

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: LUMARK

Report Number: P146103

Luminaire Tested: **LDRC-SLR-F03-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146103
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRC-SLR-F03-E-8030
Description: RC LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5629.8 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 78.3
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

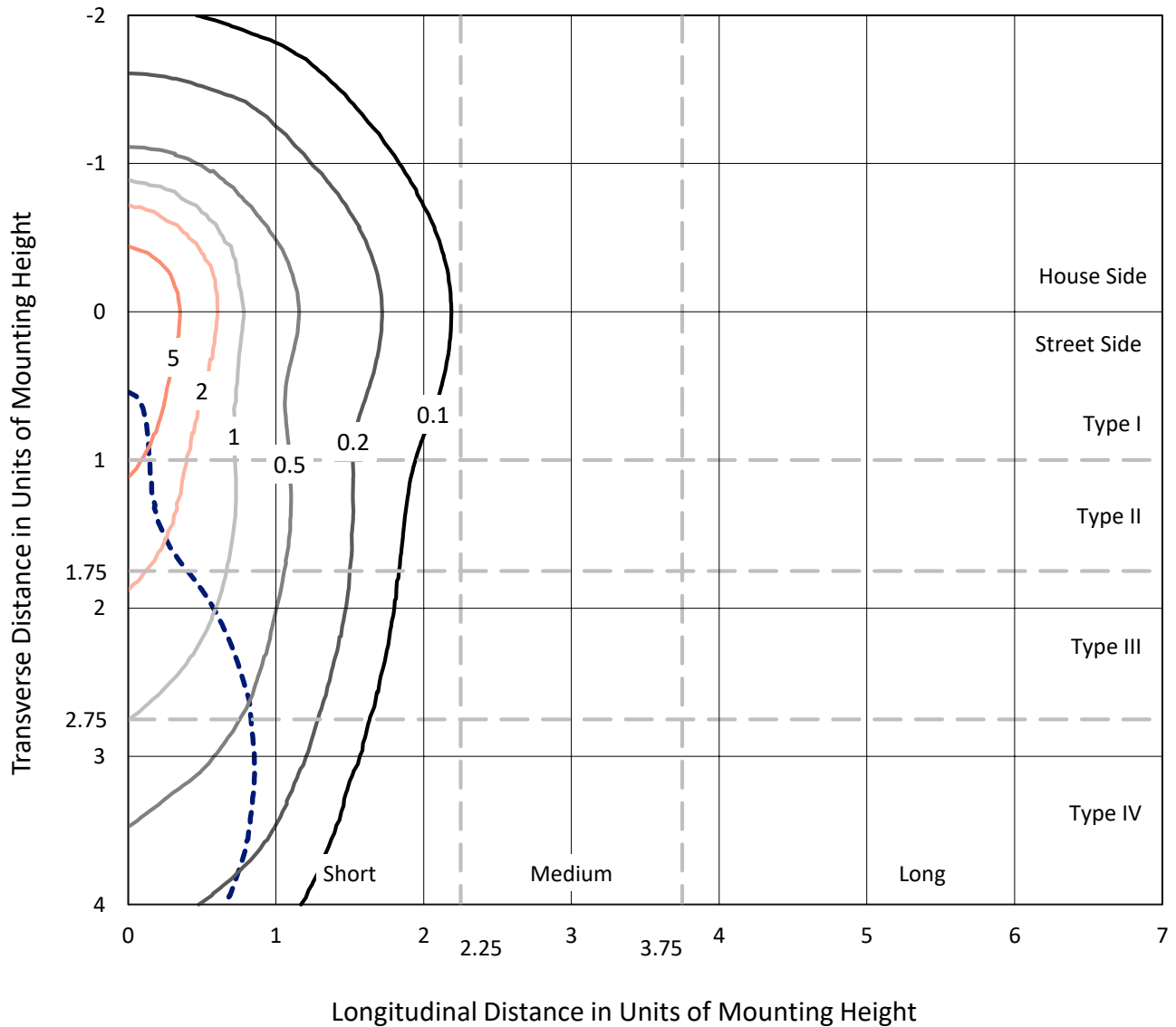


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Iso-Footcandle Lines of Horizontal Illumination

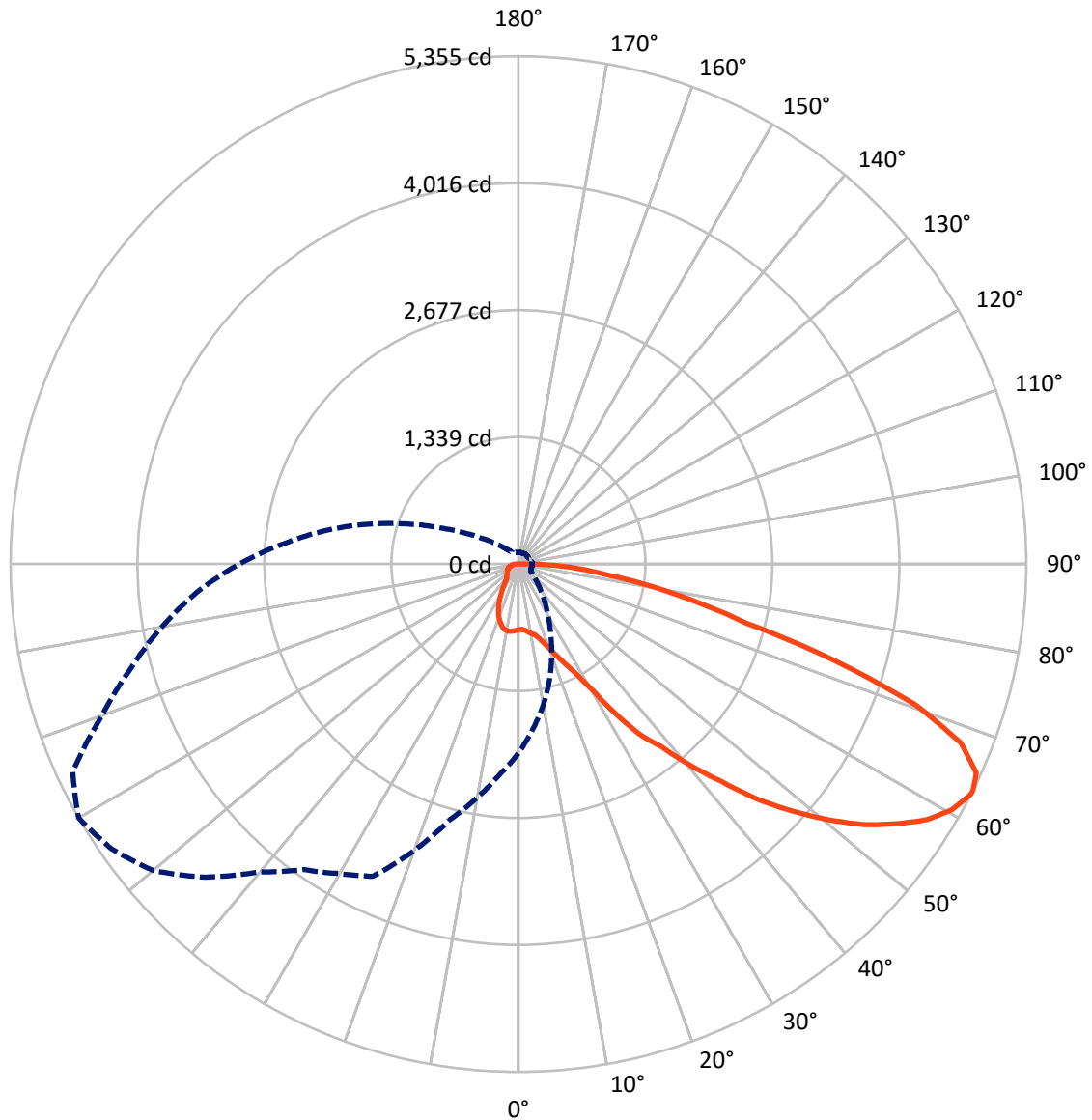
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1178.5 | 0.0 | 1178.5 |
| | % Fixture | 20.9 | 0.0 | 20.9 |
| Street Side | Lumens | 4451.4 | 0.0 | 4451.4 |
| | % Fixture | 79.1 | 0.0 | 79.1 |
| Total | Lumens | 5629.8 | 0.0 | 5629.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.9 | 1.2 |
| 10°-20° | 211.9 | 3.8 |
| 20°-30° | 374.8 | 6.7 |
| 30°-40° | 591.7 | 10.5 |
| 40°-50° | 870.1 | 15.5 |
| 50°-60° | 1146.2 | 20.4 |
| 60°-70° | 1277.5 | 22.7 |
| 70°-80° | 839.4 | 14.9 |
| 80°-90° | 250.3 | 4.4 |
| 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°-90° | 5629.8 | 100.0 |
| 0°-180° | 5629.8 | 100.0 |

Coefficient of Utilization



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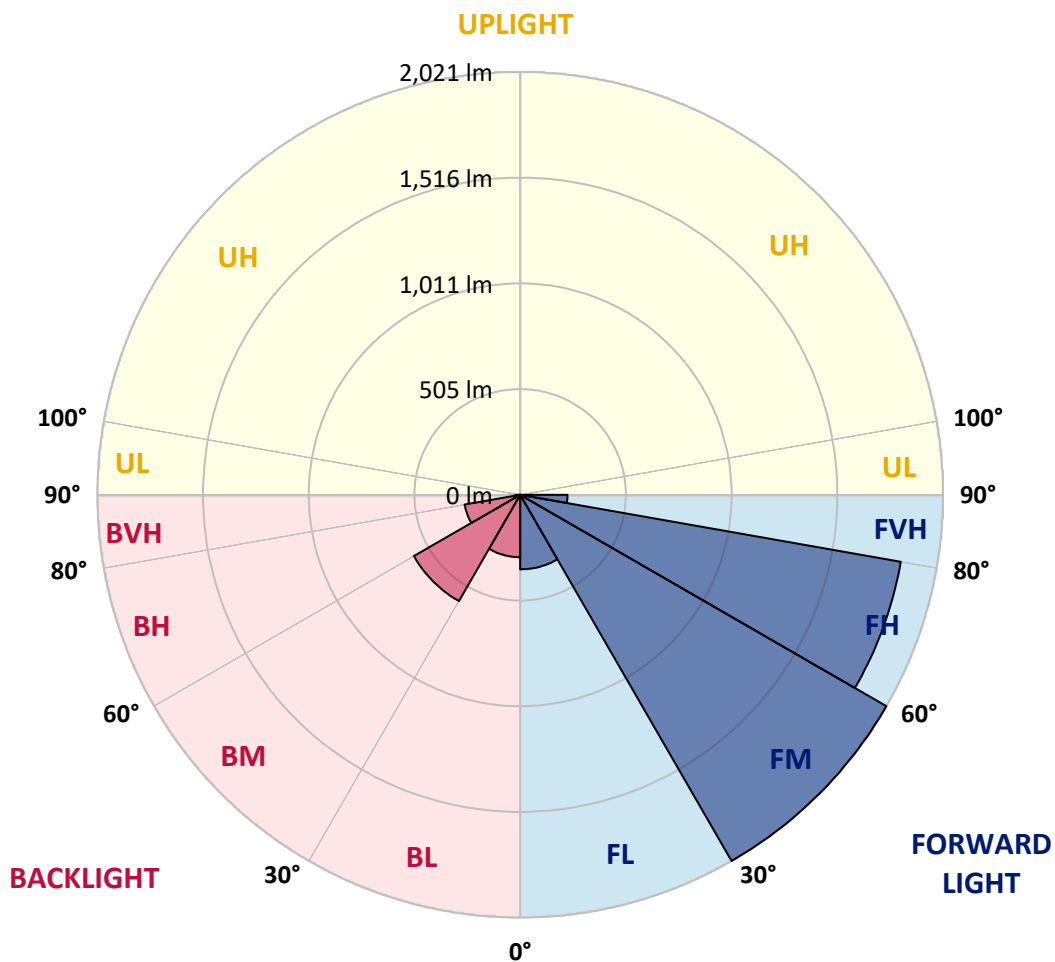
CATALOG NUMBER: LDRC-SLR-F03-E-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 356.3 | 6.3 | | | |
| FM | (30°-60°) | 2021.3 | 35.9 | | | |
| FH | (60°-80°) | 1847.5 | 32.8 | | | G2/5000 |
| FVH | (80°-90°) | 226.2 | 4.0 | | | G3/500 |
| BL | (0°-30°) | 298.3 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 586.7 | 10.4 | B1/1000 | | |
| BH | (60°-80°) | 269.3 | 4.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 24.1 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





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CATALOG NUMBER: LDRC-SLR-F03-E-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 2.5° | 690.6 | 691.9 | 691.9 | 690.6 | 691.9 | 691.4 | 691.4 | 692.7 | 693.1 | 695.2 | 693.9 |
| 5° | 687.3 | 687.7 | 688.1 | 687.3 | 687.7 | 687.7 | 688.5 | 689.8 | 690.2 | 692.7 | 691.4 |
| 7.5° | 683.5 | 684.3 | 682.7 | 683.1 | 684.3 | 686.0 | 686.0 | 687.7 | 690.6 | 691.9 | 691.4 |
| 10° | 685.6 | 684.8 | 683.5 | 683.1 | 683.9 | 684.3 | 685.2 | 688.1 | 690.6 | 691.9 | 693.9 |
| 12.5° | 701.9 | 699.4 | 698.1 | 697.7 | 698.1 | 697.3 | 700.2 | 701.1 | 701.9 | 703.6 | 702.7 |
| 15° | 732.8 | 729.5 | 727.4 | 725.3 | 729.9 | 727.8 | 727.8 | 725.3 | 721.1 | 714.9 | 706.9 |
| 17.5° | 775.9 | 772.1 | 770.5 | 769.6 | 770.0 | 766.3 | 758.7 | 746.6 | 732.0 | 715.3 | 699.8 |
| 20° | 837.8 | 843.6 | 841.1 | 829.8 | 825.6 | 808.9 | 785.1 | 760.0 | 734.5 | 707.7 | 682.2 |
| 22.5° | 944.8 | 941.4 | 930.1 | 902.1 | 877.1 | 839.4 | 796.8 | 756.2 | 718.6 | 679.7 | 646.3 |
| 25° | 1068.9 | 1040.9 | 1009.2 | 954.0 | 896.3 | 834.4 | 773.0 | 724.9 | 674.7 | 632.1 | 591.9 |
| 27.5° | 1221.1 | 1160.5 | 1079.4 | 989.5 | 903.4 | 821.0 | 748.3 | 684.8 | 627.5 | 581.9 | 537.2 |
| 30° | 1370.8 | 1269.6 | 1156.7 | 1037.6 | 921.4 | 810.2 | 714.0 | 640.4 | 574.4 | 515.9 | 470.7 |
| 32.5° | 1474.4 | 1351.9 | 1211.5 | 1064.3 | 923.0 | 792.6 | 676.4 | 588.6 | 514.2 | 455.2 | 400.9 |
| 35° | 1559.7 | 1406.7 | 1230.7 | 1060.2 | 896.3 | 751.6 | 622.5 | 525.1 | 446.1 | 385.0 | 337.4 |
| 37.5° | 1618.2 | 1434.7 | 1229.5 | 1035.9 | 848.6 | 686.4 | 560.6 | 461.5 | 387.9 | 331.1 | 287.2 |
| 40° | 1659.2 | 1443.5 | 1213.2 | 994.5 | 793.9 | 623.3 | 494.5 | 404.2 | 339.9 | 295.6 | 263.8 |
| 42.5° | 1678.9 | 1437.6 | 1188.9 | 955.2 | 739.5 | 572.3 | 444.8 | 365.8 | 313.5 | 280.1 | 256.7 |
| 45° | 1687.2 | 1423.4 | 1161.7 | 916.8 | 695.2 | 528.4 | 419.3 | 354.1 | 313.1 | 284.3 | 258.8 |
| 47.5° | 1685.1 | 1408.0 | 1137.5 | 885.0 | 668.9 | 516.7 | 424.3 | 370.0 | 328.6 | 292.6 | 260.0 |
| 50° | 1679.3 | 1393.7 | 1122.0 | 873.3 | 668.4 | 534.3 | 452.3 | 396.7 | 346.6 | 300.2 | 258.8 |
| 52.5° | 1678.9 | 1392.5 | 1130.4 | 887.1 | 692.7 | 574.0 | 494.5 | 427.7 | 364.1 | 308.5 | 259.2 |
| 55° | 1688.9 | 1415.1 | 1165.9 | 924.3 | 751.2 | 629.6 | 542.2 | 460.7 | 383.8 | 314.4 | 257.9 |
| 57.5° | 1729.4 | 1471.5 | 1233.2 | 1007.5 | 826.5 | 697.3 | 588.2 | 485.3 | 391.3 | 312.7 | 252.1 |
| 60° | 1818.5 | 1570.6 | 1336.9 | 1124.9 | 923.0 | 759.2 | 615.4 | 493.7 | 387.9 | 302.7 | 239.5 |
| 62.5° | 1957.3 | 1714.0 | 1479.0 | 1240.3 | 1008.7 | 796.4 | 621.6 | 487.0 | 374.6 | 285.9 | 224.1 |
| 63° | 1992.8 | 1747.0 | 1507.9 | 1264.2 | 1023.4 | 800.1 | 621.2 | 484.5 | 370.8 | 281.8 | 220.3 |
| 65° | 2141.2 | 1888.7 | 1623.7 | 1342.7 | 1062.7 | 807.7 | 611.6 | 468.6 | 354.1 | 262.1 | 203.2 |
| 67.5° | 2364.4 | 2045.1 | 1738.6 | 1415.9 | 1084.4 | 794.3 | 581.5 | 429.3 | 311.0 | 227.8 | 177.7 |
| 70° | 2513.3 | 2148.7 | 1807.2 | 1439.7 | 1058.9 | 733.2 | 512.5 | 359.9 | 254.2 | 187.7 | 151.7 |
| 72.5° | 2517.0 | 2055.9 | 1714.4 | 1316.0 | 914.3 | 604.9 | 401.3 | 272.1 | 197.7 | 152.6 | 130.8 |
| 75° | 2248.2 | 1737.4 | 1401.3 | 1080.6 | 703.6 | 427.7 | 282.2 | 198.6 | 151.7 | 125.8 | 113.3 |
| 77.5° | 1671.3 | 1267.5 | 1011.2 | 727.0 | 456.9 | 277.2 | 196.5 | 147.2 | 120.4 | 104.1 | 94.9 |
| 80° | 1037.2 | 792.2 | 613.7 | 434.8 | 273.8 | 184.4 | 143.8 | 117.1 | 101.2 | 87.0 | 79.4 |
| 82.5° | 625.4 | 443.5 | 346.6 | 262.5 | 175.2 | 132.9 | 110.8 | 98.7 | 85.7 | 73.2 | 67.3 |
| 85° | 458.2 | 317.3 | 232.4 | 162.2 | 108.3 | 87.8 | 77.8 | 75.2 | 66.5 | 56.4 | 53.1 |
| 87.5° | 144.2 | 151.3 | 157.2 | 95.7 | 52.3 | 39.7 | 33.9 | 39.7 | 38.0 | 26.8 | 29.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 2.5° | 696.0 | 697.7 | 696.5 | 696.5 | 695.6 | 695.2 | 698.1 | 697.3 | 698.1 | 697.7 | 698.5 |
| 5° | 693.5 | 694.8 | 693.9 | 694.8 | 693.9 | 693.9 | 697.7 | 697.7 | 699.4 | 700.2 | 702.3 |
| 7.5° | 694.4 | 694.8 | 694.4 | 695.6 | 694.8 | 693.9 | 696.0 | 697.3 | 700.2 | 702.7 | 704.8 |
| 10° | 697.3 | 698.5 | 698.1 | 698.1 | 695.6 | 693.9 | 695.2 | 696.0 | 699.0 | 700.2 | 702.7 |
| 12.5° | 704.4 | 702.7 | 699.4 | 697.3 | 691.4 | 688.1 | 686.4 | 685.6 | 687.7 | 689.4 | 690.6 |
| 15° | 702.7 | 693.5 | 686.0 | 679.7 | 671.0 | 665.5 | 661.3 | 660.9 | 661.3 | 661.8 | 663.0 |
| 17.5° | 685.6 | 673.0 | 658.0 | 650.1 | 640.0 | 634.2 | 631.2 | 629.2 | 628.7 | 629.6 | 631.7 |
| 20° | 660.9 | 642.5 | 625.8 | 612.0 | 601.1 | 591.9 | 594.0 | 589.4 | 591.5 | 592.8 | 596.5 |
| 22.5° | 623.3 | 597.8 | 578.6 | 561.8 | 548.9 | 539.3 | 539.3 | 535.1 | 535.9 | 539.7 | 544.7 |
| 25° | 562.3 | 538.4 | 510.8 | 499.1 | 484.5 | 477.8 | 476.6 | 475.7 | 479.1 | 483.7 | 486.6 |
| 27.5° | 507.1 | 474.5 | 447.3 | 431.8 | 416.4 | 418.0 | 409.7 | 414.7 | 418.5 | 422.2 | 425.6 |
| 30° | 432.7 | 405.9 | 381.3 | 365.8 | 347.4 | 347.8 | 349.1 | 349.9 | 353.2 | 358.3 | 365.0 |
| 32.5° | 361.2 | 332.3 | 309.4 | 292.6 | 281.8 | 278.4 | 273.8 | 281.3 | 285.5 | 290.5 | 297.2 |
| 35° | 302.2 | 272.1 | 252.9 | 238.3 | 232.0 | 227.4 | 226.2 | 225.3 | 229.1 | 231.6 | 237.0 |
| 37.5° | 260.0 | 239.5 | 225.3 | 214.9 | 209.0 | 204.0 | 202.8 | 201.9 | 201.5 | 200.7 | 204.0 |
| 40° | 242.9 | 226.6 | 214.5 | 204.8 | 199.4 | 196.5 | 195.2 | 193.6 | 191.9 | 189.8 | 189.4 |
| 42.5° | 237.9 | 220.3 | 206.1 | 196.5 | 192.3 | 191.9 | 191.9 | 191.0 | 189.4 | 186.4 | 184.4 |
| 45° | 235.8 | 214.5 | 198.2 | 190.6 | 187.7 | 188.1 | 188.1 | 188.1 | 186.9 | 183.9 | 180.6 |
| 47.5° | 232.0 | 207.3 | 190.6 | 184.4 | 183.1 | 183.9 | 184.8 | 184.8 | 183.9 | 181.4 | 177.7 |
| 50° | 224.9 | 196.5 | 178.9 | 173.1 | 172.7 | 173.1 | 173.1 | 173.9 | 173.1 | 171.0 | 167.6 |
| 52.5° | 219.5 | 188.1 | 170.1 | 165.5 | 165.5 | 165.1 | 164.7 | 164.7 | 164.3 | 162.6 | 160.1 |
| 55° | 214.5 | 182.7 | 166.4 | 162.6 | 163.5 | 163.5 | 162.6 | 162.2 | 160.5 | 158.4 | 155.9 |
| 57.5° | 207.3 | 176.8 | 162.6 | 160.1 | 160.9 | 160.5 | 160.1 | 159.7 | 158.0 | 155.5 | 152.2 |
| 60° | 194.8 | 166.4 | 155.1 | 153.4 | 154.7 | 155.1 | 156.8 | 157.2 | 156.3 | 153.4 | 148.8 |
| 62.5° | 181.0 | 153.4 | 145.1 | 143.8 | 145.1 | 146.3 | 147.6 | 146.7 | 146.7 | 143.8 | 139.6 |
| 63° | 176.4 | 151.3 | 142.1 | 142.1 | 143.4 | 144.6 | 145.5 | 144.6 | 145.1 | 141.7 | 137.5 |
| 65° | 166.0 | 143.8 | 136.7 | 137.1 | 138.4 | 139.2 | 139.6 | 139.6 | 139.2 | 136.7 | 132.9 |
| 67.5° | 148.4 | 132.9 | 128.8 | 130.8 | 132.5 | 132.9 | 132.9 | 133.8 | 132.9 | 131.3 | 127.9 |
| 70° | 132.5 | 122.5 | 119.6 | 122.1 | 122.9 | 123.3 | 123.3 | 123.3 | 122.5 | 120.8 | 117.9 |
| 72.5° | 120.4 | 115.4 | 115.0 | 114.5 | 115.0 | 113.7 | 113.7 | 112.9 | 110.8 | 109.5 | 107.0 |
| 75° | 107.0 | 104.5 | 104.9 | 104.5 | 103.7 | 103.3 | 101.2 | 100.3 | 97.8 | 96.1 | 92.8 |
| 77.5° | 92.0 | 92.4 | 92.0 | 92.4 | 93.2 | 93.6 | 90.7 | 88.6 | 86.5 | 84.9 | 83.2 |
| 80° | 76.5 | 77.3 | 76.5 | 77.3 | 77.8 | 77.8 | 74.8 | 71.5 | 69.8 | 71.1 | 71.5 |
| 82.5° | 68.1 | 68.1 | 64.8 | 65.6 | 64.8 | 63.5 | 61.5 | 60.2 | 58.9 | 58.1 | 60.2 |
| 85° | 53.9 | 54.3 | 55.2 | 54.3 | 52.7 | 51.4 | 49.3 | 47.7 | 46.4 | 47.7 | 50.6 |
| 87.5° | 32.2 | 34.7 | 33.4 | 33.4 | 33.0 | 33.0 | 31.4 | 30.5 | 29.3 | 34.3 | 36.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: LDRC-SLR-F03-E-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 2.5° | 698.1 | 699.4 | 699.8 | 699.4 | 699.8 | 700.6 | 697.3 | 700.6 | 701.1 | 698.5 | 699.4 |
| 5° | 704.0 | 706.1 | 709.0 | 709.0 | 711.1 | 712.3 | 710.7 | 715.3 | 716.1 | 715.7 | 717.8 |
| 7.5° | 708.2 | 711.1 | 714.9 | 716.9 | 720.7 | 722.4 | 723.6 | 727.8 | 728.6 | 730.3 | 732.0 |
| 10° | 707.7 | 711.9 | 715.3 | 721.1 | 725.7 | 729.1 | 731.6 | 736.2 | 737.8 | 740.4 | 741.6 |
| 12.5° | 695.6 | 700.2 | 706.5 | 714.9 | 723.2 | 728.6 | 735.3 | 742.0 | 744.5 | 747.9 | 750.0 |
| 15° | 668.4 | 672.2 | 681.0 | 691.9 | 703.1 | 716.9 | 726.6 | 737.0 | 741.6 | 744.9 | 747.9 |
| 17.5° | 632.9 | 636.3 | 644.2 | 653.8 | 668.9 | 682.2 | 696.9 | 712.8 | 720.7 | 724.5 | 725.7 |
| 20° | 599.9 | 604.9 | 607.0 | 618.3 | 623.3 | 636.7 | 649.2 | 666.8 | 676.8 | 683.5 | 687.7 |
| 22.5° | 548.1 | 550.6 | 561.4 | 566.0 | 569.8 | 578.2 | 593.6 | 609.1 | 622.5 | 633.3 | 636.7 |
| 25° | 490.8 | 497.5 | 503.3 | 507.1 | 515.9 | 516.3 | 528.8 | 539.7 | 556.4 | 566.9 | 575.2 |
| 27.5° | 427.7 | 437.7 | 441.0 | 443.5 | 450.2 | 458.2 | 462.8 | 473.6 | 483.3 | 495.4 | 510.4 |
| 30° | 364.1 | 373.7 | 380.4 | 384.2 | 390.5 | 398.0 | 401.3 | 408.4 | 421.0 | 434.3 | 446.1 |
| 32.5° | 304.8 | 314.8 | 318.1 | 330.3 | 331.9 | 339.0 | 341.5 | 352.8 | 359.9 | 371.2 | 385.0 |
| 35° | 246.6 | 257.1 | 267.1 | 273.8 | 281.3 | 280.9 | 287.6 | 298.1 | 304.3 | 316.0 | 325.2 |
| 37.5° | 206.9 | 213.2 | 220.3 | 227.8 | 236.2 | 242.5 | 248.7 | 253.3 | 258.3 | 266.3 | 274.7 |
| 40° | 189.4 | 191.0 | 194.0 | 198.6 | 204.4 | 209.0 | 213.6 | 217.4 | 221.1 | 227.4 | 232.8 |
| 42.5° | 182.3 | 181.0 | 181.0 | 180.2 | 182.3 | 184.8 | 188.5 | 189.8 | 195.6 | 199.4 | 201.5 |
| 45° | 177.2 | 174.3 | 172.2 | 169.7 | 168.9 | 169.7 | 171.8 | 174.7 | 178.5 | 179.8 | 179.8 |
| 47.5° | 174.3 | 169.7 | 166.4 | 162.6 | 160.5 | 160.5 | 161.8 | 163.9 | 166.0 | 166.4 | 166.0 |
| 50° | 164.3 | 159.7 | 155.5 | 152.2 | 150.5 | 150.5 | 150.9 | 153.8 | 154.3 | 153.4 | 153.8 |
| 52.5° | 156.8 | 152.2 | 148.0 | 145.1 | 143.0 | 143.4 | 144.6 | 145.9 | 147.2 | 146.3 | 145.5 |
| 55° | 152.2 | 146.7 | 143.0 | 139.6 | 137.1 | 138.0 | 139.2 | 140.9 | 143.0 | 141.7 | 140.5 |
| 57.5° | 148.0 | 143.4 | 138.8 | 135.4 | 132.5 | 133.4 | 134.6 | 137.1 | 139.6 | 137.1 | 135.4 |
| 60° | 144.2 | 139.6 | 135.0 | 131.7 | 128.3 | 129.2 | 130.8 | 133.4 | 135.4 | 132.1 | 130.0 |
| 62.5° | 135.0 | 130.8 | 127.5 | 125.8 | 123.7 | 125.0 | 126.2 | 129.2 | 128.3 | 125.0 | 122.5 |
| 63° | 133.4 | 129.2 | 126.2 | 124.6 | 122.9 | 124.6 | 125.0 | 127.9 | 126.7 | 123.3 | 121.2 |
| 65° | 128.3 | 125.0 | 122.1 | 120.4 | 118.7 | 119.6 | 119.6 | 120.8 | 119.1 | 116.6 | 115.0 |
| 67.5° | 123.7 | 120.0 | 117.1 | 113.7 | 112.0 | 111.2 | 110.8 | 110.4 | 109.1 | 107.9 | 107.4 |
| 70° | 113.7 | 111.2 | 108.7 | 105.8 | 103.3 | 101.6 | 100.7 | 99.9 | 99.1 | 98.7 | 98.2 |
| 72.5° | 102.8 | 100.7 | 98.2 | 96.6 | 94.5 | 93.2 | 91.1 | 90.7 | 89.9 | 89.0 | 88.6 |
| 75° | 91.1 | 88.6 | 87.8 | 86.1 | 84.9 | 84.0 | 82.4 | 81.9 | 81.1 | 79.8 | 79.4 |
| 77.5° | 80.7 | 79.8 | 78.6 | 78.2 | 76.1 | 74.8 | 74.0 | 73.6 | 72.7 | 71.9 | 71.1 |
| 80° | 71.9 | 71.5 | 70.6 | 70.2 | 69.0 | 67.3 | 66.5 | 66.9 | 65.6 | 65.2 | 64.0 |
| 82.5° | 64.8 | 65.2 | 65.2 | 64.0 | 62.7 | 60.6 | 59.8 | 61.0 | 60.2 | 58.5 | 56.9 |
| 85° | 55.2 | 54.8 | 55.2 | 54.8 | 52.3 | 50.2 | 49.3 | 50.2 | 49.7 | 47.2 | 46.8 |
| 87.5° | 39.3 | 38.9 | 38.0 | 40.6 | 37.2 | 30.1 | 30.9 | 35.1 | 33.9 | 32.6 | 31.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P146103

CATALOG NUMBER: LDRC-SLR-F03-E-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 2.5° | 701.1 | 699.8 | 700.6 | 701.1 | 699.8 | 702.7 | 699.8 | 700.2 | 701.1 | 698.5 | 698.1 |
| 5° | 719.4 | 719.4 | 722.8 | 723.2 | 722.8 | 726.6 | 726.1 | 726.6 | 725.7 | 725.3 | 723.6 |
| 7.5° | 734.5 | 736.2 | 738.7 | 742.4 | 743.7 | 746.6 | 747.5 | 747.9 | 749.5 | 751.2 | 750.4 |
| 10° | 745.4 | 750.0 | 752.1 | 755.8 | 759.6 | 761.7 | 763.8 | 767.1 | 768.4 | 769.6 | 767.9 |
| 12.5° | 752.9 | 758.3 | 761.7 | 766.3 | 770.9 | 774.2 | 778.0 | 782.2 | 786.3 | 787.6 | 785.5 |
| 15° | 749.1 | 755.4 | 760.4 | 765.4 | 772.5 | 778.8 | 785.9 | 793.4 | 798.9 | 801.0 | 798.5 |
| 17.5° | 725.7 | 732.0 | 739.5 | 747.0 | 754.6 | 766.3 | 776.3 | 788.8 | 797.6 | 803.9 | 804.7 |
| 20° | 693.5 | 697.3 | 708.2 | 715.7 | 727.8 | 741.6 | 756.7 | 771.3 | 781.3 | 792.6 | 799.3 |
| 22.5° | 645.9 | 653.4 | 665.5 | 678.5 | 690.6 | 708.6 | 724.5 | 743.7 | 760.8 | 776.3 | 790.9 |
| 25° | 587.8 | 598.2 | 612.4 | 630.4 | 646.3 | 665.5 | 688.5 | 709.8 | 738.7 | 762.9 | 794.3 |
| 27.5° | 525.1 | 544.3 | 563.9 | 582.7 | 600.3 | 622.0 | 645.9 | 669.7 | 702.7 | 741.6 | 782.6 |
| 30° | 465.7 | 481.6 | 506.2 | 528.0 | 548.5 | 575.2 | 599.9 | 626.2 | 657.6 | 703.6 | 750.0 |
| 32.5° | 403.8 | 416.8 | 436.0 | 462.8 | 486.6 | 518.0 | 539.7 | 571.0 | 607.4 | 655.9 | 708.6 |
| 35° | 339.9 | 357.8 | 373.3 | 391.7 | 409.7 | 441.0 | 473.6 | 508.3 | 550.1 | 602.0 | 659.7 |
| 37.5° | 283.4 | 294.7 | 302.2 | 321.1 | 336.9 | 363.7 | 401.7 | 443.5 | 489.5 | 542.2 | 604.1 |
| 40° | 236.6 | 243.7 | 252.1 | 264.6 | 278.0 | 302.2 | 337.4 | 384.2 | 432.3 | 484.9 | 546.8 |
| 42.5° | 204.4 | 209.0 | 209.9 | 219.5 | 232.0 | 255.8 | 283.9 | 326.9 | 380.0 | 435.2 | 497.1 |
| 45° | 182.3 | 182.3 | 181.8 | 186.0 | 196.1 | 216.5 | 242.0 | 280.5 | 331.1 | 388.8 | 453.2 |
| 47.5° | 166.8 | 168.1 | 167.6 | 169.3 | 176.0 | 191.0 | 214.0 | 246.6 | 292.6 | 349.1 | 413.9 |
| 50° | 155.1 | 156.8 | 157.2 | 157.6 | 160.1 | 172.7 | 192.3 | 218.6 | 259.6 | 313.5 | 378.7 |
| 52.5° | 145.9 | 146.3 | 146.3 | 145.9 | 146.7 | 153.8 | 170.1 | 194.4 | 232.4 | 280.9 | 343.6 |
| 55° | 140.9 | 141.3 | 141.3 | 141.3 | 141.3 | 145.9 | 157.6 | 177.2 | 207.8 | 253.3 | 310.2 |
| 57.5° | 135.0 | 135.0 | 135.9 | 135.9 | 135.9 | 137.5 | 145.9 | 162.2 | 185.6 | 222.0 | 272.6 |
| 60° | 130.0 | 131.3 | 132.9 | 133.4 | 132.9 | 132.9 | 137.1 | 148.0 | 163.5 | 189.8 | 232.4 |
| 62.5° | 122.5 | 124.2 | 126.2 | 127.1 | 127.5 | 126.7 | 128.8 | 133.4 | 142.6 | 156.3 | 185.2 |
| 63° | 121.2 | 122.9 | 124.6 | 125.4 | 125.8 | 125.0 | 126.7 | 130.4 | 138.0 | 149.2 | 175.2 |
| 65° | 115.8 | 117.9 | 118.3 | 118.7 | 118.3 | 117.9 | 117.5 | 117.5 | 119.6 | 123.7 | 137.5 |
| 67.5° | 108.3 | 109.5 | 109.5 | 110.4 | 108.3 | 107.4 | 106.6 | 105.8 | 104.5 | 104.9 | 109.9 |
| 70° | 99.5 | 100.3 | 99.9 | 99.5 | 98.7 | 97.4 | 96.6 | 95.3 | 92.8 | 92.0 | 94.5 |
| 72.5° | 89.5 | 90.3 | 90.3 | 90.3 | 88.6 | 87.8 | 87.0 | 86.1 | 85.3 | 86.1 | 87.0 |
| 75° | 80.3 | 80.3 | 81.1 | 80.7 | 79.4 | 78.6 | 78.2 | 77.8 | 77.8 | 77.8 | 77.3 |
| 77.5° | 71.5 | 71.1 | 71.1 | 69.8 | 69.0 | 68.6 | 69.4 | 69.8 | 69.4 | 68.6 | 68.1 |
| 80° | 64.0 | 61.9 | 59.8 | 58.1 | 57.7 | 58.5 | 59.4 | 61.9 | 60.6 | 60.6 | 59.8 |
| 82.5° | 54.3 | 49.7 | 46.8 | 47.2 | 46.0 | 46.4 | 47.2 | 50.2 | 49.3 | 49.7 | 51.4 |
| 85° | 43.5 | 39.3 | 34.7 | 35.5 | 35.5 | 34.7 | 36.8 | 37.6 | 38.5 | 40.6 | 38.9 |
| 87.5° | 30.5 | 26.8 | 22.2 | 19.2 | 20.1 | 20.9 | 21.7 | 20.9 | 18.4 | 19.2 | 18.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P146103

CATALOG NUMBER: LDRC-SLR-F03-E-8030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 2.5° | 697.3 | 697.7 | 697.7 | 694.8 | 693.9 | 694.8 | 694.4 | 694.4 | 691.9 | 692.3 | 691.4 |
| 5° | 722.8 | 723.6 | 721.1 | 719.0 | 716.1 | 715.7 | 715.3 | 713.6 | 711.9 | 708.6 | 706.9 |
| 7.5° | 750.0 | 746.2 | 745.4 | 741.6 | 740.4 | 737.0 | 734.5 | 732.0 | 729.9 | 728.2 | 727.0 |
| 10° | 767.1 | 764.2 | 763.3 | 756.7 | 754.6 | 750.4 | 747.9 | 744.9 | 742.4 | 739.9 | 739.5 |
| 12.5° | 782.6 | 777.6 | 774.6 | 765.4 | 761.3 | 756.7 | 754.6 | 752.1 | 751.2 | 750.8 | 752.5 |
| 15° | 794.7 | 787.6 | 782.2 | 773.8 | 770.5 | 767.9 | 768.4 | 767.1 | 772.1 | 775.0 | 780.5 |
| 17.5° | 802.6 | 799.7 | 798.5 | 792.2 | 794.3 | 794.3 | 800.1 | 803.1 | 812.3 | 819.8 | 827.3 |
| 20° | 806.8 | 812.3 | 822.7 | 824.8 | 829.8 | 835.2 | 844.0 | 849.0 | 858.7 | 869.5 | 880.0 |
| 22.5° | 810.6 | 833.6 | 854.9 | 870.8 | 882.1 | 894.6 | 900.9 | 911.3 | 918.0 | 926.0 | 941.8 |
| 25° | 831.5 | 869.9 | 907.6 | 928.1 | 954.8 | 972.8 | 987.0 | 997.4 | 1009.2 | 1015.8 | 1033.8 |
| 27.5° | 825.6 | 874.5 | 924.7 | 962.3 | 1004.1 | 1038.0 | 1068.1 | 1088.2 | 1103.2 | 1127.5 | 1142.5 |
| 30° | 798.9 | 855.7 | 916.3 | 969.9 | 1028.4 | 1083.6 | 1135.8 | 1182.6 | 1222.8 | 1255.4 | 1277.5 |
| 32.5° | 760.8 | 826.0 | 897.1 | 963.2 | 1038.0 | 1111.6 | 1186.8 | 1258.3 | 1326.4 | 1380.4 | 1414.2 |
| 35° | 718.2 | 788.4 | 867.0 | 945.2 | 1035.1 | 1131.2 | 1232.8 | 1329.0 | 1427.6 | 1513.7 | 1581.5 |
| 37.5° | 666.4 | 742.4 | 828.6 | 919.3 | 1022.5 | 1137.9 | 1265.8 | 1396.7 | 1522.5 | 1652.9 | 1748.2 |
| 40° | 612.0 | 686.4 | 775.9 | 879.6 | 998.7 | 1134.6 | 1291.3 | 1461.1 | 1643.3 | 1811.4 | 1956.4 |
| 42.5° | 565.6 | 638.3 | 732.0 | 834.4 | 962.7 | 1122.0 | 1308.5 | 1518.7 | 1743.2 | 1961.0 | 2153.7 |
| 45° | 520.0 | 597.8 | 692.3 | 800.5 | 940.6 | 1117.0 | 1330.6 | 1568.9 | 1825.2 | 2083.5 | 2329.3 |
| 47.5° | 484.1 | 561.0 | 656.3 | 772.5 | 922.6 | 1114.1 | 1351.5 | 1615.7 | 1892.1 | 2174.7 | 2466.0 |
| 50° | 449.8 | 523.4 | 616.2 | 738.7 | 903.8 | 1109.5 | 1364.1 | 1652.9 | 1944.3 | 2246.1 | 2563.0 |
| 52.5° | 414.7 | 491.2 | 581.5 | 700.2 | 879.1 | 1100.3 | 1367.8 | 1682.2 | 1998.2 | 2314.7 | 2653.7 |
| 55° | 379.2 | 455.7 | 546.0 | 668.9 | 845.7 | 1082.3 | 1364.9 | 1703.5 | 2054.7 | 2387.0 | 2736.5 |
| 57.5° | 335.7 | 410.9 | 505.4 | 629.2 | 802.6 | 1046.4 | 1350.7 | 1712.7 | 2089.8 | 2454.7 | 2819.7 |
| 60° | 286.8 | 357.8 | 447.3 | 573.6 | 750.0 | 994.5 | 1318.9 | 1699.8 | 2105.7 | 2499.5 | 2907.9 |
| 62.5° | 225.3 | 287.2 | 369.5 | 495.0 | 673.5 | 919.7 | 1249.5 | 1642.5 | 2067.2 | 2488.2 | 2945.9 |
| 63° | 211.5 | 271.3 | 356.2 | 474.1 | 650.9 | 893.8 | 1229.0 | 1622.8 | 2050.1 | 2477.7 | 2941.3 |
| 65° | 161.4 | 205.7 | 275.9 | 381.3 | 550.1 | 774.2 | 1121.2 | 1511.6 | 1942.2 | 2373.6 | 2869.0 |
| 67.5° | 119.1 | 142.1 | 185.2 | 255.8 | 387.1 | 602.4 | 918.9 | 1305.5 | 1713.1 | 2118.6 | 2622.8 |
| 70° | 98.7 | 107.4 | 127.5 | 163.9 | 239.5 | 399.6 | 649.2 | 993.7 | 1377.0 | 1726.1 | 2181.3 |
| 72.5° | 88.2 | 94.5 | 103.7 | 120.0 | 151.3 | 234.5 | 422.2 | 645.0 | 959.0 | 1260.8 | 1645.4 |
| 75° | 79.0 | 83.2 | 90.7 | 100.3 | 114.5 | 146.7 | 223.2 | 382.5 | 586.1 | 849.5 | 1128.7 |
| 77.5° | 69.4 | 73.6 | 81.1 | 88.6 | 97.8 | 111.6 | 138.4 | 217.8 | 350.7 | 495.8 | 692.7 |
| 80° | 60.2 | 62.3 | 68.6 | 79.4 | 86.1 | 97.4 | 106.2 | 136.3 | 191.0 | 259.6 | 369.1 |
| 82.5° | 49.7 | 50.2 | 54.3 | 62.7 | 71.1 | 75.2 | 77.8 | 85.7 | 109.9 | 137.1 | 181.0 |
| 85° | 35.5 | 33.9 | 36.4 | 39.7 | 46.4 | 42.6 | 45.6 | 48.1 | 58.5 | 70.6 | 129.6 |
| 87.5° | 15.9 | 12.5 | 14.6 | 16.3 | 14.6 | 10.0 | 14.6 | 12.1 | 15.0 | 29.7 | 33.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P146103
 CATALOG NUMBER: LDRC-SLR-F03-E-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 0° |
| 2.5° | 692.3 | 689.8 | 689.8 | 689.4 | 689.8 | 688.9 | 687.3 | 687.3 | 688.5 | 688.1 | 688.1 | 2.5° |
| 5° | 706.9 | 703.6 | 702.7 | 702.3 | 702.3 | 700.2 | 697.7 | 696.5 | 696.0 | 694.4 | 693.1 | 5° |
| 7.5° | 726.1 | 724.0 | 725.3 | 722.8 | 722.0 | 721.5 | 718.2 | 715.7 | 711.9 | 710.3 | 704.0 | 7.5° |
| 10° | 742.0 | 740.8 | 744.1 | 743.7 | 744.1 | 744.1 | 739.5 | 737.0 | 731.6 | 728.6 | 720.7 | 10° |
| 12.5° | 755.8 | 756.7 | 762.9 | 762.9 | 764.2 | 765.9 | 763.3 | 757.9 | 755.8 | 752.9 | 744.5 | 12.5° |
| 15° | 790.9 | 794.3 | 798.9 | 806.4 | 808.5 | 808.9 | 811.0 | 806.4 | 801.0 | 793.4 | 783.4 | 15° |
| 17.5° | 838.6 | 845.3 | 860.7 | 871.6 | 873.7 | 875.8 | 874.5 | 873.7 | 863.7 | 857.4 | 847.0 | 17.5° |
| 20° | 898.4 | 914.7 | 936.4 | 951.5 | 958.2 | 959.0 | 967.3 | 961.5 | 952.3 | 939.8 | 924.7 | 20° |
| 22.5° | 965.3 | 992.4 | 1020.0 | 1042.2 | 1055.1 | 1061.0 | 1069.8 | 1061.4 | 1049.3 | 1041.8 | 1021.7 | 22.5° |
| 25° | 1056.8 | 1086.5 | 1118.3 | 1135.8 | 1168.8 | 1178.5 | 1183.5 | 1181.0 | 1168.4 | 1173.9 | 1155.5 | 25° |
| 27.5° | 1182.2 | 1207.7 | 1252.5 | 1274.6 | 1305.5 | 1323.5 | 1319.8 | 1340.7 | 1344.4 | 1357.4 | 1359.5 | 27.5° |
| 30° | 1318.9 | 1361.1 | 1421.3 | 1466.1 | 1513.3 | 1543.8 | 1568.1 | 1586.5 | 1607.8 | 1643.7 | 1665.5 | 30° |
| 32.5° | 1466.5 | 1527.5 | 1604.4 | 1699.3 | 1799.7 | 1881.6 | 1974.0 | 1989.9 | 2037.5 | 2023.7 | 2014.5 | 32.5° |
| 35° | 1630.8 | 1707.7 | 1806.4 | 1930.9 | 2076.8 | 2212.3 | 2301.3 | 2346.0 | 2364.9 | 2375.3 | 2311.8 | 35° |
| 37.5° | 1850.7 | 1954.8 | 2064.7 | 2200.6 | 2312.2 | 2438.9 | 2541.3 | 2652.5 | 2703.5 | 2679.2 | 2557.6 | 37.5° |
| 40° | 2094.4 | 2191.8 | 2340.6 | 2451.8 | 2583.5 | 2792.1 | 2930.9 | 3064.7 | 3106.5 | 3025.8 | 2835.2 | 40° |
| 42.5° | 2338.9 | 2472.7 | 2634.1 | 2792.1 | 2943.4 | 3132.4 | 3316.3 | 3448.4 | 3494.4 | 3356.5 | 3130.3 | 42.5° |
| 45° | 2556.7 | 2728.1 | 2917.9 | 3080.1 | 3291.7 | 3538.7 | 3764.0 | 3870.2 | 3861.9 | 3640.3 | 3385.7 | 45° |
| 47.5° | 2746.5 | 2968.9 | 3183.0 | 3401.6 | 3614.8 | 3893.6 | 4116.9 | 4238.9 | 4152.4 | 3919.6 | 3631.1 | 47.5° |
| 50° | 2903.3 | 3172.1 | 3430.4 | 3681.7 | 3943.4 | 4239.8 | 4455.1 | 4567.9 | 4436.3 | 4141.5 | 3819.2 | 50° |
| 52.5° | 3022.4 | 3355.6 | 3653.3 | 3934.2 | 4246.9 | 4567.1 | 4758.6 | 4826.7 | 4621.4 | 4313.4 | 3960.1 | 52.5° |
| 55° | 3134.9 | 3511.5 | 3841.0 | 4159.9 | 4549.1 | 4836.3 | 5015.7 | 5003.1 | 4738.1 | 4388.2 | 4048.3 | 55° |
| 57.5° | 3219.8 | 3644.5 | 3995.2 | 4358.5 | 4777.8 | 5084.6 | 5188.3 | 5105.5 | 4786.6 | 4410.3 | 4073.8 | 57.5° |
| 60° | 3326.8 | 3748.2 | 4132.3 | 4537.8 | 4995.2 | 5254.8 | 5268.6 | 5120.2 | 4772.8 | 4368.5 | 4037.9 | 60° |
| 62.5° | 3395.3 | 3813.0 | 4219.7 | 4660.7 | 5160.7 | 5350.5 | 5251.9 | 5057.0 | 4693.4 | 4265.3 | 3955.5 | 62.5° |
| 63° | 3402.0 | 3819.2 | 4226.8 | 4672.9 | 5184.1 | 5354.7 | 5236.4 | 5028.6 | 4669.9 | 4236.8 | 3933.8 | 63° |
| 65° | 3371.9 | 3801.2 | 4194.2 | 4651.1 | 5190.0 | 5305.4 | 5123.1 | 4912.0 | 4540.8 | 4091.8 | 3805.8 | 65° |
| 67.5° | 3161.6 | 3608.1 | 3983.1 | 4411.6 | 4964.2 | 5028.2 | 4845.5 | 4616.0 | 4267.4 | 3779.1 | 3526.2 | 67.5° |
| 70° | 2785.0 | 3209.3 | 3475.2 | 3873.2 | 4359.3 | 4435.8 | 4272.4 | 4094.7 | 3784.9 | 3376.9 | 3167.1 | 70° |
| 72.5° | 2243.6 | 2660.4 | 2820.1 | 3124.9 | 3511.1 | 3494.4 | 3379.4 | 3357.3 | 3194.3 | 2851.9 | 2725.6 | 72.5° |
| 75° | 1677.2 | 2073.9 | 2141.2 | 2265.4 | 2481.1 | 2475.6 | 2502.4 | 2597.7 | 2679.2 | 2476.9 | 2315.1 | 75° |
| 77.5° | 1106.1 | 1500.8 | 1542.6 | 1687.2 | 1747.0 | 1910.9 | 2103.2 | 2342.7 | 2461.4 | 2378.7 | 2180.1 | 77.5° |
| 80° | 612.0 | 1026.7 | 1018.3 | 1074.8 | 1180.5 | 1418.8 | 1710.2 | 2066.0 | 2303.4 | 2244.0 | 2026.7 | 80° |
| 82.5° | 318.1 | 648.8 | 639.2 | 649.2 | 747.5 | 947.7 | 1169.3 | 1460.2 | 1705.6 | 1711.0 | 1637.9 | 82.5° |
| 85° | 236.6 | 465.7 | 493.3 | 515.9 | 581.1 | 650.9 | 691.4 | 784.7 | 919.3 | 1044.7 | 1089.4 | 85° |
| 87.5° | 87.0 | 279.7 | 348.2 | 374.1 | 375.8 | 367.0 | 298.9 | 329.0 | 299.3 | 354.1 | 494.5 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



NUMBER: P146103

NUMBER: LDRC-SLR-F03-E-8030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 | 691.4 |
| 688.9 | 688.9 | 688.5 | 689.4 | 689.8 | 691.0 | 690.6 |
| 691.9 | 690.6 | 689.4 | 688.5 | 687.7 | 688.1 | 687.3 |
| 699.4 | 695.2 | 691.9 | 688.9 | 686.4 | 686.0 | 683.5 |
| 716.1 | 708.6 | 702.3 | 697.7 | 692.7 | 690.2 | 685.6 |
| 737.4 | 729.1 | 721.1 | 714.4 | 708.6 | 705.2 | 701.9 |
| 774.6 | 762.5 | 752.9 | 745.8 | 739.9 | 736.2 | 732.8 |
| 829.8 | 814.8 | 800.1 | 786.3 | 784.7 | 775.9 | 775.9 |
| 905.9 | 885.4 | 866.6 | 854.9 | 849.5 | 837.8 | 837.8 |
| 1011.2 | 991.2 | 963.2 | 949.0 | 950.2 | 940.2 | 944.8 |
| 1147.5 | 1130.8 | 1102.0 | 1096.1 | 1096.1 | 1085.2 | 1068.9 |
| 1351.9 | 1346.1 | 1314.3 | 1322.3 | 1305.5 | 1265.0 | 1221.1 |
| 1655.4 | 1655.4 | 1594.0 | 1549.7 | 1511.2 | 1448.1 | 1370.8 |
| 1959.4 | 1919.6 | 1825.6 | 1750.3 | 1670.5 | 1573.9 | 1474.4 |
| 2216.0 | 2110.3 | 2015.0 | 1923.0 | 1803.0 | 1699.3 | 1559.7 |
| 2432.6 | 2332.3 | 2223.1 | 2083.1 | 1942.2 | 1797.6 | 1618.2 |
| 2701.0 | 2578.9 | 2415.0 | 2239.0 | 2066.0 | 1867.0 | 1659.2 |
| 2946.4 | 2793.4 | 2586.4 | 2363.6 | 2143.3 | 1921.3 | 1678.9 |
| 3177.1 | 2979.8 | 2724.4 | 2456.8 | 2206.0 | 1954.8 | 1687.2 |
| 3394.5 | 3129.9 | 2832.6 | 2523.3 | 2249.1 | 1972.7 | 1685.1 |
| 3537.9 | 3239.8 | 2900.8 | 2563.4 | 2275.0 | 1979.0 | 1679.3 |
| 3627.8 | 3307.1 | 2940.9 | 2585.6 | 2287.9 | 1980.3 | 1678.9 |
| 3678.3 | 3345.2 | 2962.7 | 2601.1 | 2302.2 | 1987.8 | 1688.9 |
| 3717.6 | 3375.3 | 2986.9 | 2627.4 | 2336.0 | 2022.9 | 1729.4 |
| 3754.8 | 3454.3 | 3050.0 | 2675.9 | 2395.0 | 2088.5 | 1818.5 |
| 3770.3 | 3604.4 | 3178.4 | 2765.3 | 2477.3 | 2193.9 | 1957.3 |
| 3769.1 | 3632.8 | 3215.6 | 2790.0 | 2499.1 | 2221.9 | 1992.8 |
| 3723.5 | 3723.1 | 3384.9 | 2907.9 | 2600.2 | 2351.5 | 2141.2 |
| 3588.5 | 3768.2 | 3572.2 | 3063.4 | 2757.4 | 2565.1 | 2364.4 |
| 3374.8 | 3713.5 | 3597.7 | 3104.4 | 2869.0 | 2761.2 | 2513.3 |
| 3007.0 | 3451.8 | 3359.0 | 2929.6 | 2831.0 | 2799.6 | 2517.0 |
| 2432.2 | 2775.0 | 2735.2 | 2502.8 | 2539.2 | 2603.6 | 2248.2 |
| 1959.4 | 1948.5 | 1942.6 | 1858.2 | 2012.9 | 2143.7 | 1671.3 |
| 1636.6 | 1348.2 | 1252.0 | 1219.4 | 1474.4 | 1574.8 | 1037.2 |
| 1530.0 | 1211.1 | 971.5 | 930.6 | 1104.9 | 1158.4 | 625.4 |
| 1169.3 | 1176.0 | 1017.9 | 872.5 | 859.5 | 786.8 | 458.2 |
| 572.3 | 581.9 | 614.9 | 561.4 | 481.6 | 405.9 | 144.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)