

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: P146090

Luminaire Tested: **LDRC-SLR-E02-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146090
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-E02-E
Description: RC LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5386.9 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

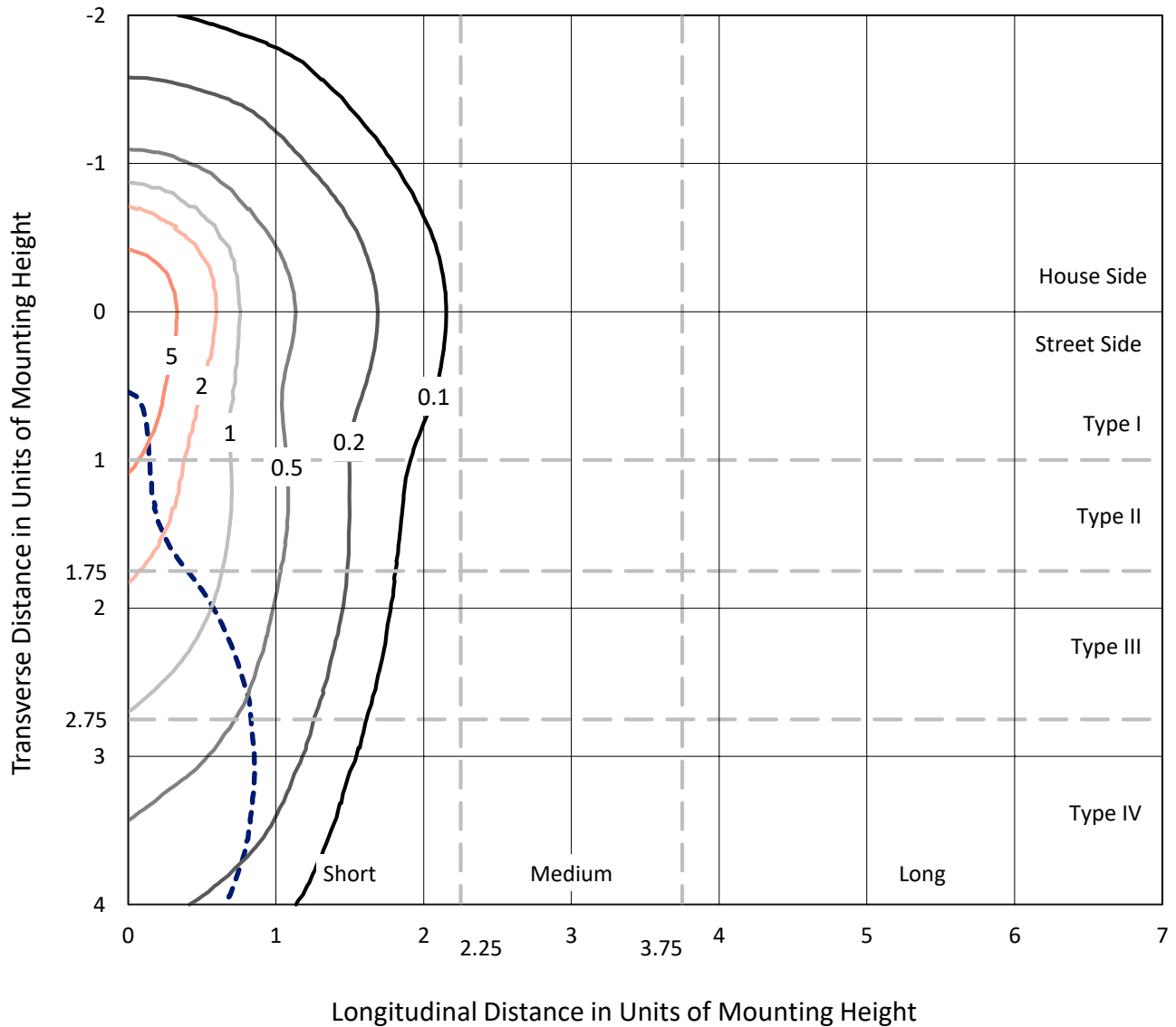
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146090
 CATALOG NUMBER: LDRC-SLR-E02-E

Iso-Footcandle Lines of Horizontal Illumination

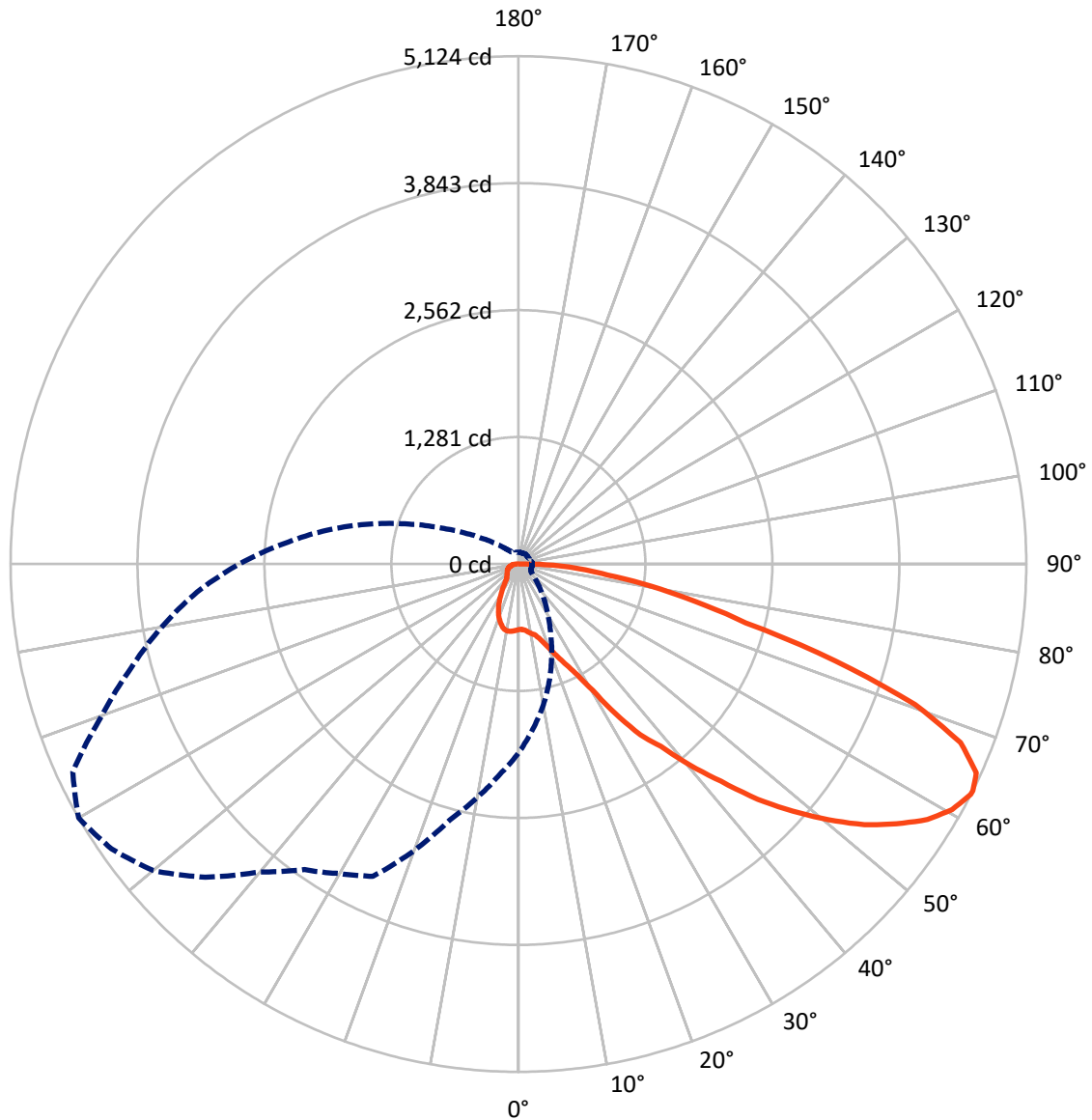
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P146090
CATALOG NUMBER: LDRC-SLR-E02-E

Luminous Intensity Polar Plot



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

REPORT NUMBER: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1127.6 | 0.0 | 1127.6 |
| | % Fixture | 20.9 | 0.0 | 20.9 |
| Street Side | Lumens | 4259.2 | 0.0 | 4259.2 |
| | % Fixture | 79.1 | 0.0 | 79.1 |
| Total | Lumens | 5386.9 | 0.0 | 5386.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.0 | 1.2 |
| 10°-20° | 202.8 | 3.8 |
| 20°-30° | 358.6 | 6.7 |
| 30°-40° | 566.2 | 10.5 |
| 40°-50° | 832.6 | 15.5 |
| 50°-60° | 1096.7 | 20.4 |
| 60°-70° | 1222.4 | 22.7 |
| 70°-80° | 803.1 | 14.9 |
| 80°-90° | 239.5 | 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° | 5386.9 | 100.0 |
| 0°-180° | 5386.9 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P146090

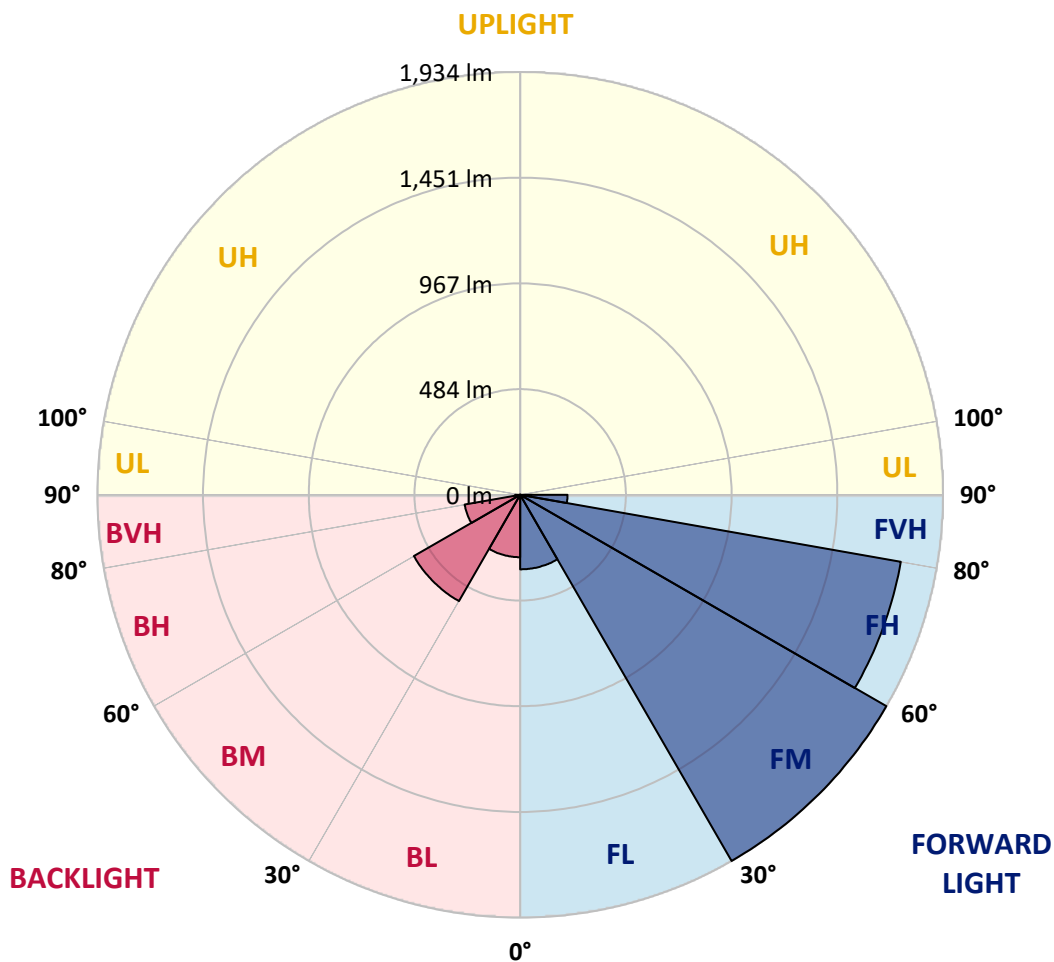
CATALOG NUMBER: LDRC-SLR-E02-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 340.9 | 6.3 | | | |
| FM | (30°-60°) | 1934.0 | 35.9 | | | |
| FH | (60°-80°) | 1767.8 | 32.8 | | | G1/1800 |
| FVH | (80°-90°) | 216.5 | 4.0 | | | G2/225 |
| BL | (0°-30°) | 285.5 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 561.4 | 10.4 | B1/1000 | | |
| BH | (60°-80°) | 257.7 | 4.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 23.0 | 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-G2

Type IV Short





REPORT NUMBER: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 2.5° | 660.8 | 662.0 | 662.0 | 660.8 | 662.0 | 661.6 | 661.6 | 662.8 | 663.2 | 665.2 | 664.0 |
| 5° | 657.6 | 658.0 | 658.4 | 657.6 | 658.0 | 658.0 | 658.8 | 660.0 | 660.4 | 662.8 | 661.6 |
| 7.5° | 654.0 | 654.8 | 653.2 | 653.6 | 654.8 | 656.4 | 656.4 | 658.0 | 660.8 | 662.0 | 661.6 |
| 10° | 656.0 | 655.2 | 654.0 | 653.6 | 654.4 | 654.8 | 655.6 | 658.4 | 660.8 | 662.0 | 664.0 |
| 12.5° | 671.6 | 669.2 | 668.0 | 667.6 | 668.0 | 667.2 | 670.0 | 670.8 | 671.6 | 673.2 | 672.4 |
| 15° | 701.2 | 698.0 | 696.0 | 694.0 | 698.4 | 696.4 | 696.4 | 694.0 | 690.0 | 684.0 | 676.4 |
| 17.5° | 742.4 | 738.8 | 737.2 | 736.4 | 736.8 | 733.2 | 726.0 | 714.4 | 700.4 | 684.4 | 669.6 |
| 20° | 801.6 | 807.2 | 804.8 | 794.0 | 790.0 | 774.0 | 751.2 | 727.2 | 702.8 | 677.2 | 652.8 |
| 22.5° | 904.0 | 900.8 | 890.0 | 863.2 | 839.2 | 803.2 | 762.4 | 723.6 | 687.6 | 650.4 | 618.4 |
| 25° | 1022.8 | 996.0 | 965.6 | 912.8 | 857.6 | 798.4 | 739.6 | 693.6 | 645.6 | 604.8 | 566.4 |
| 27.5° | 1168.4 | 1110.4 | 1032.8 | 946.8 | 864.4 | 785.6 | 716.0 | 655.2 | 600.4 | 556.8 | 514.0 |
| 30° | 1311.6 | 1214.8 | 1106.8 | 992.8 | 881.6 | 775.2 | 683.2 | 612.8 | 549.6 | 493.6 | 450.4 |
| 32.5° | 1410.8 | 1293.6 | 1159.2 | 1018.4 | 883.2 | 758.4 | 647.2 | 563.2 | 492.0 | 435.6 | 383.6 |
| 35° | 1492.4 | 1346.0 | 1177.6 | 1014.4 | 857.6 | 719.2 | 595.6 | 502.4 | 426.8 | 368.4 | 322.8 |
| 37.5° | 1548.4 | 1372.8 | 1176.4 | 991.2 | 812.0 | 656.8 | 536.4 | 441.6 | 371.2 | 316.8 | 274.8 |
| 40° | 1587.6 | 1381.2 | 1160.8 | 951.6 | 759.6 | 596.4 | 473.2 | 386.8 | 325.2 | 282.8 | 252.4 |
| 42.5° | 1606.4 | 1375.6 | 1137.6 | 914.0 | 707.6 | 547.6 | 425.6 | 350.0 | 300.0 | 268.0 | 245.6 |
| 45° | 1614.4 | 1362.0 | 1111.6 | 877.2 | 665.2 | 505.6 | 401.2 | 338.8 | 299.6 | 272.0 | 247.6 |
| 47.5° | 1612.4 | 1347.2 | 1088.4 | 846.8 | 640.0 | 494.4 | 406.0 | 354.0 | 314.4 | 280.0 | 248.8 |
| 50° | 1606.8 | 1333.6 | 1073.6 | 835.6 | 639.6 | 511.2 | 432.8 | 379.6 | 331.6 | 287.2 | 247.6 |
| 52.5° | 1606.4 | 1332.4 | 1081.6 | 848.8 | 662.8 | 549.2 | 473.2 | 409.2 | 348.4 | 295.2 | 248.0 |
| 55° | 1616.0 | 1354.0 | 1115.6 | 884.4 | 718.8 | 602.4 | 518.8 | 440.8 | 367.2 | 300.8 | 246.8 |
| 57.5° | 1654.8 | 1408.0 | 1180.0 | 964.0 | 790.8 | 667.2 | 562.8 | 464.4 | 374.4 | 299.2 | 241.2 |
| 60° | 1740.0 | 1502.8 | 1279.2 | 1076.4 | 883.2 | 726.4 | 588.8 | 472.4 | 371.2 | 289.6 | 229.2 |
| 62.5° | 1872.8 | 1640.0 | 1415.2 | 1186.8 | 965.2 | 762.0 | 594.8 | 466.0 | 358.4 | 273.6 | 214.4 |
| 63° | 1906.8 | 1671.6 | 1442.8 | 1209.6 | 979.2 | 765.6 | 594.4 | 463.6 | 354.8 | 269.6 | 210.8 |
| 65° | 2048.8 | 1807.2 | 1553.6 | 1284.8 | 1016.8 | 772.8 | 585.2 | 448.4 | 338.8 | 250.8 | 194.4 |
| 67.5° | 2262.4 | 1956.8 | 1663.6 | 1354.8 | 1037.6 | 760.0 | 556.4 | 410.8 | 297.6 | 218.0 | 170.0 |
| 70° | 2404.8 | 2056.0 | 1729.2 | 1377.6 | 1013.2 | 701.6 | 490.4 | 344.4 | 243.2 | 179.6 | 145.2 |
| 72.5° | 2408.4 | 1967.2 | 1640.4 | 1259.2 | 874.8 | 578.8 | 384.0 | 260.4 | 189.2 | 146.0 | 125.2 |
| 75° | 2151.2 | 1662.4 | 1340.8 | 1034.0 | 673.2 | 409.2 | 270.0 | 190.0 | 145.2 | 120.4 | 108.4 |
| 77.5° | 1599.2 | 1212.8 | 967.6 | 695.6 | 437.2 | 265.2 | 188.0 | 140.8 | 115.2 | 99.6 | 90.8 |
| 80° | 992.4 | 758.0 | 587.2 | 416.0 | 262.0 | 176.4 | 137.6 | 112.0 | 96.8 | 83.2 | 76.0 |
| 82.5° | 598.4 | 424.4 | 331.6 | 251.2 | 167.6 | 127.2 | 106.0 | 94.4 | 82.0 | 70.0 | 64.4 |
| 85° | 438.4 | 303.6 | 222.4 | 155.2 | 103.6 | 84.0 | 74.4 | 72.0 | 63.6 | 54.0 | 50.8 |
| 87.5° | 138.0 | 144.8 | 150.4 | 91.6 | 50.0 | 38.0 | 32.4 | 38.0 | 36.4 | 25.6 | 28.0 |
| 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: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 2.5° | 666.0 | 667.6 | 666.4 | 666.4 | 665.6 | 665.2 | 668.0 | 667.2 | 668.0 | 667.6 | 668.4 |
| 5° | 663.6 | 664.8 | 664.0 | 664.8 | 664.0 | 664.0 | 667.6 | 667.6 | 669.2 | 670.0 | 672.0 |
| 7.5° | 664.4 | 664.8 | 664.4 | 665.6 | 664.8 | 664.0 | 666.0 | 667.2 | 670.0 | 672.4 | 674.4 |
| 10° | 667.2 | 668.4 | 668.0 | 668.0 | 665.6 | 664.0 | 665.2 | 666.0 | 668.8 | 670.0 | 672.4 |
| 12.5° | 674.0 | 672.4 | 669.2 | 667.2 | 661.6 | 658.4 | 656.8 | 656.0 | 658.0 | 659.6 | 660.8 |
| 15° | 672.4 | 663.6 | 656.4 | 650.4 | 642.0 | 636.8 | 632.8 | 632.4 | 632.8 | 633.2 | 634.4 |
| 17.5° | 656.0 | 644.0 | 629.6 | 622.0 | 612.4 | 606.8 | 604.0 | 602.0 | 601.6 | 602.4 | 604.4 |
| 20° | 632.4 | 614.8 | 598.8 | 585.6 | 575.2 | 566.4 | 568.4 | 564.0 | 566.0 | 567.2 | 570.8 |
| 22.5° | 596.4 | 572.0 | 553.6 | 537.6 | 525.2 | 516.0 | 516.0 | 512.0 | 512.8 | 516.4 | 521.2 |
| 25° | 538.0 | 515.2 | 488.8 | 477.6 | 463.6 | 457.2 | 456.0 | 455.2 | 458.4 | 462.8 | 465.6 |
| 27.5° | 485.2 | 454.0 | 428.0 | 413.2 | 398.4 | 400.0 | 392.0 | 396.8 | 400.4 | 404.0 | 407.2 |
| 30° | 414.0 | 388.4 | 364.8 | 350.0 | 332.4 | 332.8 | 334.0 | 334.8 | 338.0 | 342.8 | 349.2 |
| 32.5° | 345.6 | 318.0 | 296.0 | 280.0 | 269.6 | 266.4 | 262.0 | 269.2 | 273.2 | 278.0 | 284.4 |
| 35° | 289.2 | 260.4 | 242.0 | 228.0 | 222.0 | 217.6 | 216.4 | 215.6 | 219.2 | 221.6 | 226.8 |
| 37.5° | 248.8 | 229.2 | 215.6 | 205.6 | 200.0 | 195.2 | 194.0 | 193.2 | 192.8 | 192.0 | 195.2 |
| 40° | 232.4 | 216.8 | 205.2 | 196.0 | 190.8 | 188.0 | 186.8 | 185.2 | 183.6 | 181.6 | 181.2 |
| 42.5° | 227.6 | 210.8 | 197.2 | 188.0 | 184.0 | 183.6 | 183.6 | 182.8 | 181.2 | 178.4 | 176.4 |
| 45° | 225.6 | 205.2 | 189.6 | 182.4 | 179.6 | 180.0 | 180.0 | 180.0 | 178.8 | 176.0 | 172.8 |
| 47.5° | 222.0 | 198.4 | 182.4 | 176.4 | 175.2 | 176.0 | 176.8 | 176.8 | 176.0 | 173.6 | 170.0 |
| 50° | 215.2 | 188.0 | 171.2 | 165.6 | 165.2 | 165.6 | 165.6 | 166.4 | 165.6 | 163.6 | 160.4 |
| 52.5° | 210.0 | 180.0 | 162.8 | 158.4 | 158.4 | 158.0 | 157.6 | 157.6 | 157.2 | 155.6 | 153.2 |
| 55° | 205.2 | 174.8 | 159.2 | 155.6 | 156.4 | 156.4 | 155.6 | 155.2 | 153.6 | 151.6 | 149.2 |
| 57.5° | 198.4 | 169.2 | 155.6 | 153.2 | 154.0 | 153.6 | 153.2 | 152.8 | 151.2 | 148.8 | 145.6 |
| 60° | 186.4 | 159.2 | 148.4 | 146.8 | 148.0 | 148.4 | 150.0 | 150.4 | 149.6 | 146.8 | 142.4 |
| 62.5° | 173.2 | 146.8 | 138.8 | 137.6 | 138.8 | 140.0 | 141.2 | 140.4 | 140.4 | 137.6 | 133.6 |
| 63° | 168.8 | 144.8 | 136.0 | 136.0 | 137.2 | 138.4 | 139.2 | 138.4 | 138.8 | 135.6 | 131.6 |
| 65° | 158.8 | 137.6 | 130.8 | 131.2 | 132.4 | 133.2 | 133.6 | 133.6 | 133.2 | 130.8 | 127.2 |
| 67.5° | 142.0 | 127.2 | 123.2 | 125.2 | 126.8 | 127.2 | 127.2 | 128.0 | 127.2 | 125.6 | 122.4 |
| 70° | 126.8 | 117.2 | 114.4 | 116.8 | 117.6 | 118.0 | 118.0 | 118.0 | 117.2 | 115.6 | 112.8 |
| 72.5° | 115.2 | 110.4 | 110.0 | 109.6 | 110.0 | 108.8 | 108.8 | 108.0 | 106.0 | 104.8 | 102.4 |
| 75° | 102.4 | 100.0 | 100.4 | 100.0 | 99.2 | 98.8 | 96.8 | 96.0 | 93.6 | 92.0 | 88.8 |
| 77.5° | 88.0 | 88.4 | 88.0 | 88.4 | 89.2 | 89.6 | 86.8 | 84.8 | 82.8 | 81.2 | 79.6 |
| 80° | 73.2 | 74.0 | 73.2 | 74.0 | 74.4 | 74.4 | 71.6 | 68.4 | 66.8 | 68.0 | 68.4 |
| 82.5° | 65.2 | 65.2 | 62.0 | 62.8 | 62.0 | 60.8 | 58.8 | 57.6 | 56.4 | 55.6 | 57.6 |
| 85° | 51.6 | 52.0 | 52.8 | 52.0 | 50.4 | 49.2 | 47.2 | 45.6 | 44.4 | 45.6 | 48.4 |
| 87.5° | 30.8 | 33.2 | 32.0 | 32.0 | 31.6 | 31.6 | 30.0 | 29.2 | 28.0 | 32.8 | 35.2 |
| 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: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 2.5° | 668.0 | 669.2 | 669.6 | 669.2 | 669.6 | 670.4 | 667.2 | 670.4 | 670.8 | 668.4 | 669.2 |
| 5° | 673.6 | 675.6 | 678.4 | 678.4 | 680.4 | 681.6 | 680.0 | 684.4 | 685.2 | 684.8 | 686.8 |
| 7.5° | 677.6 | 680.4 | 684.0 | 686.0 | 689.6 | 691.2 | 692.4 | 696.4 | 697.2 | 698.8 | 700.4 |
| 10° | 677.2 | 681.2 | 684.4 | 690.0 | 694.4 | 697.6 | 700.0 | 704.4 | 706.0 | 708.4 | 709.6 |
| 12.5° | 665.6 | 670.0 | 676.0 | 684.0 | 692.0 | 697.2 | 703.6 | 710.0 | 712.4 | 715.6 | 717.6 |
| 15° | 639.6 | 643.2 | 651.6 | 662.0 | 672.8 | 686.0 | 695.2 | 705.2 | 709.6 | 712.8 | 715.6 |
| 17.5° | 605.6 | 608.8 | 616.4 | 625.6 | 640.0 | 652.8 | 666.8 | 682.0 | 689.6 | 693.2 | 694.4 |
| 20° | 574.0 | 578.8 | 580.8 | 591.6 | 596.4 | 609.2 | 621.2 | 638.0 | 647.6 | 654.0 | 658.0 |
| 22.5° | 524.4 | 526.8 | 537.2 | 541.6 | 545.2 | 553.2 | 568.0 | 582.8 | 595.6 | 606.0 | 609.2 |
| 25° | 469.6 | 476.0 | 481.6 | 485.2 | 493.6 | 494.0 | 506.0 | 516.4 | 532.4 | 542.4 | 550.4 |
| 27.5° | 409.2 | 418.8 | 422.0 | 424.4 | 430.8 | 438.4 | 442.8 | 453.2 | 462.4 | 474.0 | 488.4 |
| 30° | 348.4 | 357.6 | 364.0 | 367.6 | 373.6 | 380.8 | 384.0 | 390.8 | 402.8 | 415.6 | 426.8 |
| 32.5° | 291.6 | 301.2 | 304.4 | 316.0 | 317.6 | 324.4 | 326.8 | 337.6 | 344.4 | 355.2 | 368.4 |
| 35° | 236.0 | 246.0 | 255.6 | 262.0 | 269.2 | 268.8 | 275.2 | 285.2 | 291.2 | 302.4 | 311.2 |
| 37.5° | 198.0 | 204.0 | 210.8 | 218.0 | 226.0 | 232.0 | 238.0 | 242.4 | 247.2 | 254.8 | 262.8 |
| 40° | 181.2 | 182.8 | 185.6 | 190.0 | 195.6 | 200.0 | 204.4 | 208.0 | 211.6 | 217.6 | 222.8 |
| 42.5° | 174.4 | 173.2 | 173.2 | 172.4 | 174.4 | 176.8 | 180.4 | 181.6 | 187.2 | 190.8 | 192.8 |
| 45° | 169.6 | 166.8 | 164.8 | 162.4 | 161.6 | 162.4 | 164.4 | 167.2 | 170.8 | 172.0 | 172.0 |
| 47.5° | 166.8 | 162.4 | 159.2 | 155.6 | 153.6 | 153.6 | 154.8 | 156.8 | 158.8 | 159.2 | 158.8 |
| 50° | 157.2 | 152.8 | 148.8 | 145.6 | 144.0 | 144.0 | 144.4 | 147.2 | 147.6 | 146.8 | 147.2 |
| 52.5° | 150.0 | 145.6 | 141.6 | 138.8 | 136.8 | 137.2 | 138.4 | 139.6 | 140.8 | 140.0 | 139.2 |
| 55° | 145.6 | 140.4 | 136.8 | 133.6 | 131.2 | 132.0 | 133.2 | 134.8 | 136.8 | 135.6 | 134.4 |
| 57.5° | 141.6 | 137.2 | 132.8 | 129.6 | 126.8 | 127.6 | 128.8 | 131.2 | 133.6 | 131.2 | 129.6 |
| 60° | 138.0 | 133.6 | 129.2 | 126.0 | 122.8 | 123.6 | 125.2 | 127.6 | 129.6 | 126.4 | 124.4 |
| 62.5° | 129.2 | 125.2 | 122.0 | 120.4 | 118.4 | 119.6 | 120.8 | 123.6 | 122.8 | 119.6 | 117.2 |
| 63° | 127.6 | 123.6 | 120.8 | 119.2 | 117.6 | 119.2 | 119.6 | 122.4 | 121.2 | 118.0 | 116.0 |
| 65° | 122.8 | 119.6 | 116.8 | 115.2 | 113.6 | 114.4 | 114.4 | 115.6 | 114.0 | 111.6 | 110.0 |
| 67.5° | 118.4 | 114.8 | 112.0 | 108.8 | 107.2 | 106.4 | 106.0 | 105.6 | 104.4 | 103.2 | 102.8 |
| 70° | 108.8 | 106.4 | 104.0 | 101.2 | 98.8 | 97.2 | 96.4 | 95.6 | 94.8 | 94.4 | 94.0 |
| 72.5° | 98.4 | 96.4 | 94.0 | 92.4 | 90.4 | 89.2 | 87.2 | 86.8 | 86.0 | 85.2 | 84.8 |
| 75° | 87.2 | 84.8 | 84.0 | 82.4 | 81.2 | 80.4 | 78.8 | 78.4 | 77.6 | 76.4 | 76.0 |
| 77.5° | 77.2 | 76.4 | 75.2 | 74.8 | 72.8 | 71.6 | 70.8 | 70.4 | 69.6 | 68.8 | 68.0 |
| 80° | 68.8 | 68.4 | 67.6 | 67.2 | 66.0 | 64.4 | 63.6 | 64.0 | 62.8 | 62.4 | 61.2 |
| 82.5° | 62.0 | 62.4 | 62.4 | 61.2 | 60.0 | 58.0 | 57.2 | 58.4 | 57.6 | 56.0 | 54.4 |
| 85° | 52.8 | 52.4 | 52.8 | 52.4 | 50.0 | 48.0 | 47.2 | 48.0 | 47.6 | 45.2 | 44.8 |
| 87.5° | 37.6 | 37.2 | 36.4 | 38.8 | 35.6 | 28.8 | 29.6 | 33.6 | 32.4 | 31.2 | 30.4 |
| 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: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 2.5° | 670.8 | 669.6 | 670.4 | 670.8 | 669.6 | 672.4 | 669.6 | 670.0 | 670.8 | 668.4 | 668.0 |
| 5° | 688.4 | 688.4 | 691.6 | 692.0 | 691.6 | 695.2 | 694.8 | 695.2 | 694.4 | 694.0 | 692.4 |
| 7.5° | 702.8 | 704.4 | 706.8 | 710.4 | 711.6 | 714.4 | 715.2 | 715.6 | 717.2 | 718.8 | 718.0 |
| 10° | 713.2 | 717.6 | 719.6 | 723.2 | 726.8 | 728.8 | 730.8 | 734.0 | 735.2 | 736.4 | 734.8 |
| 12.5° | 720.4 | 725.6 | 728.8 | 733.2 | 737.6 | 740.8 | 744.4 | 748.4 | 752.4 | 753.6 | 751.6 |
| 15° | 716.8 | 722.8 | 727.6 | 732.4 | 739.2 | 745.2 | 752.0 | 759.2 | 764.4 | 766.4 | 764.0 |
| 17.5° | 694.4 | 700.4 | 707.6 | 714.8 | 722.0 | 733.2 | 742.8 | 754.8 | 763.2 | 769.2 | 770.0 |
| 20° | 663.6 | 667.2 | 677.6 | 684.8 | 696.4 | 709.6 | 724.0 | 738.0 | 747.6 | 758.4 | 764.8 |
| 22.5° | 618.0 | 625.2 | 636.8 | 649.2 | 660.8 | 678.0 | 693.2 | 711.6 | 728.0 | 742.8 | 756.8 |
| 25° | 562.4 | 572.4 | 586.0 | 603.2 | 618.4 | 636.8 | 658.8 | 679.2 | 706.8 | 730.0 | 760.0 |
| 27.5° | 502.4 | 520.8 | 539.6 | 557.6 | 574.4 | 595.2 | 618.0 | 640.8 | 672.4 | 709.6 | 748.8 |
| 30° | 445.6 | 460.8 | 484.4 | 505.2 | 524.8 | 550.4 | 574.0 | 599.2 | 629.2 | 673.2 | 717.6 |
| 32.5° | 386.4 | 398.8 | 417.2 | 442.8 | 465.6 | 495.6 | 516.4 | 546.4 | 581.2 | 627.6 | 678.0 |
| 35° | 325.2 | 342.4 | 357.2 | 374.8 | 392.0 | 422.0 | 453.2 | 486.4 | 526.4 | 576.0 | 631.2 |
| 37.5° | 271.2 | 282.0 | 289.2 | 307.2 | 322.4 | 348.0 | 384.4 | 424.4 | 468.4 | 518.8 | 578.0 |
| 40° | 226.4 | 233.2 | 241.2 | 253.2 | 266.0 | 289.2 | 322.8 | 367.6 | 413.6 | 464.0 | 523.2 |
| 42.5° | 195.6 | 200.0 | 200.8 | 210.0 | 222.0 | 244.8 | 271.6 | 312.8 | 363.6 | 416.4 | 475.6 |
| 45° | 174.4 | 174.4 | 174.0 | 178.0 | 187.6 | 207.2 | 231.6 | 268.4 | 316.8 | 372.0 | 433.6 |
| 47.5° | 159.6 | 160.8 | 160.4 | 162.0 | 168.4 | 182.8 | 204.8 | 236.0 | 280.0 | 334.0 | 396.0 |
| 50° | 148.4 | 150.0 | 150.4 | 150.8 | 153.2 | 165.2 | 184.0 | 209.2 | 248.4 | 300.0 | 362.4 |
| 52.5° | 139.6 | 140.0 | 140.0 | 139.6 | 140.4 | 147.2 | 162.8 | 186.0 | 222.4 | 268.8 | 328.8 |
| 55° | 134.8 | 135.2 | 135.2 | 135.2 | 135.2 | 139.6 | 150.8 | 169.6 | 198.8 | 242.4 | 296.8 |
| 57.5° | 129.2 | 129.2 | 130.0 | 130.0 | 130.0 | 131.6 | 139.6 | 155.2 | 177.6 | 212.4 | 260.8 |
| 60° | 124.4 | 125.6 | 127.2 | 127.6 | 127.2 | 127.2 | 131.2 | 141.6 | 156.4 | 181.6 | 222.4 |
| 62.5° | 117.2 | 118.8 | 120.8 | 121.6 | 122.0 | 121.2 | 123.2 | 127.6 | 136.4 | 149.6 | 177.2 |
| 63° | 116.0 | 117.6 | 119.2 | 120.0 | 120.4 | 119.6 | 121.2 | 124.8 | 132.0 | 142.8 | 167.6 |
| 65° | 110.8 | 112.8 | 113.2 | 113.6 | 113.2 | 112.8 | 112.4 | 112.4 | 114.4 | 118.4 | 131.6 |
| 67.5° | 103.6 | 104.8 | 104.8 | 105.6 | 103.6 | 102.8 | 102.0 | 101.2 | 100.0 | 100.4 | 105.2 |
| 70° | 95.2 | 96.0 | 95.6 | 95.2 | 94.4 | 93.2 | 92.4 | 91.2 | 88.8 | 88.0 | 90.4 |
| 72.5° | 85.6 | 86.4 | 86.4 | 86.4 | 84.8 | 84.0 | 83.2 | 82.4 | 81.6 | 82.4 | 83.2 |
| 75° | 76.8 | 76.8 | 77.6 | 77.2 | 76.0 | 75.2 | 74.8 | 74.4 | 74.4 | 74.4 | 74.0 |
| 77.5° | 68.4 | 68.0 | 68.0 | 66.8 | 66.0 | 65.6 | 66.4 | 66.8 | 66.4 | 65.6 | 65.2 |
| 80° | 61.2 | 59.2 | 57.2 | 55.6 | 55.2 | 56.0 | 56.8 | 59.2 | 58.0 | 58.0 | 57.2 |
| 82.5° | 52.0 | 47.6 | 44.8 | 45.2 | 44.0 | 44.4 | 45.2 | 48.0 | 47.2 | 47.6 | 49.2 |
| 85° | 41.6 | 37.6 | 33.2 | 34.0 | 34.0 | 33.2 | 35.2 | 36.0 | 36.8 | 38.8 | 37.2 |
| 87.5° | 29.2 | 25.6 | 21.2 | 18.4 | 19.2 | 20.0 | 20.8 | 20.0 | 17.6 | 18.4 | 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 |



REPORT NUMBER: P146090

CATALOG NUMBER: LDRC-SLR-E02-E

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 2.5° | 667.2 | 667.6 | 667.6 | 664.8 | 664.0 | 664.8 | 664.4 | 664.4 | 662.0 | 662.4 | 661.6 |
| 5° | 691.6 | 692.4 | 690.0 | 688.0 | 685.2 | 684.8 | 684.4 | 682.8 | 681.2 | 678.0 | 676.4 |
| 7.5° | 717.6 | 714.0 | 713.2 | 709.6 | 708.4 | 705.2 | 702.8 | 700.4 | 698.4 | 696.8 | 695.6 |
| 10° | 734.0 | 731.2 | 730.4 | 724.0 | 722.0 | 718.0 | 715.6 | 712.8 | 710.4 | 708.0 | 707.6 |
| 12.5° | 748.8 | 744.0 | 741.2 | 732.4 | 728.4 | 724.0 | 722.0 | 719.6 | 718.8 | 718.4 | 720.0 |
| 15° | 760.4 | 753.6 | 748.4 | 740.4 | 737.2 | 734.8 | 735.2 | 734.0 | 738.8 | 741.6 | 746.8 |
| 17.5° | 768.0 | 765.2 | 764.0 | 758.0 | 760.0 | 760.0 | 765.6 | 768.4 | 777.2 | 784.4 | 791.6 |
| 20° | 772.0 | 777.2 | 787.2 | 789.2 | 794.0 | 799.2 | 807.6 | 812.4 | 821.6 | 832.0 | 842.0 |
| 22.5° | 775.6 | 797.6 | 818.0 | 833.2 | 844.0 | 856.0 | 862.0 | 872.0 | 878.4 | 886.0 | 901.2 |
| 25° | 795.6 | 832.4 | 868.4 | 888.0 | 913.6 | 930.8 | 944.4 | 954.4 | 965.6 | 972.0 | 989.2 |
| 27.5° | 790.0 | 836.8 | 884.8 | 920.8 | 960.8 | 993.2 | 1022.0 | 1041.2 | 1055.6 | 1078.8 | 1093.2 |
| 30° | 764.4 | 818.8 | 876.8 | 928.0 | 984.0 | 1036.8 | 1086.8 | 1131.6 | 1170.0 | 1201.2 | 1222.4 |
| 32.5° | 728.0 | 790.4 | 858.4 | 921.6 | 993.2 | 1063.6 | 1135.6 | 1204.0 | 1269.2 | 1320.8 | 1353.2 |
| 35° | 687.2 | 754.4 | 829.6 | 904.4 | 990.4 | 1082.4 | 1179.6 | 1271.6 | 1366.0 | 1448.4 | 1513.2 |
| 37.5° | 637.6 | 710.4 | 792.8 | 879.6 | 978.4 | 1088.8 | 1211.2 | 1336.4 | 1456.8 | 1581.6 | 1672.8 |
| 40° | 585.6 | 656.8 | 742.4 | 841.6 | 955.6 | 1085.6 | 1235.6 | 1398.0 | 1572.4 | 1733.2 | 1872.0 |
| 42.5° | 541.2 | 610.8 | 700.4 | 798.4 | 921.2 | 1073.6 | 1252.0 | 1453.2 | 1668.0 | 1876.4 | 2060.8 |
| 45° | 497.6 | 572.0 | 662.4 | 766.0 | 900.0 | 1068.8 | 1273.2 | 1501.2 | 1746.4 | 1993.6 | 2228.8 |
| 47.5° | 463.2 | 536.8 | 628.0 | 739.2 | 882.8 | 1066.0 | 1293.2 | 1546.0 | 1810.4 | 2080.8 | 2359.6 |
| 50° | 430.4 | 500.8 | 589.6 | 706.8 | 864.8 | 1061.6 | 1305.2 | 1581.6 | 1860.4 | 2149.2 | 2452.4 |
| 52.5° | 396.8 | 470.0 | 556.4 | 670.0 | 841.2 | 1052.8 | 1308.8 | 1609.6 | 1912.0 | 2214.8 | 2539.2 |
| 55° | 362.8 | 436.0 | 522.4 | 640.0 | 809.2 | 1035.6 | 1306.0 | 1630.0 | 1966.0 | 2284.0 | 2618.4 |
| 57.5° | 321.2 | 393.2 | 483.6 | 602.0 | 768.0 | 1001.2 | 1292.4 | 1638.8 | 1999.6 | 2348.8 | 2698.0 |
| 60° | 274.4 | 342.4 | 428.0 | 548.8 | 717.6 | 951.6 | 1262.0 | 1626.4 | 2014.8 | 2391.6 | 2782.4 |
| 62.5° | 215.6 | 274.8 | 353.6 | 473.6 | 644.4 | 880.0 | 1195.6 | 1571.6 | 1978.0 | 2380.8 | 2818.8 |
| 63° | 202.4 | 259.6 | 340.8 | 453.6 | 622.8 | 855.2 | 1176.0 | 1552.8 | 1961.6 | 2370.8 | 2814.4 |
| 65° | 154.4 | 196.8 | 264.0 | 364.8 | 526.4 | 740.8 | 1072.8 | 1446.4 | 1858.4 | 2271.2 | 2745.2 |
| 67.5° | 114.0 | 136.0 | 177.2 | 244.8 | 370.4 | 576.4 | 879.2 | 1249.2 | 1639.2 | 2027.2 | 2509.6 |
| 70° | 94.4 | 102.8 | 122.0 | 156.8 | 229.2 | 382.4 | 621.2 | 950.8 | 1317.6 | 1651.6 | 2087.2 |
| 72.5° | 84.4 | 90.4 | 99.2 | 114.8 | 144.8 | 224.4 | 404.0 | 617.2 | 917.6 | 1206.4 | 1574.4 |
| 75° | 75.6 | 79.6 | 86.8 | 96.0 | 109.6 | 140.4 | 213.6 | 366.0 | 560.8 | 812.8 | 1080.0 |
| 77.5° | 66.4 | 70.4 | 77.6 | 84.8 | 93.6 | 106.8 | 132.4 | 208.4 | 335.6 | 474.4 | 662.8 |
| 80° | 57.6 | 59.6 | 65.6 | 76.0 | 82.4 | 93.2 | 101.6 | 130.4 | 182.8 | 248.4 | 353.2 |
| 82.5° | 47.6 | 48.0 | 52.0 | 60.0 | 68.0 | 72.0 | 74.4 | 82.0 | 105.2 | 131.2 | 173.2 |
| 85° | 34.0 | 32.4 | 34.8 | 38.0 | 44.4 | 40.8 | 43.6 | 46.0 | 56.0 | 67.6 | 124.0 |
| 87.5° | 15.2 | 12.0 | 14.0 | 15.6 | 14.0 | 9.6 | 14.0 | 11.6 | 14.4 | 28.4 | 32.0 |
| 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: P146090
 CATALOG NUMBER: LDRC-SLR-E02-E

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 0° |
| 2.5° | 662.4 | 660.0 | 660.0 | 659.6 | 660.0 | 659.2 | 657.6 | 657.6 | 658.8 | 658.4 | 658.4 | 2.5° |
| 5° | 676.4 | 673.2 | 672.4 | 672.0 | 672.0 | 670.0 | 667.6 | 666.4 | 666.0 | 664.4 | 663.2 | 5° |
| 7.5° | 694.8 | 692.8 | 694.0 | 691.6 | 690.8 | 690.4 | 687.2 | 684.8 | 681.2 | 679.6 | 673.6 | 7.5° |
| 10° | 710.0 | 708.8 | 712.0 | 711.6 | 712.0 | 712.0 | 707.6 | 705.2 | 700.0 | 697.2 | 689.6 | 10° |
| 12.5° | 723.2 | 724.0 | 730.0 | 730.0 | 731.2 | 732.8 | 730.4 | 725.2 | 723.2 | 720.4 | 712.4 | 12.5° |
| 15° | 756.8 | 760.0 | 764.4 | 771.6 | 773.6 | 774.0 | 776.0 | 771.6 | 766.4 | 759.2 | 749.6 | 15° |
| 17.5° | 802.4 | 808.8 | 823.6 | 834.0 | 836.0 | 838.0 | 836.8 | 836.0 | 826.4 | 820.4 | 810.4 | 17.5° |
| 20° | 859.6 | 875.2 | 896.0 | 910.4 | 916.8 | 917.6 | 925.6 | 920.0 | 911.2 | 899.2 | 884.8 | 20° |
| 22.5° | 923.6 | 949.6 | 976.0 | 997.2 | 1009.6 | 1015.2 | 1023.6 | 1015.6 | 1004.0 | 996.8 | 977.6 | 22.5° |
| 25° | 1011.2 | 1039.6 | 1070.0 | 1086.8 | 1118.4 | 1127.6 | 1132.4 | 1130.0 | 1118.0 | 1123.2 | 1105.6 | 25° |
| 27.5° | 1131.2 | 1155.6 | 1198.4 | 1219.6 | 1249.2 | 1266.4 | 1262.8 | 1282.8 | 1286.4 | 1298.8 | 1300.8 | 27.5° |
| 30° | 1262.0 | 1302.4 | 1360.0 | 1402.8 | 1448.0 | 1477.2 | 1500.4 | 1518.0 | 1538.4 | 1572.8 | 1593.6 | 30° |
| 32.5° | 1403.2 | 1461.6 | 1535.2 | 1626.0 | 1722.0 | 1800.4 | 1888.8 | 1904.0 | 1949.6 | 1936.4 | 1927.6 | 32.5° |
| 35° | 1560.4 | 1634.0 | 1728.4 | 1847.6 | 1987.2 | 2116.8 | 2202.0 | 2244.8 | 2262.8 | 2272.8 | 2212.0 | 35° |
| 37.5° | 1770.8 | 1870.4 | 1975.6 | 2105.6 | 2212.4 | 2333.6 | 2431.6 | 2538.0 | 2586.8 | 2563.6 | 2447.2 | 37.5° |
| 40° | 2004.0 | 2097.2 | 2239.6 | 2346.0 | 2472.0 | 2671.6 | 2804.4 | 2932.4 | 2972.4 | 2895.2 | 2712.8 | 40° |
| 42.5° | 2238.0 | 2366.0 | 2520.4 | 2671.6 | 2816.4 | 2997.2 | 3173.2 | 3299.6 | 3343.6 | 3211.6 | 2995.2 | 42.5° |
| 45° | 2446.4 | 2610.4 | 2792.0 | 2947.2 | 3149.6 | 3386.0 | 3601.6 | 3703.2 | 3695.2 | 3483.2 | 3239.6 | 45° |
| 47.5° | 2628.0 | 2840.8 | 3045.6 | 3254.8 | 3458.8 | 3725.6 | 3939.2 | 4056.0 | 3973.2 | 3750.4 | 3474.4 | 47.5° |
| 50° | 2778.0 | 3035.2 | 3282.4 | 3522.8 | 3773.2 | 4056.8 | 4262.8 | 4370.8 | 4244.8 | 3962.8 | 3654.4 | 50° |
| 52.5° | 2892.0 | 3210.8 | 3495.6 | 3764.4 | 4063.6 | 4370.0 | 4553.2 | 4618.4 | 4422.0 | 4127.2 | 3789.2 | 52.5° |
| 55° | 2999.6 | 3360.0 | 3675.2 | 3980.4 | 4352.8 | 4627.6 | 4799.2 | 4787.2 | 4533.6 | 4198.8 | 3873.6 | 55° |
| 57.5° | 3080.8 | 3487.2 | 3822.8 | 4170.4 | 4571.6 | 4865.2 | 4964.4 | 4885.2 | 4580.0 | 4220.0 | 3898.0 | 57.5° |
| 60° | 3183.2 | 3586.4 | 3954.0 | 4342.0 | 4779.6 | 5028.0 | 5041.2 | 4899.2 | 4566.8 | 4180.0 | 3863.6 | 60° |
| 62.5° | 3248.8 | 3648.4 | 4037.6 | 4459.6 | 4938.0 | 5119.6 | 5025.2 | 4838.8 | 4490.8 | 4081.2 | 3784.8 | 62.5° |
| 63° | 3255.2 | 3654.4 | 4044.4 | 4471.2 | 4960.4 | 5123.6 | 5010.4 | 4811.6 | 4468.4 | 4054.0 | 3764.0 | 63° |
| 65° | 3226.4 | 3637.2 | 4013.2 | 4450.4 | 4966.0 | 5076.4 | 4902.0 | 4700.0 | 4344.8 | 3915.2 | 3641.6 | 65° |
| 67.5° | 3025.2 | 3452.4 | 3811.2 | 4221.2 | 4750.0 | 4811.2 | 4636.4 | 4416.8 | 4083.2 | 3616.0 | 3374.0 | 67.5° |
| 70° | 2664.8 | 3070.8 | 3325.2 | 3706.0 | 4171.2 | 4244.4 | 4088.0 | 3918.0 | 3621.6 | 3231.2 | 3030.4 | 70° |
| 72.5° | 2146.8 | 2545.6 | 2698.4 | 2990.0 | 3359.6 | 3343.6 | 3233.6 | 3212.4 | 3056.4 | 2728.8 | 2608.0 | 72.5° |
| 75° | 1604.8 | 1984.4 | 2048.8 | 2167.6 | 2374.0 | 2368.8 | 2394.4 | 2485.6 | 2563.6 | 2370.0 | 2215.2 | 75° |
| 77.5° | 1058.4 | 1436.0 | 1476.0 | 1614.4 | 1671.6 | 1828.4 | 2012.4 | 2241.6 | 2355.2 | 2276.0 | 2086.0 | 77.5° |
| 80° | 585.6 | 982.4 | 974.4 | 1028.4 | 1129.6 | 1357.6 | 1636.4 | 1976.8 | 2204.0 | 2147.2 | 1939.2 | 80° |
| 82.5° | 304.4 | 620.8 | 611.6 | 621.2 | 715.2 | 906.8 | 1118.8 | 1397.2 | 1632.0 | 1637.2 | 1567.2 | 82.5° |
| 85° | 226.4 | 445.6 | 472.0 | 493.6 | 556.0 | 622.8 | 661.6 | 750.8 | 879.6 | 999.6 | 1042.4 | 85° |
| 87.5° | 83.2 | 267.6 | 333.2 | 358.0 | 359.6 | 351.2 | 286.0 | 314.8 | 286.4 | 338.8 | 473.2 | 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: P146090

NUMBER: LDRC-SLR-E02-E

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 | 661.6 |
| 659.2 | 659.2 | 658.8 | 659.6 | 660.0 | 661.2 | 660.8 |
| 662.0 | 660.8 | 659.6 | 658.8 | 658.0 | 658.4 | 657.6 |
| 669.2 | 665.2 | 662.0 | 659.2 | 656.8 | 656.4 | 654.0 |
| 685.2 | 678.0 | 672.0 | 667.6 | 662.8 | 660.4 | 656.0 |
| 705.6 | 697.6 | 690.0 | 683.6 | 678.0 | 674.8 | 671.6 |
| 741.2 | 729.6 | 720.4 | 713.6 | 708.0 | 704.4 | 701.2 |
| 794.0 | 779.6 | 765.6 | 752.4 | 750.8 | 742.4 | 742.4 |
| 866.8 | 847.2 | 829.2 | 818.0 | 812.8 | 801.6 | 801.6 |
| 967.6 | 948.4 | 921.6 | 908.0 | 909.2 | 899.6 | 904.0 |
| 1098.0 | 1082.0 | 1054.4 | 1048.8 | 1048.8 | 1038.4 | 1022.8 |
| 1293.6 | 1288.0 | 1257.6 | 1265.2 | 1249.2 | 1210.4 | 1168.4 |
| 1584.0 | 1584.0 | 1525.2 | 1482.8 | 1446.0 | 1385.6 | 1311.6 |
| 1874.8 | 1836.8 | 1746.8 | 1674.8 | 1598.4 | 1506.0 | 1410.8 |
| 2120.4 | 2019.2 | 1928.0 | 1840.0 | 1725.2 | 1626.0 | 1492.4 |
| 2327.6 | 2231.6 | 2127.2 | 1993.2 | 1858.4 | 1720.0 | 1548.4 |
| 2584.4 | 2467.6 | 2310.8 | 2142.4 | 1976.8 | 1786.4 | 1587.6 |
| 2819.2 | 2672.8 | 2474.8 | 2261.6 | 2050.8 | 1838.4 | 1606.4 |
| 3040.0 | 2851.2 | 2606.8 | 2350.8 | 2110.8 | 1870.4 | 1614.4 |
| 3248.0 | 2994.8 | 2710.4 | 2414.4 | 2152.0 | 1887.6 | 1612.4 |
| 3385.2 | 3100.0 | 2775.6 | 2452.8 | 2176.8 | 1893.6 | 1606.8 |
| 3471.2 | 3164.4 | 2814.0 | 2474.0 | 2189.2 | 1894.8 | 1606.4 |
| 3519.6 | 3200.8 | 2834.8 | 2488.8 | 2202.8 | 1902.0 | 1616.0 |
| 3557.2 | 3229.6 | 2858.0 | 2514.0 | 2235.2 | 1935.6 | 1654.8 |
| 3592.8 | 3305.2 | 2918.4 | 2560.4 | 2291.6 | 1998.4 | 1740.0 |
| 3607.6 | 3448.8 | 3041.2 | 2646.0 | 2370.4 | 2099.2 | 1872.8 |
| 3606.4 | 3476.0 | 3076.8 | 2669.6 | 2391.2 | 2126.0 | 1906.8 |
| 3562.8 | 3562.4 | 3238.8 | 2782.4 | 2488.0 | 2250.0 | 2048.8 |
| 3433.6 | 3605.6 | 3418.0 | 2931.2 | 2638.4 | 2454.4 | 2262.4 |
| 3229.2 | 3553.2 | 3442.4 | 2970.4 | 2745.2 | 2642.0 | 2404.8 |
| 2877.2 | 3302.8 | 3214.0 | 2803.2 | 2708.8 | 2678.8 | 2408.4 |
| 2327.2 | 2655.2 | 2617.2 | 2394.8 | 2429.6 | 2491.2 | 2151.2 |
| 1874.8 | 1864.4 | 1858.8 | 1778.0 | 1926.0 | 2051.2 | 1599.2 |
| 1566.0 | 1290.0 | 1198.0 | 1166.8 | 1410.8 | 1506.8 | 992.4 |
| 1464.0 | 1158.8 | 929.6 | 890.4 | 1057.2 | 1108.4 | 598.4 |
| 1118.8 | 1125.2 | 974.0 | 834.8 | 822.4 | 752.8 | 438.4 |
| 547.6 | 556.8 | 588.4 | 537.2 | 460.8 | 388.4 | 138.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)