

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: P249258

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249258
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: LSR8B120D010 EC8B120935 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10607.0 lumens
Efficiency: N/A
Efficacy: 89.7 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

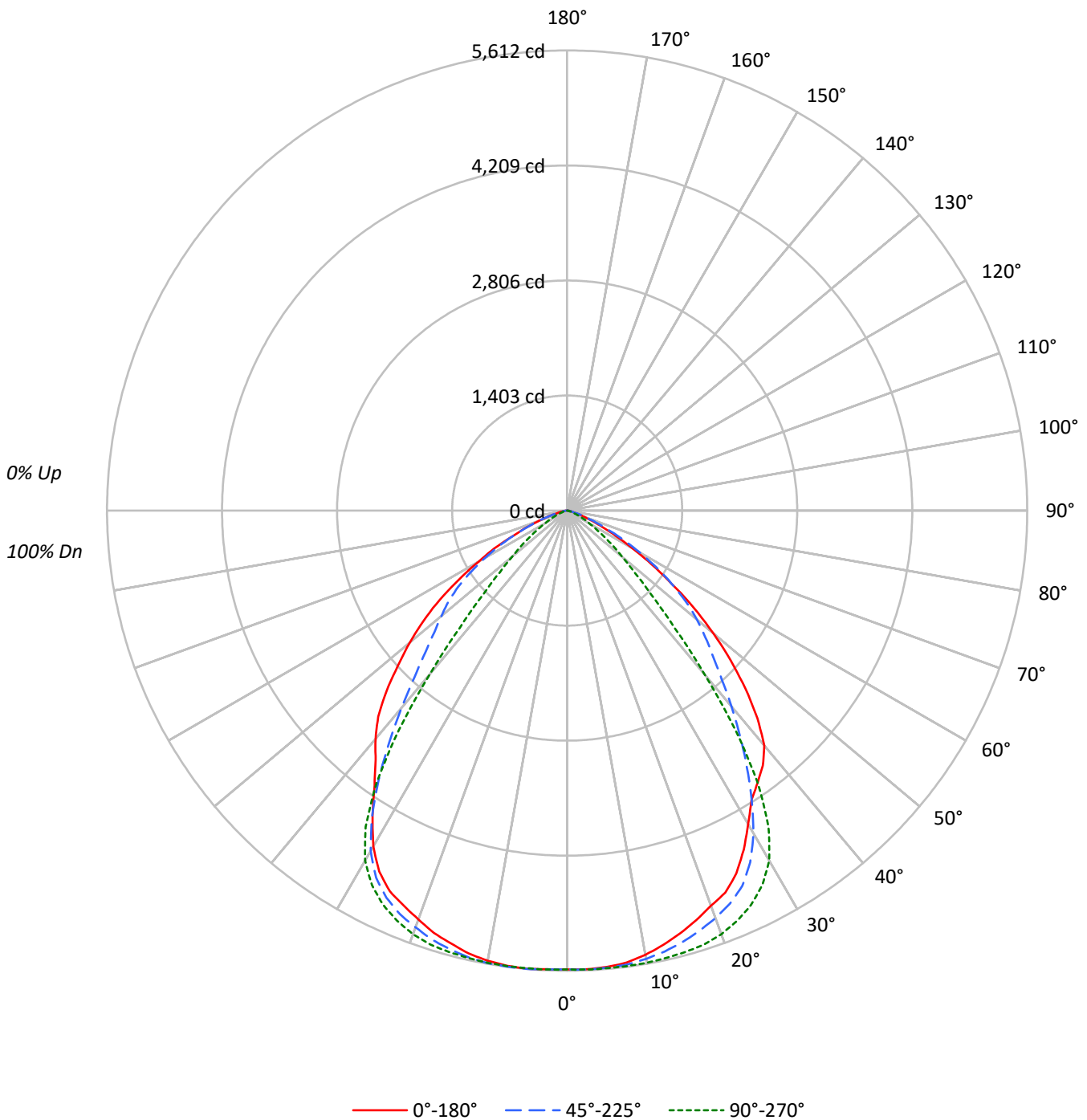
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249258

CATALOG NUMBER: LSR8B120D010 EC8B120935 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249258

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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° | 172575 | 172575 | 172575 |
| 5° | 172953 | 173420 | 173606 |
| 10° | 172225 | 175332 | 174577 |
| 15° | 170318 | 177894 | 174539 |
| 20° | 168274 | 180396 | 174089 |
| 25° | 166089 | 180603 | 174268 |
| 30° | 157129 | 175527 | 168359 |
| 35° | 152436 | 152549 | 154134 |
| 40° | 150550 | 104962 | 146319 |
| 45° | 134146 | 63011 | 135982 |
| 50° | 111542 | 41938 | 120191 |
| 55° | 83658 | 28908 | 101905 |
| 60° | 56689 | 19267 | 76887 |
| 65° | 34199 | 12499 | 52819 |
| 70° | 18961 | 6771 | 32502 |
| 75° | 8590 | 2859 | 16823 |
| 80° | 7458 | 3196 | 11738 |
| 85° | 8491 | 4246 | 11711 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 534.1 | 5.0 |
| 10°-20° | 1551.1 | 14.6 |
| 20°-30° | 2354.3 | 22.2 |
| 30°-40° | 2472.7 | 23.3 |
| 40°-50° | 1853.9 | 17.5 |
| 50°-60° | 1189.5 | 11.2 |
| 60°-70° | 508.8 | 4.8 |
| 70°-80° | 120.2 | 1.1 |
| 80°-90° | 22.4 | 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° | 4439.5 | 41.9 |
| 0°-40° | 6912.2 | 65.2 |
| 0°-60° | 9955.6 | 93.9 |
| 0°-90° | 10607.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10607.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5596 | 5596 | 5596 | 5596 | 5596 | |
| 5° | 5587 | 5596 | 5602 | 5612 | 5608 | 531 |
| 15° | 5335 | 5446 | 5572 | 5536 | 5467 | 1505 |
| 25° | 4882 | 5053 | 5308 | 5212 | 5122 | 2230 |
| 35° | 4049 | 3824 | 4052 | 4004 | 4094 | 2541 |
| 45° | 3076 | 2514 | 1445 | 2442 | 3118 | 2356 |
| 55° | 1556 | 1556 | 538 | 1622 | 1896 | 1411 |
| 65° | 469 | 553 | 171 | 712 | 724 | 500 |
| 75° | 72 | 84 | 24 | 144 | 141 | 105 |
| 85° | 24 | 15 | 12 | 24 | 33 | 25 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249258

CATALOG NUMBER: LSR8B120D010 EC8B120935 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 |
| 2.5° | 5599.5 | 5605.5 | 5602.5 | 5602.5 | 5599.5 | 5602.5 | 5602.5 | 5608.5 | 5608.5 | 5602.5 | 5599.5 |
| 5° | 5587.4 | 5593.4 | 5593.4 | 5587.4 | 5587.4 | 5602.5 | 5593.4 | 5599.5 | 5599.5 | 5596.5 | 5596.5 |
| 7.5° | 5560.4 | 5560.4 | 5572.4 | 5563.5 | 5563.5 | 5572.4 | 5569.4 | 5575.4 | 5581.5 | 5584.5 | 5584.5 |
| 10° | 5500.3 | 5506.3 | 5509.4 | 5509.4 | 5512.4 | 5521.3 | 5527.4 | 5539.4 | 5545.4 | 5551.4 | 5554.4 |
| 12.5° | 5425.3 | 5434.2 | 5437.3 | 5434.2 | 5443.3 | 5455.3 | 5470.3 | 5485.3 | 5494.4 | 5506.3 | 5515.4 |
| 15° | 5335.1 | 5335.1 | 5341.1 | 5350.2 | 5356.2 | 5374.2 | 5389.2 | 5407.2 | 5431.2 | 5446.3 | 5461.3 |
| 17.5° | 5236.0 | 5242.0 | 5251.0 | 5251.0 | 5263.0 | 5293.0 | 5302.1 | 5329.1 | 5356.2 | 5371.2 | 5401.2 |
| 20° | 5127.9 | 5133.8 | 5142.9 | 5148.9 | 5163.9 | 5187.9 | 5205.9 | 5230.0 | 5260.0 | 5287.1 | 5317.1 |
| 22.5° | 5043.7 | 5031.7 | 5037.7 | 5043.7 | 5058.8 | 5079.8 | 5100.8 | 5130.8 | 5160.9 | 5187.9 | 5218.0 |
| 25° | 4881.5 | 4884.5 | 4893.5 | 4899.5 | 4917.6 | 4935.6 | 4959.6 | 4995.6 | 5022.7 | 5052.8 | 5085.8 |
| 27.5° | 4662.2 | 4665.2 | 4680.2 | 4680.2 | 4695.2 | 4725.3 | 4740.3 | 4770.4 | 4806.4 | 4836.4 | 4875.5 |
| 30° | 4412.9 | 4418.9 | 4418.9 | 4430.9 | 4439.9 | 4455.0 | 4470.0 | 4500.0 | 4518.0 | 4545.1 | 4599.2 |
| 32.5° | 4184.6 | 4190.6 | 4187.6 | 4184.6 | 4175.6 | 4172.6 | 4169.5 | 4175.6 | 4181.6 | 4190.6 | 4211.6 |
| 35° | 4049.4 | 4034.4 | 4022.4 | 4001.4 | 3977.3 | 3947.3 | 3920.2 | 3884.2 | 3851.1 | 3824.1 | 3794.1 |
| 37.5° | 3920.2 | 3917.2 | 3899.2 | 3869.1 | 3821.1 | 3767.0 | 3704.0 | 3625.8 | 3547.7 | 3463.6 | 3382.5 |
| 40° | 3740.0 | 3731.0 | 3716.0 | 3673.9 | 3619.8 | 3553.7 | 3469.6 | 3373.5 | 3247.3 | 3118.2 | 2986.0 |
| 42.5° | 3433.6 | 3436.6 | 3418.6 | 3385.5 | 3334.5 | 3271.3 | 3184.2 | 3079.1 | 2943.9 | 2790.7 | 2619.5 |
| 45° | 3076.1 | 3076.1 | 3070.1 | 3043.0 | 3007.0 | 2955.9 | 2889.9 | 2802.8 | 2670.6 | 2514.3 | 2331.1 |
| 47.5° | 2703.6 | 2706.6 | 2697.6 | 2691.6 | 2676.5 | 2643.5 | 2595.5 | 2529.4 | 2436.3 | 2286.0 | 2102.8 |
| 50° | 2325.1 | 2325.1 | 2340.1 | 2337.1 | 2337.1 | 2325.1 | 2304.1 | 2265.0 | 2183.9 | 2063.8 | 1892.6 |
| 52.5° | 1946.6 | 1952.6 | 1961.7 | 1973.6 | 1988.6 | 2012.7 | 1988.6 | 1970.6 | 1919.5 | 1826.4 | 1679.3 |
| 55° | 1556.1 | 1562.1 | 1577.1 | 1598.1 | 1616.2 | 1640.2 | 1646.2 | 1646.2 | 1619.1 | 1556.1 | 1444.9 |
| 57.5° | 1222.7 | 1213.6 | 1225.7 | 1243.7 | 1267.7 | 1291.7 | 1309.8 | 1330.8 | 1327.8 | 1285.7 | 1195.6 |
| 60° | 919.2 | 922.2 | 931.2 | 949.3 | 967.3 | 988.3 | 1012.4 | 1030.4 | 1039.4 | 1018.4 | 961.3 |
| 62.5° | 669.9 | 669.9 | 681.9 | 699.9 | 708.9 | 739.0 | 754.0 | 763.0 | 772.0 | 769.0 | 733.0 |
| 65° | 468.7 | 474.6 | 480.6 | 489.7 | 498.6 | 516.7 | 525.7 | 543.7 | 549.7 | 552.7 | 525.7 |
| 67.5° | 330.5 | 321.4 | 327.5 | 333.4 | 342.5 | 354.5 | 372.5 | 372.5 | 381.5 | 381.5 | 363.5 |
| 70° | 210.3 | 210.3 | 213.3 | 222.3 | 228.3 | 231.3 | 237.3 | 243.3 | 252.3 | 249.3 | 249.3 |
| 72.5° | 141.2 | 138.2 | 141.2 | 144.2 | 147.2 | 156.2 | 156.2 | 159.2 | 165.2 | 168.2 | 156.2 |
| 75° | 72.1 | 75.1 | 81.1 | 78.1 | 87.1 | 81.1 | 84.1 | 93.1 | 90.1 | 84.1 | 84.1 |
| 77.5° | 60.1 | 60.1 | 60.1 | 57.1 | 63.1 | 63.1 | 60.1 | 66.1 | 63.1 | 63.1 | 60.1 |
| 80° | 42.0 | 45.1 | 42.0 | 39.0 | 42.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 36.0 |
| 82.5° | 33.1 | 27.0 | 30.1 | 27.0 | 30.1 | 30.1 | 27.0 | 24.0 | 24.0 | 27.0 | 24.0 |
| 85° | 24.0 | 18.0 | 21.0 | 21.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 15.0 | 15.0 |
| 87.5° | 15.0 | 9.0 | 9.0 | 9.0 | 12.0 | 12.0 | 12.0 | 9.0 | 12.0 | 12.0 | 6.0 |
| 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: P249258

CATALOG NUMBER: LSR8B120D010 EC8B120935 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 |
| 2.5° | 5605.5 | 5602.5 | 5608.5 | 5605.5 | 5605.5 | 5602.5 | 5605.5 | 5602.5 | 5608.5 | 5596.5 | 5599.5 |
| 5° | 5605.5 | 5599.5 | 5602.5 | 5605.5 | 5608.5 | 5602.5 | 5602.5 | 5602.5 | 5608.5 | 5602.5 | 5605.5 |
| 7.5° | 5593.4 | 5590.4 | 5599.5 | 5605.5 | 5602.5 | 5599.5 | 5605.5 | 5602.5 | 5608.5 | 5605.5 | 5611.5 |
| 10° | 5569.4 | 5572.4 | 5578.5 | 5587.4 | 5590.4 | 5593.4 | 5599.5 | 5599.5 | 5608.5 | 5596.5 | 5602.5 |
| 12.5° | 5533.4 | 5545.4 | 5560.4 | 5566.4 | 5578.5 | 5578.5 | 5584.5 | 5587.4 | 5593.4 | 5590.4 | 5599.5 |
| 15° | 5488.3 | 5503.3 | 5521.3 | 5536.4 | 5551.4 | 5560.4 | 5569.4 | 5572.4 | 5581.5 | 5572.4 | 5575.4 |
| 17.5° | 5434.2 | 5452.2 | 5479.3 | 5497.3 | 5521.3 | 5530.4 | 5542.4 | 5548.4 | 5557.4 | 5551.4 | 5554.4 |
| 20° | 5359.1 | 5380.2 | 5410.2 | 5437.3 | 5452.2 | 5473.3 | 5488.3 | 5497.3 | 5503.3 | 5497.3 | 5500.3 |
| 22.5° | 5254.0 | 5284.1 | 5323.1 | 5344.1 | 5374.2 | 5392.2 | 5395.2 | 5416.2 | 5431.2 | 5416.2 | 5422.3 |
| 25° | 5130.8 | 5160.9 | 5190.9 | 5236.0 | 5263.0 | 5284.1 | 5305.1 | 5308.1 | 5323.1 | 5320.1 | 5317.1 |
| 27.5° | 4926.6 | 4965.7 | 5016.7 | 5052.8 | 5088.8 | 5121.9 | 5145.9 | 5151.8 | 5166.9 | 5160.9 | 5163.9 |
| 30° | 4647.2 | 4689.3 | 4737.4 | 4794.4 | 4845.5 | 4878.5 | 4908.5 | 4929.6 | 4944.6 | 4935.6 | 4932.6 |
| 32.5° | 4250.7 | 4292.7 | 4343.8 | 4400.9 | 4461.0 | 4509.0 | 4545.1 | 4572.1 | 4590.1 | 4584.1 | 4569.1 |
| 35° | 3797.1 | 3809.1 | 3842.2 | 3887.2 | 3938.2 | 3989.3 | 4022.4 | 4052.4 | 4073.4 | 4079.4 | 4079.4 |
| 37.5° | 3331.5 | 3292.4 | 3268.4 | 3268.4 | 3298.4 | 3319.4 | 3349.5 | 3367.5 | 3400.6 | 3412.5 | 3421.6 |
| 40° | 2880.8 | 2790.7 | 2706.6 | 2643.5 | 2601.5 | 2598.5 | 2598.5 | 2607.5 | 2637.5 | 2676.5 | 2712.6 |
| 42.5° | 2478.3 | 2334.1 | 2204.9 | 2087.8 | 2003.7 | 1955.6 | 1934.6 | 1937.6 | 1961.7 | 1997.7 | 2057.7 |
| 45° | 2156.9 | 1976.6 | 1814.4 | 1673.2 | 1559.1 | 1484.0 | 1447.9 | 1444.9 | 1462.9 | 1505.0 | 1571.1 |
| 47.5° | 1907.6 | 1715.3 | 1532.0 | 1369.8 | 1246.7 | 1165.5 | 1123.5 | 1111.5 | 1123.5 | 1162.5 | 1240.7 |
| 50° | 1700.3 | 1502.0 | 1312.8 | 1144.5 | 1012.4 | 928.3 | 889.2 | 874.2 | 889.2 | 922.2 | 1000.3 |
| 52.5° | 1508.0 | 1303.7 | 1126.5 | 964.3 | 823.1 | 751.0 | 708.9 | 699.9 | 708.9 | 748.0 | 811.1 |
| 55° | 1285.7 | 1111.5 | 937.2 | 775.0 | 651.9 | 579.8 | 546.7 | 537.7 | 546.7 | 582.8 | 648.9 |
| 57.5° | 1066.5 | 916.2 | 763.0 | 615.8 | 510.7 | 447.6 | 417.6 | 405.5 | 426.5 | 450.6 | 528.7 |
| 60° | 862.1 | 742.0 | 612.8 | 483.7 | 396.5 | 339.4 | 315.4 | 312.4 | 318.4 | 348.5 | 402.5 |
| 62.5° | 675.9 | 576.8 | 474.6 | 369.5 | 297.4 | 273.4 | 243.3 | 240.4 | 246.3 | 264.3 | 306.4 |
| 65° | 486.7 | 423.6 | 345.5 | 270.3 | 213.3 | 180.2 | 168.2 | 171.3 | 177.2 | 189.3 | 228.3 |
| 67.5° | 339.4 | 294.4 | 240.4 | 189.3 | 147.2 | 132.2 | 120.2 | 117.2 | 120.2 | 141.2 | 162.2 |
| 70° | 228.3 | 201.3 | 162.2 | 144.2 | 102.2 | 81.1 | 84.1 | 75.1 | 87.1 | 87.1 | 105.1 |
| 72.5° | 150.2 | 132.2 | 108.1 | 84.1 | 72.1 | 57.1 | 57.1 | 54.1 | 60.1 | 63.1 | 78.1 |
| 75° | 78.1 | 60.1 | 60.1 | 42.0 | 30.1 | 15.0 | 27.0 | 24.0 | 21.0 | 24.0 | 30.1 |
| 77.5° | 54.1 | 45.1 | 42.0 | 33.1 | 30.1 | 24.0 | 24.0 | 24.0 | 24.0 | 27.0 | 30.1 |
| 80° | 33.1 | 33.1 | 24.0 | 21.0 | 18.0 | 15.0 | 18.0 | 18.0 | 18.0 | 18.0 | 21.0 |
| 82.5° | 21.0 | 18.0 | 18.0 | 15.0 | 15.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 18.0 |
| 85° | 18.0 | 12.0 | 12.0 | 9.0 | 12.0 | 21.0 | 9.0 | 12.0 | 12.0 | 12.0 | 9.0 |
| 87.5° | 6.0 | 9.0 | 9.0 | 9.0 | 6.0 | 3.0 | 6.0 | 9.0 | 9.0 | 15.0 | 12.0 |
| 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: P249258

CATALOG NUMBER: LSR8B120D010 EC8B120935 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 | 5596.5 |
| 2.5° | 5605.5 | 5608.5 | 5608.5 | 5605.5 | 5605.5 | 5599.5 | 5611.5 | 5602.5 | 5605.5 | 5617.5 | 5608.5 |
| 5° | 5611.5 | 5614.5 | 5614.5 | 5611.5 | 5611.5 | 5611.5 | 5614.5 | 5614.5 | 5611.5 | 5608.5 | 5614.5 |
| 7.5° | 5623.5 | 5620.5 | 5620.5 | 5614.5 | 5614.5 | 5608.5 | 5614.5 | 5605.5 | 5611.5 | 5605.5 | 5614.5 |
| 10° | 5608.5 | 5611.5 | 5608.5 | 5605.5 | 5605.5 | 5602.5 | 5602.5 | 5593.4 | 5596.5 | 5587.4 | 5593.4 |
| 12.5° | 5599.5 | 5596.5 | 5596.5 | 5590.4 | 5584.5 | 5578.5 | 5575.4 | 5566.4 | 5566.4 | 5545.4 | 5554.4 |
| 15° | 5575.4 | 5578.5 | 5569.4 | 5557.4 | 5551.4 | 5536.4 | 5530.4 | 5518.3 | 5506.3 | 5491.4 | 5494.4 |
| 17.5° | 5554.4 | 5545.4 | 5533.4 | 5521.3 | 5497.3 | 5485.3 | 5473.3 | 5455.3 | 5449.2 | 5431.2 | 5425.3 |
| 20° | 5491.4 | 5485.3 | 5470.3 | 5449.2 | 5434.2 | 5407.2 | 5395.2 | 5377.2 | 5362.1 | 5344.1 | 5335.1 |
| 22.5° | 5410.2 | 5404.2 | 5386.2 | 5365.1 | 5341.1 | 5329.1 | 5317.1 | 5284.1 | 5269.0 | 5251.0 | 5248.0 |
| 25° | 5308.1 | 5299.1 | 5281.1 | 5257.0 | 5245.0 | 5212.0 | 5199.9 | 5175.9 | 5169.9 | 5151.8 | 5148.9 |
| 27.5° | 5151.8 | 5139.9 | 5118.8 | 5088.8 | 5067.8 | 5046.7 | 5034.7 | 5016.7 | 5010.7 | 4992.6 | 4989.7 |
| 30° | 4917.6 | 4902.5 | 4860.5 | 4848.5 | 4812.4 | 4791.4 | 4791.4 | 4767.3 | 4770.4 | 4758.4 | 4758.4 |
| 32.5° | 4548.1 | 4524.0 | 4491.0 | 4466.9 | 4442.9 | 4430.9 | 4430.9 | 4421.9 | 4427.9 | 4427.9 | 4433.9 |
| 35° | 4058.4 | 4025.4 | 4007.3 | 3992.3 | 3992.3 | 4004.3 | 4040.4 | 4049.4 | 4067.4 | 4082.4 | 4094.5 |
| 37.5° | 3430.5 | 3427.6 | 3448.6 | 3466.6 | 3511.7 | 3562.8 | 3625.8 | 3679.9 | 3731.0 | 3767.0 | 3803.1 |
| 40° | 2751.7 | 2826.8 | 2886.8 | 2971.0 | 3040.0 | 3139.2 | 3253.3 | 3346.5 | 3433.6 | 3496.7 | 3562.8 |
| 42.5° | 2147.8 | 2244.0 | 2370.2 | 2493.3 | 2616.5 | 2751.7 | 2901.9 | 3031.1 | 3145.2 | 3232.3 | 3301.4 |
| 45° | 1673.2 | 1805.4 | 1958.6 | 2114.8 | 2274.0 | 2442.3 | 2598.5 | 2730.6 | 2850.8 | 2940.9 | 3010.0 |
| 47.5° | 1348.8 | 1493.0 | 1667.2 | 1838.5 | 2018.7 | 2195.9 | 2370.2 | 2484.3 | 2583.4 | 2655.5 | 2718.7 |
| 50° | 1114.5 | 1267.7 | 1451.0 | 1646.2 | 1826.4 | 2003.7 | 2153.9 | 2265.0 | 2346.1 | 2409.2 | 2448.2 |
| 52.5° | 931.2 | 1093.4 | 1288.7 | 1484.0 | 1664.2 | 1826.4 | 1961.7 | 2045.7 | 2111.8 | 2156.9 | 2192.9 |
| 55° | 769.0 | 925.3 | 1108.5 | 1291.7 | 1469.0 | 1622.1 | 1733.3 | 1796.4 | 1847.4 | 1874.5 | 1895.5 |
| 57.5° | 627.9 | 772.0 | 940.3 | 1108.5 | 1261.7 | 1387.9 | 1475.0 | 1538.1 | 1562.1 | 1583.1 | 1580.1 |
| 60° | 492.7 | 627.9 | 781.0 | 925.3 | 1057.4 | 1159.5 | 1222.7 | 1258.7 | 1276.7 | 1285.7 | 1279.7 |
| 62.5° | 387.5 | 510.7 | 627.9 | 754.0 | 850.1 | 937.2 | 997.4 | 997.4 | 1006.3 | 1009.3 | 1018.4 |
| 65° | 288.4 | 381.5 | 483.7 | 576.8 | 654.8 | 712.0 | 745.0 | 754.0 | 766.0 | 763.0 | 757.0 |
| 67.5° | 213.3 | 282.4 | 357.4 | 426.5 | 480.6 | 516.7 | 540.7 | 561.8 | 558.8 | 552.7 | 549.7 |
| 70° | 147.2 | 192.3 | 258.4 | 300.4 | 339.4 | 375.5 | 381.5 | 384.5 | 387.5 | 390.5 | 384.5 |
| 72.5° | 102.2 | 135.2 | 171.3 | 207.3 | 231.3 | 246.3 | 261.4 | 264.3 | 264.3 | 264.3 | 261.4 |
| 75° | 51.1 | 69.1 | 102.2 | 117.2 | 138.2 | 144.2 | 156.2 | 156.2 | 165.2 | 153.2 | 150.2 |
| 77.5° | 45.1 | 54.1 | 72.1 | 84.1 | 93.1 | 102.2 | 105.1 | 114.2 | 111.1 | 105.1 | 108.1 |
| 80° | 27.0 | 33.1 | 45.1 | 51.1 | 63.1 | 66.1 | 69.1 | 72.1 | 69.1 | 72.1 | 72.1 |
| 82.5° | 21.0 | 24.0 | 30.1 | 30.1 | 39.0 | 39.0 | 42.0 | 42.0 | 45.1 | 45.1 | 45.1 |
| 85° | 12.0 | 21.0 | 18.0 | 36.0 | 24.0 | 24.0 | 30.1 | 36.0 | 30.1 | 30.1 | 36.0 |
| 87.5° | 12.0 | 12.0 | 9.0 | 12.0 | 12.0 | 12.0 | 15.0 | 18.0 | 18.0 | 21.0 | 18.0 |
| 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: P249258

CATALOG NUMBER: LSR8B120D010 EC8B120935 8LBDWOWMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 5596.5 | 5596.5 | 5596.5 | 5596.5 |
| 2.5° | 5605.5 | 5611.5 | 5602.5 | 5599.5 |
| 5° | 5614.5 | 5614.5 | 5608.5 | 5608.5 |
| 7.5° | 5614.5 | 5614.5 | 5605.5 | 5599.5 |
| 10° | 5590.4 | 5590.4 | 5581.5 | 5575.4 |
| 12.5° | 5545.4 | 5545.4 | 5542.4 | 5533.4 |
| 15° | 5488.3 | 5488.3 | 5476.3 | 5467.3 |
| 17.5° | 5410.2 | 5416.2 | 5401.2 | 5401.2 |
| 20° | 5326.1 | 5323.1 | 5311.1 | 5305.1 |
| 22.5° | 5239.0 | 5233.0 | 5230.0 | 5212.0 |
| 25° | 5145.9 | 5139.9 | 5130.8 | 5121.9 |
| 27.5° | 4986.7 | 4983.7 | 4974.6 | 4962.6 |
| 30° | 4743.3 | 4740.3 | 4728.3 | 4728.3 |
| 32.5° | 4427.9 | 4424.9 | 4412.9 | 4415.9 |
| 35° | 4100.5 | 4112.5 | 4106.5 | 4094.5 |
| 37.5° | 3827.1 | 3836.1 | 3842.2 | 3836.1 |
| 40° | 3598.8 | 3625.8 | 3628.9 | 3634.9 |
| 42.5° | 3355.5 | 3391.5 | 3403.6 | 3409.5 |
| 45° | 3064.1 | 3097.1 | 3124.2 | 3118.2 |
| 47.5° | 2766.7 | 2790.7 | 2814.7 | 2796.7 |
| 50° | 2481.3 | 2496.3 | 2505.4 | 2505.4 |
| 52.5° | 2211.0 | 2211.0 | 2208.0 | 2211.0 |
| 55° | 1901.5 | 1901.5 | 1889.5 | 1895.5 |
| 57.5° | 1577.1 | 1583.1 | 1574.1 | 1559.1 |
| 60° | 1276.7 | 1261.7 | 1255.7 | 1246.7 |
| 62.5° | 994.4 | 994.4 | 973.3 | 1000.3 |
| 65° | 745.0 | 736.0 | 726.9 | 723.9 |
| 67.5° | 540.7 | 537.7 | 528.7 | 525.7 |
| 70° | 381.5 | 369.5 | 366.5 | 360.5 |
| 72.5° | 255.3 | 255.3 | 249.3 | 249.3 |
| 75° | 156.2 | 141.2 | 138.2 | 141.2 |
| 77.5° | 108.1 | 105.1 | 105.1 | 102.2 |
| 80° | 72.1 | 69.1 | 75.1 | 66.1 |
| 82.5° | 45.1 | 48.1 | 45.1 | 48.1 |
| 85° | 30.1 | 36.0 | 33.1 | 33.1 |
| 87.5° | 18.0 | 18.0 | 18.0 | 18.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)