | 4180.2 | 4177.8 |
| 25° | 4225.7 | 4218.5 | 4204.1 | 4185.0 | 4175.4 | 4149.1 | 4139.5 | 4120.4 | 4115.7 | 4101.3 | 4098.9 |
| 27.5° | 4101.3 | 4091.7 | 4075.0 | 4051.1 | 4034.3 | 4017.6 | 4008.1 | 3993.7 | 3988.9 | 3974.5 | 3972.2 |
| 30° | 3914.8 | 3902.8 | 3869.3 | 3859.8 | 3831.0 | 3814.3 | 3814.3 | 3795.2 | 3797.6 | 3788.0 | 3788.0 |
| 32.5° | 3620.6 | 3601.5 | 3575.2 | 3556.0 | 3536.9 | 3527.4 | 3527.4 | 3520.2 | 3525.0 | 3525.0 | 3529.8 |
| 35° | 3230.8 | 3204.5 | 3190.1 | 3178.2 | 3178.2 | 3187.7 | 3216.5 | 3223.7 | 3238.0 | 3249.9 | 3259.5 |
| 37.5° | 2731.0 | 2728.6 | 2745.4 | 2759.7 | 2795.6 | 2836.2 | 2886.5 | 2929.5 | 2970.1 | 2998.9 | 3027.5 |
| 40° | 2190.5 | 2250.3 | 2298.1 | 2365.1 | 2420.1 | 2499.0 | 2589.9 | 2664.0 | 2733.4 | 2783.6 | 2836.2 |
| 42.5° | 1709.8 | 1786.4 | 1886.9 | 1984.9 | 2082.9 | 2190.5 | 2310.1 | 2413.0 | 2503.8 | 2573.2 | 2628.2 |
| 45° | 1332.0 | 1437.2 | 1559.2 | 1683.6 | 1810.3 | 1944.3 | 2068.6 | 2173.8 | 2269.5 | 2341.2 | 2396.2 |
| 47.5° | 1073.7 | 1188.5 | 1327.2 | 1463.6 | 1607.0 | 1748.1 | 1886.9 | 1977.7 | 2056.6 | 2114.0 | 2164.3 |
| 50° | 887.2 | 1009.2 | 1155.1 | 1310.5 | 1454.0 | 1595.1 | 1714.6 | 1803.1 | 1867.7 | 1917.9 | 1949.0 |
| 52.5° | 741.3 | 870.5 | 1025.9 | 1181.3 | 1324.8 | 1454.0 | 1561.6 | 1628.6 | 1681.2 | 1717.0 | 1745.7 |
| 55° | 612.2 | 736.6 | 882.5 | 1028.3 | 1169.4 | 1291.4 | 1379.8 | 1430.1 | 1470.7 | 1492.2 | 1509.0 |
| 57.5° | 499.8 | 614.6 | 748.5 | 882.5 | 1004.4 | 1104.9 | 1174.2 | 1224.4 | 1243.5 | 1260.3 | 1257.9 |
| 60° | 392.2 | 499.8 | 621.8 | 736.6 | 841.8 | 923.1 | 973.3 | 1002.0 | 1016.3 | 1023.5 | 1018.7 |
| 62.5° | 308.5 | 406.6 | 499.8 | 600.2 | 676.8 | 746.1 | 794.0 | 794.0 | 801.1 | 803.5 | 810.7 |
| 65° | 229.6 | 303.7 | 385.0 | 459.2 | 521.3 | 566.8 | 593.1 | 600.2 | 609.8 | 607.4 | 602.6 |
| 67.5° | 169.8 | 224.8 | 284.6 | 339.6 | 382.6 | 411.3 | 430.4 | 447.2 | 444.8 | 440.0 | 437.6 |
| 70° | 117.2 | 153.1 | 205.7 | 239.1 | 270.2 | 298.9 | 303.7 | 306.1 | 308.5 | 310.9 | 306.1 |
| 72.5° | 81.3 | 107.6 | 136.3 | 165.0 | 184.1 | 196.1 | 208.1 | 210.4 | 210.4 | 210.4 | 208.1 |
| 75° | 40.7 | 55.0 | 81.3 | 93.3 | 110.0 | 114.8 | 124.3 | 124.3 | 131.5 | 121.9 | 119.5 |
| 77.5° | 35.9 | 43.1 | 57.4 | 66.9 | 74.1 | 81.3 | 83.7 | 90.9 | 88.5 | 83.7 | 86.1 |
| 80° | 21.5 | 26.3 | 35.9 | 40.7 | 50.2 | 52.6 | 55.0 | 57.4 | 55.0 | 57.4 | 57.4 |
| 82.5° | 16.7 | 19.1 | 23.9 | 23.9 | 31.1 | 31.1 | 33.5 | 33.5 | 35.9 | 35.9 | 35.9 |
| 85° | 9.5 | 16.7 | 14.3 | 28.7 | 19.1 | 19.1 | 23.9 | 28.7 | 23.9 | 23.9 | 28.7 |
| 87.5° | 9.5 | 9.5 | 7.2 | 9.5 | 9.5 | 9.5 | 11.9 | 14.3 | 14.3 | 16.7 | 14.3 |
| 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: P249210

CATALOG NUMBER: LD8B80D010 ER8B80835 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 4455.2 | 4455.2 | 4455.2 | 4455.2 |
| 2.5° | 4462.4 | 4467.2 | 4460.0 | 4457.6 |
| 5° | 4469.6 | 4469.6 | 4464.8 | 4464.8 |
| 7.5° | 4469.6 | 4469.6 | 4462.4 | 4457.6 |
| 10° | 4450.4 | 4450.4 | 4443.3 | 4438.5 |
| 12.5° | 4414.6 | 4414.6 | 4412.2 | 4405.0 |
| 15° | 4369.1 | 4369.1 | 4359.6 | 4352.4 |
| 17.5° | 4306.9 | 4311.7 | 4299.8 | 4299.8 |
| 20° | 4240.0 | 4237.6 | 4228.1 | 4223.3 |
| 22.5° | 4170.7 | 4165.9 | 4163.5 | 4149.1 |
| 25° | 4096.5 | 4091.7 | 4084.5 | 4077.4 |
| 27.5° | 3969.8 | 3967.4 | 3960.2 | 3950.7 |
| 30° | 3776.0 | 3773.6 | 3764.1 | 3764.1 |
| 32.5° | 3525.0 | 3522.6 | 3513.0 | 3515.4 |
| 35° | 3264.3 | 3273.9 | 3269.1 | 3259.5 |
| 37.5° | 3046.7 | 3053.9 | 3058.7 | 3053.9 |
| 40° | 2864.9 | 2886.5 | 2888.9 | 2893.6 |
| 42.5° | 2671.2 | 2699.9 | 2709.5 | 2714.2 |
| 45° | 2439.2 | 2465.6 | 2487.1 | 2482.3 |
| 47.5° | 2202.5 | 2221.6 | 2240.7 | 2226.4 |
| 50° | 1975.3 | 1987.3 | 1994.5 | 1994.5 |
| 52.5° | 1760.1 | 1760.1 | 1757.7 | 1760.1 |
| 55° | 1513.8 | 1513.8 | 1504.2 | 1509.0 |
| 57.5° | 1255.5 | 1260.3 | 1253.1 | 1241.1 |
| 60° | 1016.3 | 1004.4 | 999.6 | 992.5 |
| 62.5° | 791.6 | 791.6 | 774.8 | 796.3 |
| 65° | 593.1 | 585.9 | 578.7 | 576.3 |
| 67.5° | 430.4 | 428.1 | 420.9 | 418.5 |
| 70° | 303.7 | 294.2 | 291.8 | 287.0 |
| 72.5° | 203.3 | 203.3 | 198.5 | 198.5 |
| 75° | 124.3 | 112.4 | 110.0 | 112.4 |
| 77.5° | 86.1 | 83.7 | 83.7 | 81.3 |
| 80° | 57.4 | 55.0 | 59.8 | 52.6 |
| 82.5° | 35.9 | 38.3 | 35.9 | 38.3 |
| 85° | 23.9 | 28.7 | 26.3 | 26.3 |
| 87.5° | 14.3 | 14.3 | 14.3 | 14.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)