

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: P248511

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBDW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248511
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: LSR8B120D010 EC8B120940 8LBDW0WH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11223.0 lumens
Efficiency: N/A
Efficacy: 94.9 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

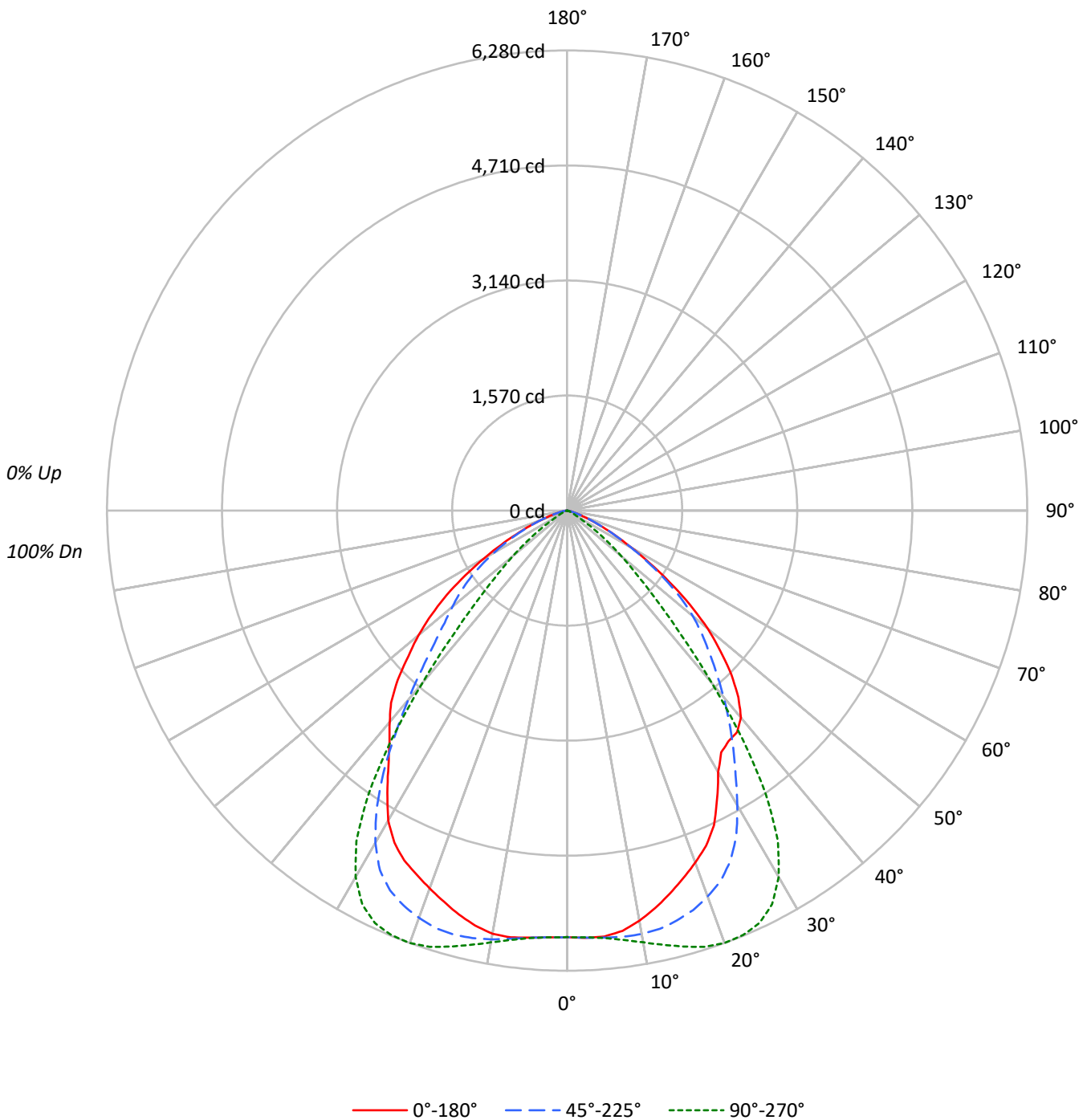
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 179532 | 179532 | 179532 |
| 5° | 180602 | 181270 | 181078 |
| 10° | 177946 | 187337 | 183657 |
| 15° | 172745 | 196621 | 182216 |
| 20° | 167732 | 206064 | 180002 |
| 25° | 161291 | 211341 | 179168 |
| 30° | 146785 | 205547 | 173857 |
| 35° | 144599 | 178106 | 159958 |
| 40° | 148529 | 123527 | 151637 |
| 45° | 138271 | 74659 | 142584 |
| 50° | 119932 | 46107 | 127051 |
| 55° | 92040 | 24091 | 107824 |
| 60° | 62703 | 9720 | 81383 |
| 65° | 39007 | 4962 | 56147 |
| 70° | 21178 | 3065 | 34270 |
| 75° | 11044 | 1465 | 20254 |
| 80° | 4937 | 1651 | 10974 |
| 85° | 3290 | 1097 | 9836 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 559.9 | 5.0 |
| 10°-20° | 1658.6 | 14.8 |
| 20°-30° | 2530.4 | 22.5 |
| 30°-40° | 2640.5 | 23.5 |
| 40°-50° | 1983.4 | 17.7 |
| 50°-60° | 1220.3 | 10.9 |
| 60°-70° | 496.6 | 4.4 |
| 70°-80° | 117.0 | 1.0 |
| 80°-90° | 16.1 | 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° | 4749.0 | 42.3 |
| 0°-40° | 7389.5 | 65.8 |
| 0°-60° | 10593.2 | 94.4 |
| 0°-90° | 11223.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 11223.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5822 | 5822 | 5822 | 5822 | 5822 | |
| 5° | 5834 | 5850 | 5856 | 5850 | 5850 | 552 |
| 15° | 5411 | 5791 | 6159 | 5989 | 5708 | 1524 |
| 25° | 4740 | 5272 | 6212 | 5720 | 5266 | 2155 |
| 35° | 3841 | 3949 | 4731 | 4373 | 4249 | 2425 |
| 45° | 3171 | 2744 | 1712 | 2556 | 3270 | 2419 |
| 55° | 1712 | 1626 | 448 | 1626 | 2006 | 1539 |
| 65° | 535 | 541 | 68 | 726 | 770 | 558 |
| 75° | 93 | 93 | 12 | 164 | 170 | 112 |
| 85° | 9 | 9 | 3 | 22 | 28 | 13 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 |
| 2.5° | 5837.6 | 5828.3 | 5837.6 | 5837.6 | 5840.7 | 5834.5 | 5837.6 | 5840.7 | 5834.5 | 5834.5 | 5834.5 |
| 5° | 5834.5 | 5828.3 | 5834.5 | 5831.4 | 5837.6 | 5837.6 | 5843.8 | 5843.8 | 5849.9 | 5849.9 | 5859.2 |
| 7.5° | 5785.0 | 5772.7 | 5785.0 | 5794.3 | 5800.5 | 5812.9 | 5828.3 | 5840.7 | 5853.0 | 5865.4 | 5880.8 |
| 10° | 5683.0 | 5683.0 | 5692.3 | 5710.9 | 5729.4 | 5751.0 | 5778.8 | 5809.8 | 5840.7 | 5868.4 | 5896.3 |
| 12.5° | 5556.4 | 5547.1 | 5565.6 | 5590.3 | 5618.2 | 5652.2 | 5695.4 | 5741.8 | 5791.2 | 5846.8 | 5890.1 |
| 15° | 5411.1 | 5401.8 | 5423.5 | 5448.2 | 5482.2 | 5531.7 | 5584.2 | 5646.0 | 5717.1 | 5791.2 | 5862.3 |
| 17.5° | 5262.8 | 5259.7 | 5281.3 | 5315.3 | 5343.2 | 5395.6 | 5463.7 | 5537.8 | 5618.2 | 5717.1 | 5809.8 |
| 20° | 5111.4 | 5108.3 | 5129.9 | 5157.7 | 5194.8 | 5244.2 | 5312.2 | 5398.7 | 5494.5 | 5605.8 | 5714.0 |
| 22.5° | 4953.7 | 4956.8 | 4975.4 | 5006.3 | 5037.2 | 5089.7 | 5160.8 | 5247.3 | 5352.4 | 5472.9 | 5593.4 |
| 25° | 4740.5 | 4725.1 | 4749.8 | 4780.7 | 4833.2 | 4876.5 | 4944.5 | 5037.2 | 5145.3 | 5272.1 | 5414.2 |
| 27.5° | 4431.5 | 4428.4 | 4450.1 | 4477.8 | 4524.2 | 4576.7 | 4650.9 | 4746.7 | 4861.0 | 5000.1 | 5139.1 |
| 30° | 4122.4 | 4128.6 | 4137.9 | 4165.8 | 4196.6 | 4249.2 | 4323.3 | 4403.7 | 4511.8 | 4644.7 | 4793.1 |
| 32.5° | 3912.3 | 3912.3 | 3924.7 | 3943.2 | 3964.9 | 3992.7 | 4045.2 | 4103.9 | 4187.4 | 4280.1 | 4388.2 |
| 35° | 3841.2 | 3828.9 | 3841.2 | 3844.3 | 3847.4 | 3853.6 | 3862.8 | 3881.4 | 3909.2 | 3949.4 | 3989.6 |
| 37.5° | 3810.4 | 3801.1 | 3801.1 | 3788.7 | 3773.2 | 3754.7 | 3730.0 | 3702.2 | 3671.3 | 3631.1 | 3600.2 |
| 40° | 3689.8 | 3683.6 | 3677.4 | 3665.1 | 3631.1 | 3594.0 | 3553.8 | 3488.9 | 3417.9 | 3319.0 | 3220.1 |
| 42.5° | 3458.1 | 3451.9 | 3448.8 | 3424.1 | 3393.1 | 3349.9 | 3303.5 | 3235.5 | 3145.9 | 3019.2 | 2877.1 |
| 45° | 3170.7 | 3158.3 | 3149.0 | 3127.4 | 3105.7 | 3068.7 | 3025.4 | 2963.6 | 2874.0 | 2744.2 | 2574.2 |
| 47.5° | 2836.9 | 2830.7 | 2827.6 | 2818.4 | 2796.8 | 2775.1 | 2747.3 | 2697.9 | 2617.5 | 2493.8 | 2317.7 |
| 50° | 2500.0 | 2487.7 | 2493.8 | 2490.8 | 2481.5 | 2466.1 | 2447.5 | 2413.5 | 2351.7 | 2240.5 | 2079.8 |
| 52.5° | 2113.7 | 2113.7 | 2110.7 | 2119.9 | 2123.0 | 2119.9 | 2123.0 | 2086.0 | 2033.4 | 1950.0 | 1814.0 |
| 55° | 1712.0 | 1712.0 | 1721.3 | 1733.7 | 1746.0 | 1749.1 | 1746.0 | 1730.6 | 1693.5 | 1625.5 | 1505.0 |
| 57.5° | 1335.0 | 1328.8 | 1347.4 | 1365.9 | 1378.3 | 1390.6 | 1381.3 | 1369.0 | 1347.4 | 1291.7 | 1199.0 |
| 60° | 1016.7 | 1016.7 | 1029.0 | 1041.4 | 1053.8 | 1066.2 | 1063.1 | 1060.0 | 1041.4 | 1004.3 | 930.2 |
| 62.5° | 747.8 | 750.9 | 750.9 | 760.2 | 772.6 | 785.0 | 794.2 | 785.0 | 775.7 | 750.9 | 701.5 |
| 65° | 534.6 | 531.5 | 534.6 | 543.9 | 553.2 | 565.5 | 571.7 | 568.6 | 559.3 | 540.8 | 503.7 |
| 67.5° | 358.5 | 355.4 | 367.7 | 370.8 | 377.0 | 389.4 | 386.3 | 389.4 | 386.3 | 370.8 | 340.0 |
| 70° | 234.9 | 228.7 | 234.9 | 231.8 | 241.1 | 244.2 | 250.3 | 253.4 | 250.3 | 241.1 | 231.8 |
| 72.5° | 145.3 | 142.2 | 145.3 | 148.4 | 151.5 | 154.5 | 160.7 | 160.7 | 157.6 | 151.5 | 139.1 |
| 75° | 92.7 | 83.4 | 86.5 | 80.4 | 86.5 | 86.5 | 92.7 | 95.8 | 92.7 | 92.7 | 86.5 |
| 77.5° | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 58.8 | 61.8 | 55.7 | 52.6 |
| 80° | 27.8 | 27.8 | 30.9 | 30.9 | 30.9 | 34.0 | 30.9 | 30.9 | 30.9 | 34.0 | 24.7 |
| 82.5° | 21.6 | 18.5 | 18.5 | 18.5 | 21.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 85° | 9.3 | 12.3 | 9.3 | 6.2 | 9.3 | 9.3 | 12.3 | 9.3 | 9.3 | 9.3 | 12.3 |
| 87.5° | 3.1 | 3.1 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 | 3.1 | 6.2 | 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: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 |
| 2.5° | 5837.6 | 5831.4 | 5831.4 | 5828.3 | 5834.5 | 5828.3 | 5831.4 | 5828.3 | 5828.3 | 5834.5 | 5828.3 |
| 5° | 5859.2 | 5862.3 | 5856.1 | 5853.0 | 5862.3 | 5862.3 | 5862.3 | 5856.1 | 5856.1 | 5859.2 | 5856.1 |
| 7.5° | 5890.1 | 5896.3 | 5899.4 | 5902.5 | 5908.7 | 5911.8 | 5911.8 | 5908.7 | 5905.6 | 5914.9 | 5902.5 |
| 10° | 5924.1 | 5933.4 | 5951.9 | 5961.2 | 5976.7 | 5976.7 | 5982.9 | 5982.9 | 5976.7 | 5982.9 | 5979.8 |
| 12.5° | 5911.8 | 5967.4 | 5998.3 | 6019.9 | 6041.5 | 6060.1 | 6066.3 | 6069.4 | 6066.3 | 6078.7 | 6066.3 |
| 15° | 5933.4 | 5979.8 | 6029.2 | 6066.3 | 6106.4 | 6128.0 | 6134.2 | 6159.0 | 6165.2 | 6168.3 | 6149.7 |
| 17.5° | 5899.4 | 5982.9 | 6035.3 | 6091.0 | 6149.7 | 6189.9 | 6226.9 | 6242.4 | 6245.5 | 6251.7 | 6226.9 |
| 20° | 5822.1 | 5914.9 | 5995.2 | 6075.6 | 6143.5 | 6205.3 | 6236.2 | 6279.5 | 6267.2 | 6291.9 | 6257.9 |
| 22.5° | 5717.1 | 5822.1 | 5924.1 | 6029.2 | 6100.3 | 6174.5 | 6239.3 | 6270.2 | 6285.7 | 6285.7 | 6248.6 |
| 25° | 5550.2 | 5673.8 | 5785.0 | 5893.2 | 6001.4 | 6091.0 | 6165.2 | 6211.5 | 6220.8 | 6217.7 | 6174.5 |
| 27.5° | 5290.6 | 5423.5 | 5553.3 | 5676.9 | 5809.8 | 5914.9 | 6001.4 | 6057.0 | 6072.5 | 6072.5 | 6026.1 |
| 30° | 4932.1 | 5074.3 | 5201.0 | 5349.3 | 5485.3 | 5602.7 | 5723.3 | 5772.7 | 5800.5 | 5800.5 | 5748.0 |
| 32.5° | 4505.6 | 4626.2 | 4743.6 | 4888.9 | 5037.2 | 5170.1 | 5284.4 | 5352.4 | 5386.4 | 5383.3 | 5337.0 |
| 35° | 4042.1 | 4100.8 | 4190.5 | 4298.6 | 4431.5 | 4555.1 | 4666.3 | 4731.3 | 4790.0 | 4786.9 | 4743.6 |
| 37.5° | 3578.5 | 3563.1 | 3572.4 | 3612.6 | 3696.0 | 3782.5 | 3869.0 | 3930.9 | 3980.3 | 4002.0 | 3992.7 |
| 40° | 3124.3 | 3043.9 | 2966.7 | 2938.9 | 2945.0 | 2976.0 | 3022.3 | 3068.7 | 3124.3 | 3152.1 | 3164.5 |
| 42.5° | 2716.4 | 2580.4 | 2444.4 | 2342.5 | 2283.7 | 2265.2 | 2286.8 | 2302.2 | 2336.3 | 2376.4 | 2416.6 |
| 45° | 2388.8 | 2206.5 | 2027.2 | 1869.6 | 1770.7 | 1712.0 | 1699.7 | 1712.0 | 1730.6 | 1770.7 | 1823.3 |
| 47.5° | 2119.9 | 1906.7 | 1705.9 | 1529.7 | 1384.4 | 1307.2 | 1285.6 | 1279.4 | 1297.9 | 1335.0 | 1406.1 |
| 50° | 1882.0 | 1668.7 | 1446.3 | 1242.3 | 1090.9 | 1004.3 | 973.5 | 961.1 | 982.7 | 1010.5 | 1075.4 |
| 52.5° | 1622.4 | 1412.3 | 1183.6 | 985.8 | 828.2 | 738.6 | 704.6 | 686.1 | 698.4 | 735.5 | 800.4 |
| 55° | 1341.2 | 1146.5 | 939.4 | 735.5 | 584.0 | 500.6 | 460.4 | 448.1 | 460.4 | 500.6 | 565.5 |
| 57.5° | 1060.0 | 896.2 | 723.1 | 531.5 | 395.5 | 312.1 | 271.9 | 259.6 | 293.6 | 309.0 | 377.0 |
| 60° | 828.2 | 695.4 | 547.0 | 389.4 | 271.9 | 207.0 | 166.9 | 157.6 | 173.1 | 200.8 | 256.5 |
| 62.5° | 621.2 | 537.7 | 420.3 | 278.1 | 200.8 | 132.9 | 111.2 | 102.0 | 111.2 | 132.9 | 176.2 |
| 65° | 451.2 | 386.3 | 293.6 | 203.9 | 136.0 | 98.9 | 74.2 | 68.0 | 77.3 | 92.7 | 129.8 |
| 67.5° | 309.0 | 259.6 | 203.9 | 142.2 | 92.7 | 61.8 | 52.6 | 52.6 | 55.7 | 68.0 | 95.8 |
| 70° | 200.8 | 170.0 | 129.8 | 92.7 | 61.8 | 46.4 | 40.2 | 34.0 | 40.2 | 49.5 | 64.9 |
| 72.5° | 126.7 | 108.1 | 83.4 | 64.9 | 46.4 | 34.0 | 27.8 | 24.7 | 30.9 | 37.1 | 49.5 |
| 75° | 77.3 | 58.8 | 43.3 | 34.0 | 24.7 | 24.7 | 24.7 | 12.3 | 15.4 | 24.7 | 30.9 |
| 77.5° | 46.4 | 40.2 | 34.0 | 27.8 | 21.6 | 12.3 | 12.3 | 12.3 | 15.4 | 18.5 | 27.8 |
| 80° | 24.7 | 21.6 | 15.4 | 15.4 | 12.3 | 9.3 | 12.3 | 9.3 | 6.2 | 15.4 | 18.5 |
| 82.5° | 15.4 | 12.3 | 12.3 | 12.3 | 15.4 | 6.2 | 9.3 | 6.2 | 9.3 | 12.3 | 9.3 |
| 85° | 9.3 | 9.3 | 9.3 | 6.2 | 15.4 | 6.2 | 6.2 | 3.1 | 3.1 | 6.2 | 6.2 |
| 87.5° | 0.0 | 3.1 | 3.1 | 0.0 | 3.1 | 0.0 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 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: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 | 5822.1 |
| 2.5° | 5831.4 | 5828.3 | 5831.4 | 5828.3 | 5828.3 | 5828.3 | 5831.4 | 5831.4 | 5828.3 | 5828.3 | 5834.5 |
| 5° | 5856.1 | 5856.1 | 5856.1 | 5853.0 | 5849.9 | 5849.9 | 5856.1 | 5856.1 | 5846.8 | 5856.1 | 5856.1 |
| 7.5° | 5908.7 | 5899.4 | 5908.7 | 5896.3 | 5890.1 | 5893.2 | 5896.3 | 5890.1 | 5883.9 | 5887.0 | 5887.0 |
| 10° | 5976.7 | 5967.4 | 5967.4 | 5958.1 | 5948.8 | 5942.6 | 5936.5 | 5921.0 | 5905.6 | 5902.5 | 5890.1 |
| 12.5° | 6057.0 | 6041.5 | 6032.3 | 6013.7 | 5998.3 | 5976.7 | 5958.1 | 5933.4 | 5902.5 | 5880.8 | 5859.2 |
| 15° | 6137.3 | 6112.6 | 6091.0 | 6060.1 | 6026.1 | 5989.0 | 5948.8 | 5908.7 | 5859.2 | 5816.0 | 5778.8 |
| 17.5° | 6202.2 | 6168.3 | 6128.0 | 6078.7 | 6029.2 | 5973.6 | 5914.9 | 5856.1 | 5785.0 | 5729.4 | 5686.1 |
| 20° | 6223.8 | 6174.5 | 6121.9 | 6057.0 | 5992.1 | 5914.9 | 5840.7 | 5763.4 | 5683.0 | 5624.4 | 5574.9 |
| 22.5° | 6196.1 | 6137.3 | 6072.5 | 6004.5 | 5917.9 | 5834.5 | 5748.0 | 5658.3 | 5587.2 | 5506.9 | 5460.6 |
| 25° | 6118.8 | 6047.7 | 5976.7 | 5896.3 | 5812.9 | 5720.2 | 5627.5 | 5534.8 | 5448.2 | 5404.9 | 5346.3 |
| 27.5° | 5961.2 | 5883.9 | 5806.7 | 5723.3 | 5627.5 | 5534.8 | 5439.0 | 5349.3 | 5275.2 | 5216.4 | 5182.5 |
| 30° | 5683.0 | 5593.4 | 5503.8 | 5414.2 | 5330.8 | 5234.9 | 5145.3 | 5071.2 | 4997.0 | 4950.6 | 4916.7 |
| 32.5° | 5256.6 | 5176.3 | 5086.7 | 5000.1 | 4922.9 | 4842.5 | 4768.3 | 4703.5 | 4650.9 | 4620.0 | 4595.3 |
| 35° | 4681.8 | 4601.4 | 4533.5 | 4471.7 | 4406.7 | 4372.8 | 4326.4 | 4289.3 | 4267.7 | 4255.4 | 4252.3 |
| 37.5° | 3958.7 | 3912.3 | 3890.7 | 3878.3 | 3865.9 | 3856.7 | 3862.8 | 3878.3 | 3890.7 | 3912.3 | 3937.0 |
| 40° | 3186.1 | 3226.2 | 3238.6 | 3281.9 | 3322.1 | 3374.6 | 3433.4 | 3501.3 | 3556.9 | 3628.0 | 3677.4 |
| 42.5° | 2481.5 | 2555.7 | 2642.2 | 2734.9 | 2833.8 | 2929.6 | 3047.0 | 3155.2 | 3254.1 | 3343.7 | 3421.0 |
| 45° | 1906.7 | 2021.0 | 2150.9 | 2283.7 | 2416.6 | 2555.7 | 2697.9 | 2830.7 | 2948.1 | 3043.9 | 3124.3 |
| 47.5° | 1486.4 | 1613.2 | 1780.0 | 1943.8 | 2104.5 | 2268.3 | 2425.9 | 2564.9 | 2663.8 | 2756.5 | 2827.6 |
| 50° | 1177.4 | 1322.7 | 1505.0 | 1693.5 | 1869.6 | 2042.7 | 2209.5 | 2339.4 | 2438.3 | 2512.4 | 2564.9 |
| 52.5° | 911.6 | 1084.7 | 1270.1 | 1467.9 | 1656.4 | 1844.9 | 1999.4 | 2119.9 | 2200.3 | 2265.2 | 2305.3 |
| 55° | 679.9 | 849.8 | 1047.6 | 1251.6 | 1443.2 | 1625.5 | 1770.7 | 1875.8 | 1946.9 | 1984.0 | 2005.6 |
| 57.5° | 491.3 | 645.9 | 843.6 | 1047.6 | 1220.6 | 1393.7 | 1511.2 | 1607.0 | 1647.1 | 1668.7 | 1678.0 |
| 60° | 358.5 | 500.6 | 676.8 | 852.9 | 1016.7 | 1155.8 | 1257.8 | 1322.7 | 1353.6 | 1365.9 | 1362.8 |
| 62.5° | 262.7 | 386.3 | 537.7 | 686.1 | 818.9 | 933.2 | 1013.6 | 1056.9 | 1072.4 | 1078.5 | 1069.3 |
| 65° | 200.8 | 296.6 | 426.5 | 540.8 | 642.8 | 726.2 | 785.0 | 812.8 | 822.0 | 818.9 | 812.8 |
| 67.5° | 148.4 | 222.5 | 318.3 | 404.8 | 479.0 | 543.9 | 574.8 | 599.5 | 605.7 | 596.4 | 587.1 |
| 70° | 105.1 | 163.8 | 231.8 | 290.5 | 346.1 | 383.2 | 417.2 | 420.3 | 420.3 | 417.2 | 411.0 |
| 72.5° | 74.2 | 114.3 | 157.6 | 197.8 | 231.8 | 259.6 | 271.9 | 281.2 | 278.1 | 275.0 | 268.9 |
| 75° | 49.5 | 71.1 | 114.3 | 123.6 | 154.5 | 163.8 | 176.2 | 176.2 | 179.2 | 170.0 | 170.0 |
| 77.5° | 30.9 | 49.5 | 68.0 | 80.4 | 92.7 | 105.1 | 111.2 | 111.2 | 114.3 | 111.2 | 111.2 |
| 80° | 18.5 | 30.9 | 37.1 | 55.7 | 55.7 | 64.9 | 68.0 | 71.1 | 64.9 | 74.2 | 64.9 |
| 82.5° | 12.3 | 18.5 | 27.8 | 27.8 | 34.0 | 40.2 | 40.2 | 43.3 | 43.3 | 40.2 | 40.2 |
| 85° | 9.3 | 12.3 | 15.4 | 18.5 | 18.5 | 21.6 | 18.5 | 18.5 | 21.6 | 24.7 | 21.6 |
| 87.5° | 3.1 | 6.2 | 3.1 | 6.2 | 6.2 | 12.3 | 9.3 | 9.3 | 9.3 | 12.3 | 12.3 |
| 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: P248511

CATALOG NUMBER: LSR8B120D010 EC8B120940 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 5822.1 | 5822.1 | 5822.1 | 5822.1 |
| 2.5° | 5828.3 | 5831.4 | 5828.3 | 5828.3 |
| 5° | 5856.1 | 5853.0 | 5856.1 | 5849.9 |
| 7.5° | 5877.7 | 5877.7 | 5874.6 | 5874.6 |
| 10° | 5877.7 | 5865.4 | 5865.4 | 5865.4 |
| 12.5° | 5831.4 | 5816.0 | 5806.7 | 5800.5 |
| 15° | 5751.0 | 5723.3 | 5710.9 | 5707.8 |
| 17.5° | 5646.0 | 5621.3 | 5605.8 | 5596.5 |
| 20° | 5525.5 | 5500.7 | 5482.2 | 5485.3 |
| 22.5° | 5420.4 | 5392.6 | 5380.2 | 5374.0 |
| 25° | 5315.3 | 5281.3 | 5272.1 | 5265.9 |
| 27.5° | 5145.3 | 5126.8 | 5117.5 | 5108.3 |
| 30° | 4885.8 | 4876.5 | 4861.0 | 4882.7 |
| 32.5° | 4586.0 | 4570.5 | 4558.2 | 4567.5 |
| 35° | 4255.4 | 4246.1 | 4255.4 | 4249.2 |
| 37.5° | 3952.5 | 3961.8 | 3974.1 | 3980.3 |
| 40° | 3714.6 | 3748.5 | 3760.9 | 3767.0 |
| 42.5° | 3476.6 | 3516.8 | 3541.5 | 3556.9 |
| 45° | 3183.0 | 3223.1 | 3251.0 | 3269.6 |
| 47.5° | 2880.2 | 2914.2 | 2941.9 | 2938.9 |
| 50° | 2605.1 | 2623.7 | 2636.0 | 2648.4 |
| 52.5° | 2327.0 | 2327.0 | 2330.1 | 2330.1 |
| 55° | 2011.8 | 2005.6 | 2002.5 | 2005.6 |
| 57.5° | 1665.6 | 1659.5 | 1656.4 | 1647.1 |
| 60° | 1350.5 | 1331.9 | 1319.6 | 1319.6 |
| 62.5° | 1056.9 | 1035.2 | 1026.0 | 1022.9 |
| 65° | 794.2 | 791.1 | 772.6 | 769.5 |
| 67.5° | 574.8 | 562.4 | 550.1 | 553.2 |
| 70° | 404.8 | 386.3 | 386.3 | 380.1 |
| 72.5° | 262.7 | 253.4 | 250.3 | 250.3 |
| 75° | 163.8 | 163.8 | 157.6 | 170.0 |
| 77.5° | 108.1 | 108.1 | 105.1 | 108.1 |
| 80° | 64.9 | 64.9 | 64.9 | 61.8 |
| 82.5° | 40.2 | 43.3 | 40.2 | 40.2 |
| 85° | 21.6 | 24.7 | 18.5 | 27.8 |
| 87.5° | 12.3 | 15.4 | 12.3 | 15.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)