

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: P248448

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBDW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248448
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 EC8B120830 8LBDW0WH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12117.0 lumens
Efficiency: N/A
Efficacy: 102.4 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

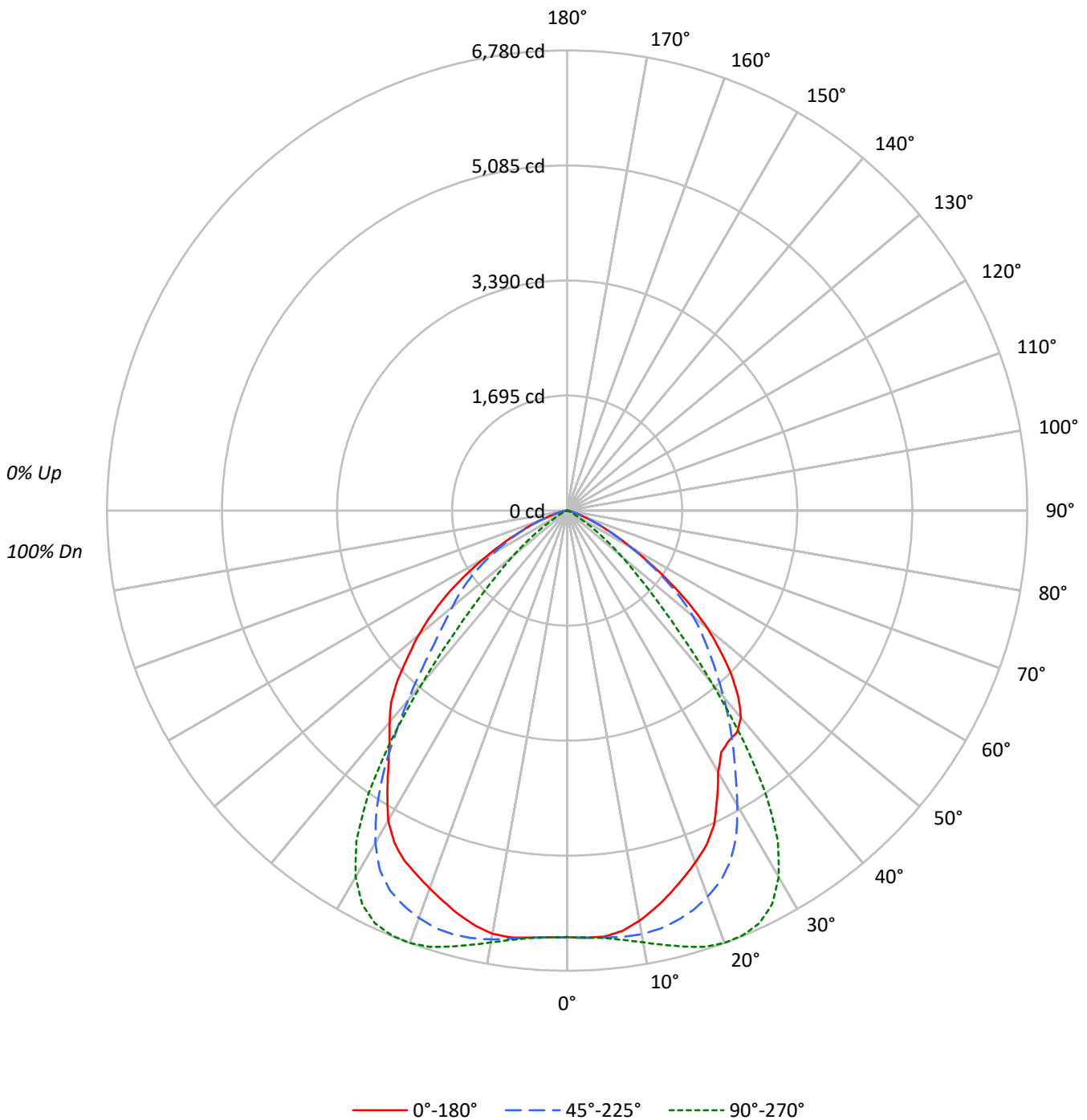
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248448

CATALOG NUMBER: LSR8B120D010 EC8B120830 8LBDW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P248448

CATALOG NUMBER: LSR8B120D010 EC8B120830 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 | 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° | 193834 | 193834 | 193834 |
| 5° | 194989 | 195710 | 195503 |
| 10° | 192121 | 202257 | 198286 |
| 15° | 186507 | 212283 | 196729 |
| 20° | 181095 | 222478 | 194342 |
| 25° | 174139 | 228176 | 193437 |
| 30° | 158478 | 221922 | 187704 |
| 35° | 156118 | 192294 | 172696 |
| 40° | 160364 | 133365 | 163717 |
| 45° | 149283 | 80607 | 153940 |
| 50° | 129488 | 49777 | 137173 |
| 55° | 99373 | 26010 | 116415 |
| 60° | 67698 | 10491 | 87865 |
| 65° | 42115 | 5356 | 60612 |
| 70° | 22864 | 3309 | 37001 |
| 75° | 11926 | 1585 | 21863 |
| 80° | 5327 | 1776 | 11845 |
| 85° | 3538 | 1168 | 10614 |



TEST NUMBER: P248448

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 604.5 | 5.0 |
| 10°-20° | 1790.8 | 14.8 |
| 20°-30° | 2732.0 | 22.5 |
| 30°-40° | 2850.9 | 23.5 |
| 40°-50° | 2141.4 | 17.7 |
| 50°-60° | 1317.5 | 10.9 |
| 60°-70° | 536.2 | 4.4 |
| 70°-80° | 126.3 | 1.0 |
| 80°-90° | 17.4 | 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° | 5127.3 | 42.3 |
| 0°-40° | 7978.2 | 65.8 |
| 0°-60° | 11437.1 | 94.4 |
| 0°-90° | 12117.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 12117.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6286 | 6286 | 6286 | 6286 | 6286 | |
| 5° | 6299 | 6316 | 6323 | 6316 | 6316 | 596 |
| 15° | 5842 | 6253 | 6650 | 6466 | 6162 | 1646 |
| 25° | 5118 | 5692 | 6706 | 6176 | 5685 | 2327 |
| 35° | 4147 | 4264 | 5108 | 4721 | 4588 | 2619 |
| 45° | 3423 | 2963 | 1848 | 2759 | 3530 | 2612 |
| 55° | 1848 | 1755 | 484 | 1755 | 2165 | 1661 |
| 65° | 577 | 584 | 73 | 784 | 831 | 602 |
| 75° | 100 | 100 | 13 | 177 | 184 | 121 |
| 85° | 10 | 10 | 3 | 23 | 30 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248448

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 |
| 2.5° | 6302.6 | 6292.6 | 6302.6 | 6302.6 | 6306.0 | 6299.3 | 6302.6 | 6306.0 | 6299.3 | 6299.3 | 6299.3 |
| 5° | 6299.3 | 6292.6 | 6299.3 | 6295.9 | 6302.6 | 6302.6 | 6309.3 | 6309.3 | 6315.9 | 6315.9 | 6326.0 |
| 7.5° | 6245.9 | 6232.6 | 6245.9 | 6255.9 | 6262.5 | 6275.9 | 6292.6 | 6306.0 | 6319.3 | 6332.6 | 6349.3 |
| 10° | 6135.7 | 6135.7 | 6145.8 | 6165.8 | 6185.8 | 6209.1 | 6239.2 | 6272.6 | 6306.0 | 6335.9 | 6366.0 |
| 12.5° | 5999.0 | 5989.0 | 6009.0 | 6035.7 | 6065.7 | 6102.4 | 6149.1 | 6199.2 | 6252.6 | 6312.6 | 6359.3 |
| 15° | 5842.2 | 5832.1 | 5855.5 | 5882.2 | 5918.9 | 5972.3 | 6029.0 | 6095.7 | 6172.5 | 6252.6 | 6329.3 |
| 17.5° | 5682.0 | 5678.6 | 5702.0 | 5738.7 | 5768.8 | 5825.4 | 5898.9 | 5978.9 | 6065.7 | 6172.5 | 6272.6 |
| 20° | 5518.6 | 5515.2 | 5538.6 | 5568.6 | 5608.6 | 5662.0 | 5735.4 | 5828.8 | 5932.2 | 6052.4 | 6169.1 |
| 22.5° | 5348.3 | 5351.7 | 5371.7 | 5405.1 | 5438.5 | 5495.1 | 5571.9 | 5665.3 | 5778.7 | 5908.9 | 6039.0 |
| 25° | 5118.1 | 5101.5 | 5128.2 | 5161.6 | 5218.2 | 5264.9 | 5338.4 | 5438.5 | 5555.2 | 5692.0 | 5845.5 |
| 27.5° | 4784.5 | 4781.1 | 4804.6 | 4834.5 | 4884.6 | 4941.3 | 5021.4 | 5124.8 | 5248.3 | 5398.4 | 5548.5 |
| 30° | 4450.8 | 4457.5 | 4467.6 | 4497.6 | 4530.9 | 4587.6 | 4667.7 | 4754.5 | 4871.2 | 5014.7 | 5174.9 |
| 32.5° | 4223.9 | 4223.9 | 4237.3 | 4257.3 | 4280.7 | 4310.7 | 4367.5 | 4430.8 | 4520.9 | 4621.0 | 4737.8 |
| 35° | 4147.2 | 4133.9 | 4147.2 | 4150.6 | 4153.9 | 4160.6 | 4170.6 | 4190.6 | 4220.6 | 4264.0 | 4307.4 |
| 37.5° | 4113.9 | 4103.9 | 4103.9 | 4090.5 | 4073.8 | 4053.8 | 4027.1 | 3997.1 | 3963.8 | 3920.3 | 3887.0 |
| 40° | 3983.8 | 3977.1 | 3970.4 | 3957.1 | 3920.3 | 3880.3 | 3836.9 | 3766.9 | 3690.1 | 3583.3 | 3476.6 |
| 42.5° | 3733.5 | 3726.8 | 3723.5 | 3696.8 | 3663.4 | 3616.7 | 3566.7 | 3493.3 | 3396.5 | 3259.7 | 3106.2 |
| 45° | 3423.2 | 3409.9 | 3399.9 | 3376.5 | 3353.1 | 3313.1 | 3266.4 | 3199.6 | 3102.9 | 2962.8 | 2779.3 |
| 47.5° | 3062.9 | 3056.2 | 3052.8 | 3042.9 | 3019.5 | 2996.1 | 2966.1 | 2912.8 | 2826.0 | 2692.5 | 2502.4 |
| 50° | 2699.2 | 2685.9 | 2692.5 | 2689.2 | 2679.2 | 2662.5 | 2642.5 | 2605.8 | 2539.0 | 2418.9 | 2245.4 |
| 52.5° | 2282.1 | 2282.1 | 2278.8 | 2288.8 | 2292.1 | 2288.8 | 2292.1 | 2252.1 | 2195.4 | 2105.3 | 1958.5 |
| 55° | 1848.4 | 1848.4 | 1858.4 | 1871.8 | 1885.1 | 1888.4 | 1885.1 | 1868.4 | 1828.4 | 1755.0 | 1624.8 |
| 57.5° | 1441.3 | 1434.7 | 1454.7 | 1474.7 | 1488.1 | 1501.4 | 1491.4 | 1478.1 | 1454.7 | 1394.6 | 1294.5 |
| 60° | 1097.7 | 1097.7 | 1111.0 | 1124.4 | 1137.7 | 1151.1 | 1147.7 | 1144.4 | 1124.4 | 1084.3 | 1004.3 |
| 62.5° | 807.4 | 810.7 | 810.7 | 820.8 | 834.1 | 847.5 | 857.4 | 847.5 | 837.4 | 810.7 | 757.4 |
| 65° | 577.2 | 573.8 | 577.2 | 587.2 | 597.3 | 610.6 | 617.3 | 613.9 | 603.9 | 583.9 | 543.9 |
| 67.5° | 387.0 | 383.7 | 397.0 | 400.4 | 407.0 | 420.4 | 417.1 | 420.4 | 417.1 | 400.4 | 367.0 |
| 70° | 253.6 | 246.9 | 253.6 | 250.2 | 260.3 | 263.6 | 270.2 | 273.6 | 270.2 | 260.3 | 250.2 |
| 72.5° | 156.8 | 153.5 | 156.8 | 160.2 | 163.5 | 166.8 | 173.5 | 173.5 | 170.1 | 163.5 | 150.1 |
| 75° | 100.1 | 90.0 | 93.4 | 86.8 | 93.4 | 93.4 | 100.1 | 103.4 | 100.1 | 100.1 | 93.4 |
| 77.5° | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 63.4 | 66.7 | 60.1 | 56.7 |
| 80° | 30.0 | 30.0 | 33.4 | 33.4 | 33.4 | 36.7 | 33.4 | 33.4 | 33.4 | 36.7 | 26.7 |
| 82.5° | 23.3 | 20.0 | 20.0 | 20.0 | 23.3 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 85° | 10.0 | 13.3 | 10.0 | 6.7 | 10.0 | 10.0 | 13.3 | 10.0 | 10.0 | 10.0 | 13.3 |
| 87.5° | 3.3 | 3.3 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 3.3 | 3.3 | 6.7 | 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: P248448

CATALOG NUMBER: LSR8B120D010 EC8B120830 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 |
| 2.5° | 6302.6 | 6295.9 | 6295.9 | 6292.6 | 6299.3 | 6292.6 | 6295.9 | 6292.6 | 6292.6 | 6299.3 | 6292.6 |
| 5° | 6326.0 | 6329.3 | 6322.6 | 6319.3 | 6329.3 | 6329.3 | 6329.3 | 6322.6 | 6322.6 | 6326.0 | 6322.6 |
| 7.5° | 6359.3 | 6366.0 | 6369.3 | 6372.7 | 6379.3 | 6382.7 | 6382.7 | 6379.3 | 6376.0 | 6386.0 | 6372.7 |
| 10° | 6396.0 | 6406.0 | 6426.0 | 6436.1 | 6452.7 | 6452.7 | 6459.4 | 6459.4 | 6452.7 | 6459.4 | 6456.1 |
| 12.5° | 6382.7 | 6442.7 | 6476.1 | 6499.4 | 6522.8 | 6542.8 | 6549.5 | 6552.8 | 6549.5 | 6562.9 | 6549.5 |
| 15° | 6406.0 | 6456.1 | 6509.5 | 6549.5 | 6592.8 | 6616.2 | 6622.9 | 6649.6 | 6656.3 | 6659.6 | 6639.6 |
| 17.5° | 6369.3 | 6459.4 | 6516.1 | 6576.2 | 6639.6 | 6683.0 | 6723.0 | 6739.7 | 6743.0 | 6749.7 | 6723.0 |
| 20° | 6285.9 | 6386.0 | 6472.7 | 6559.5 | 6632.9 | 6699.6 | 6733.0 | 6779.7 | 6766.4 | 6793.1 | 6756.4 |
| 22.5° | 6172.5 | 6285.9 | 6396.0 | 6509.5 | 6586.2 | 6666.3 | 6736.3 | 6769.7 | 6786.4 | 6786.4 | 6746.3 |
| 25° | 5992.3 | 6125.8 | 6245.9 | 6362.6 | 6479.4 | 6576.2 | 6656.3 | 6706.3 | 6716.3 | 6713.0 | 6666.3 |
| 27.5° | 5712.0 | 5855.5 | 5995.6 | 6129.1 | 6272.6 | 6386.0 | 6479.4 | 6539.4 | 6556.2 | 6556.2 | 6506.1 |
| 30° | 5325.0 | 5478.5 | 5615.3 | 5775.4 | 5922.3 | 6049.0 | 6179.2 | 6232.6 | 6262.5 | 6262.5 | 6205.9 |
| 32.5° | 4864.6 | 4994.7 | 5121.5 | 5278.3 | 5438.5 | 5581.9 | 5705.3 | 5778.7 | 5815.5 | 5812.1 | 5762.1 |
| 35° | 4364.1 | 4427.5 | 4524.3 | 4641.0 | 4784.5 | 4917.9 | 5038.0 | 5108.2 | 5171.5 | 5168.2 | 5121.5 |
| 37.5° | 3863.6 | 3846.9 | 3857.0 | 3900.3 | 3990.4 | 4083.9 | 4177.2 | 4244.0 | 4297.3 | 4320.8 | 4310.7 |
| 40° | 3373.2 | 3286.4 | 3203.0 | 3173.0 | 3179.6 | 3213.0 | 3263.1 | 3313.1 | 3373.2 | 3403.2 | 3416.5 |
| 42.5° | 2932.8 | 2786.0 | 2639.1 | 2529.1 | 2465.6 | 2445.6 | 2469.0 | 2485.6 | 2522.4 | 2565.7 | 2609.1 |
| 45° | 2579.1 | 2382.3 | 2188.7 | 2018.6 | 1911.8 | 1848.4 | 1835.1 | 1848.4 | 1868.4 | 1911.8 | 1968.5 |
| 47.5° | 2288.8 | 2058.6 | 1841.7 | 1651.5 | 1494.7 | 1411.4 | 1388.0 | 1381.3 | 1401.3 | 1441.3 | 1518.1 |
| 50° | 2031.9 | 1801.7 | 1561.5 | 1341.2 | 1177.8 | 1084.3 | 1051.0 | 1037.6 | 1061.0 | 1091.0 | 1161.1 |
| 52.5° | 1751.6 | 1524.8 | 1277.9 | 1064.3 | 894.2 | 797.4 | 760.7 | 740.7 | 754.0 | 794.1 | 864.1 |
| 55° | 1448.0 | 1237.8 | 1014.3 | 794.1 | 630.6 | 540.5 | 497.1 | 483.8 | 497.1 | 540.5 | 610.6 |
| 57.5° | 1144.4 | 967.6 | 780.7 | 573.8 | 427.0 | 337.0 | 293.6 | 280.3 | 317.0 | 333.7 | 407.0 |
| 60° | 894.2 | 750.7 | 590.6 | 420.4 | 293.6 | 223.5 | 180.2 | 170.1 | 186.9 | 216.8 | 276.9 |
| 62.5° | 670.7 | 580.5 | 453.7 | 300.3 | 216.8 | 143.4 | 120.1 | 110.1 | 120.1 | 143.4 | 190.2 |
| 65° | 487.1 | 417.1 | 317.0 | 220.2 | 146.8 | 106.8 | 80.1 | 73.4 | 83.4 | 100.1 | 140.2 |
| 67.5° | 333.7 | 280.3 | 220.2 | 153.5 | 100.1 | 66.7 | 56.7 | 56.7 | 60.1 | 73.4 | 103.4 |
| 70° | 216.8 | 183.5 | 140.2 | 100.1 | 66.7 | 50.0 | 43.4 | 36.7 | 43.4 | 53.4 | 70.0 |
| 72.5° | 136.8 | 116.7 | 90.0 | 70.0 | 50.0 | 36.7 | 30.0 | 26.7 | 33.4 | 40.0 | 53.4 |
| 75° | 83.4 | 63.4 | 46.7 | 36.7 | 26.7 | 26.7 | 26.7 | 13.3 | 16.7 | 26.7 | 33.4 |
| 77.5° | 50.0 | 43.4 | 36.7 | 30.0 | 23.3 | 13.3 | 13.3 | 13.3 | 16.7 | 20.0 | 30.0 |
| 80° | 26.7 | 23.3 | 16.7 | 16.7 | 13.3 | 10.0 | 13.3 | 10.0 | 6.7 | 16.7 | 20.0 |
| 82.5° | 16.7 | 13.3 | 13.3 | 13.3 | 16.7 | 6.7 | 10.0 | 6.7 | 10.0 | 13.3 | 10.0 |
| 85° | 10.0 | 10.0 | 10.0 | 6.7 | 16.7 | 6.7 | 6.7 | 3.3 | 3.3 | 6.7 | 6.7 |
| 87.5° | 0.0 | 3.3 | 3.3 | 0.0 | 3.3 | 0.0 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 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: P248448

CATALOG NUMBER: LSR8B120D010 EC8B120830 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 | 6285.9 |
| 2.5° | 6295.9 | 6292.6 | 6295.9 | 6292.6 | 6292.6 | 6292.6 | 6295.9 | 6295.9 | 6292.6 | 6292.6 | 6299.3 |
| 5° | 6322.6 | 6322.6 | 6322.6 | 6319.3 | 6315.9 | 6315.9 | 6322.6 | 6322.6 | 6312.6 | 6322.6 | 6322.6 |
| 7.5° | 6379.3 | 6369.3 | 6379.3 | 6366.0 | 6359.3 | 6362.6 | 6366.0 | 6359.3 | 6352.7 | 6356.0 | 6356.0 |
| 10° | 6452.7 | 6442.7 | 6442.7 | 6432.7 | 6422.7 | 6416.0 | 6409.4 | 6392.7 | 6376.0 | 6372.7 | 6359.3 |
| 12.5° | 6539.4 | 6522.8 | 6512.8 | 6492.7 | 6476.1 | 6452.7 | 6432.7 | 6406.0 | 6372.7 | 6349.3 | 6326.0 |
| 15° | 6626.2 | 6599.5 | 6576.2 | 6542.8 | 6506.1 | 6466.0 | 6422.7 | 6379.3 | 6326.0 | 6279.3 | 6239.2 |
| 17.5° | 6696.3 | 6659.6 | 6616.2 | 6562.9 | 6509.5 | 6449.4 | 6386.0 | 6322.6 | 6245.9 | 6185.8 | 6139.1 |
| 20° | 6719.6 | 6666.3 | 6609.6 | 6539.4 | 6469.4 | 6386.0 | 6306.0 | 6222.5 | 6135.7 | 6072.4 | 6019.0 |
| 22.5° | 6689.7 | 6626.2 | 6556.2 | 6482.8 | 6389.3 | 6299.3 | 6205.9 | 6109.0 | 6032.3 | 5945.6 | 5895.6 |
| 25° | 6606.2 | 6529.5 | 6452.7 | 6366.0 | 6275.9 | 6175.8 | 6075.7 | 5975.6 | 5882.2 | 5835.5 | 5772.1 |
| 27.5° | 6436.1 | 6352.7 | 6269.2 | 6179.2 | 6075.7 | 5975.6 | 5872.2 | 5775.4 | 5695.4 | 5632.0 | 5595.3 |
| 30° | 6135.7 | 6039.0 | 5942.3 | 5845.5 | 5755.4 | 5652.0 | 5555.2 | 5475.1 | 5395.0 | 5345.0 | 5308.3 |
| 32.5° | 5675.3 | 5588.6 | 5491.9 | 5398.4 | 5315.0 | 5228.3 | 5148.2 | 5078.1 | 5021.4 | 4988.0 | 4961.3 |
| 35° | 5054.8 | 4968.0 | 4894.6 | 4827.9 | 4757.8 | 4721.1 | 4671.1 | 4631.0 | 4607.6 | 4594.3 | 4591.0 |
| 37.5° | 4274.0 | 4223.9 | 4200.6 | 4187.3 | 4173.9 | 4163.9 | 4170.6 | 4187.3 | 4200.6 | 4223.9 | 4250.6 |
| 40° | 3439.9 | 3483.2 | 3496.6 | 3543.3 | 3586.7 | 3643.4 | 3706.8 | 3780.2 | 3840.2 | 3917.0 | 3970.4 |
| 42.5° | 2679.2 | 2759.3 | 2852.7 | 2952.8 | 3059.5 | 3163.0 | 3289.8 | 3406.5 | 3513.3 | 3610.0 | 3693.5 |
| 45° | 2058.6 | 2182.0 | 2322.2 | 2465.6 | 2609.1 | 2759.3 | 2912.8 | 3056.2 | 3183.0 | 3286.4 | 3373.2 |
| 47.5° | 1604.8 | 1741.7 | 1921.8 | 2098.7 | 2272.1 | 2449.0 | 2619.1 | 2769.2 | 2876.0 | 2976.1 | 3052.8 |
| 50° | 1271.2 | 1428.0 | 1624.8 | 1828.4 | 2018.6 | 2205.4 | 2385.5 | 2525.7 | 2632.5 | 2712.6 | 2769.2 |
| 52.5° | 984.2 | 1171.1 | 1371.3 | 1584.8 | 1788.4 | 1991.9 | 2158.7 | 2288.8 | 2375.6 | 2445.6 | 2489.0 |
| 55° | 734.0 | 917.5 | 1131.1 | 1351.3 | 1558.1 | 1755.0 | 1911.8 | 2025.3 | 2102.0 | 2142.0 | 2165.4 |
| 57.5° | 530.5 | 697.3 | 910.8 | 1131.1 | 1317.9 | 1504.7 | 1631.5 | 1735.0 | 1778.3 | 1801.7 | 1811.7 |
| 60° | 387.0 | 540.5 | 730.7 | 920.9 | 1097.7 | 1247.8 | 1358.0 | 1428.0 | 1461.4 | 1474.7 | 1471.4 |
| 62.5° | 283.6 | 417.1 | 580.5 | 740.7 | 884.1 | 1007.6 | 1094.4 | 1141.1 | 1157.8 | 1164.4 | 1154.4 |
| 65° | 216.8 | 320.3 | 460.4 | 583.9 | 694.0 | 784.1 | 847.5 | 877.5 | 887.5 | 884.1 | 877.5 |
| 67.5° | 160.2 | 240.3 | 343.7 | 437.1 | 517.2 | 587.2 | 620.6 | 647.3 | 653.9 | 644.0 | 633.9 |
| 70° | 113.5 | 176.8 | 250.2 | 313.7 | 373.7 | 413.7 | 450.4 | 453.7 | 453.7 | 450.4 | 443.8 |
| 72.5° | 80.1 | 123.4 | 170.1 | 213.6 | 250.2 | 280.3 | 293.6 | 303.6 | 300.3 | 296.9 | 290.3 |
| 75° | 53.4 | 76.7 | 123.4 | 133.5 | 166.8 | 176.8 | 190.2 | 190.2 | 193.5 | 183.5 | 183.5 |
| 77.5° | 33.4 | 53.4 | 73.4 | 86.8 | 100.1 | 113.5 | 120.1 | 120.1 | 123.4 | 120.1 | 120.1 |
| 80° | 20.0 | 33.4 | 40.0 | 60.1 | 60.1 | 70.0 | 73.4 | 76.7 | 70.0 | 80.1 | 70.0 |
| 82.5° | 13.3 | 20.0 | 30.0 | 30.0 | 36.7 | 43.4 | 43.4 | 46.7 | 46.7 | 43.4 | 43.4 |
| 85° | 10.0 | 13.3 | 16.7 | 20.0 | 20.0 | 23.3 | 20.0 | 20.0 | 23.3 | 26.7 | 23.3 |
| 87.5° | 3.3 | 6.7 | 3.3 | 6.7 | 6.7 | 13.3 | 10.0 | 10.0 | 10.0 | 13.3 | 13.3 |
| 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: P248448

CATALOG NUMBER: LSR8B120D010 EC8B120830 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 6285.9 | 6285.9 | 6285.9 | 6285.9 |
| 2.5° | 6292.6 | 6295.9 | 6292.6 | 6292.6 |
| 5° | 6322.6 | 6319.3 | 6322.6 | 6315.9 |
| 7.5° | 6346.0 | 6346.0 | 6342.6 | 6342.6 |
| 10° | 6346.0 | 6332.6 | 6332.6 | 6332.6 |
| 12.5° | 6295.9 | 6279.3 | 6269.2 | 6262.5 |
| 15° | 6209.1 | 6179.2 | 6165.8 | 6162.4 |
| 17.5° | 6095.7 | 6069.0 | 6052.4 | 6042.3 |
| 20° | 5965.6 | 5938.9 | 5918.9 | 5922.3 |
| 22.5° | 5852.1 | 5822.2 | 5808.8 | 5802.1 |
| 25° | 5738.7 | 5702.0 | 5692.0 | 5685.3 |
| 27.5° | 5555.2 | 5535.2 | 5525.2 | 5515.2 |
| 30° | 5274.9 | 5264.9 | 5248.3 | 5271.6 |
| 32.5° | 4951.3 | 4934.6 | 4921.3 | 4931.3 |
| 35° | 4594.3 | 4584.3 | 4594.3 | 4587.6 |
| 37.5° | 4267.4 | 4277.3 | 4290.7 | 4297.3 |
| 40° | 4010.5 | 4047.1 | 4060.5 | 4067.1 |
| 42.5° | 3753.5 | 3796.9 | 3823.6 | 3840.2 |
| 45° | 3436.5 | 3479.9 | 3509.9 | 3530.0 |
| 47.5° | 3109.6 | 3146.3 | 3176.3 | 3173.0 |
| 50° | 2812.7 | 2832.7 | 2846.0 | 2859.4 |
| 52.5° | 2512.3 | 2512.3 | 2515.7 | 2515.7 |
| 55° | 2172.1 | 2165.4 | 2162.0 | 2165.4 |
| 57.5° | 1798.3 | 1791.7 | 1788.4 | 1778.3 |
| 60° | 1458.1 | 1438.0 | 1424.7 | 1424.7 |
| 62.5° | 1141.1 | 1117.7 | 1107.7 | 1104.4 |
| 65° | 857.4 | 854.1 | 834.1 | 830.7 |
| 67.5° | 620.6 | 607.2 | 593.9 | 597.3 |
| 70° | 437.1 | 417.1 | 417.1 | 410.4 |
| 72.5° | 283.6 | 273.6 | 270.2 | 270.2 |
| 75° | 176.8 | 176.8 | 170.1 | 183.5 |
| 77.5° | 116.7 | 116.7 | 113.5 | 116.7 |
| 80° | 70.0 | 70.0 | 70.0 | 66.7 |
| 82.5° | 43.4 | 46.7 | 43.4 | 43.4 |
| 85° | 23.3 | 26.7 | 20.0 | 30.0 |
| 87.5° | 13.3 | 16.7 | 13.3 | 16.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)