

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: P857207

Luminaire Tested: **LX4C20D010 EX4C209050 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209050 4LBLWW*
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRLWW TRIM WITH * FINISH
Light Source: -
Ballast/Driver: -

Summary

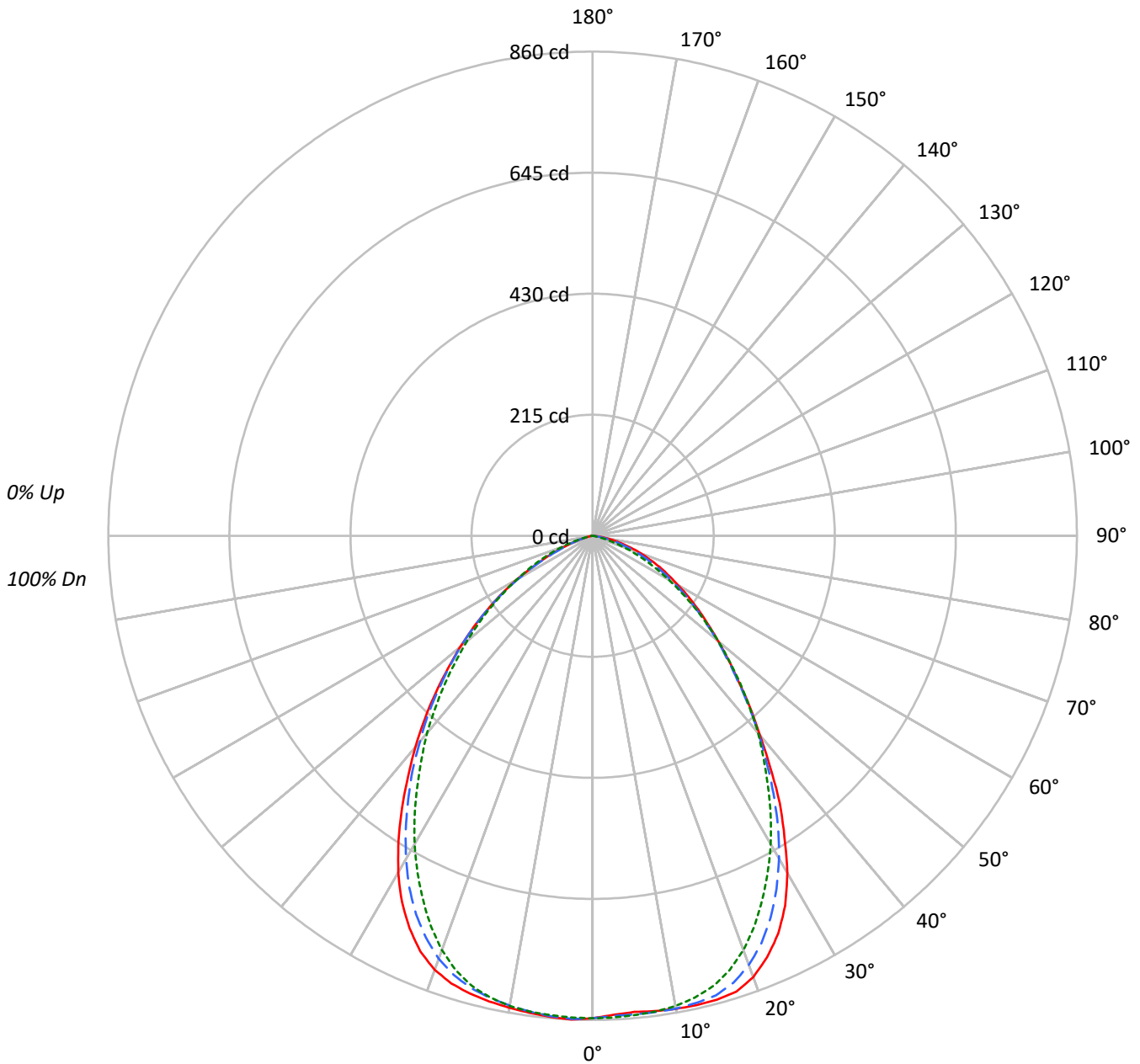
Lumens per Lamp: N/A
Luminaire Lumens: 1643.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
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: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

Luminous Intensity Polar Plot





TEST NUMBER: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

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 | | | | | | | | |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | | | | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 69 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 61 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | |
| 6 | 76 | 65 | 57 | 51 | 75 | 64 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | |
| 7 | 71 | 59 | 51 | 46 | 70 | 59 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 45 | 54 | 49 | 45 | 43 | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 50 | 45 | 41 | 39 | | | | | | | | |
| 9 | 63 | 51 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 | | | | | | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 35 | 44 | 38 | 34 | 33 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 105285 | 105285 | 105285 |
| 5° | 104689 | 105404 | 105811 |
| 10° | 106423 | 105787 | 106186 |
| 15° | 108503 | 105311 | 107079 |
| 20° | 109049 | 102368 | 107244 |
| 25° | 105705 | 96663 | 104254 |
| 30° | 98110 | 89712 | 97925 |
| 35° | 86881 | 81377 | 88516 |
| 40° | 74061 | 73291 | 78503 |
| 45° | 63624 | 64354 | 68384 |
| 50° | 55541 | 55656 | 58618 |
| 55° | 49071 | 47014 | 48599 |
| 60° | 43023 | 38355 | 38183 |
| 65° | 38081 | 29738 | 26482 |
| 70° | 32472 | 20474 | 15733 |
| 75° | 26297 | 11012 | 7168 |
| 80° | 17970 | 2759 | 1839 |
| 85° | 5497 | 846 | 846 |



TEST NUMBER: P857207

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.4 | 5.0 |
| 10°-20° | 235.8 | 14.4 |
| 20°-30° | 340.7 | 20.7 |
| 30°-40° | 352.2 | 21.4 |
| 40°-50° | 291.0 | 17.7 |
| 50°-60° | 200.8 | 12.2 |
| 60°-70° | 105.1 | 6.4 |
| 70°-80° | 33.1 | 2.0 |
| 80°-90° | 2.8 | 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° | 657.9 | 40.0 |
| 0°-40° | 1010.1 | 61.5 |
| 0°-60° | 1501.9 | 91.4 |
| 0°-90° | 1643.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1643.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 857 | 857 | 857 | 857 | 857 | |
| 5° | 849 | 853 | 855 | 856 | 858 | 81 |
| 15° | 853 | 845 | 828 | 832 | 842 | 241 |
| 25° | 780 | 748 | 713 | 742 | 769 | 356 |
| 35° | 579 | 560 | 543 | 571 | 590 | 360 |
| 45° | 366 | 365 | 370 | 388 | 394 | 285 |
| 55° | 229 | 222 | 220 | 226 | 227 | 206 |
| 65° | 131 | 119 | 102 | 85 | 91 | 130 |
| 75° | 55 | 43 | 23 | 16 | 15 | 59 |
| 85° | 4 | 2 | 1 | 1 | 1 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 |
| 2.5° | 851.5 | 851.8 | 851.8 | 852.5 | 852.5 | 852.5 | 852.8 | 852.8 | 853.1 | 853.4 | 853.8 |
| 5° | 848.9 | 848.9 | 849.6 | 849.9 | 850.5 | 850.9 | 851.5 | 851.8 | 852.5 | 852.8 | 853.1 |
| 7.5° | 851.5 | 851.5 | 851.8 | 852.2 | 852.2 | 852.5 | 852.5 | 852.8 | 853.1 | 853.4 | 853.4 |
| 10° | 853.1 | 853.1 | 853.1 | 853.1 | 853.4 | 853.4 | 853.4 | 853.1 | 853.1 | 853.1 | 852.8 |
| 12.5° | 853.8 | 853.8 | 853.4 | 853.1 | 853.4 | 853.1 | 853.1 | 852.2 | 851.5 | 850.9 | 849.9 |
| 15° | 853.1 | 853.1 | 852.8 | 852.5 | 852.2 | 851.5 | 851.2 | 849.6 | 848.3 | 846.4 | 845.1 |
| 17.5° | 848.9 | 848.3 | 847.7 | 847.0 | 845.7 | 844.8 | 844.1 | 841.2 | 839.0 | 835.7 | 832.2 |
| 20° | 834.1 | 833.5 | 832.5 | 830.9 | 829.3 | 828.0 | 826.1 | 821.9 | 819.7 | 814.8 | 811.3 |
| 22.5° | 810.0 | 809.4 | 809.7 | 806.8 | 803.6 | 801.6 | 800.3 | 796.8 | 792.9 | 786.8 | 783.0 |
| 25° | 779.8 | 777.8 | 777.8 | 773.3 | 771.7 | 770.4 | 768.8 | 764.6 | 758.8 | 753.4 | 748.2 |
| 27.5° | 740.5 | 737.9 | 736.6 | 736.0 | 732.1 | 729.2 | 727.0 | 723.8 | 718.9 | 714.1 | 707.0 |
| 30° | 691.6 | 691.3 | 689.6 | 686.7 | 683.9 | 682.6 | 680.0 | 674.5 | 670.0 | 666.5 | 662.0 |
| 32.5° | 634.0 | 633.6 | 633.6 | 633.6 | 631.7 | 631.4 | 627.5 | 624.6 | 621.1 | 615.6 | 612.7 |
| 35° | 579.3 | 578.9 | 579.3 | 574.4 | 573.1 | 572.2 | 571.9 | 569.9 | 565.1 | 562.5 | 560.0 |
| 37.5° | 517.5 | 518.4 | 517.8 | 516.5 | 518.1 | 515.2 | 517.5 | 513.3 | 511.4 | 510.7 | 507.8 |
| 40° | 461.8 | 464.4 | 461.8 | 462.1 | 463.7 | 460.8 | 460.8 | 460.2 | 458.9 | 458.3 | 457.6 |
| 42.5° | 414.2 | 411.0 | 412.9 | 411.3 | 412.9 | 411.9 | 410.3 | 411.3 | 411.6 | 410.3 | 410.0 |
| 45° | 366.2 | 366.9 | 367.5 | 366.5 | 366.5 | 365.6 | 368.2 | 366.5 | 366.5 | 366.9 | 364.6 |
| 47.5° | 327.3 | 326.3 | 327.0 | 326.3 | 326.6 | 326.0 | 326.6 | 327.0 | 326.3 | 326.3 | 324.4 |
| 50° | 290.6 | 290.0 | 292.2 | 290.3 | 290.3 | 290.0 | 290.3 | 289.6 | 288.7 | 288.7 | 289.3 |
| 52.5° | 258.7 | 257.4 | 257.1 | 258.7 | 256.5 | 256.5 | 256.8 | 256.2 | 254.9 | 254.2 | 252.6 |
| 55° | 229.1 | 228.8 | 229.1 | 227.8 | 227.2 | 227.2 | 225.6 | 224.9 | 224.6 | 223.0 | 222.1 |
| 57.5° | 201.5 | 200.5 | 200.8 | 200.5 | 199.2 | 198.9 | 197.6 | 197.6 | 196.3 | 195.0 | 193.4 |
| 60° | 175.1 | 175.1 | 176.0 | 174.7 | 173.8 | 173.1 | 172.5 | 171.8 | 169.6 | 167.3 | 165.4 |
| 62.5° | 151.6 | 151.9 | 151.6 | 150.6 | 150.0 | 149.3 | 148.7 | 146.7 | 144.8 | 143.5 | 141.3 |
| 65° | 131.0 | 130.7 | 129.7 | 129.0 | 127.4 | 127.4 | 126.2 | 125.2 | 122.9 | 121.0 | 118.7 |
| 67.5° | 109.7 | 109.1 | 109.1 | 109.1 | 107.2 | 106.8 | 106.2 | 104.3 | 102.3 | 99.8 | 97.8 |
| 70° | 90.4 | 91.1 | 90.1 | 89.1 | 88.2 | 87.9 | 86.9 | 85.0 | 82.7 | 80.1 | 78.5 |
| 72.5° | 72.1 | 72.7 | 71.8 | 71.4 | 69.5 | 68.9 | 68.5 | 66.9 | 64.4 | 62.8 | 60.2 |
| 75° | 55.4 | 55.7 | 55.0 | 54.4 | 53.1 | 52.8 | 51.2 | 49.9 | 48.3 | 45.7 | 43.4 |
| 77.5° | 39.9 | 39.3 | 39.3 | 38.0 | 36.7 | 36.7 | 36.4 | 34.4 | 32.2 | 30.3 | 28.3 |
| 80° | 25.4 | 25.1 | 24.1 | 23.5 | 22.5 | 22.2 | 21.9 | 20.3 | 18.7 | 17.4 | 16.1 |
| 82.5° | 12.9 | 12.6 | 12.2 | 11.9 | 11.3 | 10.6 | 10.9 | 9.7 | 9.0 | 7.7 | 6.8 |
| 85° | 3.9 | 4.2 | 4.2 | 3.9 | 3.5 | 3.5 | 3.5 | 3.2 | 2.6 | 2.3 | 1.9 |
| 87.5° | 0.0 | 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: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 |
| 2.5° | 854.1 | 854.4 | 854.7 | 855.1 | 855.1 | 855.4 | 855.7 | 856.0 | 856.3 | 856.3 | 856.7 |
| 5° | 853.4 | 854.1 | 854.1 | 854.4 | 854.4 | 854.4 | 854.7 | 854.7 | 854.7 | 854.7 | 855.1 |
| 7.5° | 853.8 | 853.8 | 853.8 | 853.4 | 853.4 | 853.1 | 853.1 | 853.1 | 852.5 | 852.5 | 852.5 |
| 10° | 852.2 | 851.8 | 851.5 | 850.9 | 850.5 | 850.2 | 849.6 | 848.9 | 848.3 | 848.0 | 847.3 |
| 12.5° | 848.9 | 847.7 | 846.4 | 845.1 | 844.4 | 844.1 | 842.8 | 841.9 | 840.9 | 839.9 | 839.3 |
| 15° | 842.5 | 840.6 | 838.3 | 835.7 | 835.1 | 834.5 | 832.2 | 830.3 | 829.0 | 828.0 | 826.4 |
| 17.5° | 829.6 | 825.8 | 823.2 | 819.3 | 817.7 | 817.1 | 813.5 | 811.6 | 809.4 | 808.7 | 807.4 |
| 20° | 806.8 | 803.2 | 798.4 | 794.9 | 792.9 | 791.0 | 788.1 | 785.5 | 783.0 | 783.0 | 781.4 |
| 22.5° | 778.1 | 773.6 | 767.5 | 763.0 | 762.7 | 758.8 | 756.3 | 753.4 | 752.4 | 750.5 | 750.5 |
| 25° | 742.1 | 738.2 | 731.5 | 727.6 | 725.7 | 724.7 | 720.5 | 716.7 | 714.7 | 713.1 | 714.4 |
| 27.5° | 702.2 | 696.4 | 691.3 | 686.4 | 684.8 | 682.9 | 679.0 | 677.4 | 673.9 | 673.6 | 673.2 |
| 30° | 656.5 | 650.7 | 645.6 | 643.3 | 640.1 | 638.5 | 635.6 | 633.6 | 632.4 | 632.4 | 631.7 |
| 32.5° | 608.5 | 603.4 | 600.8 | 596.0 | 594.4 | 592.1 | 590.2 | 588.3 | 588.9 | 588.3 | 588.6 |
| 35° | 556.7 | 555.4 | 550.6 | 547.7 | 547.7 | 547.4 | 544.2 | 542.9 | 542.3 | 542.6 | 544.2 |
| 37.5° | 507.5 | 503.6 | 500.4 | 498.5 | 500.1 | 498.2 | 497.8 | 497.8 | 499.8 | 498.5 | 501.1 |
| 40° | 455.0 | 454.7 | 453.4 | 454.1 | 454.4 | 452.1 | 452.8 | 453.1 | 454.4 | 457.0 | 457.3 |
| 42.5° | 409.3 | 409.0 | 409.0 | 409.0 | 408.4 | 407.1 | 408.4 | 410.6 | 410.3 | 412.2 | 413.9 |
| 45° | 365.3 | 364.6 | 365.9 | 364.9 | 366.9 | 367.5 | 366.5 | 367.2 | 369.1 | 370.4 | 373.0 |
| 47.5° | 325.0 | 325.0 | 325.4 | 326.0 | 324.1 | 325.7 | 326.3 | 327.6 | 328.6 | 329.2 | 330.5 |
| 50° | 287.7 | 287.7 | 287.1 | 287.1 | 287.1 | 288.0 | 286.7 | 288.3 | 288.7 | 291.2 | 292.8 |
| 52.5° | 253.3 | 251.7 | 252.6 | 252.0 | 250.7 | 250.0 | 250.7 | 251.0 | 252.9 | 253.6 | 255.5 |
| 55° | 220.4 | 220.4 | 217.9 | 217.2 | 218.2 | 217.9 | 217.5 | 217.5 | 218.5 | 219.5 | 221.1 |
| 57.5° | 191.5 | 189.5 | 187.6 | 187.3 | 186.3 | 186.7 | 186.7 | 186.3 | 185.7 | 186.0 | 186.3 |
| 60° | 164.1 | 162.8 | 159.9 | 159.9 | 159.6 | 159.3 | 157.7 | 157.4 | 155.8 | 156.1 | 154.8 |
| 62.5° | 139.0 | 138.4 | 134.5 | 133.2 | 133.2 | 132.3 | 130.7 | 130.3 | 128.1 | 128.1 | 126.8 |
| 65° | 116.5 | 114.6 | 112.3 | 110.1 | 110.1 | 108.8 | 107.8 | 104.9 | 103.3 | 102.3 | 100.4 |
| 67.5° | 95.9 | 93.0 | 90.8 | 88.8 | 87.5 | 87.2 | 85.0 | 83.0 | 80.5 | 78.8 | 75.9 |
| 70° | 75.9 | 73.7 | 71.4 | 69.5 | 68.2 | 66.9 | 64.7 | 61.8 | 59.9 | 57.0 | 55.0 |
| 72.5° | 57.3 | 55.4 | 53.4 | 50.8 | 49.2 | 48.3 | 46.0 | 43.4 | 40.2 | 38.3 | 35.7 |
| 75° | 41.2 | 38.9 | 36.4 | 34.1 | 33.1 | 32.2 | 29.6 | 27.7 | 25.4 | 23.2 | 20.6 |
| 77.5° | 26.7 | 24.1 | 22.2 | 19.6 | 19.3 | 18.7 | 16.1 | 14.2 | 12.6 | 11.3 | 9.7 |
| 80° | 14.2 | 12.9 | 11.3 | 9.7 | 9.0 | 8.0 | 6.8 | 5.8 | 4.8 | 3.9 | 3.2 |
| 82.5° | 6.1 | 5.1 | 4.2 | 3.5 | 3.2 | 2.9 | 2.3 | 1.9 | 1.6 | 1.6 | 1.3 |
| 85° | 1.6 | 1.3 | 1.3 | 1.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.0 | 0.3 | 0.3 | 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: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 |
| 2.5° | 857.0 | 857.3 | 857.6 | 857.6 | 858.0 | 858.3 | 858.3 | 858.6 | 858.9 | 859.2 | 859.2 |
| 5° | 855.4 | 855.4 | 855.4 | 855.7 | 855.7 | 855.7 | 855.7 | 856.3 | 856.3 | 856.7 | 857.0 |
| 7.5° | 852.2 | 852.2 | 852.2 | 852.2 | 851.8 | 852.2 | 851.8 | 851.8 | 852.5 | 852.8 | 853.1 |
| 10° | 847.0 | 846.7 | 846.7 | 846.4 | 846.4 | 846.4 | 846.7 | 847.0 | 847.3 | 847.7 | 848.6 |
| 12.5° | 839.0 | 838.6 | 838.6 | 838.3 | 838.3 | 838.6 | 839.0 | 839.6 | 840.9 | 841.5 | 842.8 |
| 15° | 826.1 | 825.8 | 826.1 | 826.4 | 827.1 | 828.0 | 829.0 | 830.0 | 831.9 | 833.5 | 835.1 |
| 17.5° | 807.4 | 807.7 | 808.1 | 808.7 | 809.7 | 811.0 | 813.5 | 816.1 | 818.4 | 820.9 | 823.5 |
| 20° | 781.7 | 783.0 | 783.3 | 785.5 | 786.2 | 789.1 | 792.0 | 795.8 | 799.4 | 802.6 | 806.1 |
| 22.5° | 750.8 | 751.8 | 753.0 | 755.6 | 757.2 | 761.1 | 764.6 | 769.1 | 773.0 | 777.2 | 782.3 |
| 25° | 715.7 | 716.0 | 719.9 | 719.9 | 723.8 | 727.0 | 731.2 | 736.0 | 741.8 | 747.2 | 750.8 |
| 27.5° | 675.8 | 677.4 | 680.3 | 681.6 | 684.5 | 689.6 | 693.2 | 699.0 | 704.8 | 709.6 | 713.5 |
| 30° | 634.0 | 635.3 | 640.1 | 640.7 | 643.0 | 647.5 | 652.3 | 657.8 | 662.3 | 667.8 | 671.3 |
| 32.5° | 589.9 | 593.4 | 596.3 | 598.6 | 599.2 | 606.0 | 608.5 | 612.4 | 617.6 | 623.0 | 626.6 |
| 35° | 547.1 | 548.7 | 552.9 | 554.2 | 556.1 | 560.0 | 565.1 | 568.3 | 570.9 | 574.4 | 578.6 |
| 37.5° | 501.7 | 506.5 | 507.5 | 511.4 | 512.0 | 515.5 | 518.1 | 522.0 | 525.2 | 528.4 | 529.1 |
| 40° | 459.5 | 461.2 | 464.7 | 465.7 | 466.3 | 471.1 | 474.4 | 475.3 | 476.9 | 479.8 | 483.7 |
| 42.5° | 416.7 | 418.4 | 422.2 | 421.3 | 424.1 | 426.4 | 428.0 | 431.9 | 433.5 | 434.4 | 434.4 |
| 45° | 374.6 | 375.2 | 377.8 | 379.1 | 380.7 | 382.0 | 384.9 | 386.8 | 387.5 | 390.4 | 391.3 |
| 47.5° | 334.4 | 335.0 | 336.9 | 339.2 | 338.5 | 340.2 | 343.4 | 344.3 | 344.7 | 346.6 | 347.6 |
| 50° | 294.8 | 296.4 | 299.0 | 298.3 | 300.3 | 301.2 | 304.1 | 304.8 | 304.8 | 305.1 | 305.4 |
| 52.5° | 257.8 | 259.1 | 259.7 | 260.3 | 261.3 | 262.9 | 264.2 | 263.6 | 264.9 | 266.1 | 265.2 |
| 55° | 221.1 | 222.1 | 223.7 | 224.3 | 224.3 | 224.6 | 224.0 | 226.9 | 225.6 | 225.3 | 225.6 |
| 57.5° | 187.6 | 186.3 | 186.0 | 187.6 | 188.3 | 187.9 | 187.0 | 188.3 | 188.3 | 187.6 | 186.7 |
| 60° | 155.1 | 154.1 | 153.8 | 154.1 | 152.9 | 151.9 | 152.5 | 151.9 | 150.3 | 149.6 | 150.0 |
| 62.5° | 125.5 | 124.5 | 122.0 | 122.0 | 121.3 | 121.0 | 118.4 | 118.7 | 117.5 | 115.5 | 116.2 |
| 65° | 98.2 | 95.6 | 94.3 | 94.0 | 91.7 | 89.8 | 89.1 | 86.9 | 85.0 | 84.6 | 85.0 |
| 67.5° | 73.7 | 70.8 | 68.5 | 67.6 | 66.3 | 64.7 | 62.4 | 60.5 | 61.1 | 60.8 | 62.1 |
| 70° | 51.2 | 49.2 | 47.0 | 45.4 | 46.0 | 44.1 | 42.8 | 42.8 | 43.1 | 43.4 | 44.1 |
| 72.5° | 34.1 | 31.5 | 30.6 | 29.6 | 29.0 | 27.7 | 28.3 | 28.3 | 28.0 | 28.3 | 27.7 |
| 75° | 19.3 | 18.0 | 17.1 | 16.7 | 16.1 | 16.1 | 16.1 | 16.1 | 15.8 | 15.4 | 15.4 |
| 77.5° | 8.7 | 8.0 | 7.7 | 7.4 | 7.4 | 7.4 | 7.1 | 6.8 | 6.8 | 6.8 | 6.4 |
| 80° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 82.5° | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.3 | 1.6 | 1.6 | 1.3 | 1.3 | 1.6 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.3 | 0.3 | 0.3 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 | 0.3 | 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: P857207

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 | 857.0 |
| 2.5° | 859.6 | 859.9 | 859.9 | 859.9 | 860.2 | 860.2 | 860.2 | 860.2 |
| 5° | 857.3 | 857.6 | 857.6 | 857.6 | 858.0 | 858.0 | 858.0 | 858.0 |
| 7.5° | 853.4 | 853.8 | 853.8 | 854.1 | 854.1 | 854.4 | 854.4 | 854.7 |
| 10° | 848.9 | 849.6 | 849.9 | 850.2 | 850.5 | 850.9 | 850.9 | 851.2 |
| 12.5° | 844.1 | 844.8 | 845.1 | 845.7 | 846.4 | 846.7 | 847.0 | 847.3 |
| 15° | 837.0 | 838.3 | 839.0 | 839.3 | 840.6 | 841.2 | 841.5 | 841.9 |
| 17.5° | 825.8 | 828.3 | 829.3 | 830.0 | 831.2 | 832.5 | 833.5 | 833.8 |
| 20° | 809.7 | 812.6 | 813.9 | 815.5 | 817.4 | 819.0 | 819.7 | 820.3 |
| 22.5° | 787.2 | 790.4 | 792.3 | 794.2 | 795.8 | 797.5 | 800.0 | 799.1 |
| 25° | 755.0 | 760.4 | 762.7 | 763.7 | 767.2 | 769.1 | 770.4 | 769.1 |
| 27.5° | 718.9 | 722.1 | 724.1 | 726.3 | 728.9 | 730.8 | 731.5 | 733.4 |
| 30° | 675.5 | 681.0 | 680.6 | 682.9 | 686.1 | 688.0 | 688.7 | 690.3 |
| 32.5° | 630.4 | 633.0 | 634.9 | 634.6 | 635.9 | 639.4 | 638.2 | 641.1 |
| 35° | 582.5 | 582.8 | 586.0 | 585.7 | 588.3 | 588.3 | 588.3 | 590.2 |
| 37.5° | 531.3 | 535.2 | 533.6 | 537.4 | 536.1 | 537.1 | 537.1 | 537.7 |
| 40° | 484.6 | 485.9 | 485.9 | 487.2 | 488.2 | 487.2 | 487.9 | 489.5 |
| 42.5° | 436.4 | 437.7 | 438.0 | 437.3 | 438.3 | 441.2 | 439.0 | 440.9 |
| 45° | 391.3 | 392.3 | 393.6 | 392.6 | 394.2 | 393.3 | 394.2 | 393.6 |
| 47.5° | 348.8 | 348.5 | 348.2 | 350.8 | 348.5 | 348.8 | 350.1 | 347.9 |
| 50° | 305.4 | 307.3 | 306.0 | 307.0 | 307.7 | 307.7 | 306.7 | 306.7 |
| 52.5° | 266.8 | 266.5 | 265.5 | 266.5 | 265.8 | 266.1 | 266.8 | 266.1 |
| 55° | 226.9 | 228.2 | 227.5 | 227.2 | 227.5 | 227.5 | 229.5 | 226.9 |
| 57.5° | 187.6 | 187.0 | 187.9 | 190.2 | 187.9 | 189.5 | 190.5 | 190.8 |
| 60° | 150.3 | 150.3 | 152.2 | 151.3 | 153.2 | 154.8 | 156.1 | 155.4 |
| 62.5° | 114.6 | 116.2 | 116.8 | 117.1 | 119.1 | 120.4 | 120.4 | 120.0 |
| 65° | 85.0 | 87.2 | 87.2 | 88.5 | 89.1 | 89.1 | 89.8 | 91.1 |
| 67.5° | 62.8 | 62.8 | 63.1 | 63.7 | 63.4 | 63.4 | 64.0 | 64.4 |
| 70° | 43.8 | 43.1 | 44.1 | 43.8 | 43.8 | 43.4 | 43.8 | 43.8 |
| 72.5° | 27.7 | 27.7 | 28.0 | 27.7 | 27.0 | 27.4 | 27.4 | 28.0 |
| 75° | 14.8 | 15.4 | 14.8 | 14.8 | 15.1 | 14.5 | 14.8 | 15.1 |
| 77.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.8 | 5.8 | 5.8 |
| 80° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 |
| 82.5° | 1.3 | 1.6 | 1.3 | 1.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)